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Application Catalog



Power Take-Offs

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6S-400	471
6S700/6.02-0.79	466
6S800 TO/6.58-0.78(VOLVO ZTO 1006)	462
6S850/6.72-0.79	494
6S850/8.51-1.0	454
6S1000 TO/6.75 - 0.78	462
6S1200 TD/7.72 - 1.00	462
6S1200 TO/6.75 - 0.83	469
8S151/13.79	489
8S220 TO/11.54-0.84	492
8S1620 TD/13.80-1.0	488
8S1820 TO/11.54-0.84	492
9S75/9.56	486
9S75/13.16	468
9S109/10.24	479
9S109/10.25	479
9S109/12.91	472
9S109/12.92	473
9S1110 TD/12.73	472
9S1110 TO/9.48-0.75 (VOLVO ZTO 1109)	490
9S1310 TO/9.48	490
12AS1010TO	491
12AS1210TO	491
12AS1420TD	480
12AS1420TO	491
12AS1620TO	491
12AS1630 TD/15.86-1.0	483
12AS1631 TD/15.86-1.0 IT	483
12AS1800/14.89-1.0 IT	476
12AS1930 TD/15.86-1.0	483
12AS1930 TO/12.33-0.78	493
12AS1931 TD/15.86-1.0 IT	483
12AS1931 TO/12.33-0.78 IT	493
12AS2130 TD/15.86-1.0	483
12AS2130 TO/12.33-0.78	493
12AS2131 TD/15.86-1.0 IT	483
12AS2131 TO/12.33-0.78 IT	493
12AS2140 TD/15.86-1.0	483
12AS2141 TD/15.86-1.0 IT	483
12AS2301 TD/15.86-1.0 IT	483
12AS2301 TO/12.33-0.78 IT	493
12AS2330 TO/12.33-0.78	493
12AS2331 TO/12.33-0.78 IT	493
12AS2340 TD/15.86-1.0	483
12AS2341 TD/15.86-1.0 IT	483

12AS2430 TD/15.86-1.0	483	16S160A/17.47 (TRILOBE)	473	S5-42/5.72	494
12AS2431 TD/15.86-1.0 IT	483	16S181/13.80IT	478	S5-42/6.56	491
12AS2530 TO/12.33-0.78	493	16S181/13.85-0.84	477	S5-42/7.55	492
12AS2531 TO/12.33-0.78 IT	493	16S181/13.85IT	478	S5-50/5.30	470
12AS2531 TO/15.86-1.0	482	16S181/16.41IT	478	S5-50/5.50	468
12AS2540 TD/15.86-1.0	483	16S181/16.47IT	478	S5-50/6.20	463
12AS2540 TO/12.29-0.78	493	16S181/16.53-1.0	477	S5-50/6.61	459
12AS2541 TO/12.29-0.78 IT	493	16S181/16.53IT	478	S5-50/6.61+GV80/5.30	460
12AS2740 TO/12.29-0.78	493	16S190/11.46 (TRILOBE)	484	S5-50/8.02	454
12AS2741 TO/12.29-0.78 IT	493	16S190/13.68 (TRILOBE)	485	S5-50/8.02+GV80/6.20	454
12AS2940 TO/12.29-0.78	493	16S190A/11.74 (TRILOBE)	485	S5-90GPA	487
12AS2941 TO/12.29-0.78 IT	493	16S190A/17.47 (TRILOBE)	473	S6-36/6.06	466
12S2100 TD/15.57-1.0	482	16S220/13.80IT (TRILOBE)	477	S6-36/6.93-0.8	493
12S2101 TD/15.57-1.0 IT3	482	16S220/13.80 (TRILOBE)	485	S6-36/7.43-0.85+GV36	458
12S2300 TD/15.57-1.0	482	16S220/16.47 (TRILOBE)	485	S6-36/7.43-1.0	459
12S2301 TD/15.57-1.0 IT3	482	16S220A/14.14 (TRILOBE)	479	S6-36/8.97-0.83+GV36	453
12S2800 TD/15.57-1.0	482	16S221/13.80IT	478	S6-36/8.97-1.0	453
12S2801 TD/15.57-1.0 IT3	482	16S221/13.80IT (TRILOBE)	477	S6-65/6.37	470
12TX-1410TD/16.69-1.0,	495	16S221/13.85-0.84	477	S6-65/6.70, S6-80/6.7	469
12TX-1610TD/16.69-1.0,	495	16S221/13.85-0.84 (TRILOBE)	477	S6-65/7.0+GV70/7.67	452
12TX-1610TO/12.92-0.77,	496	16S221/13.85IT	478	S6-65/7.40	465
12TX-1810TD/16.69-1.0,	495	16S221/16.41IT	478	S6-65/7.52	464
12TX-1810TO/12.92-0.77,	496	16S221/16.47IT	478	S6-65/7.97+GV80/6.70	462
12TX-2010TD/16.69-1.0,	495	16S221/16.53-1.0	477	S6-65/9.00	456
12TX-2010TO/12.92-0.77,	496	16S221/16.53-1.0 (TRILOBE)	477	S6-65/9.00+GV80/6.70	457
12TX-2210TD/16.69-1.0,	495	16S221/16.53IT	478	S6-65/9.00+GV80/7.52	456
12TX-2210TO/12.92-0.77,	496	16S251IT	478	S6-66/7.36-1.0	461
12TX-2410TO/12.92-0.77,	496	16S1620 TD/16.41-1.0	476	S6-66/9.06-1.0	453
12TX-2420TD/16.69-1.0,	495	16S1621 TD/16.41-1.0 IT	476	S6-70/6.8	460
12TX-2610TO/12.92-0.77,	496	16S1820 TO/13.80-0.84	488	S6-70/6.8+GV70/5.71	460
12TX-2620TD/16.69-1.0,	495	16S1821 TO/13.80-0.84 IT	489	S6-70/7.36	459
12TX-2820TD/16.69-1.0,	495	16S1920 TD/16.41-1.0	476	S6-70/7.92	455
12TX-2820TO/12.92-0.77,	496	16S1921 TD/16.41-1.0 IT	476	S6-70/9.03	452
12TX-3020TO/12.92-0.77,	496	16S2220 TD/16.41-1.0	476	S6-70/9.59	452
12TX-3220TO/12.92-0.77,	496	16S2220 TO/13.80-0.84	488	S6-75/6.70+GV80/7.52	464
12TX-3420TO/12.92-0.77,	496	16S2221 TD/16.41-1.0 IT	476	S6-80/5.03	480
16AS2200/15.89-1.0 IT	472	16S2221 TO/13.80-0.84 IT	489	S6-80/5.66	473
16AS2230 TD/17.03-1.0	476	16S2320 TD/16.41-1.0	476	S6-80/5.66+GV80/7.52	465
16AS2231 TD/17.03-1.0 IT	476	16S2321 TD/16.41-1.0 IT	476	S6-80/6.7+GV80/5.30	469
16AS2601 TD/17.03-1.0 IT	476	16S2330 TD/16.41-1.0	476	S6-80/6.10	472
16AS2601 TO/14.12-0.83	492	16S2331 TD/16.41-1.0 IT	476	S6-80/6.90	461
16AS2630 TO/14.12-0.83	492	16S2520 TO/13.80-0.84	488	S6-80/7.35	464
16AS2631 TO/14.12-0.83 IT	492	16S2521 TO/13.80-0.84 IT	489	S6-80/7.41	465
16S109/11.86	475	16S2720 TO/13.80-0.84	488	S6-80/7.53	464
16S109/13.30	481	16S2720 TO/13.80-0.84 IT + WSK	489	S6-80/7.67	462
16S109/13.31	474	16S2721 TO/13.80-0.84 IT	489	S6-80/7.67+GV80/6.7	463
16S109/13.42	481	16S2730 TO/13.80-0.84	488	S6-80/7.90	493
16S109/13.53	480	16S2731 TO/13.80-0.84 IT	489	S6-80/9.00	455
16S112/11.46 (TRILOBE)	484	16TX-1640TD/17.94-1.0,	495	S6-80/9.00+GV80/5.30	457
16S112/13.68 (TRILOBE)	484	16TX-1840TD/17.94-1.0,	495	S6-80/9.00+GV80/7.48	457
16S130/11.46 (TRILOBE)	483	16TX-1840TO/14.68-0.82,	495	S6-80/9.00+GV80/7.52	456
16S130/11.74 (TRILOBE)	483	16TX-2040TD/17.94-1.0,	495	S6-90/5.67	475
16S130/13.68 (TRILOBE)	483	16TX-2040TO/14.68-0.82,	495	S6-90/5.74	473
16S130/13.80 (TRILOBE)	478	16TX-2240TD/17.94-1.0,	495	S6-90/6.37	473
16S130/14.14 (TRILOBE)	478	16TX-2240TO/14.68-0.82,	495	S6-90/6.98	468
16S130/14.29 (TRILOBE)	474	16TX-2440TD/17.94-1.0,	495	S6-90/7.03	467
16S130/16.47 (TRILOBE)	478	16TX-2440TO/14.68-0.82,	495	S6-90/7.03+GV90/5.67	467
16S130/17.06 (TRILOBE)	474	16TX-2640TD/17.94-1.0,	495	S6-90/7.03+GV90/5.74	467
16S130/17.47 (TRILOBE)	474	16TX-2640TO/14.68-0.82,	495	S6-90/7.40	466
16S150/16.47/13.80 (TRILOBE)	479	16TX-2840TD/17.94-1.0		S6-90/9.01	458
16S151/13.80IT	478	495		S6-90/9.01+GV90/7.40	458
16S151/13.80IT (TRILOBE)	477	16TX-2840TO/14.68-0.82,	495		
16S151/13.85-0.84	477	16TX-3040TO/14.68-0.82,	495		
16S151/13.85-0.84 (TRILOBE)	477	16TX-3240TO/14.68-0.82,	495		
16S151/13.85IT	478	16TX-3440TO/14.68-0.82,	495		
16S151/16.41IT	478	2840.6	471		
16S151/16.47IT	478	S5-24/6.34	487		
16S151/16.53-1.0	477	S5-24/6.40	487		
16S151/16.53-1.0 (TRILOBE)	477	S5-35/5.64	469		
16S151/16.53IT	478	S5-35/6.45	463		
16S160/11.46 (TRILOBE)	485	S5-35/6.75	461		
16S160/13.68 (TRILOBE)	485	S5-35/6.79	471		
16S160/14.29 (TRILOBE)	474	S5-35/7.65	456		
16S160/17.06 (TRILOBE)	474	S5-35/8.02	455		
16S160A/11.74 (TRILOBE)	484	S5-42/4.65	481		
16S160A/14.14 (TRILOBE)	479				

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Cross Reference

Bezares	Chelsea	Muncie	Notes
1000	442X	TG6S	
	442G	TG6B	ORDER with M1(THIS TRANSMISSION REQUIRES A METRIC STUD KIT)
1010	442Z	TG6D	Muncie uses standard case with M65 input gear
2000	489X	TG8S	
	489G	TG8B	ORDER with M2(THIS TRANSMISSION REQUIRES A METRIC STUD KIT)
2010	489Z	TG8D	Muncie uses standard case with M65 input gear
3000	271M		
3100		CS24	
		CS25	
3131	870X	CS11	Same as CS10 but with remote solenoid
3151	877X	CD10	
3131RP	890X		
	890L		
	890R		
	890H		
	890E		
	890T		
	890U		
3200	272X		
3252	280G	HS24	
3300	272A	CS6S	
	272D		
	272G	CS6B	
3800	282X	CS8S	
		CS8B	
3810	282Z	CS8D	
3900	247F	FR67	Fits both 4X2 & 4X4 5R110 transmission
		FR63	
		FR64	
3920	249F	FR66	Fits both 4X2 and 4X4 Used on 2013 F650 w.gas engines
		FR6Q	
4100	680X	SH8S	Bezares 4100 has higher torque and HP than 680X or SH8S
	680G	SH8B	ORDER with M2 stud kit(THIS IS METRIC TRANSMISSION AND REQUIRES M2 STUD KIT). Bezares 4100 has higher torque and HP than 680X or SH8S
4110	680Z	SH8D	Muncie uses standard case with M65 input gear. Bezares 4110 has higher torque and HP than 680Z or SH8S
6000	340X	RL6D	mounts on limited Mack transmissions PLEASE CALL FOR OPTIONS
	340G		ORDER with M1(THIS TRANSMISSION REQUIRES A METRIC STUD KIT)
6005	340Z		mounts on limited Mack transmissions PLEASE CALL FOR OPTIONS
6800	348X	RL8S	
	348G	RL8B	ORDER with M1(THIS TRANSMISSION REQUIRES A METRIC STUD KIT)
8000	863X	838S	
	863G	838B	order with M2 stud kit(THIS IS METRIC TRANSMISSION AND REQUIRES M2 STUD KIT)
8500	880X	828S	Muncie uses standard case with M65 input gear
	880Z		
	880G	828B	ORDER with M2 stud kit(THIS IS METRIC TRANSMISSION AND REQUIRES M2 STUD KIT)
6013399	941	SS66	Call Bezares for detailed information

PTO Series	Bezares	Chelsea	Muncie
1000	X	X	X
	P		P
	G	P	G
1010	X	X	X
	P		P
	G	P	G
2000	X	X	X
	P		P
	G	P	G
2010	X	X	X
	P		P
	G	P	G
3000	P	X	
		P	

PTO Series	Bezares	Chelsea	Muncie
3100	P		X
			B
3131			4
	P	P	X
			B
3131RP	W	W	
	P	P	
3151	P	P	X
			4
3200	X	X	
3252	P	P	X
			B
3300	P	P	X
			P
3800	X	X	X

PTO Series	Bezares	Chelsea	Muncie
3810	X	X	X
3900	P	P	P
3920	P	X	B
			X
4100	X	X	X
4110	X	X	X
6000	X	X	X
6005	X	X	
6800	X	X	X
8000	X	X	X
8500	X	X	X
			G

Gear Ratio

Cross Reference

PTO Series	Bezares	Chelsea	Muncie	PTO Series	Bezares	Chelsea	Muncie	PTO Series	Bezares	Chelsea	Muncie			
1000 1010	B	F	06	3131	C	A	05	3252	B	C	06			
	C	L	07		E	B	07		C	D				
		H				C	06		E		07			
	E	Q	08		G	D			G	G				
	J	R	09		J	E	08		J	K	09			
	O	S	12		Notes: J ratio is 117% Muncie 8 ratio is 116% on RDS 3000				M	M				
			13			P								
	R	U			M	F	10	O	S	12				
	S	W	15			G			Z	A	04			
T	X	18	O	H		B								
2000 2010	A	C		3131RP	C	A		3300	A	C	05			
	B	F	06		E	B			B		06			
	C	L	07		G	C			C					
		H			D									
	E	Q	08		J	E			E	K	09			
	J	R	09		M	F			J	M				
	O	S	12			G		P						
			13		O	H		O	S	12				
	R	U				J		R	T	14				
	S		15	3151	C	A	05	3900	E	M	06			
	T	X	18			B			3920	E	M	09		
		W			E	C	06	B		F	05			
3000	B	A			G	D	07	4100 4110	C	Q	07			
	C	B			J	E	08		E	R	09			
	E	D			Notes: J ratio is 117% Muncie 8 ratio is 116% on RDS 3000				J	S	12			
3100	B		05		3151	M	F		10	6000	C	F	05	
	C		06				G		6005		C	F		
	E					O	H	12		6800	C	F	05	
	3100	J			08		J		8000		B	B	06	
		Notes: J ratio is 120% Muncie 8 ratio is 115% on RDS 3000			3200	Z	A			8500	B	B	05	
		M	10				B				C	D	08	
		O	12			A	C				G			
						C	G				E	J	09	
				E		K		J			M	10		
			J	M			O	Q			12			
				P			R	R			13			
			O	S			S		15					
						T	T							

PTO Series	Bezares	Chelsea	Muncie	PTO Series	Bezares	Chelsea	Muncie	PTO Series	Bezares	Chelsea	Muncie
1000 1010 2000 2010	RA	XK	K	3131RP	RA	XK	V	3800 3810	SA	RK	S
		RB	S		RB	K					
		AK			RK	XS			SB	RF	P
		Available with 2/4 Bolt B only the competitors is a 2 Bolt B			DA	XY			SE	XD	B
	RB	AF	P	3190	RA		K		SF	RE	R
	SE	XD	B		RB		P		DA	RY	I
	SF	XE	R		RK		E		IC	XV	C
	DA	XY	I		DA		I		ID	AC	2
	TP	XR	G	3151	RA		S		IG	AB	
	IC		C				D	3900	SE	XD	B
	ID		2		RB		P		SF	XE	R
	3000	RA	XK			RJ	RS	E	3920	SE	XD
RB					DA	RY	I	SF		XE	B
RB		AF			IC	XV	C	SI	XP	Q	
SE		XD		ID	AC	2	4100 4110	RA	XK	K	
DA		XY		IG	AB				RB	S	
3100	RA		K	3200	SA	RK			Available with 2/4 Bolt B only the competitors is a 2 Bolt B		
			S		SE	XD			RB	AF	P
	Available with 2/4 Bolt B only the competitors is a 2 Bolt B				SB	RF			SE	XD	B
	RB		P		SF	RE			DA	XY	I
	SE		B		DA	RY			IC	XV	C
	DA		I		IG	AB			ID		2
	IC		C		ID	AC			RK		E
	ID		2		3252	SA	RK	K	6000	SE	XD
3131	RA	D		6		6005	SE	XD			
		S		S			6800	SE	XD	B	
	Available with 2/4 Bolt B only the competitors is a 2 Bolt B			SB		RF	P	8000	IC	XV	C
	RB		P	RJ		RS			DA		2
	RJ	RS	E	SE		XD	B	8500	RK	XS	E
	SE		B	DA		RY			RA		D
	DA	RY	I	IC		XV	C		RB		P
	IC	XV	C	ID	AC	2	DA		XY	I	
ID	AC	2	IG	AB		IC	XV		C		
IG	AB		3300	SA	RK	K	IG		AB	2	
				SB	RF	P					
				SE	XD	B					
				SF	RE	R					

(*) Available with 2/4 Bolt B only the competitors is a 2 Bolt B

Input Gear

Cross Reference

PTO Series	Bezares	Chelsea	Muncie	Notes	PTO Series	Bezares	Chelsea	Muncie	Notes	PTO Series	Bezares	Chelsea	Muncie	Notes
1000	01	AH	U68		1000	44	EP	W96		2000	17	ES	F63	
			S68			45	FF	I85			18	EW	F61	
	02	AB	U60			46	HW	S89			19	FB	N80	
			U57			47	HX	S80			20	FC	N79	
	04	AK	U62			48	JD	T61			21	GS	Z99	
	05	AR	S60			49	JP	N10			22	BC	C61	#22
	06	AX	C60			50	HY	Z92			23	DM	C57	
	07	BA	H65			51	JU				24	DA	M65	
	08	BG	S70			52	ED	Z98			25	DU	F75	
	09	BH	S72			53	FK				26	ET	F65	
	10	BJ	G70			54	FL				27	EV	F11	
	11	BQ	G73			55	FP	R68			28	JK	F70	
	*12	BR				56	GQ	T82			29	JM	F67	
	13	BS	C76			57	GR				30	BM	C70	
	14	DB	F10			58	CR				31	BP		
	15	DN	C61	#15		59	JT				32	EQ		
	16	EC	Z10			62	AL				33	AP	S61	
	17	ES	F63			64	HV	A69			34	FN	S71	
	18	EW	F61					A68			36	AW	N60	
	19	FB	N80			66	JA	F84			37	BK	N72	
	20	FC	N79			67	KU	I84			38	BL	N70	
	21	GS	Z99		1010	01	AH	U68			39	BZ	W80	#39
	22	BC	C61	#22		24	DA	M65			40	CB	N81	
	23	DM	C57			34	FN	S71			41	CD	W80	#41
	24	DA	M65		1200	69		D94			42	JW	F66	
	25	DU	F75			01	AH	S68			43	DD	S58	
	26	ET	F65		2000			U68			44	EP	W96	
	27	EV	F11			02	AB	U57			45	FF	I85	
	28	JK	F70			04	AK	U62			46	HW	S89	
	29	JM	F67			05	AR	S60			47	HX	S80	
	30	BM	C70			06	AX	C60			48	JD	T61	
	31	BP				07	BA	H65			49	JP	N10	
	32	EQ				08	BG	S70			50	HY	Z92	
	33	AP	S61			09	BH	S72			51	JU		
	34	FN	S71			10	BJ	G70			52	ED	Z98	
	36	AW	N60			11	BQ	G73			53	FK		
	37	BK	N72			12	BR				54	FL		
	38	BL	N70			13	BS	C76			55	FP	R68	
	39	BZ	W80	#39		14	DB	F10			56	GQ	T82	
	40	CB	N81			15	DN	C61	#15		57	GR		
	41	CD	W80	#41		16	EC	Z10			58	CR		
	42	JW	F66								59	JT		
	43	DD	S58								62	AL		
											66	JA	F84	

FOOT NOTES: #01: Muncie S68 is 96% of Bezares 01
#15: FS-3005C /3205C /4005C /4205C; CL-457

#22: FS-5005C /5205C; 397V; CL-557; CL-559C
#39: T18; T19; T98 - #41: T18A /B /C; T19A /D

* Check Availability

PTO Series	Bezares	Chelsea	Muncie	Notes
2010	01	AH	U68	
	24	DA	M65	
3000	60	AJ		
3100	63		A10	
3131	63	FJ	A10	
3131RP	63	FJ		
3151	63	FJ	A10	
3190	63	FJ	A10	
3200	01	AH		
	02	AB		
	04	AK		
	05	AR		
	06	AX		
	07	BA		
	08	BG		
	09	BH		
	10	BJ		
	11	BQ		
	12	BR		
	13	BS		
	14	DB		
	15	DN		#15
	16	EC		
	17	ES		
	18	EW		
	19	FB		
	20	FC		
	21	GS		
	22	BC		#22
	23	DM		
	24	DA		
	25	DU		
	26	ET		
	27	EV		
	28	JK		
	29	JM		
	30	BM		
	31	BP		
	32	EQ		
	33	AP		
	34	FN		
	36	AW		
	37	BK		
	38	BL		

PTO Series	Bezares	Chelsea	Muncie	Notes
3200	39	BZ		#39
	40	CB		
	41	CD		#41
	42	JW		
	43	DD		
	44	EP		
	45	FF		
	46	HW		
	47	HX		
	48	JD		
	49	JP		
	50	HY		
	51	JU		
	52	ED		
	53	FK		
	54	FL		
	55	FP		
	56	GQ		
	57	GR		
	58	CR		
	59	JT		
3252	63	FJ	A10	
	64	HV	A67	
3300	67	KU	I84	
	01	AH	S68	
3800			U68	
	02	AB		
	04	AK		
	05	AR	S60	
	06	AX		
	07	BA		
	08	BG	S70	
	09	BH		
	10	BJ		
	11	BQ		
	12	BR		
	13	BS		
	14	DB	F10	
	15	DN	C61	
	16	EC		
	17	ES	F63	
	18	EW		

PTO Series	Bezares	Chelsea	Muncie	Notes
3800	19	FB		
	20	FC		
	21	GS		
	22	BC		
	23	DM		
	24	DA	M65	
	25	DU		
	26	ET		
	27	EV		
	28	JK	F70	
	29	JM		
	30	BM	C70	
	31	BP		
	32	EQ		
	33	AP		
	34	FN	S71	
	36	AW		
	37	BK		
	38	BL		
	39	BZ		#39
	40	CB		
	41	CD		#41
	42	JW	F66	
	43	DD		
	*44	EP		
	*45	FF		
	*46	HW		
	*47	HX		
	*48	JD		
	*49	JP		
	50	HY		
	51	JU		
	52	ED		
	*53	FK		
	*54	FL		
	55	FP		
	56	GQ		
	57	GR		
	58	CR		
	59	JT		
	60		U60	
	62	AL		
	66	JA		
3810	01	AH	U68	
	24	DA	M65	
3900	65	KS	F15	
3920	71	LL	F12	
4100	01	AH	U68	
	24	DA	M65	

FOOT NOTES: #01: Muncie S68 is 96% of Bezares 01
 #15: FS-3005C /3205C /4005C /4205C; CL-457

#22: FS-5005C /5205C; 397V; CL-557; CL-559C
 #39: T18; T19; T98 - #41: T18A /B /C; T19A /D

* Check Availability

Input Gear

Cross Reference

PTO Series	Bezares	Chelsea	Muncie	Notes
4110	01	AH	U68	
	24	DA	M65	
6000	01	AH	U68	
	02	AB	U57	
	17	ES	F63	
	24	DA	M65	
	34	FN	S71	
	42	JW	F66	
	51	JU		

PTO Series	Bezares	Chelsea	Muncie	Notes
6005	24	DA	M65	
6800	01	AH	U68	
	02	AB	U57	
	17	ES	F63	
	24	DA	M65	
	34	FN	S71	
	42	JW	F66	
	51	JU		

PTO Series	Bezares	Chelsea	Muncie	Notes
8000	01	AH	U68	
	02	AB	U57	
	24	DA	M65	
8500	01	AH	U68	
	24	DA	M65	

Assembly

PTO Series	Bezares	Chelsea	Muncie
1000	1	3	1
	2	4	2
	3	5	3
	4	6	4
1010	1	3	1
	2	4	2
	3	5	3
	4	6	4
2000	1	3	1
	2	4	2
	3	5	3
	4	6	4
2010	1	3	1
	2	4	2
	3	5	3
	4	6	4
3000	3	5	
3100	1		1
	3		3

PTO Series	Bezares	Chelsea	Muncie
3131	1	3	1
	3	5	3
3131RP	1	3	
	3	5	
3151	1	3	1
	3	5	3
3190	1		1
	3		3
3200	1	3	
	3	5	
3252	1	3	1
	3	5	3
3300	1	3	1
	3	5	3
3800	1	3	1
	3	5	3
3810	1	3	1
	3	5	3

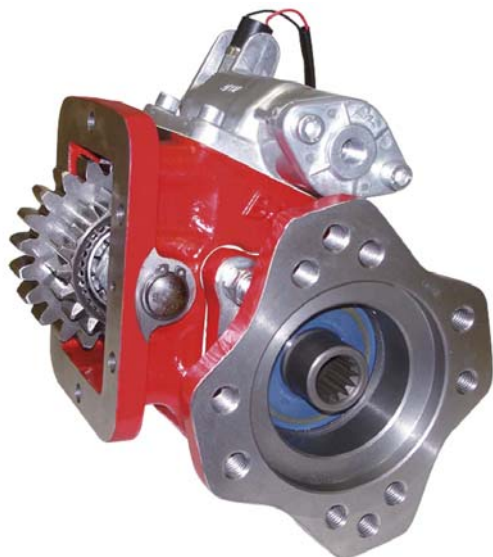
PTO Series	Bezares	Chelsea	Muncie
3900	4	2	4
3920	3	4	3
4100	1	3	1
	3	5	3
4110	1	3	1
	3	5	3
6000	1	5	
		4	
	2		2
6005	1	5	
		4	
6800	2	4	2
	3	5	3
8000	2	4	2
	3	5	3
8500	1	3	1
	3	5	3

PTO Series	Bezares	Chelsea	Muncie	Notes
1000	A	A	A	INCLUDES AK101X (ON/OFF CAB CONTROL)
	M	M	M	
	N	T	P	ORDER WITH AK127X (COMBO CAB CONTROL W/O KICK OUT)
		S		ORDER WITH AK126X (COMBO CAB CONTROL W/ KICK OUT)
		P		
		V		
	P		E	
W	W	C		
1010	A	A	A	INCLUDES AK101X (ON/OFF CAB CONTROL)
	M	M	M	
	N	T	P	ORDER WITH AK127X (COMBO CAB CONTROL W/O KICK OUT)
		S		ORDER WITH AK126X (COMBO CAB CONTROL W/ KICK OUT)
		P		
		V		
	P		E	
W	W	C		
2000	A	A	A	INCLUDES AK101X (ON/OFF CAB CONTROL)
	M	M	M	
	N	T	P	ORDER WITH AK127X (COMBO CAB CONTROL W/O KICK OUT)
		S		ORDER WITH AK126X (COMBO CAB CONTROL W/ KICK OUT)
		P		
		V		
	P		E	
W	W	C		
2010	A	A	A	INCLUDES AK101X (ON/OFF CAB CONTROL)
	M	M	M	
	N	T	P	ORDER WITH AK127X (COMBO CAB CONTROL W/O KICK OUT)
		S		ORDER WITH AK126X (COMBO CAB CONTROL W/ KICK OUT)
		P		
		V		
	P		E	
W	W	C		
3000	E	B		
	F	D		special order 24 volt coil (STANDARD IS 12 VOLT)
	N	S		ORDER WITH AK126X (COMBO CAB CONTROL W/ KICK OUT)
		T		ORDER WITH AK127X (COMBO CAB CONTROL W/O KICK OUT)
	V	N		
3100	E		H	Muncie H shift on CS10/24/41 series is integral to rear cover
	F		J	special order 24 volt coil (STANDARD IS 12 VOLT)
3131	E	G	H	
		B		
		K		
	F	L	J	
		D		
	H			

PTO Series	Bezares	Chelsea	Muncie	Notes
3131RP	E	K		
		G		
		B		
	F	H		
		L		
		D		
3151	M	M	M	
3200	A	A		INCLUDES AK101X (ON/OFF CAB CONTROL)
	N	V		
	P	P		
3252	E	B	H	
	F	D	J	SPECIAL ORDER 24 VOLT COIL (STANDARD IS 12 VOLT)
3300	E	B	S	MUNCIE S SHIFT HAS DROP IN SOLENOID CLEARANCE ISSUES ON AISIN AUTOMATICS
			H	MUNCIE H SHIFT ON CS6B HAS REMOTE SOLENOID
	F	D		
	T	E		
	V	N		
3800	A	A	A	INCLUDES AK101X (ON/OFF CAB CONTROL)
	N	V	P	
3810	A	A	A	INCLUDES AK101X (ON/OFF CAB CONTROL)
	N	V	P	
3900	E	B	H	
3920	E	B	6	
		K	D	
4100	A	A	A	INCLUDES AK101X (ON/OFF CAB CONTROL)
	N	T	P	ORDER WITH AK127X (COMBO CAB CONTROL W/O KICK OUT)
		V		
		S		ORDER WITH AK126X (COMBO CAB CONTROL W/ KICK OUT)
4110	A	A	A	INCLUDES AK101X (ON/OFF CAB CONTROL)
	N	T	P	ORDER WITH AK127X (COMBO CAB CONTROL W/O KICK OUT)
		V		
		S		ORDER WITH AK126X (COMBO CAB CONTROL W/ KICK OUT)
6000	A	A	A	INCLUDES AK101X (ON/OFF CAB CONTROL)
	N	V		
6005	A	A		INCLUDES AK101X (ON/OFF CAB CONTROL)
	N	V		
6800	A	A	A	INCLUDES AK101X (ON/OFF CAB CONTROL)
	N	V		
8000	N	Y	L	BZ 8000 SERIES: ONLY PNEUMATIC VERSION
8500	A	A	T	INCLUDES AK101X (ON/OFF CAB CONTROL)
	N	V		

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2000	28
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3131	35
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3151RP	44
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3200	48
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3300	54
3800	57
3920	60
3940	62
3960	65
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6800	77
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AD_ _ _	94
AD-622	96
AD-68248	97
1196K	98
096_04	100
11111K	102
1198K	104
11103K	106
11123K	108
11107K	110
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1021903	114
1010K	116
102K	118
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Pneumatic
Neumático

Description Descripción

The 1000 Series PTO has been engineered to work with most of the existing transmissions in the market. It is a very durable PTO with a wide range of input gears, shifters, speed ratios and output shafts to meet all of the market applications.

La serie 1000 ha sido diseñada para funcionar en la mayoría de las transmisiones existentes en el mercado. Se trata de una toma de fuerza muy duradera con una amplia gama de engranajes de mando, accionamientos, relaciones de velocidad y ejes de salida para satisfacer todas las aplicaciones del mercado.

Main Data Datos Principales

Mounting position Lado de montaje	Right, Left Derecho, Izquierdo
Weight Peso (Lb)	32

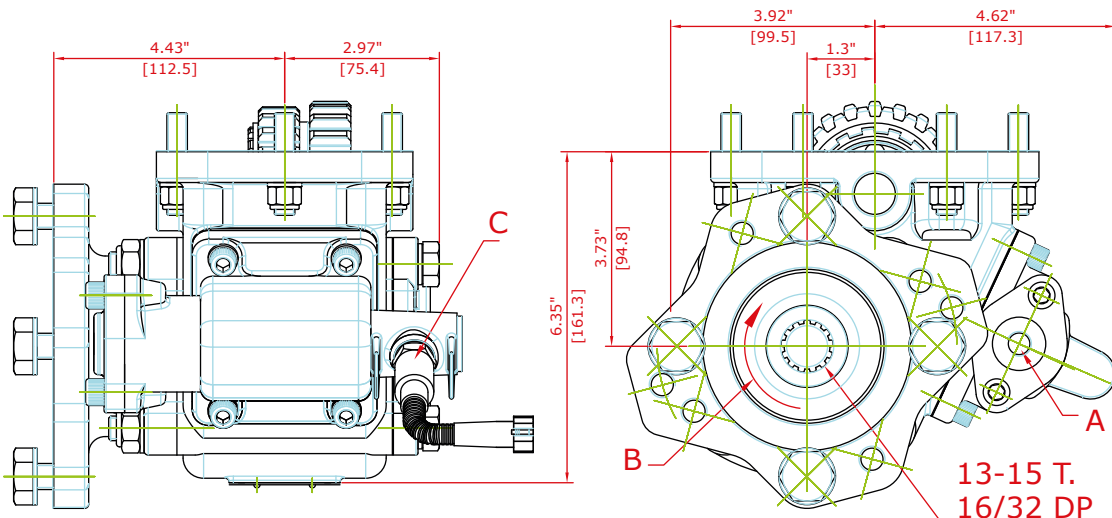
Engine to PTO ratio (See application book)
Relación motor - Toma de Fuerza (Consultar libro de aplicaciones)

INTERNAL RATIO	INTERMITTENT SERVICE			CONTINUOUS SERVICE		
	Torque (Lb. FT)	Power (HP)		Torque (Lb. FT)	Power (HP)	
		At 500 r.p.m.	At. 1000 r.p.m.		At 500 r.p.m.	At. 1000 r.p.m.
55%(B)	250	25	49	178	18	35
73%(C)	250	25	49	178	18	35
86%(E)	225	22	44	160	16	31
95% (J)	225	22	44	160	16	31
125% (O)	200	20	39	142	14	28
137% (R)	200	20	39	142	14	28
150% (S)	190	19	37	135	13	26
165% (T)	175	17	34	124	12	24

Lateral 6 tal. 2 Engranajes

Series

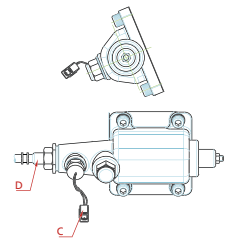
Neumático



Mechanic Mecánico

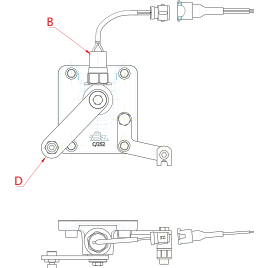
Cable Shift

Acc. por cable integrado

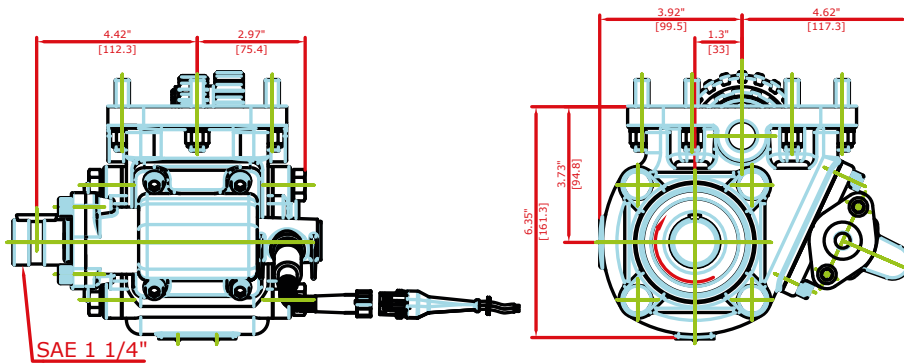


Wire Shift

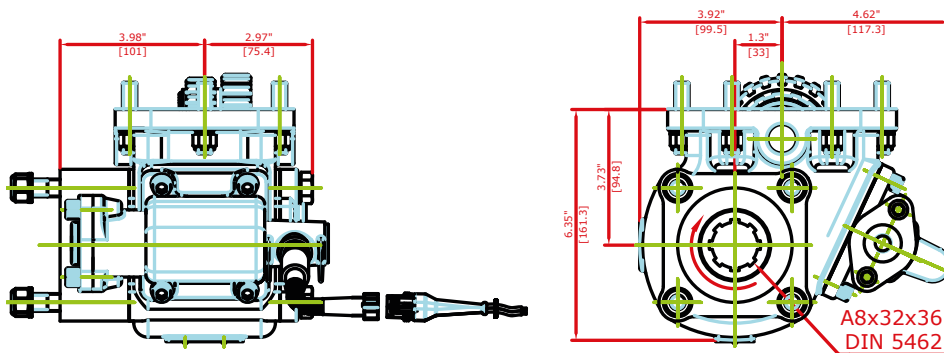
Acc. por cable exterior



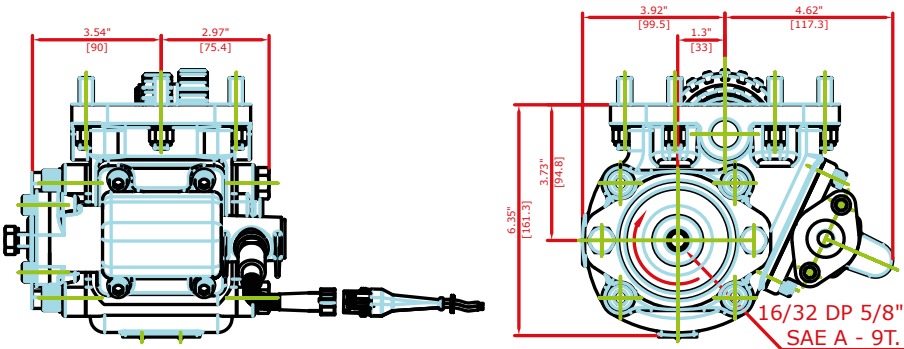
Notes		Notas	
A	Air connection, thread 1/4" BSP	A	Toma de aire, 1/4" GAS
B	Rotation	B	Sentido de giro
C	Indicator switch	C	Indicador de funcionamiento
D	Cable shift	D	Accionamiento por cable integrado
E	Wire shift	E	Accionamiento por cable exterior



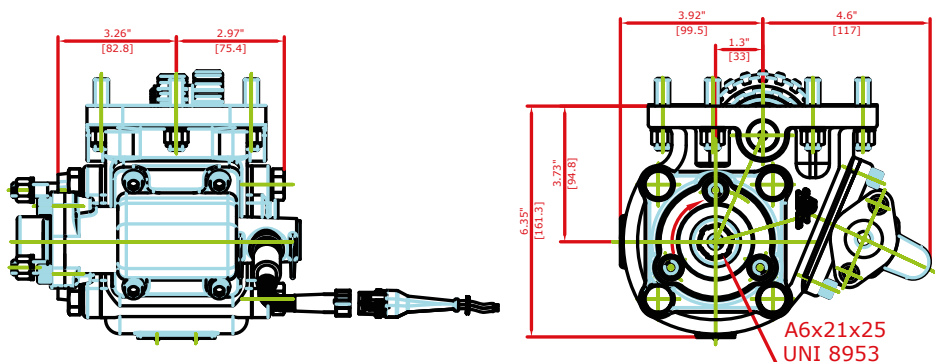
ISO 4 bolt ISO 4 taladros



SAE "A" 2 bolt SAE "A" 2 taladros



UNI 3 bolts 6T UNI 3 aladros 6T



SAE Six Hole, Two Gear-Single Speed Lateral 6 tal. 2 Engranajes

1000
Series

Pneumatic Neumático

Part Number Breakdown Codificación PTO

1000 X J N 01 1 RA

SERIES:

1000 Standard Mounting, 6 bolt
1010 Deep mount, 6 bolt

VERSIONS:

X Standard
G Greaseable Output Shaft
P Oil pressure lube idler Shaft

INTERNAL RATIOS:

1:0.55 (B) → 801034
1:0.73 (C) → 800534
1:0.8 (E) → 800634
1:0.95 (J) → 800734
1:1.25 (O) → 800834
1:1.37 (R) → 801334
1:1.50 (S) → 801434
1:1.65 (T) → 800934

SHIFTER TYPE:

C Cable
W Wire with 10' Cable
M Constant Mesh
N Air without 101 Air Kit

Shifter type	Pos 1/4	Pos 2/3
C	902099	903599
N	902299	903899

INPUT GEAR:

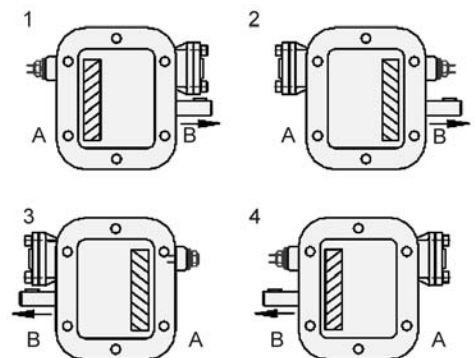
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02 Universal (R/683))	28 Fuller (R/771)
03 Spicer (R/736)	30 Eaton / Fuller (R/698)
05 Spicer (R/677)	33 Spicer (R/697)
06 Fuller (TREMEC) (R/679)	34 Spicer (R/696)
07 Navistar (R/693)	36 New Process (R/739)
08 Spicer (R/682)	39 Warner (R/741)
09 Spicer (R/684)	41 Warner (R/743)
10 Chevy (R/678)	42 Fuller (R/770)
11 Chevy / Spicer (R/699)	50 ZF (R/694)
13 New Process (R/718)	51 Dodge (R/702)
14 Fuller (R/737)	52 Zed / F (R/700)
15 Eaton / Fuller FS-4005C/4205C (R/717)	55 Mack / Renault (R/748)
16 ZF (R/716)	56 Tremec (R/744)
17 Eaton 6305 A (R/680)	57 ZF (R/740)
18 Eaton FS 3005 / 4005 AB (R/717)	61 Ford (R/754)
20 Dodge (R/701)	64 Allison (R/752)
21 ZF S5-42/5.72 (R/676)	66 Fuller (R/862)
22 Eaton / Fuller (R/738)	67 Aisin (R/870)
23 Eaton / Fuller FS-3005 B (R/714)	68 Tremec (R/897)
24 Mack (R/695)	70 Mercedes G60 (R/956)
25 Eaton / Fuller FS 7206 A (R/715)	72 Eaton/Fuller RTS(O) 11909A (G/054)

OUTPUT TYPE:

DA ISO 4 bolt
IA Flange SAE 1100
IB Flange SAE 1300
IC Flange SAE 1400
SE SAE Type 1 1/4" round shaft
SF SAE "A" 2 bolt 9T
SH SAE "AA" 2 bolt 11T
RA SAE "B" 2/4 bolt 13T. rotatable
RB SAE "BB" 2/4 bolt 15T. rotatable
TP Tyron pump (Chelsea type)
UN UNI 3 bolts 6T

ASSEMBLY ARRANGEMENTS:

- 1 Right, Forward
- 2 Right, Rear
- 3 Left, Forward
- 4 Left, Rear



Pneumatic
Neumático



Description Descripción

The 2000 Series PTO has been engineered to work with most of the existing transmissions in the market. It is a very durable PTO with a wide range of input gears, shifters, speed ratios and output shafts to meet all of the market applications.

La serie 2000 ha sido diseñada para funcionar en la mayoría de las transmisiones existentes en el mercado. Se trata de una toma de fuerza muy duradera con una amplia gama de engranajes de mando, accionamientos, relaciones de velocidad y ejes de salida para satisfacer todas las aplicaciones del mercado.

Main Data Datos Principales

Mounting position Lado de montaje	Bottom, Right, Left Inferior, Derecho, Izquierdo
Weight Peso (Lb)	34

Engine to PTO ratio (See application book)
Relación motor - Toma de Fuerza (Consultar libro de aplicaciones)

INTERNAL RATIO	INTERMITTENT SERVICE			CONTINUOUS SERVICE		
	Torque (Lb. FT)	Power (HP)		Torque (Lb. FT)	Power (HP)	
		At 500 r.p.m.	At. 1000 r.p.m.		At 500 r.p.m.	At. 1000 r.p.m.
50%(A)	250	25	49	178	18	35
55%(B)	250	25	49	178	18	35
73%(C)	250	25	49	178	18	35
86%(E)	225	22	44	160	16	31
95% (J)	225	22	44	160	16	31
125% (O)	200	20	39	142	14	28
137% (R)	200	20	39	142	14	28
150% (S)	190	19	37	135	13	26
165% (T)	175	17	34	124	12	24

SAE Eight Hole, Two Gear-Single Speed Lateral 8 tal. 2 Engranajes

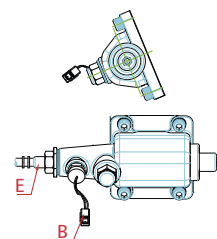
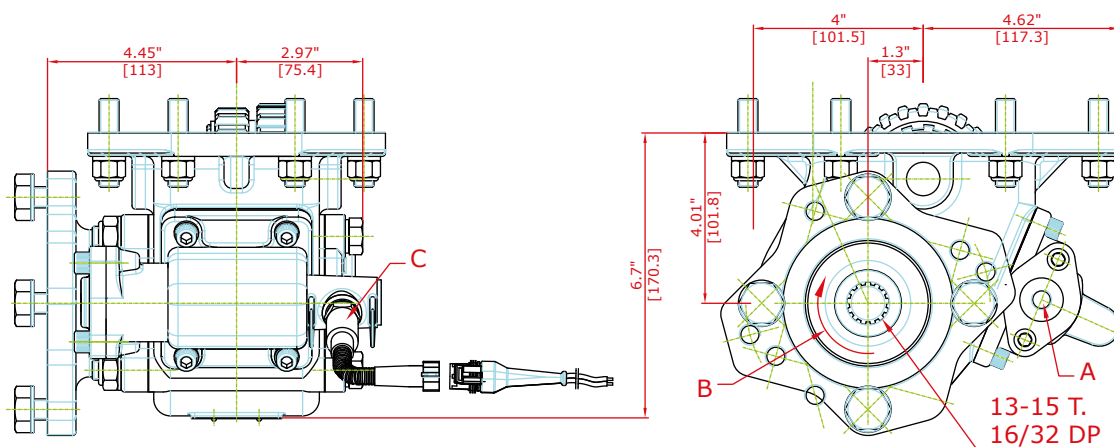
2000
Series

Pneumatic
Neumático

Mechanic Mecánico

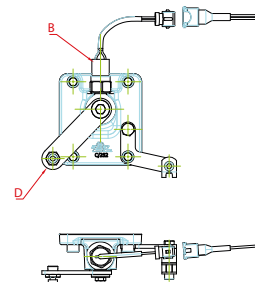
Cable Shift

Acc. por cable integrado



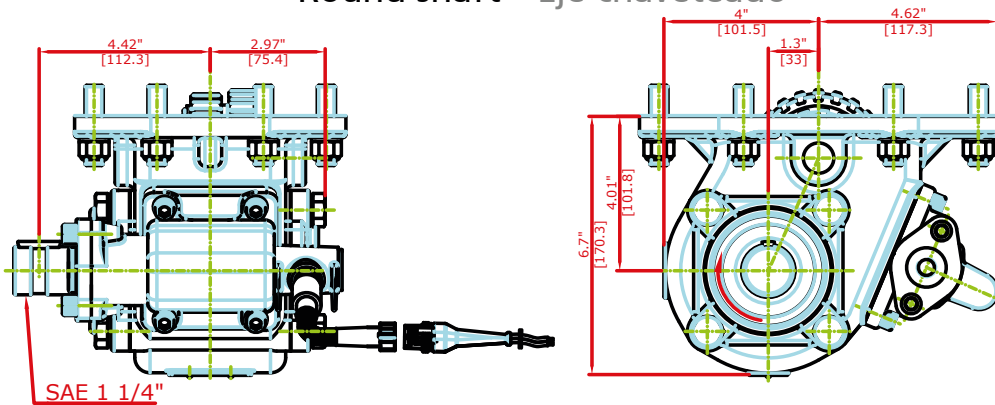
Wire Shift

Acc. por cable exterior

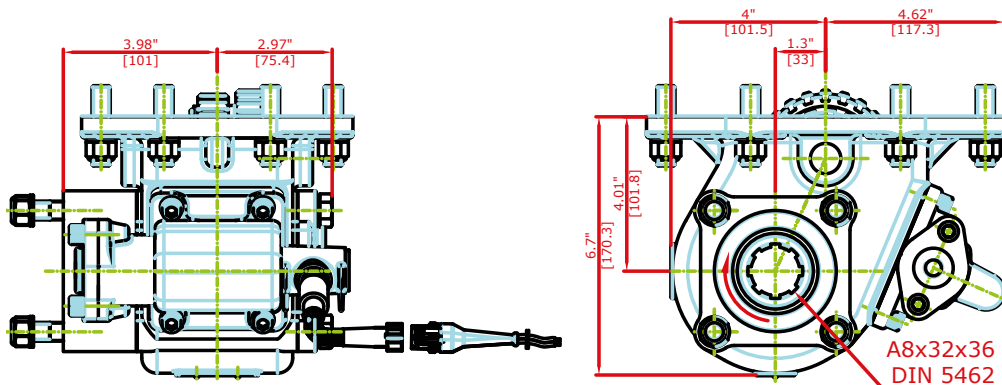


Notes		Notas	
A	Air connection, thread 1/4" BSP	A	Toma de aire, 1/4" GAS
B	Indicator switch	B	Indicador de funcionamiento
C	Rotation	C	Sentido de giro
D	Wire shift	D	Accionamiento por cable exterior
E	Cable shift	E	Accionamiento por cable integrado

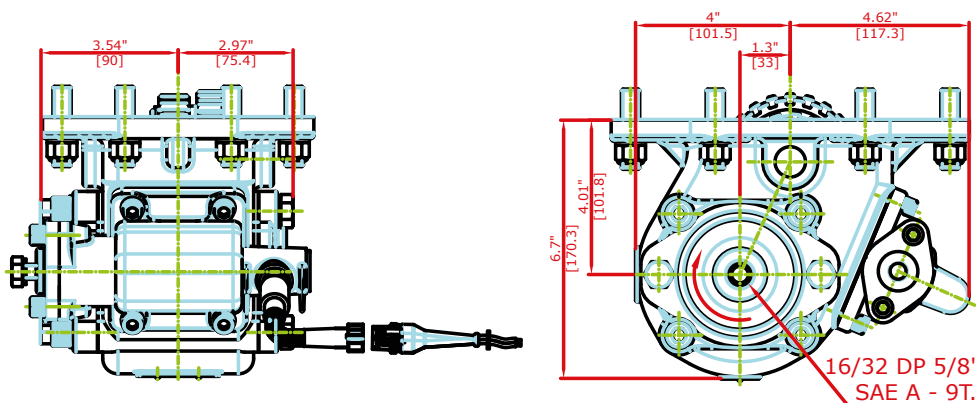
Round shaft Eje chaveteado



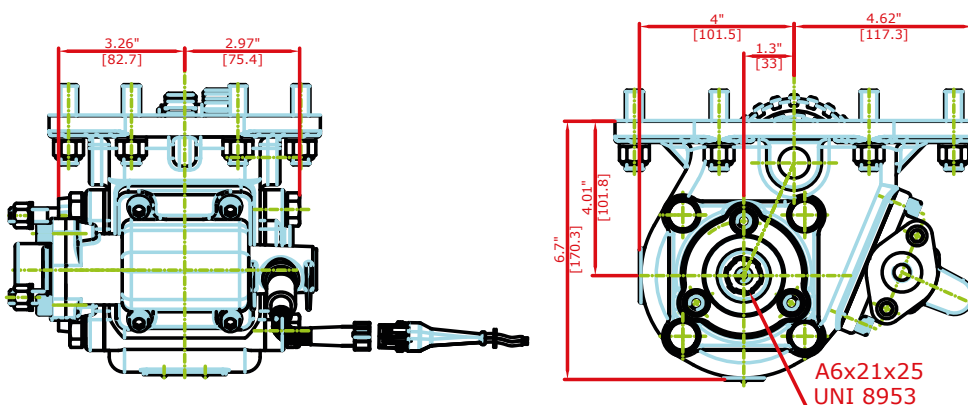
ISO 4 bolt ISO 4 taladros



SAE "A" 2 bolt SAE "A" 2 taladros



UNI 3 bolts 6T UNI 3 taladros 6T



SAE Eight Hole, Two Gear-Single Speed Lateral 8 tal. 2 Engranajes

2000
Series

Pneumatic Neumático

Part Number Breakdown Codificación PTO

2000 X J N 01 1 RA

SERIES:

2000 Standard Mounting, 8 bolt
2010 Deep Mounting, 8 bolt

VERSIONS:

X Standard
G Greaseable Output Shaft
P Oil pressure lube idler Shaft

INTERNAL RATIOS:

1:0.50 (A)	→	PT801534
1:0.55 (B)	→	PT801034
1:0.73 (C)	→	PT800534
1:0.8 (E)	→	PT800634
1:0.95 (J)	→	PT800734
1:1.25 (O)	→	PT800834
1:1.37 (R)	→	PT801334
1:1.50 (S)	→	PT801434
1:1.65 (T)	→	PT800934

SHIFTER TYPE:

W Wire with 10' Cable
M Constant Mesh
N Air without 101 Air Kit

INPUT GEAR:

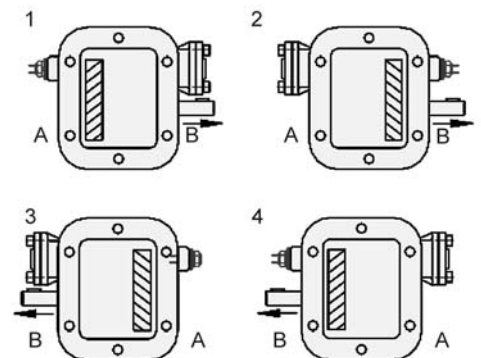
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02 Universal (R/683))	30 Eaton / Fuller (R/698)
03 Spicer (R/736)	33 Spicer (R/697)
05 Spicer (R/677)	34 Spicer (R/696)
06 Fuller (TREMEC) (R/679)	36 New Process (R/739)
07 Navistar (R/693)	39 Warner (R/741)
08 Spicer (R/682)	41 Warner (R/743)
09 Spicer (R/684)	42 Fuller (R/770)
10 Chevy (R/678)	50 ZF (R/694)
11 Chevy / Spicer (R/699)	51 Dodge (R/702)
13 New Process (R/718)	52 ZF (R/694)
14 Fuller (R/737)	55 Mack / Renault (R/748)
15 Eaton / Fuller FS-4005C/4205C (R/717)	56 Tremec (R/744)
16 ZF (R/716)	57 ZF (R/740)
17 Eaton 6305 A (R/680)	61 Ford (R/754)
18 Eaton FS 3005 / 4005 AB (R/717)	64 Allison (R/752)
20 Dodge (R/701)	66 Fuller (R/862)
21 ZF S5-42/5.72 (R/676)	67 Aisin (R/870)
22 Eaton / Fuller (R/738)	68 Tremec (R/897)
23 Eaton / Fuller FS-3005 B (R/714)	70 Mercedes G60 (R/956)
24 Mack (R/695)	75 Endurant HD (G/210)
25 Eaton / Fuller FS 7206 A (R/715)	77 Endurant XD, XD Pro (G/227)
27 Eaton / Fuller (R/692)	

OUTPUT TYPE:

DA ISO 4 bolt
FA Flange SAE 1100
IB Flange SAE 1300
IC Flange SAE 1400
SE SAE Type 1 1/4" round shaft
SF SAE "A" 2 bolt 9T
SH SAE "AA" 2 bolt 11T
RA SAE "B" 2/4 bolt 13T. rotatable
SG SAE B 2/4 bolt 14T. rotatable
RB SAE "BB" 2/4 bolt 15T. rotatable
TP Tyron pump (Chelsea type)
UN UNI 3 bolts 6T

ASSEMBLY ARRANGEMENTS:

- 1 Right, Forward
- 2 Right, Rear
- 3 Left, Forward
- 4 Left, Rear



8 Bolt Low Ratio PTO

T.F. 8 Taladros Baja Relación



Description Descripción

The 2500 Series 8 bolt PTO has been designed to meet the demands for low speed applications such as product pumps, and beyond for the Eaton Endurant HD / XD / XD Pro Series transmissions.

La Toma de fuerza serie 2500 ha sido diseñada para satisfacer la demanda de aplicaciones de bajas revoluciones como bombas de producto además de las cajas de cambios Eaton de la serie Endurant HD / XD / XD Pro.

Main Data Datos Principales

Torque (Lb.FT) Par nominal	Continuous Continuo	178
	Intermittent Intermitente	250
Power 1000 r.p.m. (HP) Potencia 1000 r.p.m.		49
Mounting position Lado de montaje		Bottom Inferior
Weight (Lb) Peso		48
Engine to PTO ratio Relación motor - Toma de Fuerza	Endurant HD	71%
	Endurant XD, XD Pro	74%
Internal ratio Relación interna		42% (Z)

Part Number Breakdown Codificación PTO

2500 X Z N 75 1 DA

SERIES:

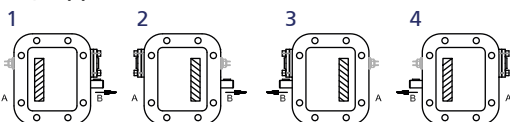
2500 Low Ratio, 8 bolt

VERSIONS:

X Standard

INTERNAL RATIOS:

1:0,42 (Z)



SHIFTING TYPE:

N- Air without 101 Air Kit

OUTPUT TYPE:

DA - DIN 5462 ISO 4 bolt

SE - SAE Type 1 1/4" round shaft

RA - SAE "B" 2/4 bolt 13T, rotatable

MOUNTING POSITION:

1 - Right, Forward 3 - Left, Forward

2 - Right, Rear 4 - Left, Rear

INPUT GEAR:

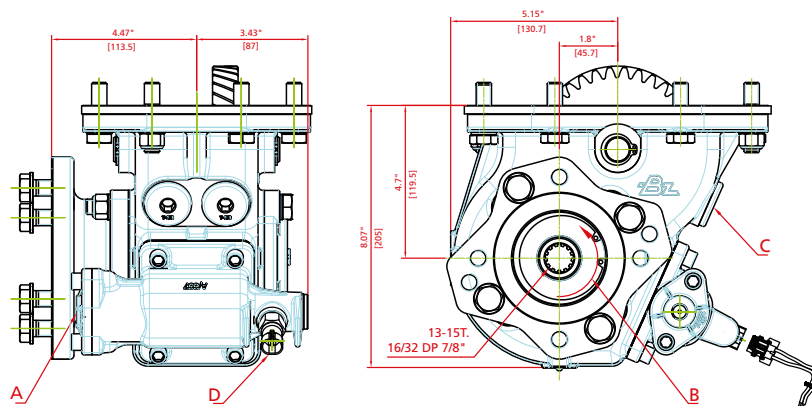
75 - Endurant HD

77 - Endurant XD

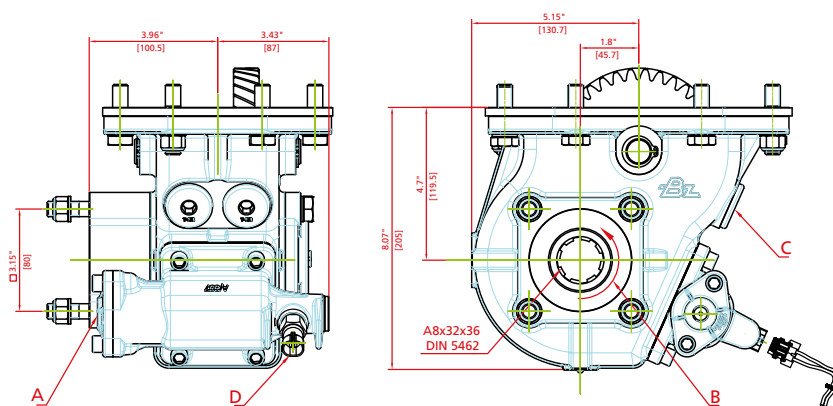
8 Bolt Low Ratio PTO

T.F. 8 Taladros Baja Relación

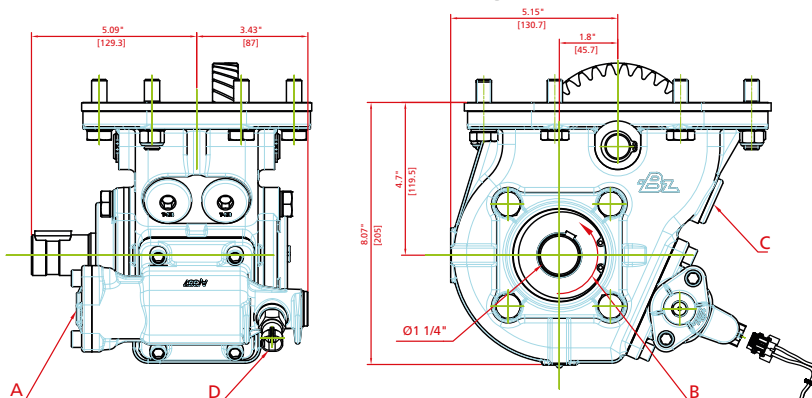
SAE B 2/4 bolt SAE B 2/4 Taladros



ISO 4 bolt ISO 4 taladros



1 1/4" Round shaft Eje chaveteado



Notes Notas

- A Air connection, thread 1/4" BSP
- B Rotation
- C Backlash check plugs
- D Indicator switch

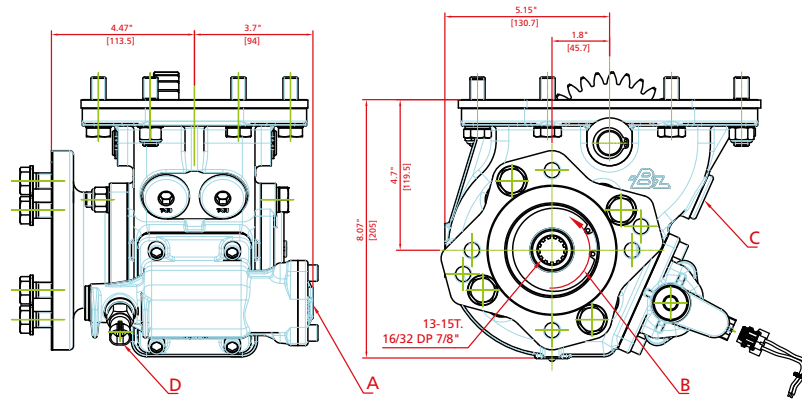
- A Toma de aire, 1/4" GAS
- B Sentido de giro
- C Tapones comprobación juego de engranajes
- D Indicador de funcionamiento

ENDURANT XD / XD PRO SERIES

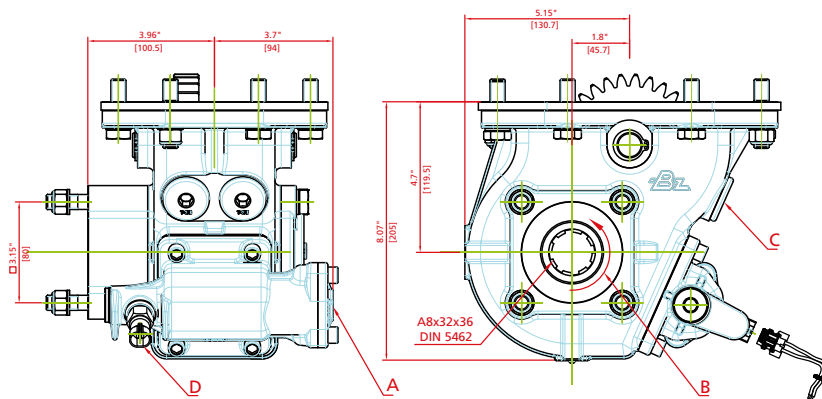
8 Bolt Low Ratio PTO

T.F. 8 Taladros Baja Relación

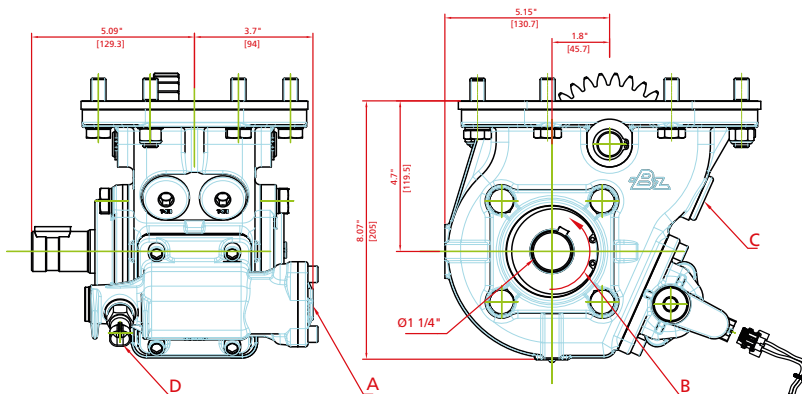
SAE B 2/4 bolt SAE B 2/4 Taladros



ISO 4 bolt ISO 4 taladros



1 1/4" Round shaft Eje chaveteado



Notes Notas

A	Air connection, thread 1/4" BSP	A	Toma de aire, 1/4" GAS
B	Rotation	B	Sentido de giro
C	Backlash check plugs	C	Tapones comprobación juego de engranajes
D	Indicator switch	D	Indicador de funcionamiento



Description Descripción

Hot Shift Power Take-off, 2 gears, Hydraulic shifting and internal lubrication. Mounting on both sides of the Gearbox. Wide range of internal ratios and most standard output flanges: SAE B, BB, C or ISO 4 bolts.

Toma de fuerza de 2 piñones, con embrague incorporado, accionamiento hidráulico y lubricación interna. Montaje sobre ambos lados de la caja de cambios. Amplia gama de relaciones internas. Disponible con tipos de salida: SAE B, BB, C o ISO 4 taladros.

Main Data Datos Principales

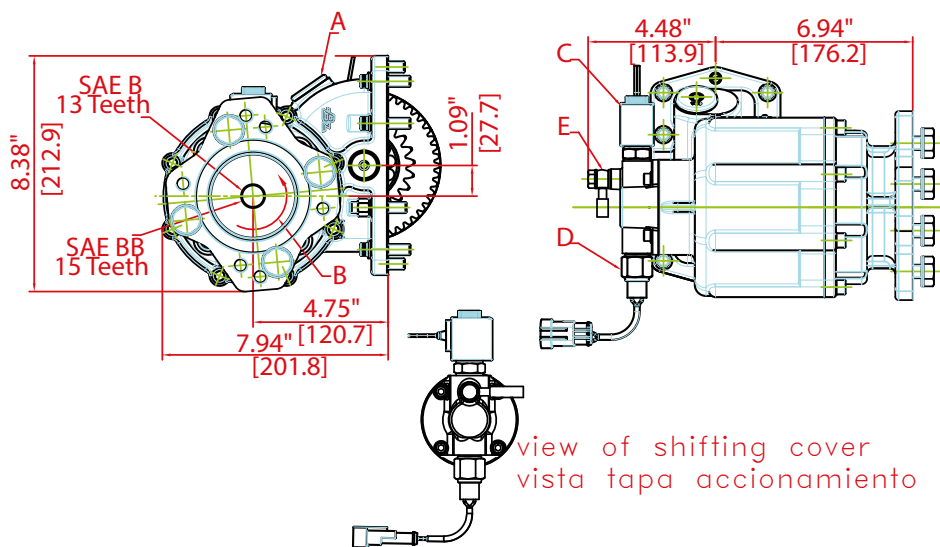
Mounting position Lado de montaje	Right, Left Derecho, Izquierdo
Weight Peso (Lb)	60

Engine to PTO ratio (See application book) Relación motor - Toma de Fuerza (Consultar libro de aplicaciones)

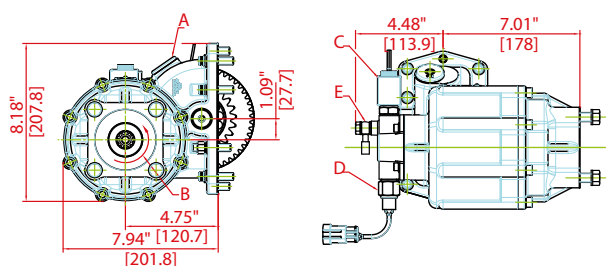
INTERNAL RATIO	INTERMITTENT SERVICE			CONTINUOUS SERVICE		
	Torque (Lb. FT)	Power (HP)		Torque (Lb. FT)	Power (HP)	
		At 500 r.p.m.	At. 1000 r.p.m.		At 500 r.p.m.	At. 1000 r.p.m.
50%(B)	500	48	97	400	39	78
58%(C)	500	48	97	400	39	78
68%(E)	450	44	88	360	35	70
78% (G)	420	40	80	340	33	65
84% (J)	400	38	76	320	30	60
97% (M)	380	36	72	300	28	56
119% (O)	350	33	66	280	26	52

Most standard output types Tipos de salida más utilizadas

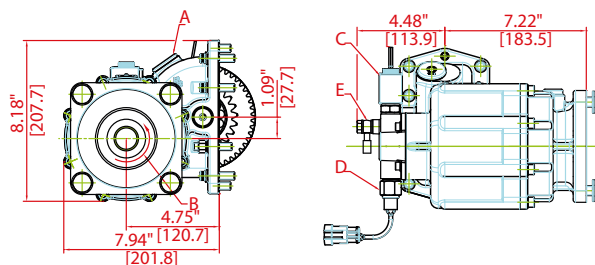
SAE "B" 2/4 bolt SAE "B" 2/4 taladros



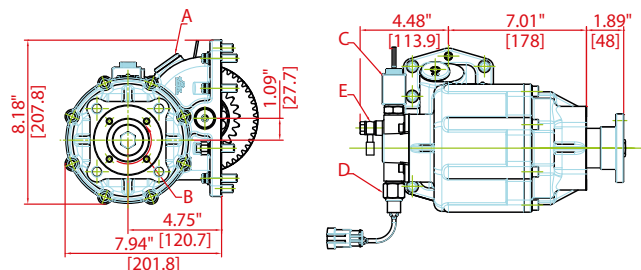
ISO 4 bolt ISO 4 taladros



SAE "C" 4 bolt SAE "C" 4 taladros



Drive flange Plato de transmisión



Notas Notes

Notas	Notes
A Backlash check plug	A Comprobación juego de engranajes
B Rotation	B Sentido de giro
C Solenoid 14V DC (24V DC Optional)	C Solenoide 14V DC (24V DC Opcional)
D Pressure switch	D Presostato
E Shifting hose	E Latiguillo accionamiento

Side Mount Pneumatic / Hydraulic
Lateral Neumático / Hidráulico

Part Number Breakdown Codificación PTO

3131 P B E 63 3 RA

SERIES:

3131 Allison 10 bolts

VERSIONS:

P Pressure lube idler

INTERNAL RATIOS:

(B) 34%
(C) 58%
(E) 68%
(G) 78%
(J) 84%
(M) 97%
(O) 119%

SHIFTER TYPE:

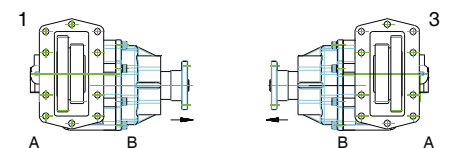
E Electric 14V. over Hydraulic
F Electric 24V. over Hydraulic
T Electric 14V. over hydraulic, without wiring kit
V Electric 24V. over hydraulic, without wiring kit

OUTPUT TYPE:

RA SAE "B" 2/4 bolt 13T. rotatable
RB SAE "BB" 2/4 bolt 15T. rotatable
RJ SAE "C" 4 bolt 14T
DA ISO 4 bolt
IB Flange SAE 1310
IC Flange SAE 1410
ID Flange DIN 100

ASSEMBLY ARRANGEMENTS:

1 Right, Forward
3 Left, Forward



INPUT GEAR:

63 Allison

PTO MOUNTING POS. 1

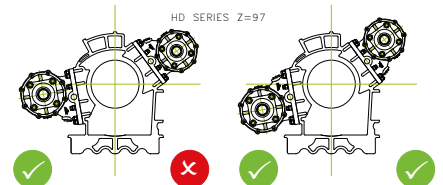
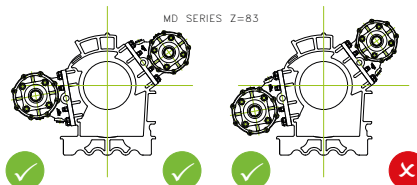
PTO MOUNTING POS. 3

PTO MOUNTING POS. 1

PTO MOUNTING POS. 3

PTO MOUNTING POS. 1

PTO MOUNTING POS. 3



Rear Pump
Bomba Posterior

Description Descripción

Hot Shift Power Take-off, 2 gears, with prolonged shaft for rear pump. Hydraulic shifting and internal lubrication. Mounting on both sides of Gearbox. Wide range of internal ratios.

Toma de fuerza de 2 piñones, con embrague incorporado y eje prolongado para montaje posterior de bomba. Accionamiento hidráulico y lubricación interna. Montaje sobre ambos lados de la caja de cambios. Amplia gama de relaciones internas.

Main Data Datos Principales

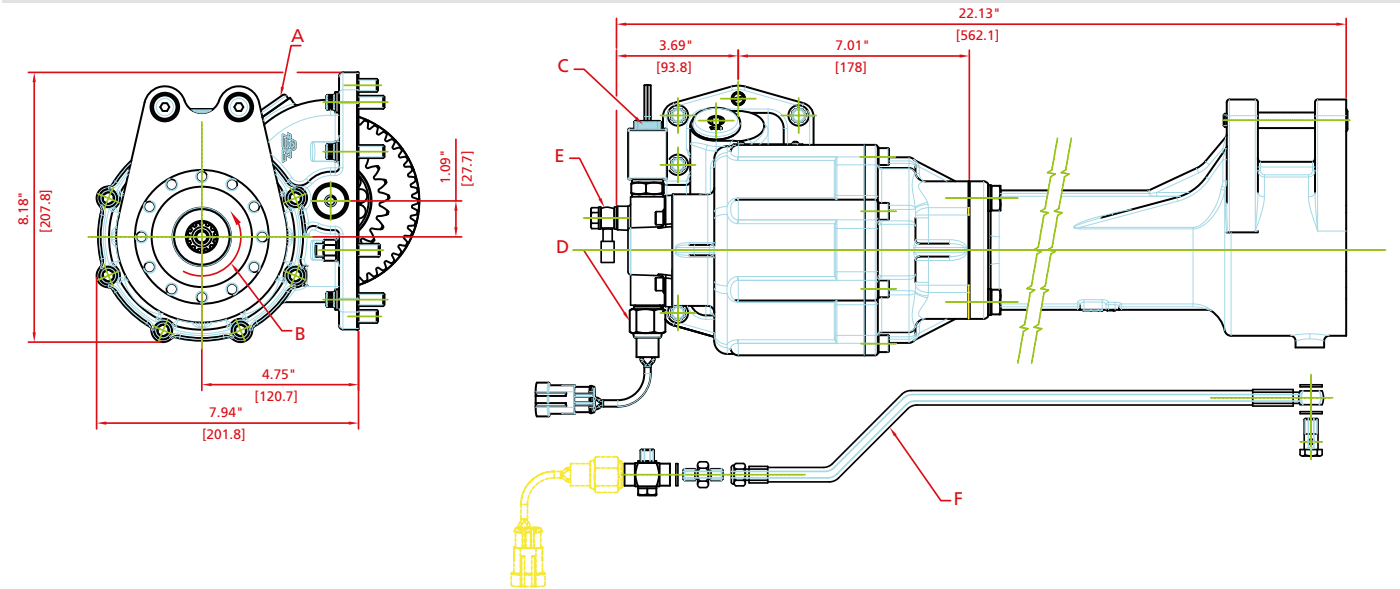
Mounting position Lado de montaje	Left / Right / Top Derecho / Izquierdo / Superior
Weight Peso (Lb)	63Lb (29 kg)

Engine to PTO ratio (See application book)
Relación motor - Toma de Fuerza (Consultar libro de aplicaciones)

INTERNAL RATIO	INTERMITTENT SERVICE			CONTINUOUS SERVICE		
	Torque (Lb. FT)	Power (HP)		Torque (Lb. FT)	Power (HP)	
		At 500 r.p.m.	At. 1000 r.p.m.		At 500 r.p.m.	At. 1000 r.p.m.
50%(B)	500	48	97	400	39	78
58%(C)	500	48	97	400	39	78
68%(E)	450	44	88	360	35	70
78% (G)	420	40	80	340	33	65
84% (J)	400	38	76	320	30	60
97% (M)	380	36	72	300	28	56
119% (O)	350	33	66	280	26	52

Rear Pump
Bomba Posterior

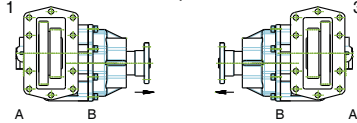
Main Dimensions Dimensiones principales



Notes Notas	
A Backlash check plug	A Tapón comprobación juego engranajes
B Pump Rotation.	B Sentido de giro
C Solenoid 24V DC (12V DC Optional)	C Solenoide 24V DC (12V DC Opcional)
D Pressure switch	D Presostato
E Shifting hose	E Latiguillo accionamiento
F Optional: Wet spline Kit (P/N 9081099)	F Opcional: Kit de lubricación para estriado (9081099)

Part Number Breakdown Codificación PTO

3131 P B E 63 3 RP

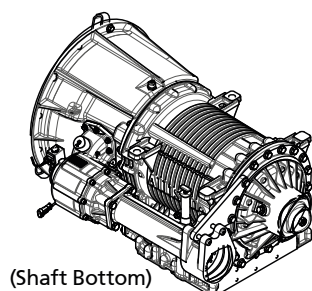
SERIES: 3131 Allison 10 bolts	OUTPUT TYPE: RP Rear Pump
VERSIONS: P Pressure lube idler	ASSEMBLY ARRANGEMENTS: 1 Right, Forward 3 Left, Forward
INTERNAL RATIOS: 50% (B) 68% (E) 84% (J) 119% (O) 58% (C) 78% (G) 97% (M)	
SHIFTER TYPE: E Electric 14V. over hydraulic F Electric 24V. over hydraulic T Electric 14V. over hydraulic, without wiring kit V Electric 24V. over hydraulic, without wiring kit	INPUT GEAR: 63 Allison

NOTE: rear pump adapter, bracket & wet spline kit must be ordered separately.
NOTA: Adaptador a bomba posterior, soporte correspondiente y kit de lubricación para estriado de la bomba se piden por separado

Rear Pump Brackets Kits Adaptadores Bomba Posterior

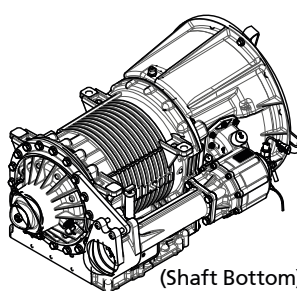
Allison 3000 series

3000 (MH /RDS /TRV) P/N. 9070799



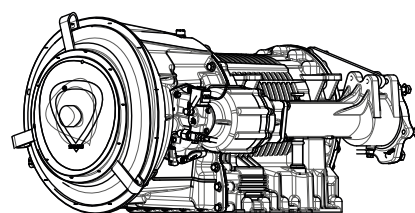
(Shaft Bottom)

3000 (MH /RDS /TRV) P/N. 9075899



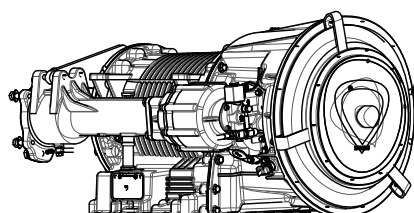
(Shaft Bottom)

3000 (MH /RDS /TRV) P/N. 9076899



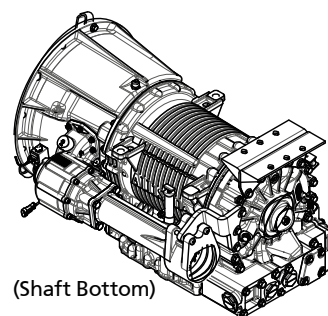
(Shaft Up)

3000 (MH /RDS /TRV) P/N. 9076999



(Shaft Up)

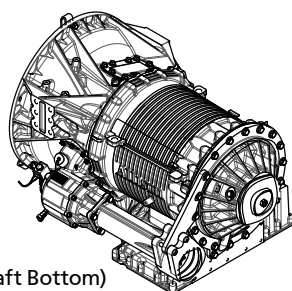
3000 (MH /RDS /TRV) + Retarder P/N. 9076399



(Shaft Bottom)

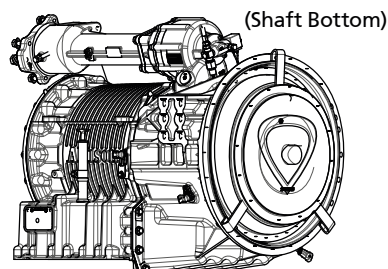
Allison 4000 series

4000 (EVS /MH /RDS /TRV) 4500 (EVS /RDS) P/N. 9071399



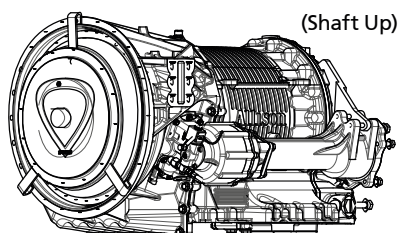
(Shaft Bottom)

4000 (EVS /MH /RDS /TRV) 4500 (EVS /RDS) P/N. 9075999



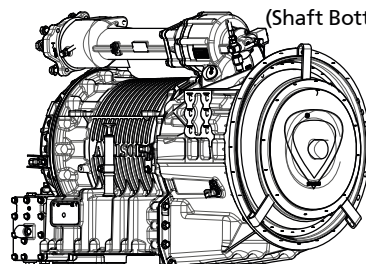
(Shaft Bottom)

4000 (EVS /MH /RDS /TRV) 4500 (EVS /RDS) + Retarder P/N. 9076699



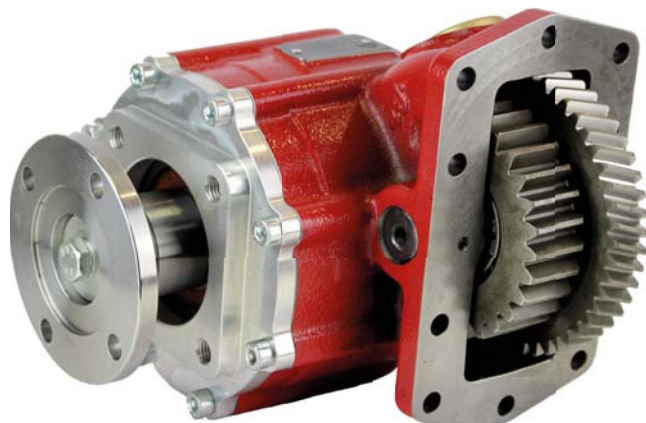
(Shaft Up)

4000 (EVS /MH /RDS /TRV) 4500 (EVS /RDS) + Retarder P/N. 9076599



(Shaft Bottom)

Constant Mesh, Heavy Duty Toma Constante, Reforzado



Description Descripción

Constant Mesh Power Take-off, 2 gears, internal lubrication. Mounting on both sides of the Transmission. Wide range of internal ratios and standard outputs: SAE C, ISO 4 bolts, and drive flange.

Toma de fuerza de 2 piñones, en toma constante, lubricación interna. Montaje sobre ambos lados de la caja de cambios. Amplia gama de relaciones internas. Disponible con tipos de salida: SAE C, ISO 4 taladros o plato de transmisión.

Main Data Datos Principales

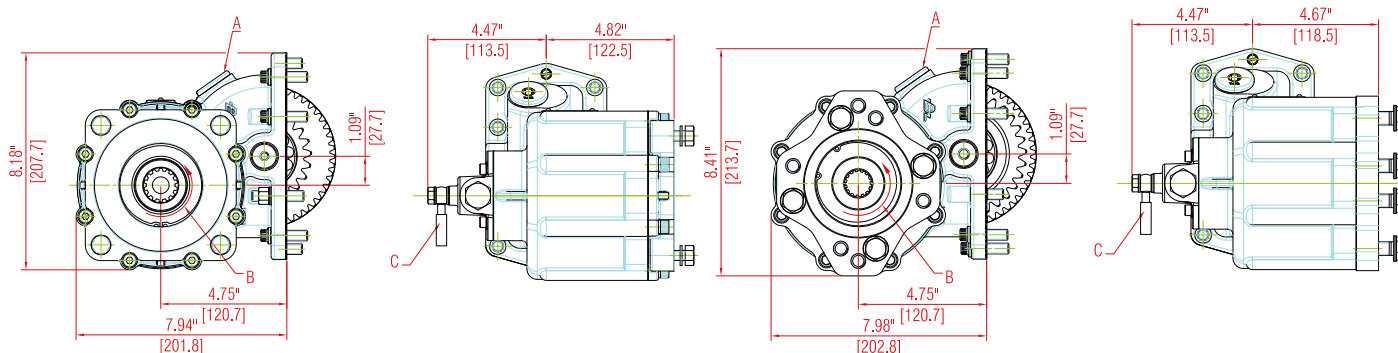
Mounting position Lado de montaje	Right, Left Derecho, Izquierdo
Weight Peso (Lb)	42

Engine to PTO ratio (See application book) Relación motor - Toma de Fuerza (Consultar libro de aplicaciones)

INTERNAL RATIO	INTERMITTENT SERVICE			CONTINUOUS SERVICE		
	Torque (Lb. FT)	Power (HP)		Torque (Lb. FT)	Power (HP)	
		At 500 r.p.m.	At. 1000 r.p.m.		At 500 r.p.m.	At. 1000 r.p.m.
50%(B)	500	48	97	400	39	78
58%(C)	500	48	97	400	39	78
68%(E)	450	44	88	360	35	70
78% (G)	420	40	80	340	33	65
84% (J)	400	38	76	320	30	60
97% (M)	380	36	72	300	28	56
119% (O)	350	33	66	280	26	52

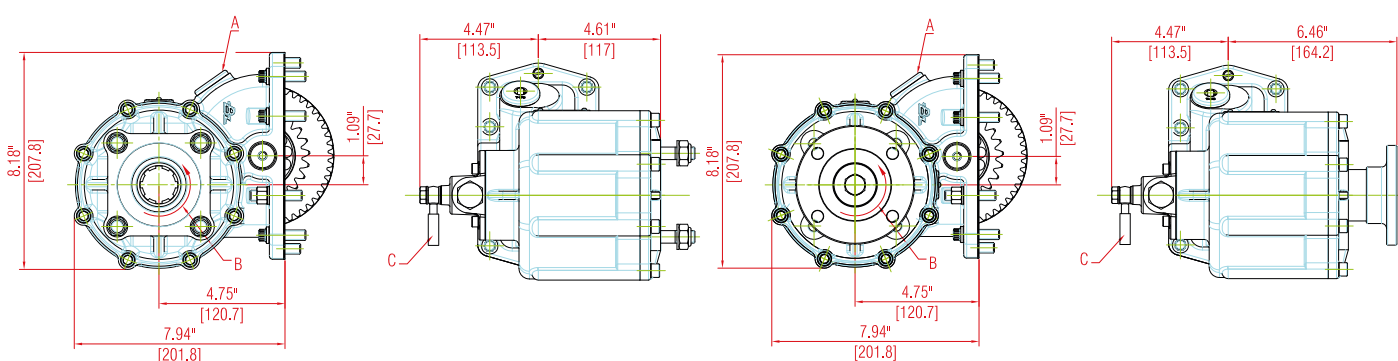
Constant Mesh, Heavy Duty Toma Constante, Reforzado

SAE "C" 4 bolt SAE "C" 4 taladros SAE "B" 2/4 bolt SAE "B" 2/4 taladros



ISO 4 bolt ISO 4 taladros

Drive Flange Plato de Transmisión



Notas Notes

A	Backlash check plug	A	Comprobación juego de engranajes
B	Rotation	B	Sentido de giro
C	Lubrication hose (included)	C	Latiguillo de lubricación (incluido)

Constant Mesh, Heavy Duty
Toma Constante, Reforzado

Part Number Breakdown Codificación PTO

3151 P B M 63 3 RJ

SERIES:

3151 Allison 10 bolts

VERSIONS:

P Pressure lube idler

INTERNAL RATIOS:

50% (B)
58% (C)
68% (E)
78% (G)
84% (J)
97% (M)
119% (O)

SHIFTER TYPE:

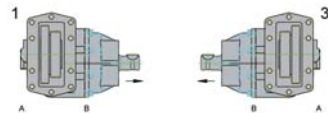
M Constant mesh

OUTPUT TYPE:

DA ISO 4 bolt
IC Flange SAE 1410
RJ SAE C. 4 bolt 14T
RA SAE B. 2/4 bolt 13T
RB SAE BB. 2/4 bolt 15T

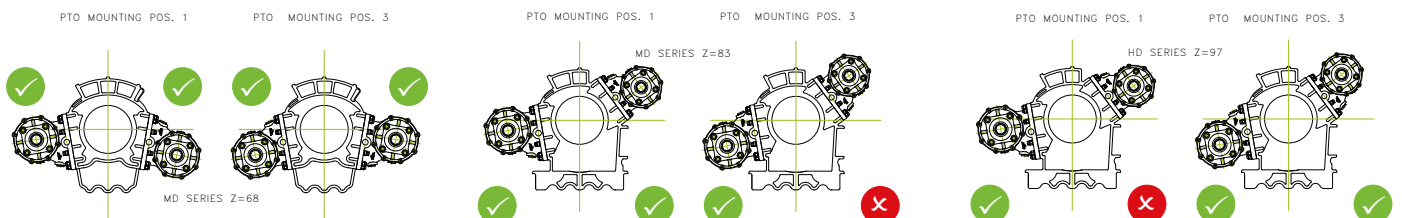
ASSEMBLY ARRANGEMENTS:

1 Right, Forward
3 Left, Forward



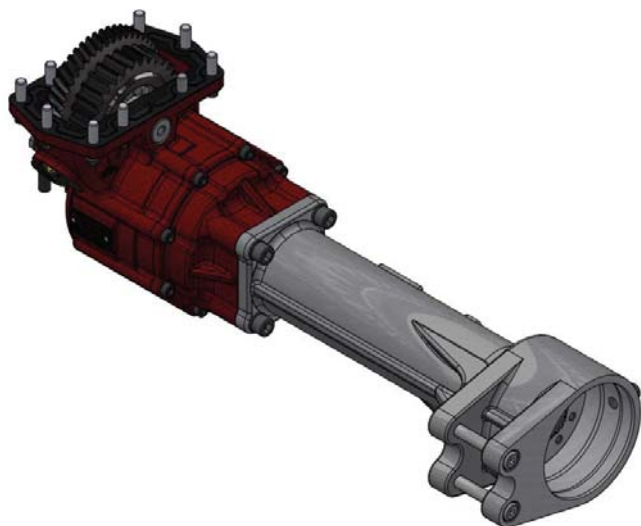
INPUT GEAR:

63 Allison



Constant Mesh, Rear Pump

Toma Constante, Bomba Posterior



Description Descripción

Constant Mesh Power Take-off, 2 gears, with prolonged shaft for rear pump and internal lubrication. Mounting on both sides of the Transmission. Wide range of internal ratios and standard outputs: SAE C, ISO 4 bolts, and drive flange.

Toma de fuerza de 2 piñones, en toma constante, con eje prolongado para montaje posterior de bomba y lubricación interna. Montaje sobre ambos lados de la caja de cambios. Amplia gama de relaciones internas. Disponible con tipos de salida: SAE C, ISO 4 taladros o plato de transmisión.

Main Data Datos Principales

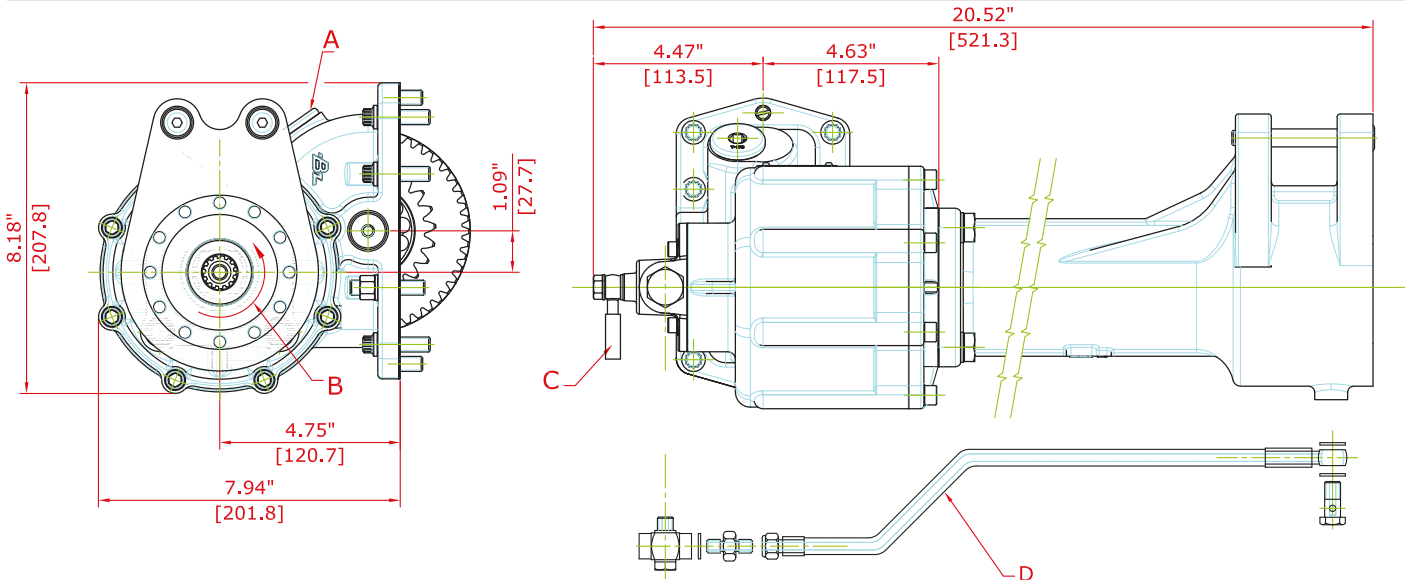
Mounting position Lado de montaje	Right, Left Derecho, Izquierdo
Weight Peso (Lb)	42

Engine to PTO ratio (See application book) Relación motor - Toma de Fuerza (Consultar libro de aplicaciones)

INTERNAL RATIO	INTERMITTENT SERVICE			CONTINUOUS SERVICE		
	Torque (Lb. FT)	Power (HP)		Torque (Lb. FT)	Power (HP)	
		At 500 r.p.m.	At. 1000 r.p.m.		At 500 r.p.m.	At. 1000 r.p.m.
50%(B)	500	48	97	400	39	78
58%(C)	500	48	97	400	39	78
68%(E)	450	44	88	360	35	70
78% (G)	420	40	80	340	33	65
84% (J)	400	38	76	320	30	60
97% (M)	380	36	72	300	28	56
119% (O)	350	33	66	280	26	52

Constant Mesh, Rear Pump
Toma Constante, Bomba Posterior

Main Dimensions Dimensiones principales



Notes Notas	
A Backlash check plug	A Tapón comprobación juego engranajes
B Pump Rotation.	B Sentido de giro
C Lubrication hose (included)	C Latiguillo de lubricación (incluido)
D Optional: Wet spline Kit (P/N 9081099)	D Opcional: Kit de lubricación para estriado (9081099)

Part Number Breakdown Codificación PTO

3151 P B M 63 3 RP

SERIES:

3151 Allison 10 bolts

VERSIONS:

P Pressure lube idler

INTERNAL RATIOS:

50% (B) 68% (E) 84% (J) 119% (O)
58% (C) 78% (G) 97% (M)

SHIFTER TYPE:

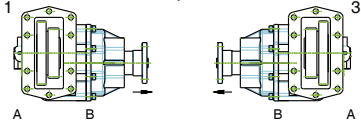
M Constant mesh

OUTPUT TYPE:

RP Rear Pump

ASSEMBLY
ARRANGEMENTS:

- 1 Right, Forward
3 Left, Forward



INPUT GEAR:

63 Allison

NOTE: rear pump adapter, bracket & wet spline kit must be ordered separately.
NOTA: Adaptador a bomba posterior, soporte correspondiente y kit de lubricación para estriado de la bomba se piden por separado

Rear Pump Adapters

Adaptadores Bomba Posterior



Description Descripción

Prolongued Shaft adapter permits mounting heavy pumps the rear adapter flange. Mounting on both sides of Gearbox. Rotatable flange for a better mounting position of the pump. Outputs available : SAE B, SAE BB, SAE C or ISO 4 bolts. Must be fitted with 3131 PTO special RP output.

Adaptador de eje prolongado, permite montar bombas pesadas sobre su brida posterior. Montaje a ambos lados de la caja de cambios. Su brida rotativa permite una posición mejor de montaje para la bomba. Disponible con salida: SAE B, SAE BB, SAE C o ISO 4. Debe montarse junto con la toma de fuerza 3131 de salida especial RP.

Main Data Datos Principales

Mounting position Lado de montaje	Left / Right / Top Derecho / Izquierdo / Superior
Weight Peso (Lb)	28Lb (13 kg)

Consult Torque and Power data in 3131 Rear Pump Technical Data Sheet
Consulte datos de Par y Potencia en la Ficha Técnica de 3131 bomba posterior

Part Number Breakdown Codificación

3190 RA**SERIES:**

3190 Bomba posterior Allison
Allison rear pump

OUTPUT TYPE:

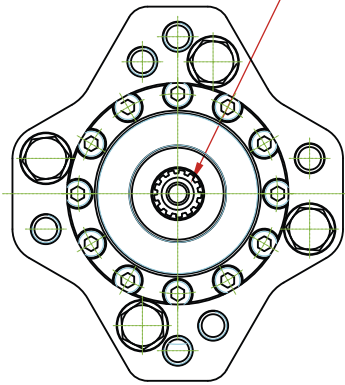
RA SAE "B" 2/4 bolt 13T. rotatable
RB SAE "BB" 2/4 bolt 15T. rotatable
RK SAE "C" 2/4 bolt 14T. rotatable
DA ISO 4 bolt

Rear Pump Adapters Adaptadores Bomba Posterior

Most standard output types Tipos de salida más utilizadas

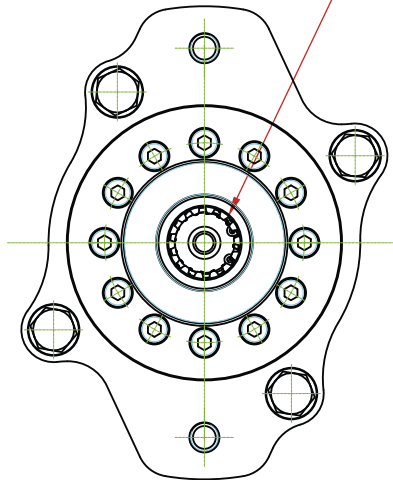
SAE "B" or / o "BB"
2/4 bolts / taladros

SAE B - 13 Teeth
SAE BB - 15 Teeth



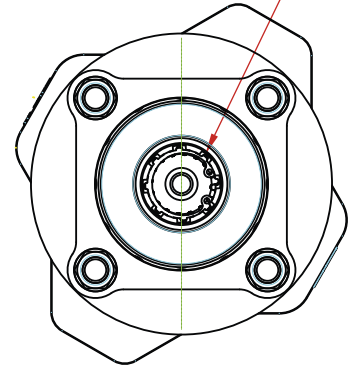
SAE "C" 2/4 bolts / taladros
+ PTO

SAE C - 14 Teeth



ISO 4 bolts / taladros
+ PTO

DIN 5462 - A8x32x36



Allison Gearbox Caja Allison	Mounting side & availability Lado de montaje y disponibilidad					
	Left Izquierdo*	Right Derecho*	Top Right Superior Derecho*			
	Up shaft Eje arriba	Bottom shaft Eje abajo	Up shaft Eje arriba	Bottom shaft Eje abajo	Up shaft Eje arriba	Bottom shaft Eje abajo
3000 (MH /RDS /TRV)	9076899	9070799	9076999	9075899	N/A	N/A
3000 (MH /RDS /TRV) + cooler	×	×	9076999	×	N/A	N/A
3000 (MH /RDS /TRV) + retarder	×	9076399	×	×	N/A	N/A
MD-3050P, MD-5550P, MD-3060P, MD-3560P, MD-3070P	×	9070799	×	9075899	N/A	N/A
MD-3050P, MD-5550P, MD-3060P, MD-3560P, MD-3070P + cooler/retarder	×	×	×	×	N/A	N/A
MD-3066P	×	9070799	×	9075899	×	×
MD-3066P + cooler / retarder	×	×	N/A	N/A	×	×
MD-3000 EVS, MD-3500 EVS	×	9070799	N/A	N/A	×	×
MD-3000 EVS, MD-3500 EVS + cooler / retarder	×	9070799	N/A	N/A	×	9075899
4000 (EVS /MH /RDS /TRV) 4500 (EVS /RDS)	×	9071399	N/A	N/A	×	9075999
4000 (EVS /MH /RDS /TRV) 4500 (EVS /RDS) + retarder	9076699	×	N/A	N/A	×	9076599
4000 (EVS /MH /RDS /TRV), 4500 (EVS /RDS) + cooler	9085799	×	N/A	N/A	×	×

(*) Bracket is not included, please order separately. Soporte no incluido, solicítelo por separado.

Side Mount, Pneumatic
Lateral, Neumático

Description Descripción

Hot shift 6 bolt 2 gears pto Pneumatic
Mounting on both sides of the Transmission.
Several internal ratios. Both possibilities of
assembly 1 and 3 in the same housing. All input
gears from 1000 / 2000 pto fit on this series.

Toma de fuerza de 6 taladros, 2 piñones
con embrague incorporado. Accionamiento
neumatico. Montaje sobre ambos lados de
la caja de cambios. Diferentes relaciones de
transmisión. Mismos engranajes de ataque que
la serie 1000/2000 cubriendo la mayoría de
cajas de cambio del mercado.



Main Data Datos Principales

Mounting position Lado de montaje	Right, Left Derecho, Izquierdo
Pump rotation Sentido de giro de la bomba	Right Derecho
Weight Peso (Lb)	44
Engine to PTO ratio Relación motor - Toma de Fuerza	See application book Consultar libro de aplicaciones

Torque working, with an engage pressure of 116 PSI or higher
Par nominal trabajando con presión de accionamiento de 8 bar

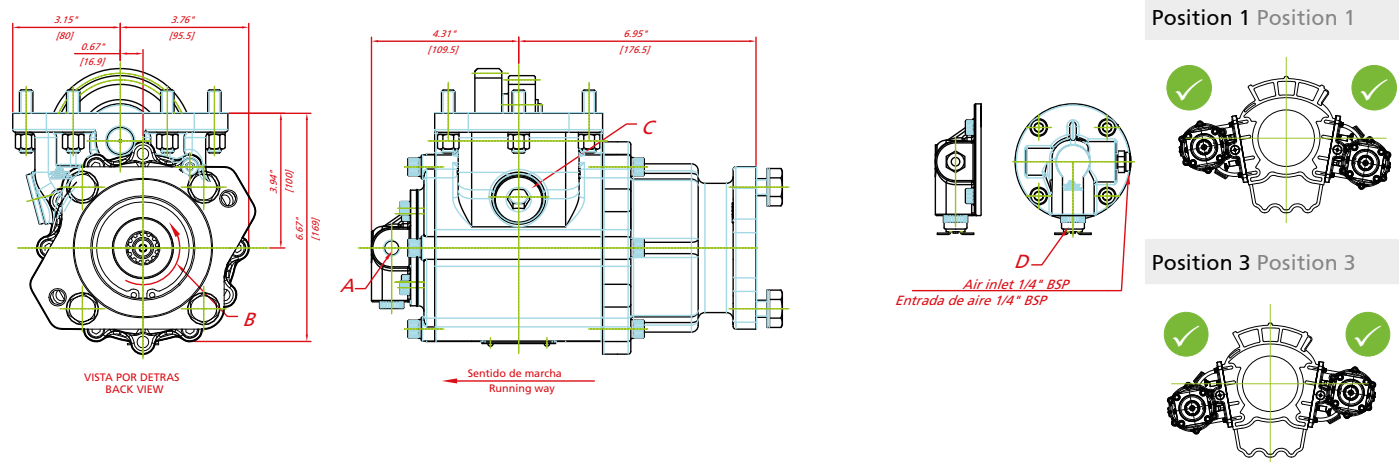
INTERNAL RATIO	INTERMITTENT SERVICE			CONTINUOUS SERVICE		
	Torque (Lb. FT)	Power (HP)		Torque (Lb. FT)	Power (HP)	
		At 500 r.p.m.	At. 1000 r.p.m.		At 500 r.p.m.	At. 1000 r.p.m.
40% (Z)	250	25	49	178	18	35
50% (A)	250	25	49	178	18	35
55% (B)	250	25	49	178	18	35
73% (C)	250	25	49	178	18	35
86% (E)	225	22	44	160	16	31
95% (J)	225	22	44	160	16	31
125% (O)	200	22	39	142	14	28

Hot Shift PTO, 6 Bolt, Universal

Side Mount, Pneumatic Lateral, Neumático

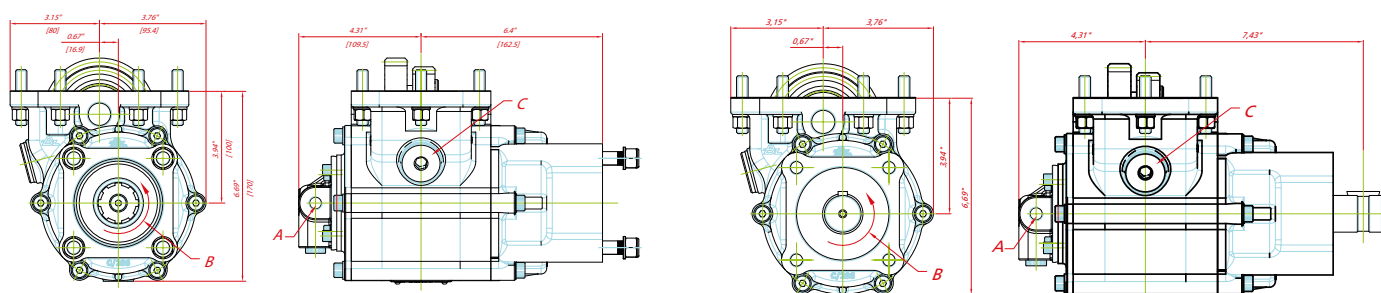
Most standard output types Tipos de salida más utilizadas

SAE "B" 2/4 bolt SAE "B" 2/4 taladros



ISO 4 bolt ISO 4 taladros

Round shaft Eje chaveteado



Notas Notes

- A Air connection BSP 1/4"
- B Rotation
- C Backlash check plug
- D Pressure switch

- A Entrada de aire 1/4" BSP
- B Sentido de giro
- C Comprobación de juego de engranajes
- D Presostato

Side Mount, Pneumatic Lateral, Neumático

Part Number Breakdown Codificación PTO

3200 X A N 01 1 SA

SERIES:

3200 6 bolt clutch PTO

VERSIONS:

X Standard
P Pressure lube idler

INTERNAL RATIOS:

(A) 1:0.50	(O) 1:1.25
(B) 1:0.55	(R) 1:1.37
(C) 1:0.73	(S) 1:1.50
(E) 1:0.80	(T) 1:1.65
(J) 1:0.95	(Z) 1:0.40

SHIFTER TYPE:

A Air with 101 air kit
N Air without 101 air kit
S Air with 126 air kit
T Air with 127 air kit
U Air kit with 128 air kit
P Electric over air, 12V

INPUT GEAR:

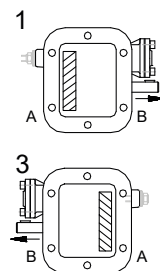
01 Fuller series (R/675)	27 Eaton / Fuller (R/692)
02 Universal (R/683))	28 Fuller (R/771)
03 Spicer (R/736)	30 Eaton / Fuller (R/698)
05 Spicer (R/677)	33 Spicer (R/697)
06 Fuller (TREMEC) (R/679)	34 Spicer (R/696)
07 Navistar (R/693)	36 New Process (R/739)
08 Spicer (R/682)	39 Warner (R/741)
09 Spicer (R/684)	41 Warner (R/743)
10 Chevy (R/678)	42 Fuller (R/770)
11 Chevy / Spicer (R/699)	50 ZF (R/700)
13 New Process (R/718)	51 Dodge (R/702)
14 Fuller (R/737)	52 Zed / F (R/700)
15 Eaton / Fuller FS-4005C/4205C (R/717)	55 Mack / Renault (R/748)
16 ZF (R/716)	57 ZF (R/740)
17 Eaton 6305 A (R/680)	61 Ford (R/754)
18 Eaton FS 3005 / 4005 AB (R/717)	66 Fuller (R/862)
20 Dodge (R/701)	68 Tremec (R/897)
21 ZF S5-42/5.72 (R/676)	
22 Eaton / Fuller (R/738)	
23 Eaton / Fuller FS-3005 B (R/714)	
24 Mack (R/695)	
25 Eaton / Fuller FS 7206 A (R/715)	

OUTPUT TYPE:

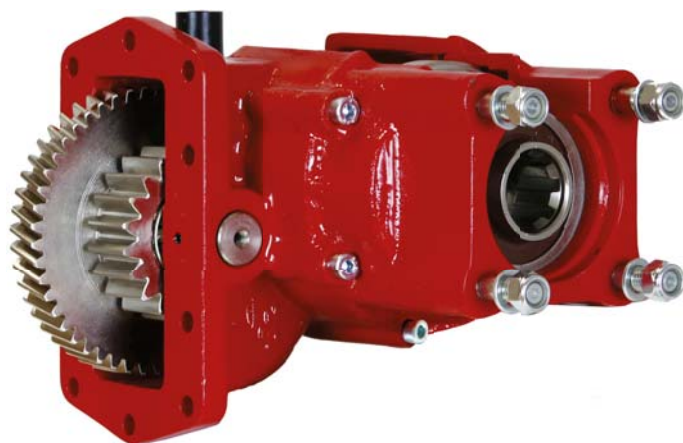
DA ISO 4 bolt
FA Flange SAE 1100
IB Flange SAE 1300
IC Flange DIN 100
SA SAE "B" 2/4 bolt 13T.
SB SAE "BB" 2/4 bolt 15T.
SE SAE type 1 ¼ round shaft
SG SAE type 1 ½ round shaft

MOUNTING POSITION:

1 Right, Forward
3 Left, Forward



Description Descripción



Hot Shift, 2 gear Power Take-off, with low profile. Hydraulic shifting and internal lubrication. Mounting on both sides of Transmission. Wide range of internal ratios and most output options: SAE B, SAE BB or ISO 4 bolts.

Toma de fuerza de 2 piñones, con embrague incorporado, accionamiento hidráulico y lubricación interna. Montaje sobre ambos lados de la caja de cambios. Amplia gama de relaciones internas. Disponible con los tipos mas usuales de salida: SAE B, SAE BB o ISO 4 taladros.

Main Data Datos Principales

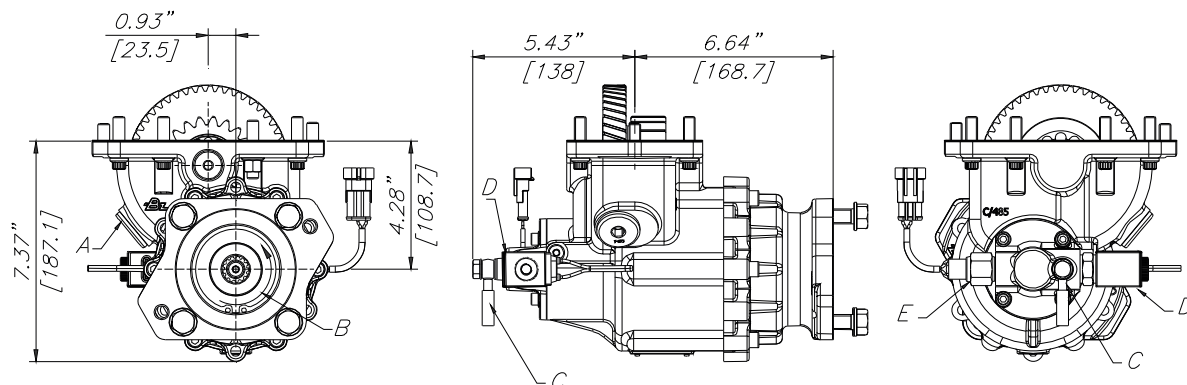
Mounting position Lado de montaje	Right, Left Derecho, Izquierdo
Weight Peso (Lb)	53

Engine to PTO ratio (See application book) Relación motor - Toma de Fuerza (Consultar libro de aplicaciones)

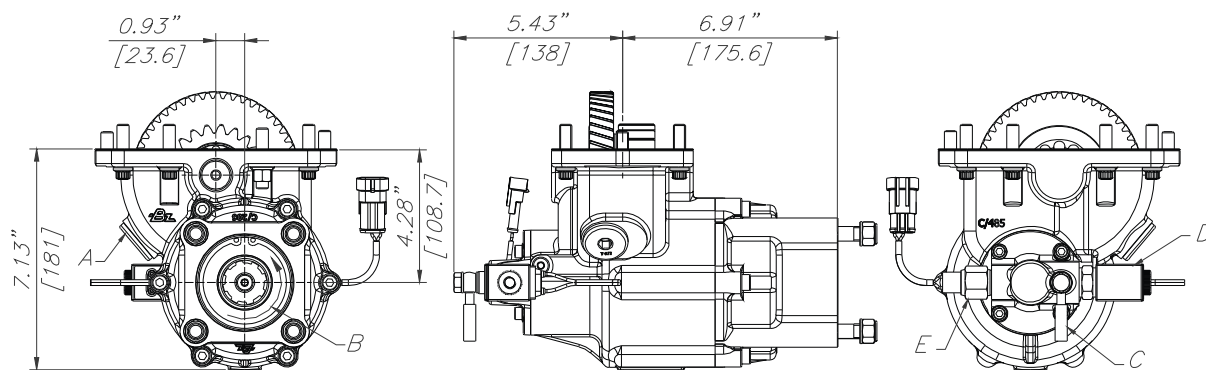
INTERNAL RATIO	INTERMITTENT SERVICE			CONTINUOUS SERVICE		
	Torque (Lb. FT)	Power (HP)		Torque (Lb. FT)	Power (HP)	
		At 500 r.p.m.	At. 1000 r.p.m.		At 500 r.p.m.	At. 1000 r.p.m.
51%(A)	410	39	78	310	30	59
54%(B)	410	39	78	310	30	59
59%(C)	400	38	76	300	29	57
70%(E)	380	36	72	280	27	54
76% (G)	360	34	68	260	25	50
82% (J)	340	33	65	250	24	48
96% (M)	320	31	61	230	22	44
122% (O)	270	26	51	200	19	38

Standard output types Tipos de salida más utilizadas

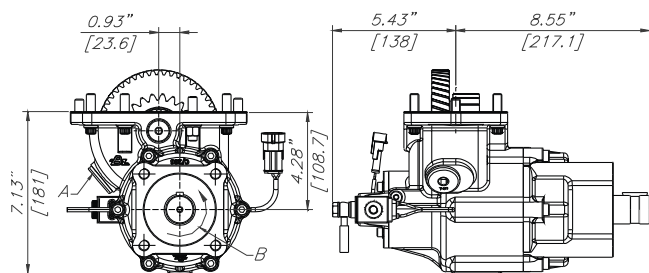
SAE "B"2/4 bolt SAE "B"2/4 taladros



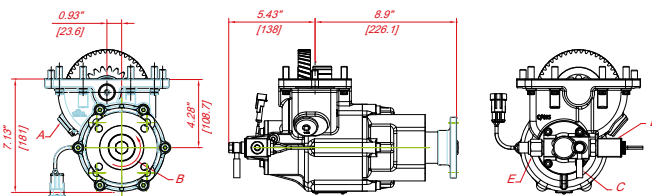
ISO 4 bolt ISO 4 taladros



Round Shaft Eje chaveteado



Drive Flange Plato de Transmisión



Notas Notes

A	Backlash check plug	A	Comprobación juego de engranajes
B	Rotation	B	Sentido de giro
C	Shifting hose	C	Latiguillo de accionamiento
D	Solenoid 14V DC (24V DC Optional)	D	Solenoide 14V DC (24V DC Opcional)
E	Pressure switch	E	Presostato

Part Number Breakdown Codificación PTO

3252 P B E 63 3 SA

SERIES:

3252 Allison 10 bolts

VERSIONS:

P Pressure lube idler

INTERNAL RATIOS:

51% (A)
54% (B)
59% (C)
70% (E)
76% (G)
82% (J)
96% (M)
122% (O)

SHIFTER TYPE:

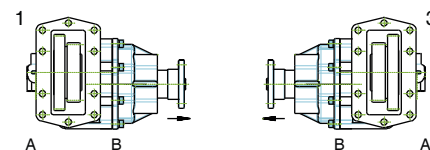
E Electric 14V. over hydraulic
F Electric 24V. over hydraulic
T Electric 14V. over hydraulic, without wiring kit
V Electric 24V. over hydraulic, without wiring kit

OUTPUT TYPE:

DA ISO 4 bolt
IB Flange SAE 1310
IC Flange SAE 1410
ID Flange DIN 100
SA SAE "B" 2/4 bolt 13T
SB SAE "BB" 2/4 bolt 15T
SE SAE 1 1/4" round shaft

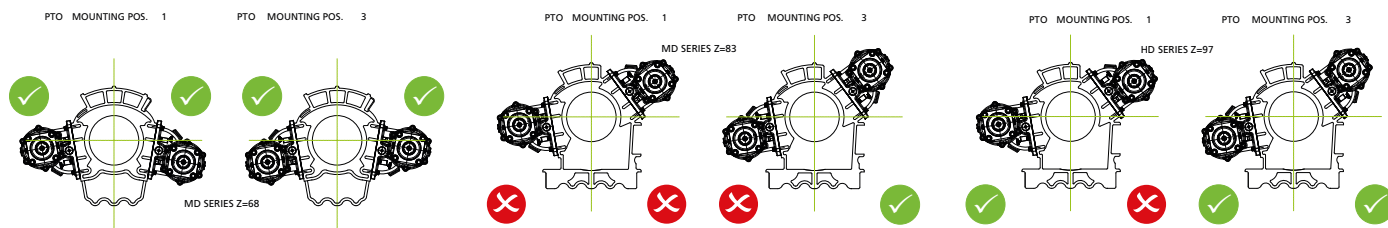
ASSEMBLY ARRANGEMENTS:

1 Right, Forward
3 Left, Forward



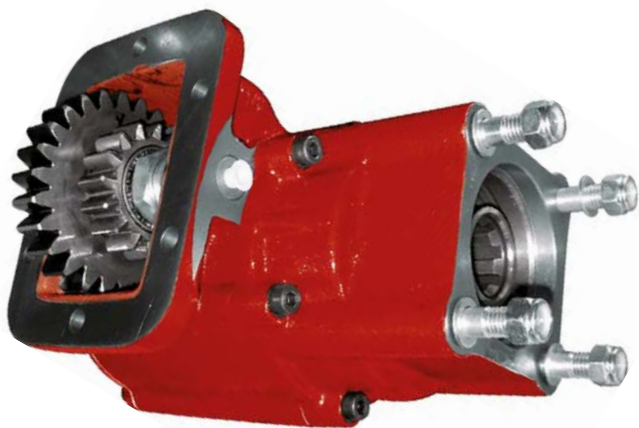
INPUT GEAR:

63 Allison



Side Mount, Hydraulic
Lateral, Hidráulico

Description Descripción



Hot shift 6 bolt 2 gears pto. Only hydraulic shifting Mounting on both sides of the Transmission. Several internal ratios and output types. Both possibilities of assembly (1 and 3) in one housing. With 3300 Series is possible to work with shaft-top or shaft-bottom in both sides right or left.

Toma de fuerza de 6 taladros, 2 piñones con embrague incorporado. Solo accionamiento hidráulico. Montaje sobre ambos lados de la caja de cambios (posiciones 1 y 3) con una única carcasa. Diferentes relaciones de transmisión y tipos de salida. Con la serie 3300 es posible montar el eje de salida hacia arriba o hacia abajo.

Main Data Datos Principales

Mounting position Lado de montaje	Right, Left Derecho, Izquierdo
Pump rotation Sentido de giro de la bomba	Left Izquierdo
Weight Peso (Lb)	48
Engine to PTO ratio Relación motor - Toma de Fuerza	See application book Consultar libro de aplicaciones

Torque working, with an engage pressure of 116 PSI or higher
Par nominal trabajando con presión de accionamiento de 8 bar

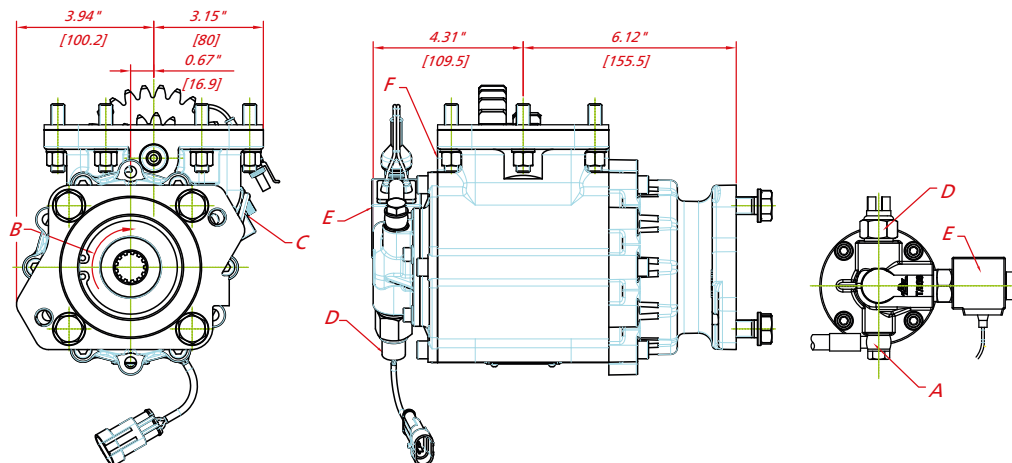
INTERNAL RATIO	INTERMITTENT SERVICE			CONTINUOUS SERVICE		
	Torque (Lb. FT)	Power (HP)		Torque (Lb. FT)	Power (HP)	
		At 500 r.p.m.	At. 1000 r.p.m.		At 500 r.p.m.	At. 1000 r.p.m.
40% (Z)	250	25	49	178	18	35
50% (A)	250	25	49	178	18	35
55% (B)	250	25	49	178	18	35
73% (C)*	250	25	49	178	18	35

*C ratio: 73% - Aisin, 58% - Allison

Side Mount, Hydraulic
Lateral, Hidráulico

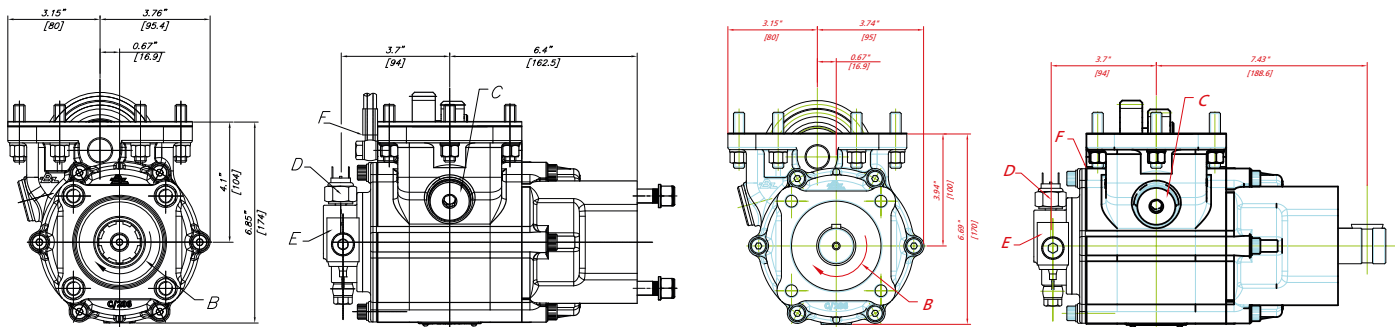
Most standard output types Tipos de salida más utilizadas

SAE "B" 2/4 bolt SAE "B" 2/4 taladros



ISO 4 bolt ISO 4 taladros

Round shaft Eje chaveteado



Notas Notes

A	Shifting hose	A	Latiguillo de accionamiento
B	Rotation	B	Sentido de giro
C	Backlash check plug	C	Comprobación de juego de engranajes
D	Pressure switch	D	Presostato
E	Solenoid standard 14V (24V optional)	E	Solenoid estándar 14V (24V opcional)
F	Lubrication hose	F	Latiguillo de lubricación

Side Mount, Hydraulic
Lateral, Hidráulico

Part Number Breakdown Codificación PTO

3300 P A E 64 1 SA

SERIES:

3300 6 bolt clutch PTO

VERSIONS:

P Greasable Idler shaft
H Special Lube Kit (Hino)

INTERNAL RATIOS:

(A) 1:0.50
(B) 1:0.55
(Z) 1:0.40
(...)

SHIFTER TYPE:

E Electric 14V. over hydraulic
F Electric 24V. over hydraulic
T Electric 14V. over hydraulic, without wiring kit
V Electric 24V. over hydraulic, without wiring kit

INPUT GEAR:

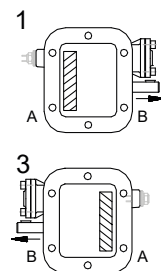
64 Allison
67 Aisin

OUTPUT TYPE:

DA ISO 4 bolt
IB Flange SAE 1300
IC Flange SAE 1400
ID Flange DIN 100
SF SAE "Aww" 2 bolt 9T
SA SAE "B" 2/4 bolt 13T.
SB SAE "BB" 2/4 bolt 15T.
SE SAE type 1 1/4 round shaft

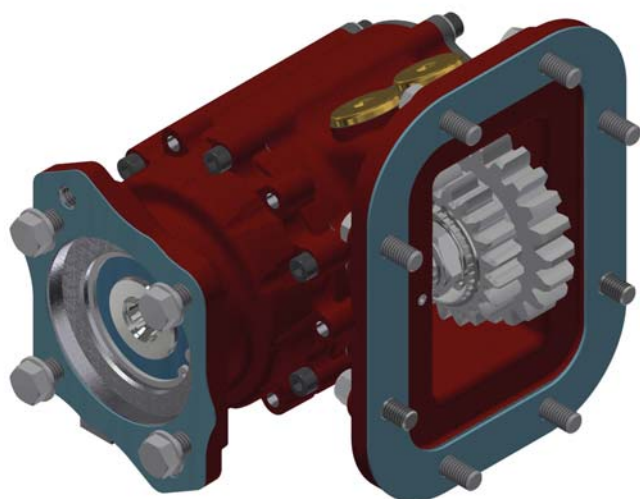
MOUNTING POSITION:

1 Right, Forward
3 Left, Forward



Hot Shift PTO, 8 Bolt, Universal

Bottom, Pneumatic
Inferior, Neumático



Description Descripción

Hot shift 8 bolt 2 gears Pneumatic, bottom PTO. Several internal ratios. Both possibilities of assembly 1 and 3 in the same housing. All input gears from 1000 / 2000 pto fit on this series.

Toma de fuerza de 8 taladros, 2 piñones con embrague incorporado. Accionamiento neumático Diferentes relaciones de transmisión. Mismos engranajes de ataque que la serie 1000/2000 cubriendo la mayoría de cajas de cambio del mercado.

Main Data Datos Principales

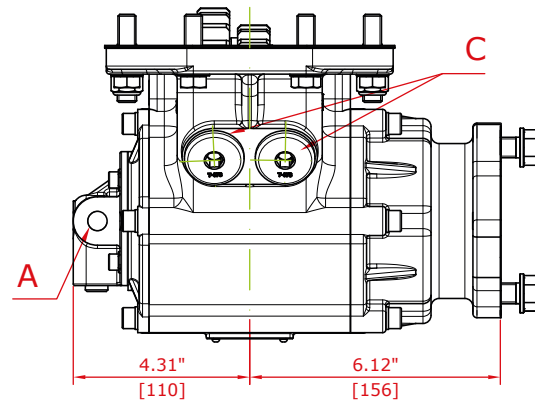
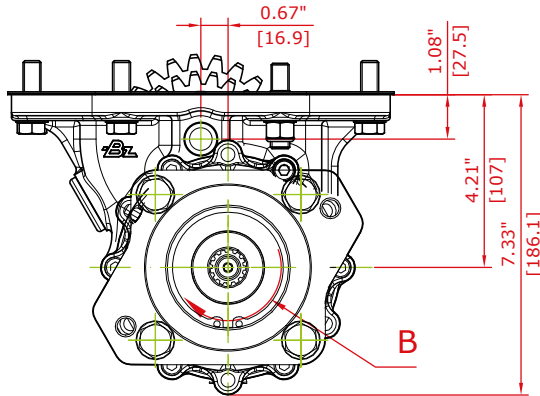
Mounting position Lado de montaje	Bottom, Right, Left Inferior, Derecho, Izquierdo
Pump Rotation Sentido de giro de la bomba	Left Izquierdo
Weight Peso (Lb)	60
Engine to PTO ratio Relación motor - Toma de Fuerza	See application book Consultar libro de aplicaciones

Torque working, with an engage pressure of 116 PSI or higher
Par nominal trabajando con presión de accionamiento de 8 bar

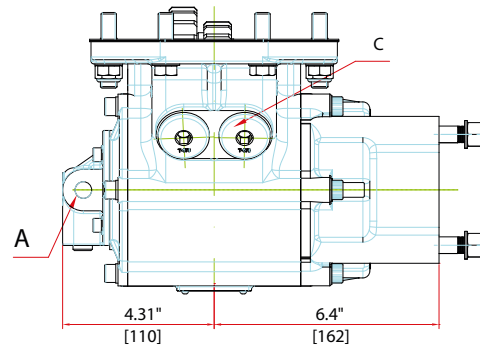
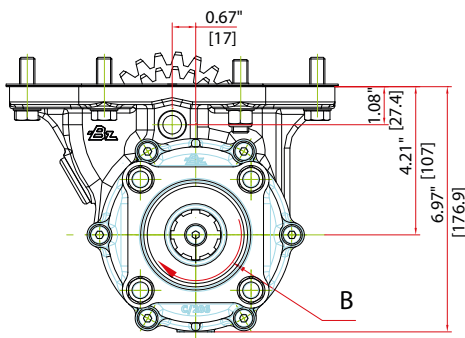
INTERNAL RATIO	INTERMITTENT SERVICE			CONTINUOUS SERVICE		
	Torque (Lb. FT)	Power (HP)		Torque (Lb. FT)	Power (HP)	
		At 500 r.p.m.	At. 1000 r.p.m.		At 500 r.p.m.	At. 1000 r.p.m.
40% (Z)	250	25	49	178	18	35
50% (A)	250	25	49	178	18	35
55% (B)	250	25	49	178	18	35
73% (C)	250	25	49	178	18	35
86% (E)	225	22	44	160	16	31
95% (J)	225	22	44	160	16	31
125% (O)	200	22	39	142	14	28

Bottom, Pneumatic
Inferior, Neumático

SAE "B" 2/4 bolt SAE "B" 2/4 taladros



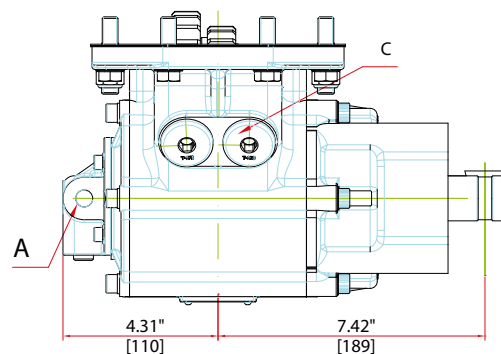
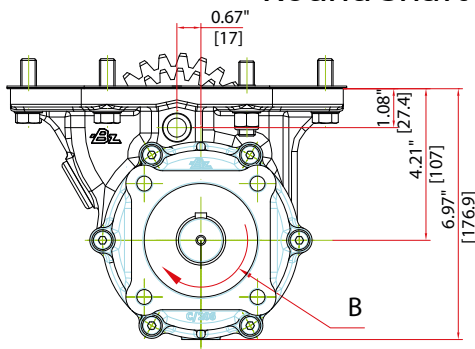
ISO 4 bolt ISO 4 taladros



VISTA POR DETRAS
BACK VIEW

Sentido de marcha
Running way

Round Shaft Eje chaveteado



VISTA POR DETRAS
BACK VIEW

Sentido de marcha
Running way

Notas Notes

A	Air connection BSP 1/4"	A	Entrada de aire 1/4" BSP
B	Rotation	B	Sentido de giro
C	Backlash check plug	C	Comprobación de juego de engranajes

Hot Shift PTO, 8 Bolt, Universal

Bottom, Pneumatic
Inferior, Neumático

Part Number Breakdown Codificación PTO

3800 X A N 01 1 SA

SERIES:

3800 8 bolt clutch PTO
3810 8 bolt clutch PTO deep mount

VERSIONS:

X Standard

INTERNAL RATIOS:

(A) 1:0.50	(O) 1:1.25
(B) 1:0.55	(R) 1:1.37
(C) 1:0.73	(S) 1:1.50
(E) 1:0.86	(T) 1:1.65
(J) 1:0.95	(Z) 1:0.40

SHIFTER TYPE:

A Air with 101 air kit
N Air without 101 air kit

INPUT GEAR: (Z = 35)

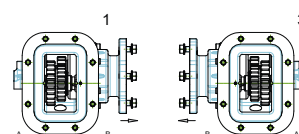
01 Fuller series (R/675)	27 Eaton / Fuller (R/692)
02 Universal (R/683)	28 Fuller (R/771)
03 Spicer (R/736)	30 Eaton / Fuller (R/698)
05 Spicer (R/677)	33 Spicer (R/697)
06 Fuller (TREMEC) (R/679)	34 Spicer (R/696)
07 Navistar (R/693)	36 New Process (R/739)
08 Spicer (R/682)	39 Warner (R/741)
09 Spicer (R/684)	41 Warner (R/743)
10 Chevy (R/678)	42 Fuller (R/770)
11 Chevy / Spicer (R/699)	50 ZF (R/700)
13 New Process (R/718)	51 Dodge (R/702)
14 Fuller (R/737)	52 Zed / F (R/700)
15 Eaton / Fuller FS-4005C/4205C (R/717)	55 Mack / Renault (R/748)
16 ZF (R/716)	57 ZF (R/740)
17 Eaton 6305 A (R/680)	61 Ford (R/754)
18 Eaton FS 3005 / 4005 AB (R/717)	64 Allison (R/752)
20 Dodge (R/701)	66 Fuller (R/862)
21 ZF S5-42/5.72 (R/676)	67 Aisin (R/870)
22 Eaton / Fuller (R/738)	68 Tremec (R/897)
23 Eaton / Fuller FS-3005 B (R/714)	75 Endurant (G/210)
24 Mack (R/695)	
25 Eaton / Fuller FS 7206 A (R/715)	

OUTPUT TYPE:

DA ISO 4 bolt
IB Flange SAE 1300
IC Flange SAE 1400
ID Flange DIN 100
SA SAE "B" 2/4 bolt 13T
SB SAE "BB" 2/4 bolt 15T
SE SAE type 1 1/4 round shaft
SF SAE "A" 2 bolt rotatable

MOUNTING POSITION:

1 Right, Forward
3 Left, Forward



Side Mount, Hydraulic
Lateral, Hidráulico

Description Descripción

Hot shift PTO used in the 6-speed pick up vehicles, SAE A (9 teeth, 11 teeth and 13 teeth) & 1 1/4" round shaft are available. Two mounting positions for SAE A gear pumps & 60 x 60 flange gear pumps mounting.

Toma de fuerza con embrague incorporado utilizada en los vehiculos pick up de 6 velocidades. Disponible en salida SAE A (Z=9, Z=11 y Z=13) y eje chaveteado 1 1/4". Dos posiciones de montaje para bombas SAE A ademas permite el montaje de bombas con brida 60 x 60.

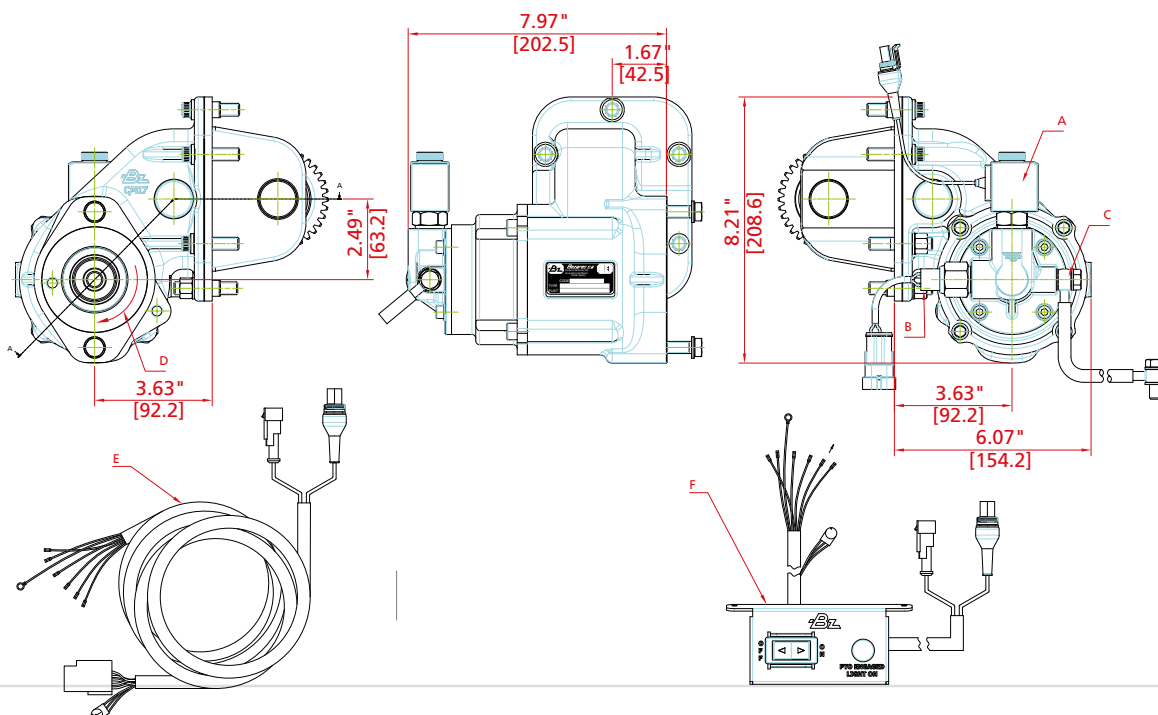
Main Data		Datos Principales		
Torque (LB. FT.)	Par nominal	Continuous	Continuo	140
		Intermittent	Intermitente	200
Power	Potencia (HP) @ 1000 rpm	27		
Mounting position	Lado de montaje	Left	Izquierdo	
Pump rotation	Sentido de giro de la bomba	Left	Izquierdo	
Weight	Peso (Lb)	36		
Engine to PTO ratio	Relación motor - Toma de fuerza	125%		

Codes and combinations		Códigos y combinaciones			
Output types	Tipos de salida	SAE A (9 teeth)	SAE 1 1/4" round shaft	SAE A (11 teeth)	SAE A (13 teeth)
Part Number	Codigo	3920PEE713SF	3920PEE713SE	3920PEE713SH	3920PEE713SI

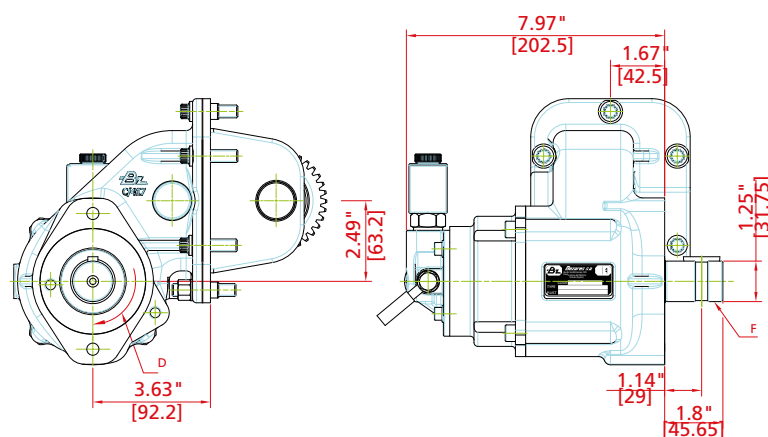
Ford 6R140 (MY 2011 SUPER DUTY)

Side Mount, Hydraulic
Lateral, Hidráulico

SAE A



DRIVE SHAFT



Notas		Notes	
A	Solenoid 12V.	A	Solenoide 12V.
B	Pressure switch	B	Presostato
C	Shifting hose	C	Latiguillo de accionamiento
D	Rotation	D	Sentido de giro
E	Standard wire harness P/N. 9097599	E	Kit de accionamiento estándar (9097599)
F	Optional wire harness P/N. 9060599	E	Kit de accionamiento opcional (9060599)

Side Mount, Hydraulic
Lateral, Hidráulico



Description Descripción

The PTO 3940 Series PTO is a unique hot shift unit that offers a DIN 5462 output shaft option as standard. It has a robust low profile housing that allows for ease of installation and rotation of pumps for clearance benefits. The special 3940 design also allows for a variety of other pump and driveline output adapter options.

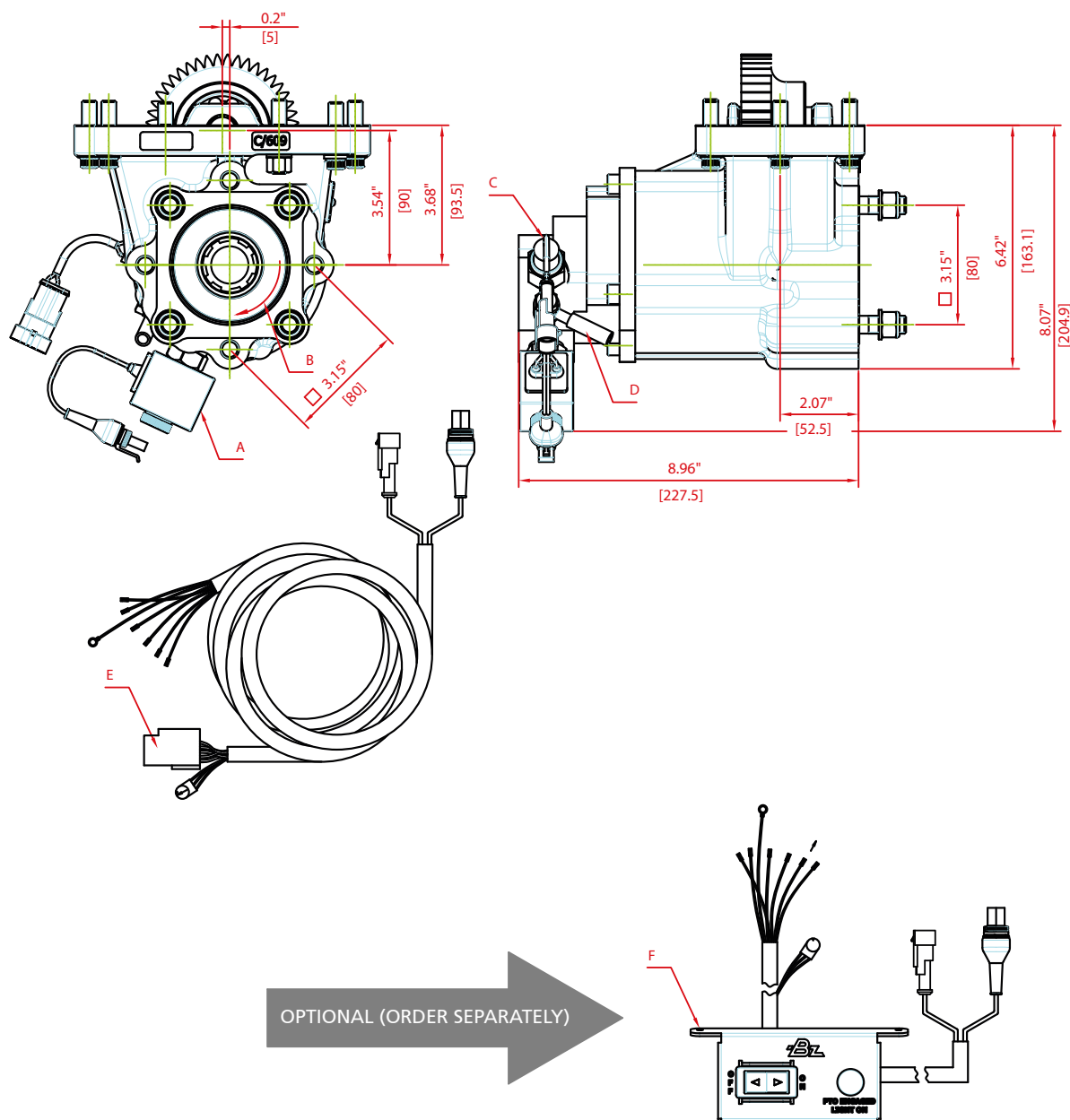
La serie 3940 es una Toma de Fuerza única para estos vehículos, que ofrece de serie una salida con norma DIN 5462. Su robusta carcasa de perfil rebajado permite una mayor facilidad de instalación, evitando interferencias con otras partes del vehículo. El diseño especial de 3940 permite adaptarla a otros tipos de salida.

Main Data		Datos Principales	
Max. Torque (LB. FT.)	Par máximo	230	
Power	Potencia (HP) @ 1000 rpm	44	
Mounting position	Lado de montaje	Left	Izquierdo
Pump rotation	Sentido de giro de la bomba	CCW	Izquierdo
Weight	Peso (Lb)	36	
Engine to PTO ratio	Relación motor - Toma de fuerza	130%	

Ford TorqShift 10 speed - 10R-140

Side Mount, Hydraulic
Lateral, Hidráulico

DIN5462 ISO 4 Bolts - 2 Positions



Notas Notes

A	Solenoid 14V.	A	Solenoide 14V.
B	Rotation	B	Sentido de giro
C	Pressure switch	C	Presostato
D	Shifting hose	D	Latiguillo de accionamiento
E	Standard wire harness P/N. 9097599	E	Kit de accionamiento estándar (9097599)
F	Optional wire harness P/N. 9094999	F	Kit accionamiento opcional (9094999)

Side Mount, Hydraulic
Lateral, Hidráulico

Part Number Breakdown Codificación PTO

3940 P O E 78 3 DA

SERIES:

3940

VERSIONS:

P Pressure Lube

RATIO:

(O) 1:1.15

SHIFTING TYPE:

E- 14V. Electric over Hydraulic (**)

**.- Standard wire harness without rocker switch.

Optional wire harness with rocker switch P/N. 9094999 sold separately

OUTPUT TYPE:

DA - DIN 5462 ISO 4 bolt (*)

(Output a dapter Kits sold separately. See below)

*. - On 4x4 chassis: Max. Pump Size: FR 8.4

*.- On 4x2 chassis: Max. Pump Size: FR 15.8

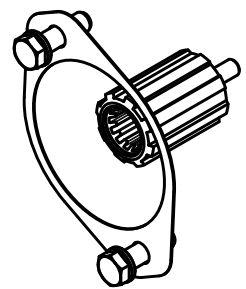
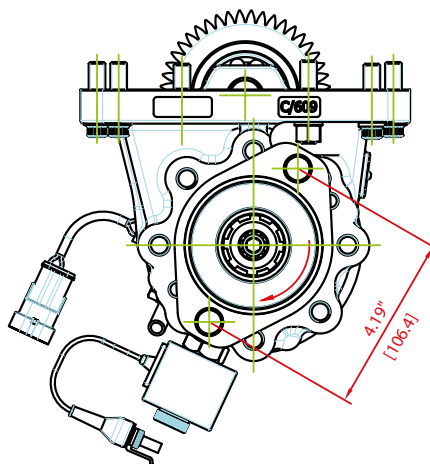
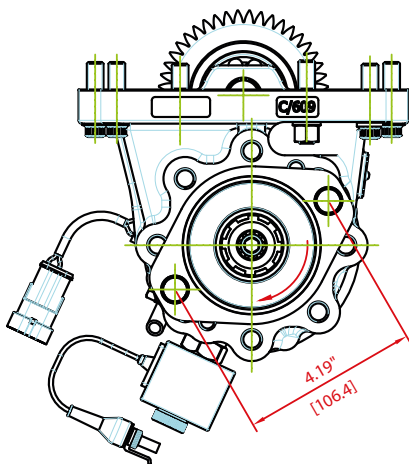
MOUNTING POSITION:

3 - Left, Forward

INPUT GEAR: (Z = 35)

78 - Ford 10R140

SAE A 2 Bolts - 2 Positions



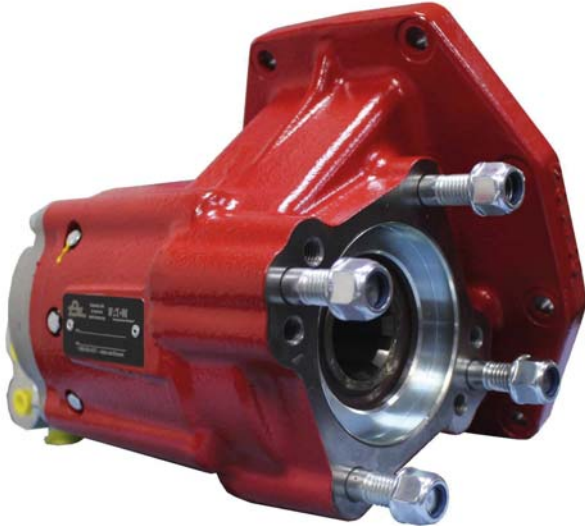
Conversion kits

P/N 806635 - SAE A 3/4" 11T

P/N 806735 - SAE A 5/8" 9T

P/N 806835 - SAE A 7/8" 13T

Side Mount, Hydraulic
Lateral, Hidráulico



Description Descripción

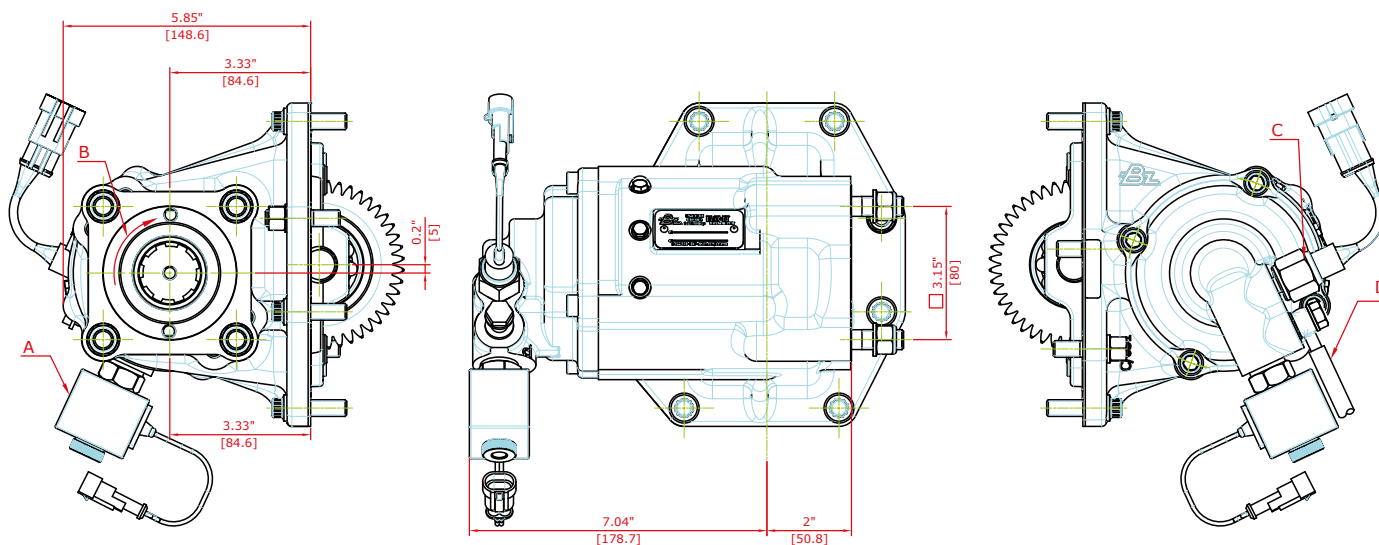
The 3960 Series PTO is a hot shift unit with a robust low-profile housing that allows an easy installation, avoiding interference issues on the vehicle. It offers a DIN 5462 output shaft as standard, as well as other output adapters as optional.

Toma de Fuerza con embrague incorporado con robusta carcasa de perfil rebajado para una fácil instalación, evitando así problemas de interferencia con el vehículo. Ofrece de serie una salida con norma DIN 5462 y opcionalmente adaptadores para otros tipos de salida.

Main Data		Datos Principales	
Max. Torque (LB. FT.)	Par máximo	260	
Power	Potencia (HP) @ 1000 rpm	50	
Mounting position	Lado de montaje	Left	Izquierdo
Pump rotation	Sentido de giro de la bomba	CCW	Izquierdo
Weight	Peso (Lb)	36.5	
Engine to PTO ratio	Relación motor - Toma de fuerza	130%	

Side Mount, Hydraulic
Lateral, Hidráulico

DIN5462 ISO 4 Bolts - 2 Positions



Notas Notes

A	Solenoid 14V.	A	Solenoide 14V.
B	Rotation	B	Sentido de giro
C	Pressure switch	C	Presostato
D	Shifting hose	D	Latiguillo de accionamiento

Ford TorqShift 10 speed - 10R-140HD Super Duty (8 Bolts) F650-F750

3960
Series

Side Mount, Hydraulic Lateral, Hidráulico

Part Number Breakdown Codificación PTO

3960 P O E 78 3 DA

SERIES:

3960

VERSIONS:

P Pressure Lube

RATIO:

(O) 1:1.15

SHIFTING TYPE:

E- 14V. Electric over Hydraulic (**)

**.- Standard wire harness without rocker switch.

Optional wire harness with rocker switch P/N. 9094999 sold separately

OUTPUT TYPE:

DA - DIN 5462 ISO 4 bolt (*)
(Output a dapter Kits sold separately. See below)

*.- On 4x4 chassis: Max. Pump Size: FR 8.4

*.- On 4x2 chassis: Max. Pump Size: FR 15.8

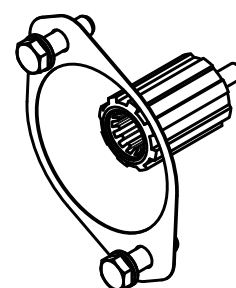
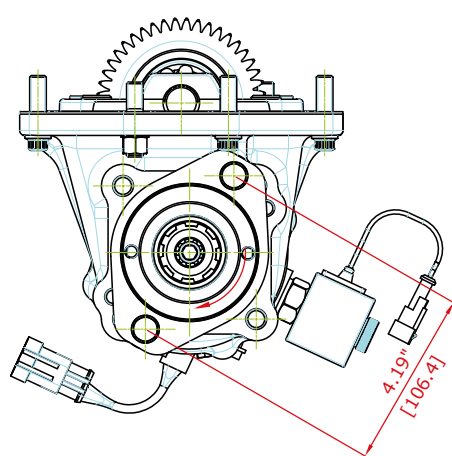
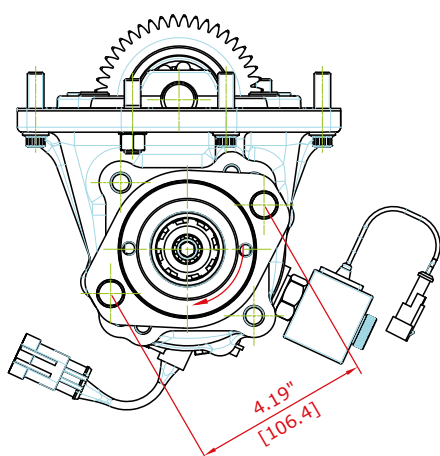
MOUNTING POSITION:

3 - Left, Forward

INPUT GEAR: (Z = 35)

78 - Ford 10R140

SAE A 2 Bolts - 2 Positions



Conversion kits

P/N 806635 - SAE A 3/4" 11T

P/N 806735 - SAE A 5/8" 9T

P/N 806835 - SAE A 7/8" 13T

Pneumatic
Neumático



Description Descripción

Power Take-off designed for very heavy duty application, low profile two gears, different transmission ratio. Pneumatic shifting. Also available in position 1 and 3.

Toma de fuerza diseñada para aplicaciones de trabajo muy pesado, con varias relaciones de transmisión, accionamiento neumático, disponible en posición 1 y 3.

Main Data Datos Principales

Mounting position Lado de montaje	Bottom left Izquierdo inferior
Weight Peso (Lb)	44

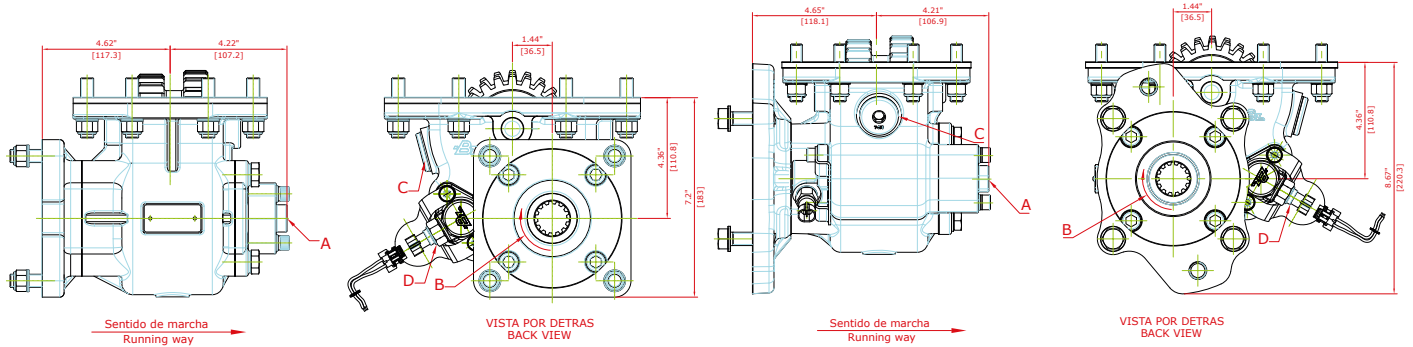
Engine to PTO ratio (See application book)
Relación motor - Toma de Fuerza (Consultar libro de aplicaciones)

INTERNAL RATIO	INTERMITTENT SERVICE			CONTINUOUS SERVICE		
	Torque (Lb. FT)	Power (HP)		Torque (Lb. FT)	Power (HP)	
		At 500 r.p.m.	At. 1000 r.p.m.		At 500 r.p.m.	At. 1000 r.p.m.
57%(B)	470	45	90	340	33	65
70%(C)	470	45	90	340	33	65
86%(E)	470	45	90	340	33	65
105%(J)	400	39	77	300	29	58

Standard output types Tipos de salida más utilizadas

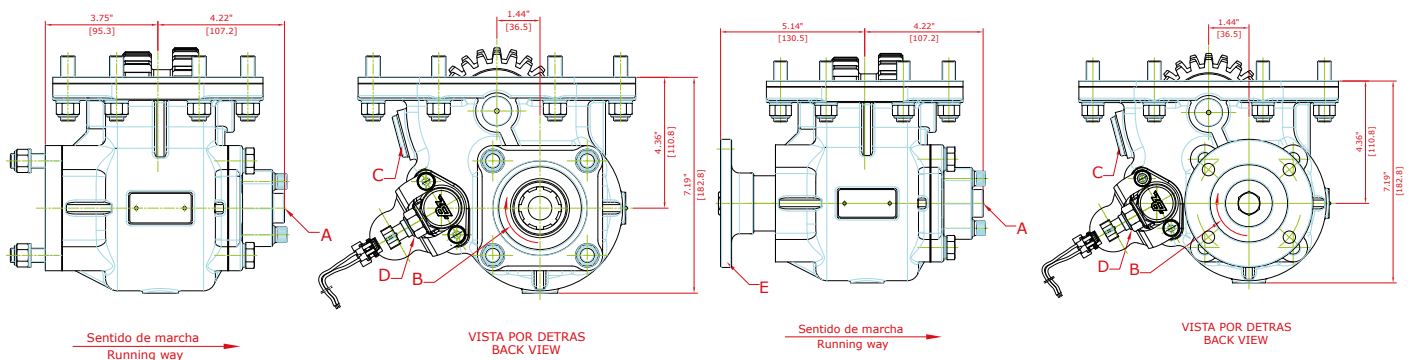
SAE "C" 4 bolts SAE "C" 4 taladros

SAE "C" 2 1/4 bolts SAE "C" 2 1/4 taladros



ISO 4 bolts ISO 4 taladros

Drive Flange Plato de Transmisión



Notas Notes

A	Air connection, thread 1/4" BSP
B	Rotation
C	Backlash check plug
D	Indicator switch
E	Drive flange

A	Toma de aire, rosca 1/4" GAS
B	Sentido de giro
C	Tapón comprobación juego de engranajes
D	Indicador de funcionamiento
E	Plato de transmisión

Part Number Breakdown Codificación PTO

4100 X B N 01 1 RJ

SERIES:

4100 Standard mounting, 8 bolt
4110 Deep mounting, 8 bolt

VERSIONS:

X Standard

INTERNAL RATIOS:

57% (B)
70% (C)
86% (E)
105% (J)

SHIFTER TYPE:

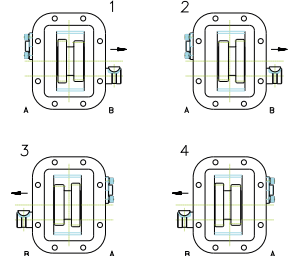
A Air with 101 air kit
N Air without 101 air kit

OUTPUT TYPE:

DA ISO 4 bolt
IC Flange SAE 1400
RB SAE B, 2/4 bolt, 15T rotatable
RJ SAE C 4 bolt (14 teeth)
RK SAE C 2/4 bolt
SE SAE type 1 1/4" round shaft
SG SAE B, 2/4 bolt, 14T.

ASSEMBLY ARRANGEMENTS:

- 1** Right, Forward
- 2** Right, Rear
- 3** Left, Forward
- 4** Left, Rear



INPUT GEAR:

01 Fuller series
24 Mack
75 Endurant HD
77 Endurant XD, XD Pro

SAE 8 Hole, 2 independent outputs

PTO SAE 8 Taladros, 2 salidas independientes

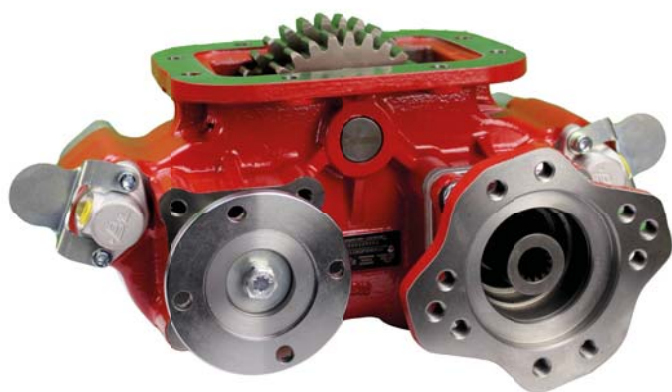
4250
Series

Pneumatic
Neumático

Description Descripción

PTO with two independent outputs and many output shaft types: SAE B, SAE C, round shaft, etc. Different internal ratios make it useful for many applications.

Toma de fuerza con dos salidas independientes, con posibilidad de salidas para muchos tipos de eje: SAE B, SAE C, eje chaveteado, etc. Diferentes relaciones internas para diferentes tipos de aplicaciones.



Main Data Datos Principales

Mounting position Lado de montaje		Bottom Inferior
Weight Peso (Lb)		75
Maximum output torque with the two output working simultaneously Par máximo de salida con las 2 salidas trabajando simultáneamente	Intermittent Intermitente	500 Lb. ft
	Continuous Continuo	400 Lb. ft

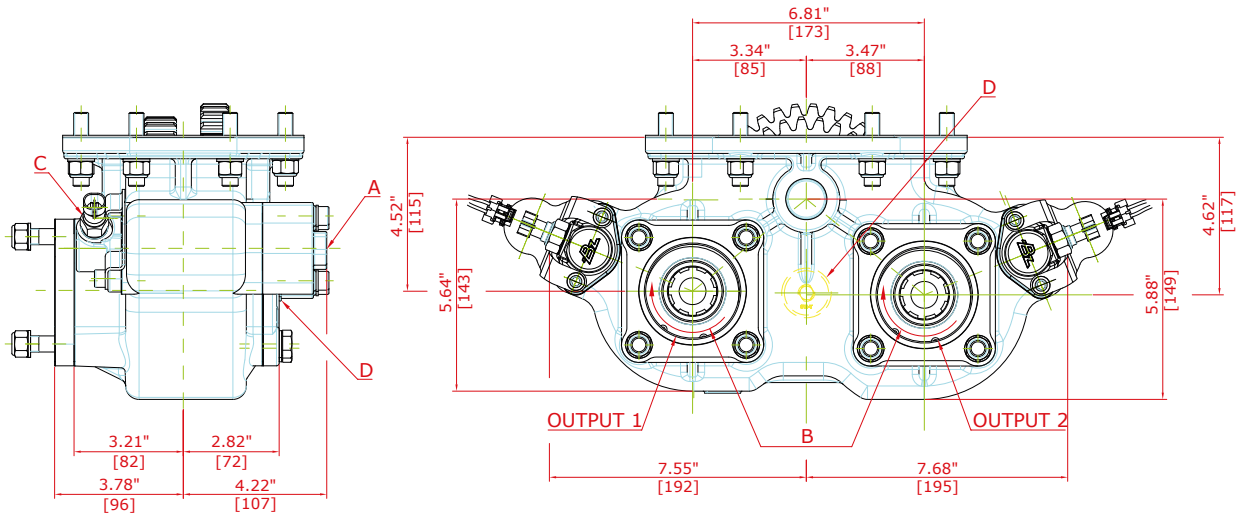
Engine to PTO ratio (See application book)

Relación motor - Toma de Fuerza (Consultar libro de aplicaciones)

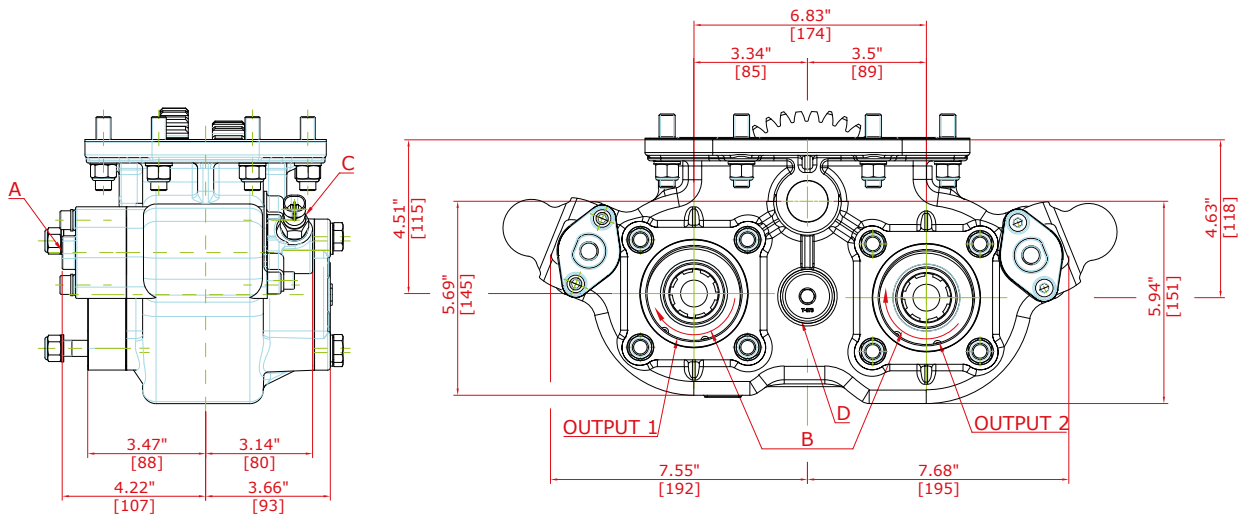
OUTPUT	INTERNAL RATIO	INTERMITTENT SERVICE			CONTINUOUS SERVICE		
		Torque (Lb. FT)	Power (HP)		Torque (Lb. Ft)	Power (HP)	
			At 500 r.p.m.	At. 1000 r.p.m.		At 500 r.p.m.	At. 1000 r.p.m.
1C	96%	420	40	80	300	29	57
2B	89%	420	40	80	300	29	57
1E	112%	400	38	76.5	285	27	54.5
2C	104%	420	40	80	300	29	57
1J	132%	380	36	73	270	26	52
2E	121%	400	38	76.5	285	27	54.5
1O	168%	350	33	67	250	24	48
2J	152%	380	36	73	270	26	52

Pneumatic
Neumático

FULLER



ENDURANT XD



Notas Notes

A	Air connection, thread 1/4" BSP	A	Toma de aire, rosca 1/4" GAS
B	Rotation	B	Sentido de giro
C	Indicator switch	C	Indicador de funcionamiento
D	Backlash check plug	D	Tapón comprobación juego engranajes

SAE 8 Hole, 2 independent outputs

PTO SAE 8 Taladros, 2 salidas independientes

4250
Series

Pneumatic
Neumático

Part Number Breakdown Codificación PTO

4250 X CB N 01 3 DA DA

SERIES:

4250 Standard mounting

VERSIONS:

X Standard

INTERNAL RATIOS:

(CB) Output 1: 96% Output 2: 89%
(EC) Output 1: 112% Output 2: 104%
(JE) Output 1: 132% Output 2: 121%
(OJ) Output 1: 168% Output 2: 152%

SHIFTER TYPE:

A Air with 101 air kit
N Air without 101 air kit

OUTPUT 1

OUTPUT 2

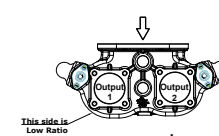
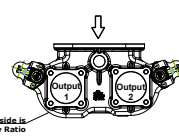
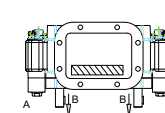
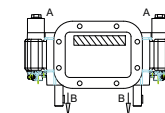
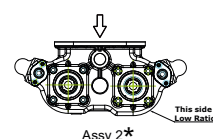
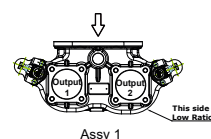
OUTPUT TYPE:

DA ISO 4 bolt
RJ SAE C. 4 bolt (14 teeth)
SE SAE type 1 1/4" round shaft
SG SAE B, 2/4 bolt, 14T.
IC Flange SAE 1400
RB SAE B, 2/4 bolt, 15T rotatable
IB Flange SAE 1300
RA SAE B, 2/4 bolt, 13T rotatable

MOUNTING POSITION:

1 Right, Forward
3 Left, Forward

2* Right, Rear
4* Left, Rear



*only available with CB ratios

INPUT GEAR:

01 Fuller series
77 Endurant XD, XD Pro

6000 Series

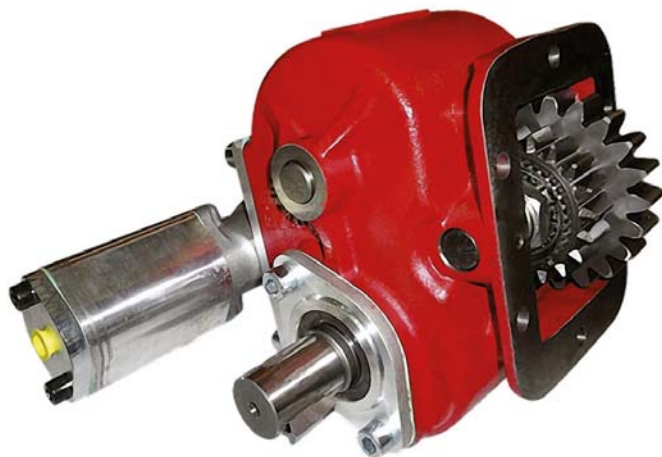
SAE 6 Holes, forward & reverse output
Type round shaft 1 ¼"

Pneumatic
Neumático

Description Descripción

The 6000 Series is a single, low-speed, forward and reverse PTO. Options include air-shift or lever. This series uses the same input gears as the 1000/2000 series PTO's making it applicable on most manual transmissions.

La Serie 6000 es una toma de fuerza con doble sentido de giro. Las opciones incluyen accionamiento por aire o por palanca. Esta serie utiliza los engranajes de entrada igual que el PTO 1000/2000 serie, por lo que es aplicable en la mayoría de las transmisiones manuales.



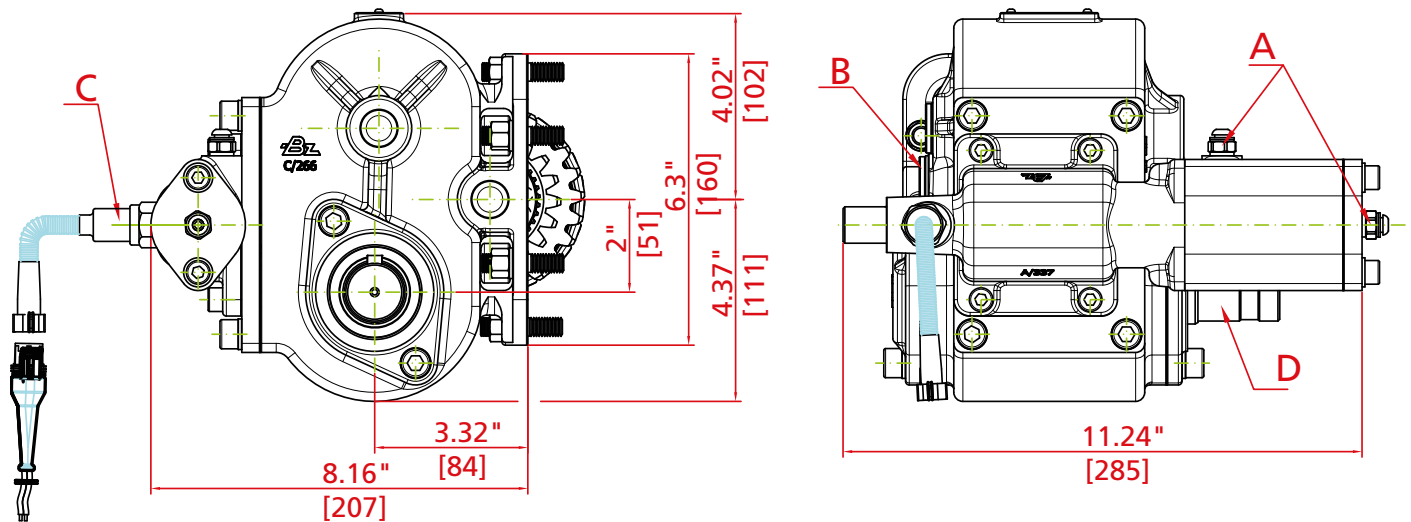
Main Data Datos Principales

Torque (Lb. Ft.) Par nominal		Continuous Continuo	150
		Intermittent Intermitente	210
Power 1000 r.p.m. Potencia a 1000 r.p.m. (HP)			30
Mounting position Lado de montaje		Right, Left Derecho, Izquierdo	
Weight Peso (Lb)			37
Internal ratio Relación interna	"C" Ratio	Forward Hacia delante	73%
		Reverse Hacia atrás	83%
Engine to PTO ratio Relación motor - toma de fuerza		See application book Ver libro de aplicaciones	

SAE 6 Holes, forward & reverse output Type round shaft 1 1/4"

6000
Series

Pneumatic
Neumático



Notas		Notes	
A	Air connection, thread 1/4" BSP	A	Toma de aire, rosca 1/4" GAS
B	Backlash check plug	B	Tapón comprobación juego de engranes
C	Indicator switch	C	Indicador de funcionamiento
D	Output shaft 1 1/4"	D	Eje de salida 1 1/4"

Pneumatic
Neumático

Part Number Breakdown Codificación PTO

6000 X C N 01 1 SE

SERIES:

6000 SAE 6 holes forward & reverse
6005 SAE 6 holes forward & reverse deep mount
6800 SAE 8 holes forward & reverse

VERSIONS:

X Standard

INTERNAL RATIOS:

(C) FW 73%
RW 83%

SHIFTER TYPE:

A Air with 101 air kit
N Air without 101 air kit

INPUT GEAR:

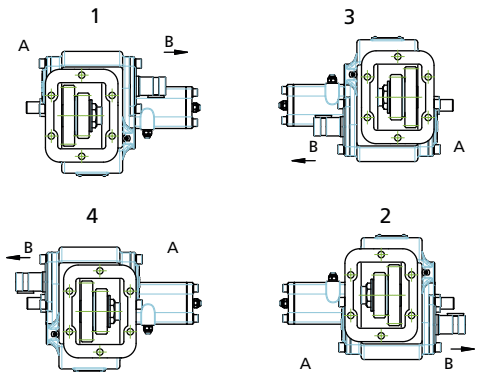
01 Fuller series (R/675)	27 Eaton / Fuller (R/692)
02 Universal (R/683)	28 Fuller (R/771)
03 Spicer (R/736)	30 Eaton / Fuller (R/698)
05 Spicer (R/677)	33 Spicer (R/697)
06 Fuller (TREMEC) (R/679)	34 Spicer (R/696)
07 Navistar (R/693)	36 New Process (R/739)
08 Spicer (R/682)	39 Warner (R/741)
09 Spicer (R/684)	41 Warner (R/743)
10 Chevy (R/678)	42 Fuller (R/770)
11 Chevy / Spicer (R/699)	50 ZF (R/700)
13 New Process (R/718)	51 Dodge (R/702)
14 Fuller (R/737)	52 Zed / F (R/700)
15 Eaton / Fuller FS-4005C/4205C (R/717)	55 Mack / Renault (R/748)
16 ZF (R/716)	56 Tremec (R/744)
17 Eaton 6305 A (R/680)	57 ZF (R/740)
18 Eaton FS 3005 / 4005 AB (R/717)	61 Ford (R/754)
20 Dodge (R/701)	64 Allison (R/752)
21 ZF 55-42/5.72 (R/676)	66 Fuller (R/862)
22 Eaton / Fuller (R/738)	67 Aisin (R/870)
23 Eaton / Fuller FS-3005 B (R/714)	68 Tremec (R/897)
24 Mack (R/695)	70 Mercedes G60 (R/956)
25 Eaton / Fuller FS 7206 A (R/715)	

OUTPUT TYPE:

SE SAE type 1 1/4 round shaft

MOUNTING POSITION:

- 1 Right, Forward
- 2 Right, Rear
- 3 Left, Forward
- 4 Left, Rear



SAE 8 Holes, forward & reverse output Type round shaft 1 ¼"

6800
Series

Pneumatic Neumático



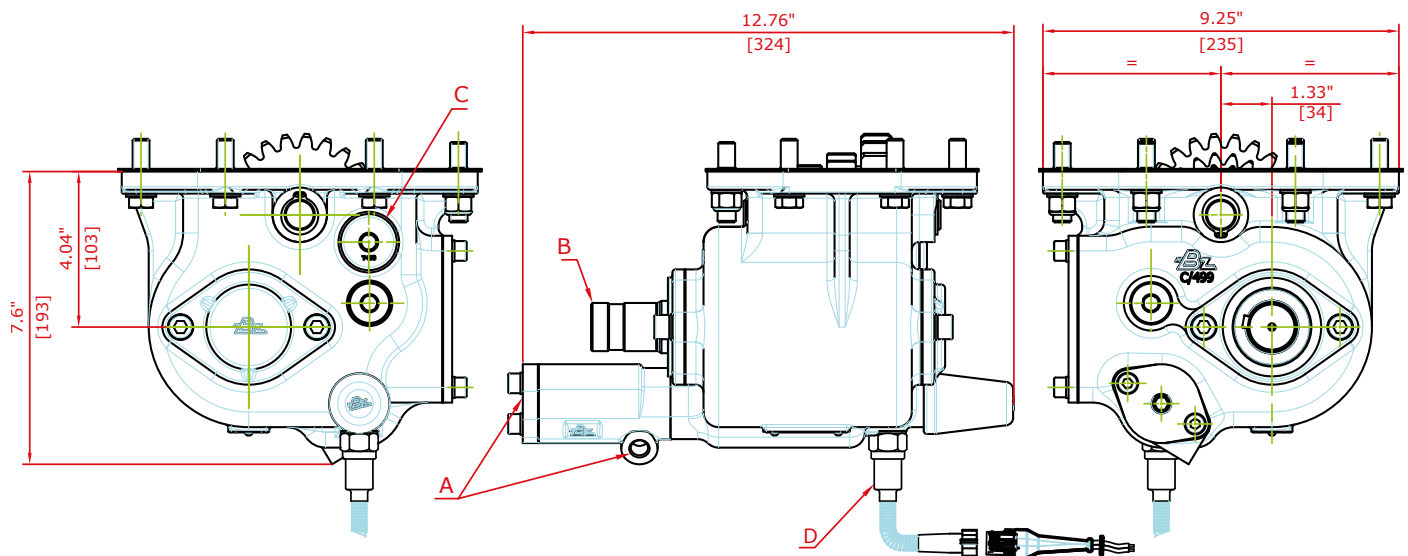
Description Descripción

The 6800 Series is a single, low-speed, forward and reverse PTO. It also includes pneumatic shifter Very low speed in both Forward and Reverse.

La Serie 6800 es una toma de fuerza con doble sentido de giro. Incluye de serie el accionador neumático. Muy baja relación motor - PTO tanto en giro hacia delante como hacia atrás.

Main Data		Datos Principales	
Torque (Lb. Ft.) Par nominal		Continuous Continuo	150
		Intermittent Intermitente	210
Power 1000 r.p.m. Potencia a 1000 r.p.m. (HP)			30
Mounting position Lado de montaje		Bottom, Left Inferior, Izquierdo	
Weight Peso (Lb)			40
Internal ratio Relación interna	"B" Ratio	Forward Hacia delante	55%
		Reverse Hacia atrás	52%
Engine to PTO ratio Relación motor - toma de fuerza		See application book Ver libro de aplicaciones	

Pneumatic
Neumático



Notas Notes

A	Air connection, thread ¼" BSP	A	Toma de aire, rosca ¼" GAS
B	Output shaft 1 ¼"	B	Eje de salida 1 ¼"
C	Backlash check plug	C	Tapón comprobación juego de engranes
D	Indicator switch	D	Indicador de funcionamiento

SAE 6 Holes, forward & reverse output
Type round shaft 1 ¼"

6800
Series

Pneumatic
Neumático

Part Number Breakdown Codificación PTO

6800 X B N 01 1 SE

SERIES:

6800 SAE 8 holes forward & reverse

OUTPUT TYPE:

SE SAE type 1 ¼ round shaft

VERSIONS:

X Standard

INTERNAL RATIOS:

(B) FW 55%

MOUNTING POSITION:

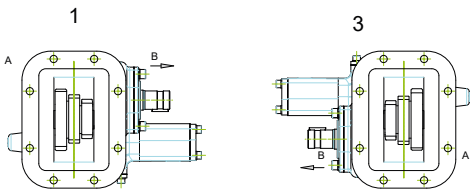
- 1 Right, Forward
3 Left, Forward

SHIFTER TYPE:

- A Air with 101 air kit
N Air without 101 air kit

INPUT GEAR:

01 Fuller series (R/675)



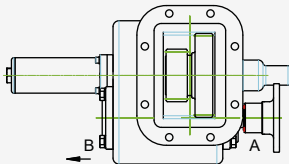
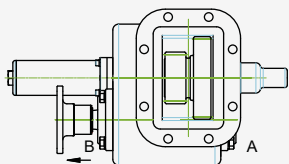
Pneumatic
Neumático

Description Descripción

The 8000 series PTO is our 8 bolt forward and reversible PTO which was designed for heavy duty, high torque winch applications. As standard, it comes with our B ratio gear option, and 1400 series companion flange output, and a integrated air shift cover. This was designed to help increase the torque, as well as extending the life of the PTO. It is also the only heavy duty forward and reversible PTO in the market that comes standard with air shift.

Esta Toma de fuerza ha sido diseñada para aplicaciones de trabajo pesado y es muy compacta. Está disponible con relaciones internas estándar y salida de plato. Pistón de accionamiento integrado en el PTO.

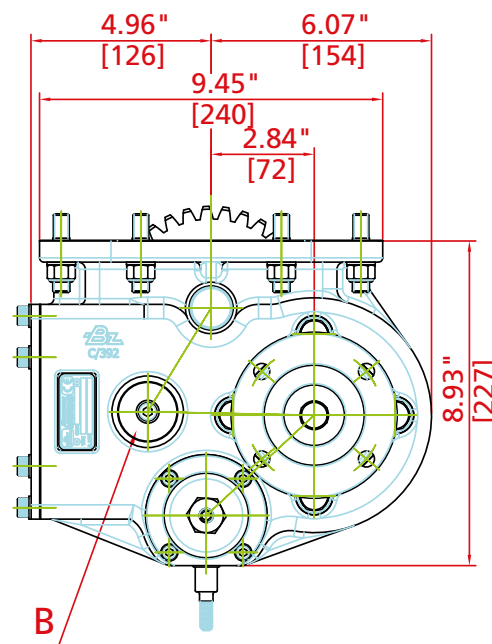
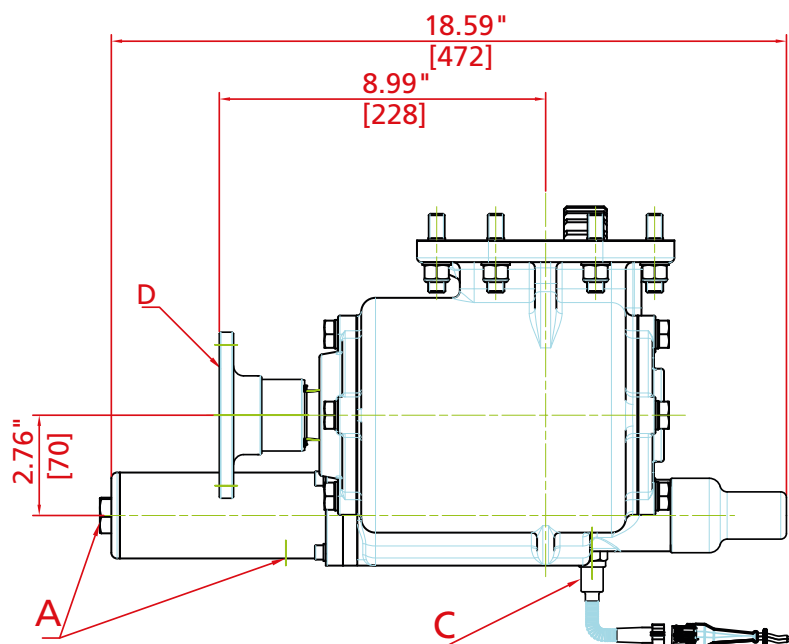
Main Data Datos Principales

Torque (Lb. Ft.)	Par nominal	Intermittent	Intermitente	500
Power 1000 r.p.m.	Potencia a 1000 r.p.m. (HP)			95
Weight	Peso (Lb)			88
Assembly arrangements Tipos de montaje	Arrangement 2		Arrangement 3	
				
Internal ratio Relación interna	"B" Ratio	Forward	Hacia delante	60%
		Reverse	Hacia atrás	72%
Engine to PTO ratio Relación motor - toma de fuerza		See application book Ver libro de aplicaciones		

SAE 8 Holes, forward & reverse output Type round shaft 1 ¼"

8000
Series

Pneumatic
Neumático



Notas		Notes	
A	Air connection, thread 1/8" BSP	A	Toma de aire, rosca 1/8" GAS
B	Backlash check plug	C	Tapón comprobación juego de engranes
C	Indicator switch	D	Indicador de funcionamiento
D	Drive flange (standard 1410)	D	Plato de transmisión (estándar 1410)

Pneumatic
Neumático

Part Number Breakdown Codificación PTO

8000 X B N 01 3 DA

SERIES:

8000 8 bolt, forward & reverse PTO

VERSIONS:

X Standard

INTERNAL RATIOS:

(B) Forward 60%
Reverse 72%

SHIFTER TYPE:

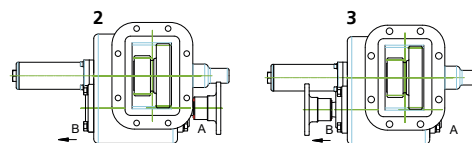
A Air with 101 air kit
N Air without 101 air kit

OUTPUT TYPE:

DA ISO 4 bolt
IC Flange SAE 1400
SE SAE type 1 1/4 round shaft
SG SAE type 1 1/2 round shaft

MOUNTING POSITION:

2 Right, Rear
3 Left, Rear



INPUT GEAR:

01 Fuller series
02 Universal
24 Mack

Pneumatic
Neumático



Description Descripción

The 8500 series is our PTO designed for those applications with maximum torque and horsepower requirements. A broad range of ratios and outputs are available. It comes standard with air shift. This PTO also has the same smooth engagement design as our 4100 series which increases the gear life of the PTO.

La serie 8500 es nuestra toma de fuerza diseñada para aquellas aplicaciones con un par máximo y requerimientos de potencia. Una amplia gama de relaciones y salidas están disponibles. La versión estándar lleva accionamiento neumático. Esta toma de fuerza también tiene el mismo diseño de nuestra serie 4100 que aumenta la vida útil del engranaje de la toma de fuerza.

Main Data Datos Principales

Mounting position Lado de montaje	Bottom left Inferior izquierdo
Weight Peso (Lb)	64

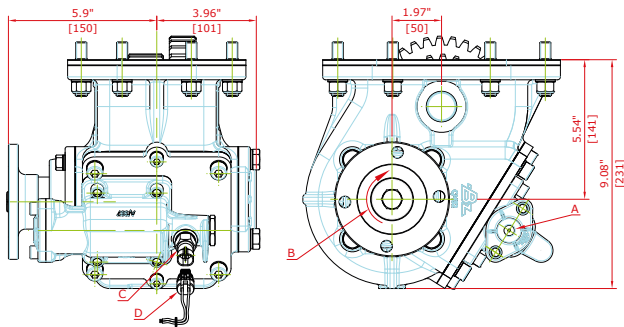
Engine to PTO ratio (See application book)
Relación motor - Toma de Fuerza (Consultar libro de aplicaciones)

INTERNAL RATIO	INTERMITTENT SERVICE			CONTINUOUS SERVICE		
	Torque (Lb. FT)	Power (HP)		Torque (Lb. FT)	Power (HP)	
		At 500 r.p.m.	At. 1000 r.p.m.		At 500 r.p.m.	At. 1000 r.p.m.
61%(B)	500	48	95	400	38	76
72%(C)	500	48	95	400	38	76
85%(E)	480	45	90	370	35	70
108% (J)	450	43	86	340	33	65
127% (O)	400	38	76	300	28	57
138% (R)	360	34	68	270	26	52
150% (S)	320	31	62	240	23	46
163% (T)	280	27	54	210	20	40

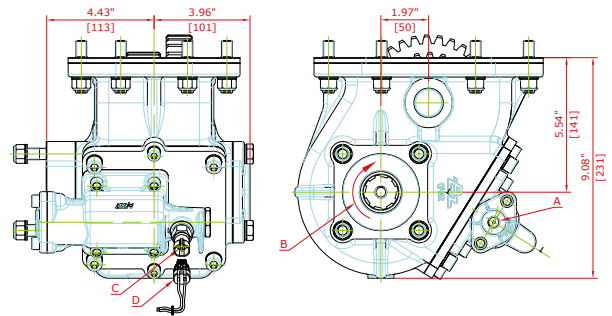
Pneumatic
Neumático

Standard output types Tipos de salida más utilizadas

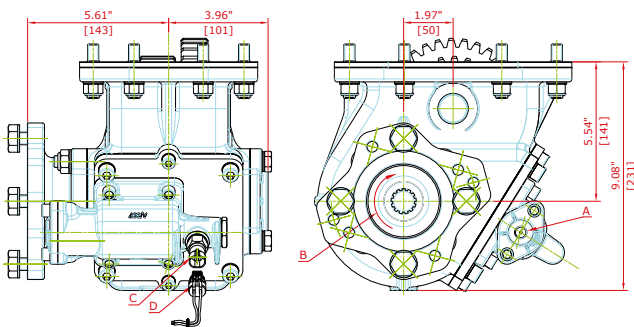
Output flange Salida plato



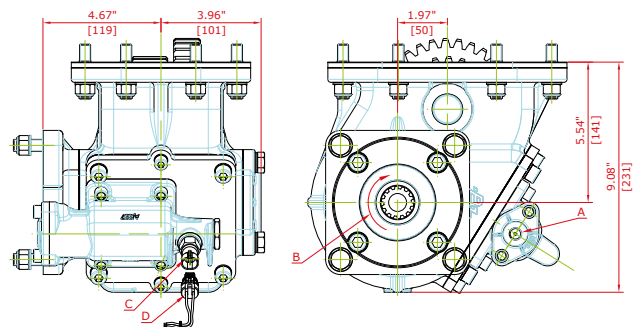
ISO 4 bolt ISO 4 taladros



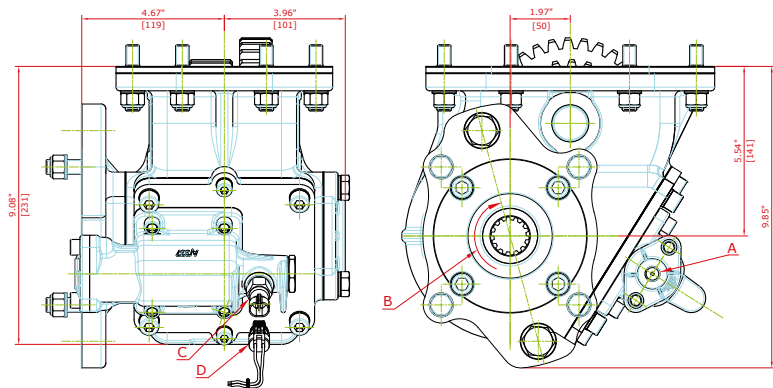
SAE "B"



SAE "C"



SAE "C" 2/4 bolt SAE "C" 2/4 taladros



Notas Notes

A	Air connections, thread 1/4" BSP
B	Rotation
C	Indicator switch

A	Tomas de aire, rosca 1/4" GAS
B	Sentido de giro
C	Indicador de funcionamiento

Pneumatic
Neumático

Part Number Breakdown Codificación PTO

8500 X J N 01 1 IC

SERIES:

8500 8 bolt, heavy duty
8510 8 bolt, heavy duty, deep mount

VERSIONS:

X Standard

RATIO: (Z=35)

1:0.61 (B)	1:1.27 (O)
1:0.72 (C)	1:1.38 (R)
1:0.85 (E)	1:1.50 (S)
1:1.08 (J)	1:1.63 (T)

SHIFTER TYPE:

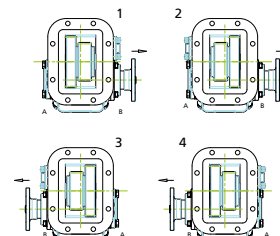
N Air without 101 Air Kit

OUTPUT TYPE:

DA ISO 4 bolt
IC Flange SAE 1400
RA SAE "B" 2/4 bolt 13T rotatable
RB SAE "BB" 2/4 bolt 15T rotatable
RJ SAE "C" 4 bolts
RK SAE "C" 2-4 bolts
IG Flange DIN 120

**ASSEMBLY
ARRANGEMENTS:**

1 Right, Forward 3 Left, Forward
2 Right, Rear 4 Left, Rear



INPUT GEAR:

01 Fuller series
02 Universal
24 Mack
75 Endurant HD
77 Endurant XD, XD Pro

Rear Mount Pneumatic
Posterior Neumático

Description Descripción

Heavy Duty, rear PTO rotated output. Pneumatic shifting. Three different internal ratios, most standard output types. Optional: Passing contact switch (Bayonet type) or pressure switch.

Toma de fuerza reforzada, con salida girada. Accionamiento neumático. Tres posibles relaciones internas. Disponible con los tipos de salida más estándar. Indicador de funcionamiento opcional de contacto (tipo bayoneta) o presostato.

Datos Principales Main Data

Internal Ratio Relación Interna	105%	130%	150%
Max. Torque Par máximo	382 Lb.ft // 510 Nm	293 Lb.ft // 390 Nm	254 Lb.ft // 339 Nm
Max. Power Potencia máxima	95 HP // 70 Kw	95 HP // 70 Kw	95 HP // 70 Kw
Mounting position Lado de montaje	Rear Posterior		
Rotation Sentido de giro	ClockWise Derecho		
Engine to PTO ratio Relación motor-Toma de Fuerza	Check Application book / Consultar libro de aplicaciones		
Weight Peso	23.6 Lb // 10.7 Kg		

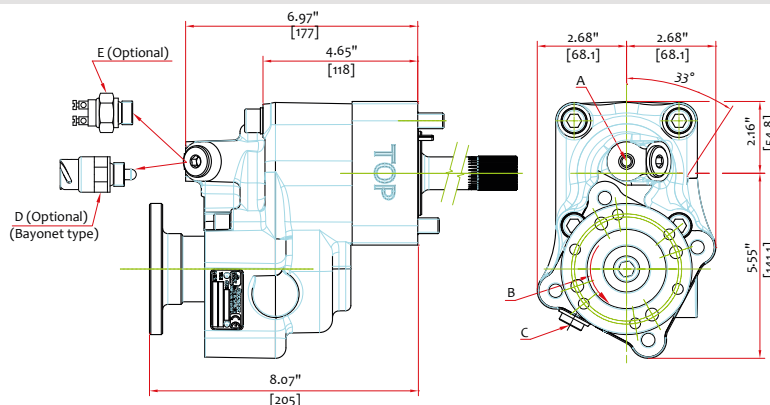
Part Number Breakdown Codificación PTO

SERIES:	95	X	13	E	IB	OUTPUT TYPE:
95						SA – SAE B 13T. SB – SAE BB 15T. DA – ISO 4 IB – Flange SAE 1300 IC – Flange SAE 1400
VERSIONS:						
X Standard R Retarder						
RATIO: (Z=35)						TRANSMISSION MAKER:
10 – 100% 13 – 130% 15 – 150%						E – Endurant HD D – Endurant XD / XD Pro

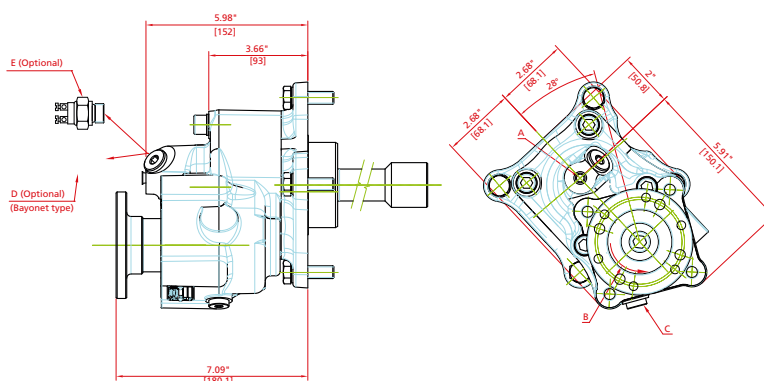
EATON ENDURANT HD / XD / XD PRO

Rear Mount Pneumatic Posterior Neumático

ENDURANT HD



ENDURANT XD / XD PRO

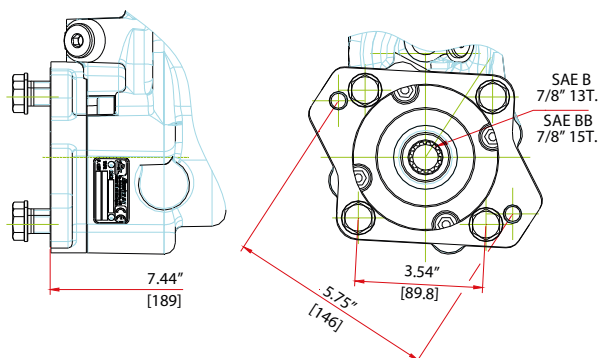


Notas Notes

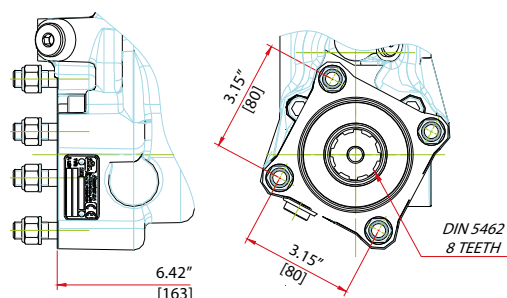
A	Air connection, thread 1/8" BSP	A	Toma de aire, rosca 1/8" GAS
B	Rotation	B	Sentido de giro
C	Oil Drain Plug	C	Tapón de drenaje
D	Passing contact switch P/N. 9024999	D	Interruptor de contacto (9024999)
E	Pressure switch P/N 100070018	E	Interruptor neumático (100070018)

Standard output types Tipos de salida más utilizadas

Pump Bomba SAE B 13T SAE BB 15T



Pump Bomba DIN 5462



Rear Mount Pneumatic
Posterior Neumático



Description Descripción

Heavy duty, rear PTO with different output types: SAE BB 2/4 bolt (15 tooth), DIN 4 bolt (8 tooth) or drive Flange output. Electric over pneumatic shifting. Indicator switch included.

Toma de fuerza reforzada para montaje posterior, diferentes tipos de salida: Bombas SAE BB 2/4 taladros (Z15), ISO 4 taladros (Z8) o plato de transmisión. Accionamiento neumático. Indicador de funcionamiento de contacto (tipo bayoneta)

Main Data Datos Principales

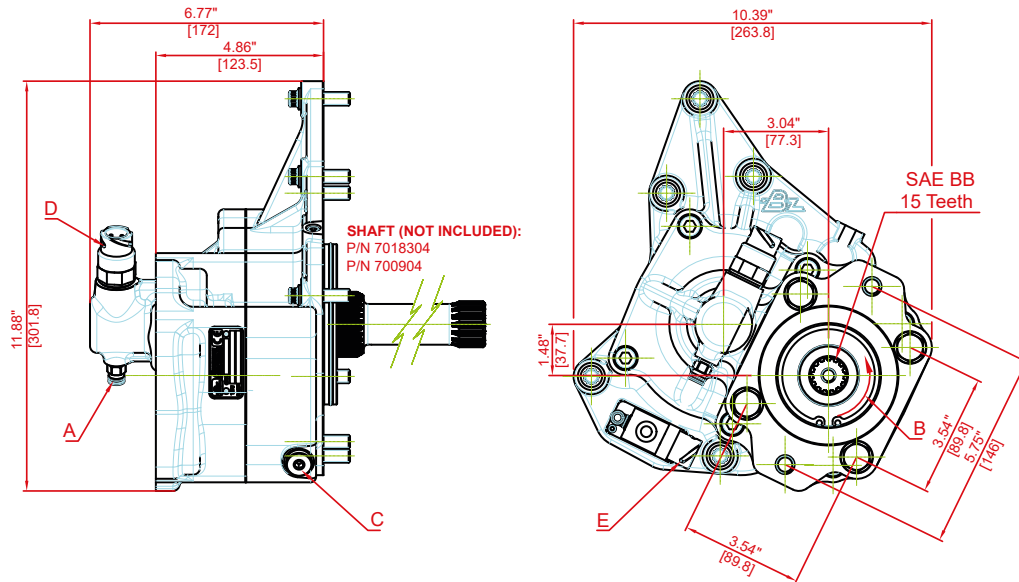
Max. Torque	Par máximo	DIN	Cont.: 305 Lb.ft // 412 Nm	Int.: 406 Lb.ft // 550 Nm
		SAE BB	Cont.: 290 Lb.ft // 330 Nm	Int.: 325 Lb.ft // 440 Nm
Max. Power		DIN	120 HP // 89 kW	
Potencia máxima		SAE BB	92 HP // 69 kW	
Mounting position	Lado de montaje		Rear Posterior	
Rotation	Sentido de giro		Engine Motor	
Engine to PTO ratio (% final)			Check Application book	
Relación motor – Toma de Fuerza			Consultar libro de aplicaciones	
Transmission / Transmisión			Shaft Kit / Kit de Eje	
DT12-DH (DA)			7018304	
DT12-OH (OA)				
DT12-OHE, DT12-OV (OC)				
DT12-OVX (OD)				
DT12-DHE (DC)			700904	
DT12-DHL (DB)				
DT12-OHL (OB)				
Weight	Peso		28 Lb // 13 Kg	

Part Number Breakdown Codificación PTO

SERIES:	120	X	13	D	SB	OUTPUT TYPE:
120						SB – SAE BB 15T.
SHAFT TYPE:						DA – ISO 4
X Standard						IB – Flange SAE 1300
INTERNAL RATIO: (Z=35)						IC – Flange SAE 1400
13 – 130%						TRANSMISSION
10 – 96%						MAKER:
						D – Daimler

Detroit DT-12

Rear Mount Pneumatic Posterior Neumático



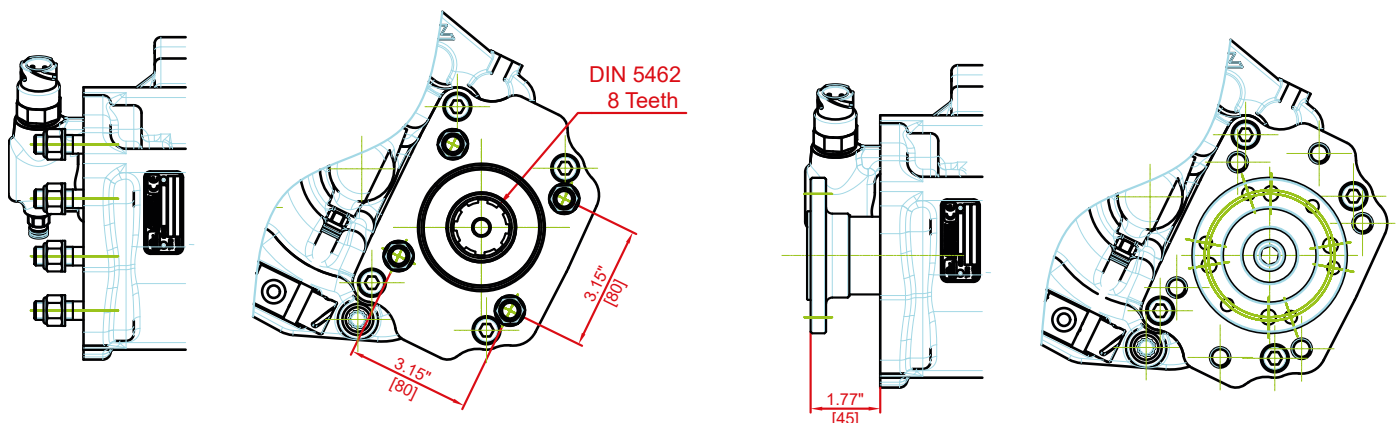
Notas Notes

A	Air connection, thread 1/8" BSP	A	Toma de aire, rosca 1/8" GAS
B	Rotation	B	Sentido de giro
C	Oil Drain Plug	C	Tapón de drenaje
D	Passing contact switch (included)	D	Interruptor de contacto (incluido)
E	Pneumatic Electrovalve (included)	E	Electroválvula Neumática (incluido)

Output types Tipos de salida

Pump Bomba DIN 5462

Drive Flange Plato de transmisión



Heavy Pumps: Support brackets are not allowed. Maximum PTO bending moment to the mounting Surface 29.5 Lb.ft must be calculated including the length of unsupported hydraulic hoses, the weight of fittings and hydraulic fluid.

Bombas Pesadas: No está permitido el uso de soportes de fijación. Par máximo de flexión 40Nm (incluyendo longitud de latiguillos sin soportar, peso de la racorería y del fluido hidráulico)



Description Descripción

This adapter is only designed for 2 or 4 position. It can be used with the 2000, 4100 or 8500 series PTO's with the input gear #01 installed on the Detroit DT12 C and D Box transmissions.
Note: Not available for DC (DHE & DV) Boxes.

Adaptador diseñado para tomas de fuerza posición 2 o 4 en las series 2000, 4100 y 8500 con engranaje de mando #01. Válido para las cajas de cambios Detroit DT12-OC o DT12-OD.

Nota: No válido para serie DC (DHE y DV)

Main Data Datos Principales

Weight Peso (Lb)

16

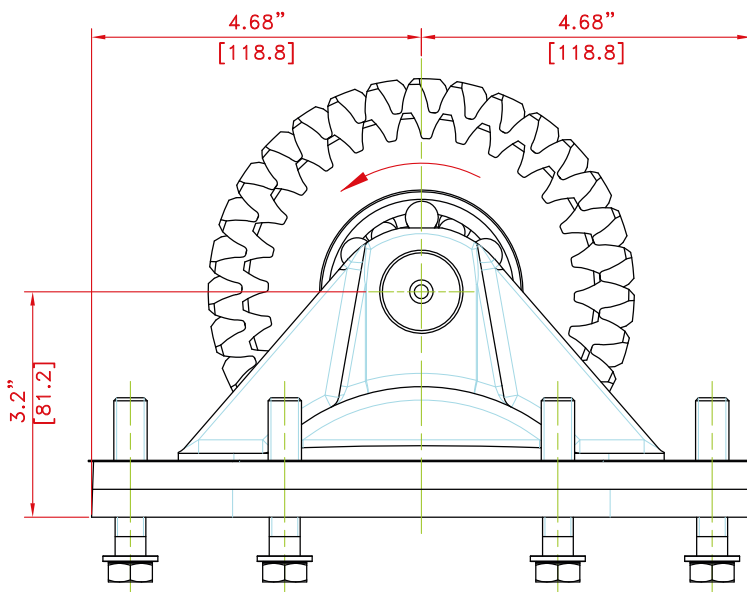
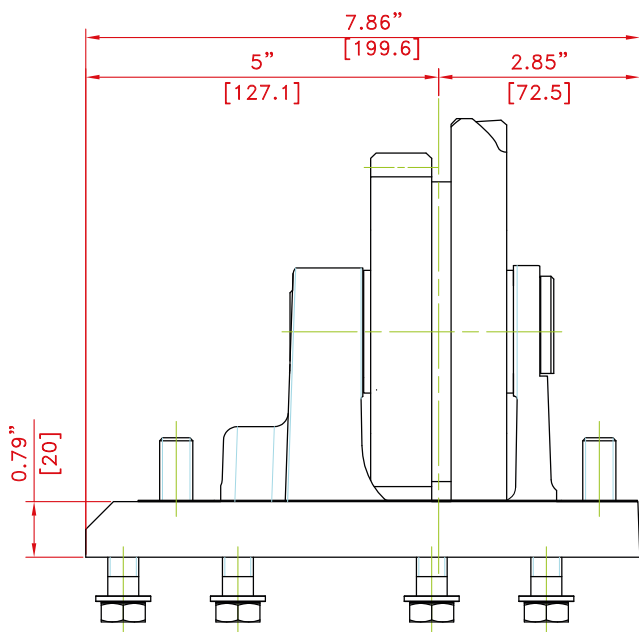
Part Numbers Codigos

DT12-OC, DT12-OHE, DT12-OV

AD812-OC

DT12-OD, DT12-OVX

AD812-OD



Ratios Relaciones				
PTO Series	Gear Ratio	Final Ratio (Percent of Engine Speed)		
		TORQUE (Lb.Ft)	DT12-OC (OHE & OV)	DT12-OD (OVX)
2000	A	250	80%	82%
	B	250	88%	90%
	C	250	117%	120%
	E	225	138%	141%
	J	225	152%	156%
	O	180	200%	205%
	R	170	219%	225%
	S	155	240%	246%
4100	B	420	87%	90%
	C	350	107%	110%
	E	285	131%	135%
	J	235	161%	165%
8500	B	500	63%	64%
	C	485	77%	79%
	E	400	95%	97%
	J	325	116%	119%
	O	270	140%	143%
	R	250	151%	155%
	S	225	165%	169%
	T	210	182%	186%



Description Descripción

Special rotation reverse kit with an input type SAE BB 15T. and output type round shaft Ø1 1/4" to reduce the speed at the output of the PTO.

Kit adaptador inversor especial con entrada SAE BB Z=15 y salida de eje chaveteado Ø1 1/4" para reducir la velocidad a la salida de una toma de fuerza.

Datos Principales Main Data

Internal ratio Relación interna		56% // 67%
Torque Par nominal	Continuous Continuo	332 Lb.ft / 450 Nm
	Intermittent Intermitente	465 Lb.ft / 630 Nm
Power @ 1000 r.p.m. Potencia 1000 r.p.m.		64 CV / 48 kW
Weight Peso		35 Lb / 16 Kg
Max. Working Temperature Temperatura de Trabajo Máxima		194° F / 90° C

Part Number Breakdown Codificación PTO

RD 56 SB

REDUCTION KIT

INPUT TYPE:

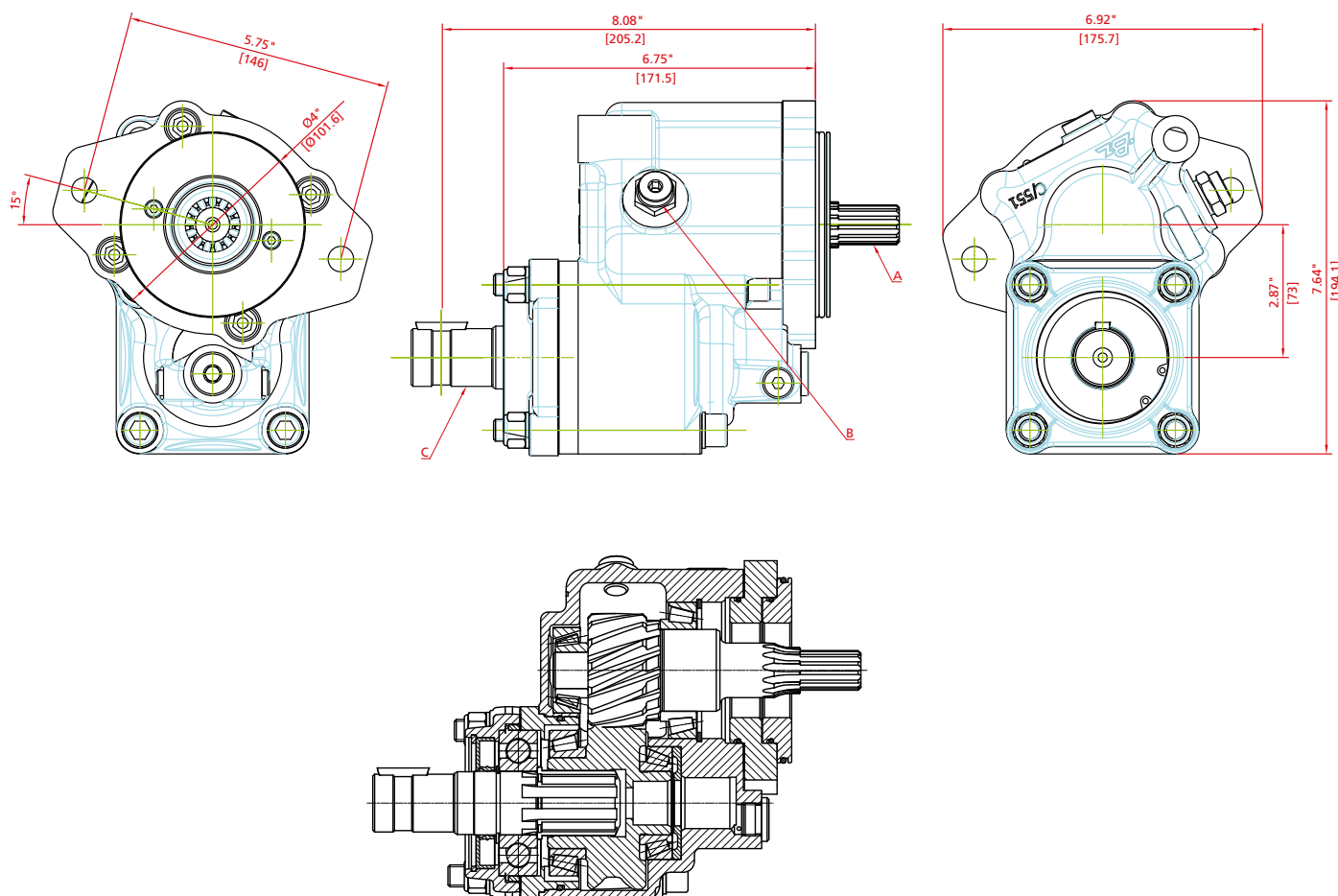
SB – SAE BB 15T.

INTERNAL RATIO:

56 56%
67 67%

Special Reducer & Rotation reverse Kit Inversor Reductor Especial

RD_SB
Series



Notas Notes

A	Input Shaft, 15T. 16/32 DP	A	Eje de Entrada Z=15 16/32 DP
B	Lubrication Port BSP 1/4"	B	Conexión de Lubricación 1/4" GAS
C	Output Shaft, Rnd. SAE 1 1/4"	C	Eje chaveteado de Salida, SAE 1 1/4"

Reverse rotation adapter SAE 6 holes

Adaptador inversor de giro SAE 6 taladros

Description Descripción

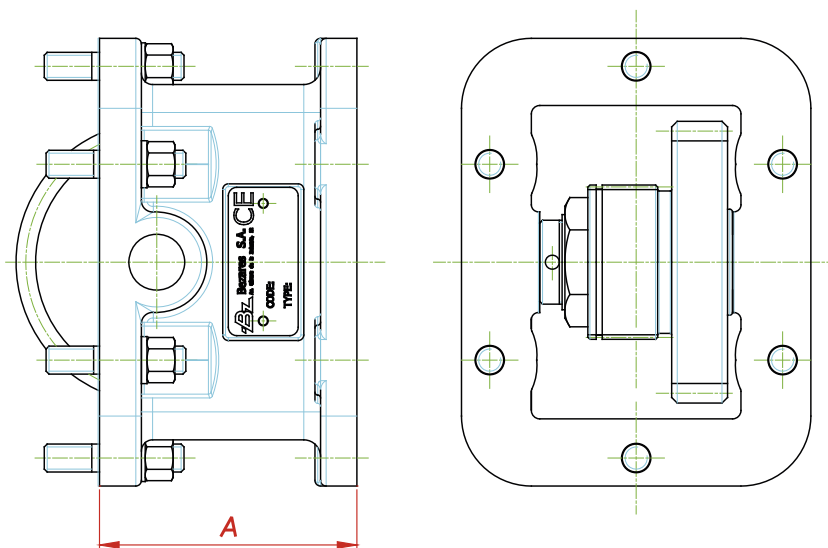
Our variety of rotation reverse adapters make possible to change the PTO rotation, and resolve any interference problem.

Nuestra variedad de adaptadores inversores de giro posibilitan cambiar, el sentido de rotación, y resolver cualquier problema de interferencias.

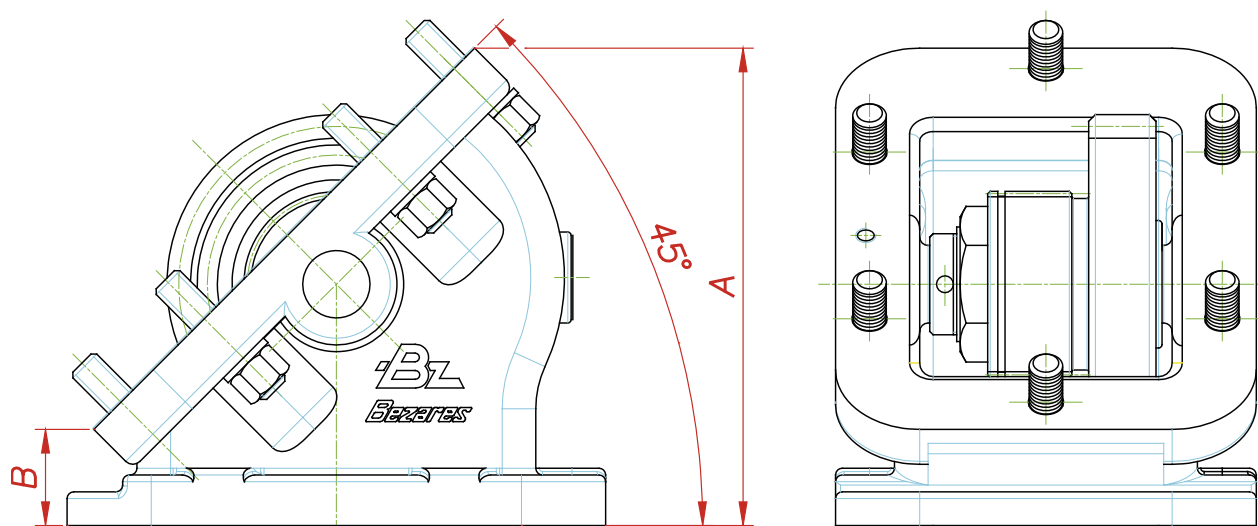


		Main Data	Datos Principales		
Adapter Kit	Kit adaptador		A	B	Weight Peso (Lb)
Right Recto	AD 626 Series		3.64"	-	14
	AD 726 Series (deep mount)		3.42"	-	12
45°	AD 645 Series		5.61"	1.16"	14
	AD 745 Series (deep mount)		5.45"	1"	12

AD 626, AD 726 (Straight Recto)



AD 645, AD 745 (45°)



Reverse rotation adapter SAE 6 holes Adaptador inversor de giro SAE 6 taladros



Description Descripción

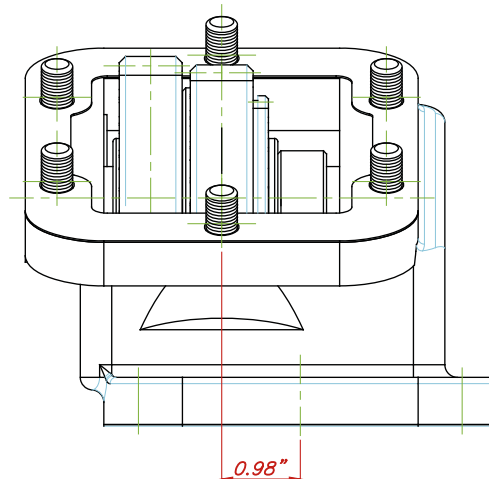
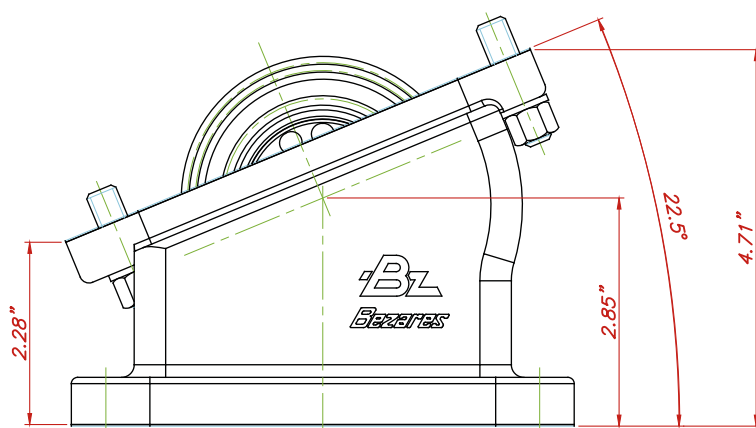
This adapter is only suitable for position 1 (right side). This adapter fits all 1000 PTO series with input gear 01*, and it permits to assembly all helical input gears to the transmission. When this adapter is used, the total engine-pto ratio is reduced to 95%.

Este adaptador sólo es adecuado para la posición 1 (lado derecho) y se ajusta a toda la serie 1000 de tomas de fuerza con engranaje 01*. Permitiendo además ensamblar cualquier engranaje de mando helicoidal a la transmisión. Cuando este adaptador sea utilizado la relación total entre motor y toma de fuerza se reducirá al 95%.

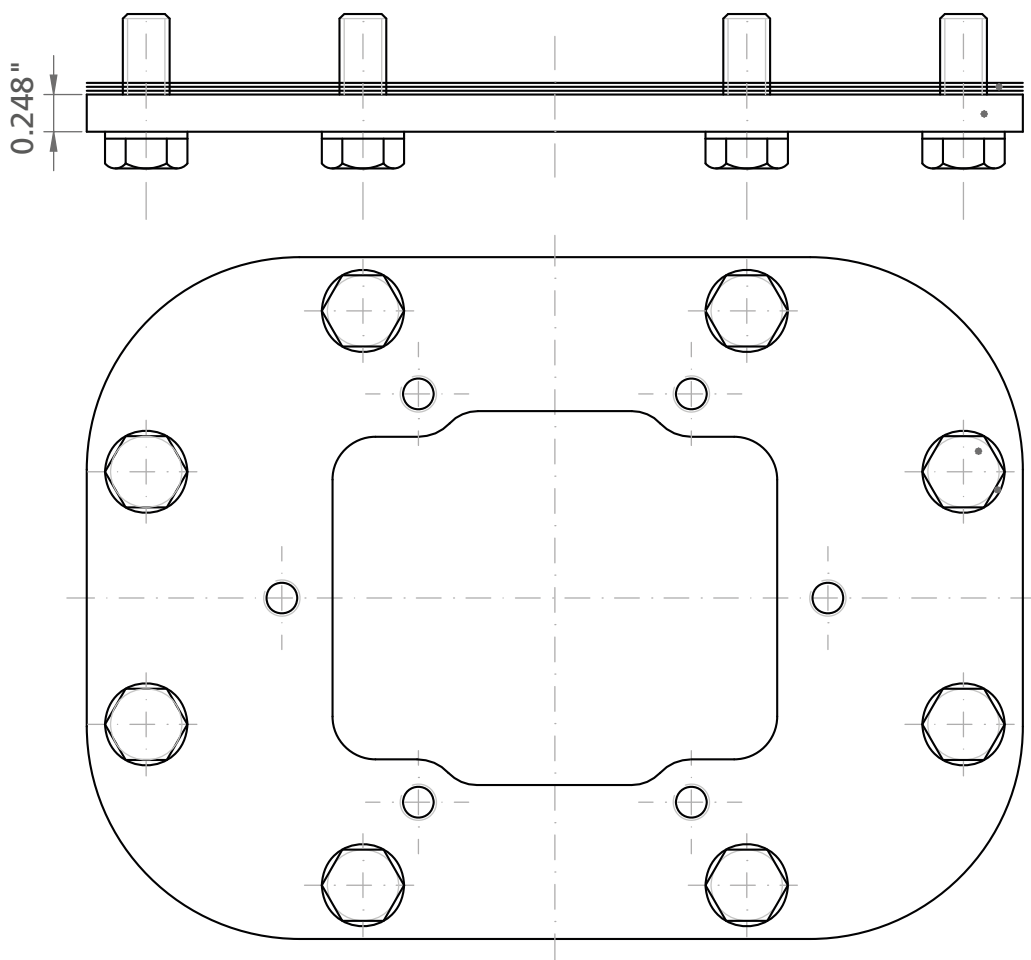
Main Data Datos Principales

Weight Peso (Lb)

16



AD68248 – 6 to 8 Bolt Reducer Plate



Rear - Pneumatic
Frontal - Neumático (1:1)

Description Descripción

Base PTO + flange Kit (without shaft) constant mesh 1:1 mounting on rear 4 bolts-window of the Gearbox. Pneumatic shifting, output Iso 4 bolts. Optional: Passing contact switch and adapter shaft.

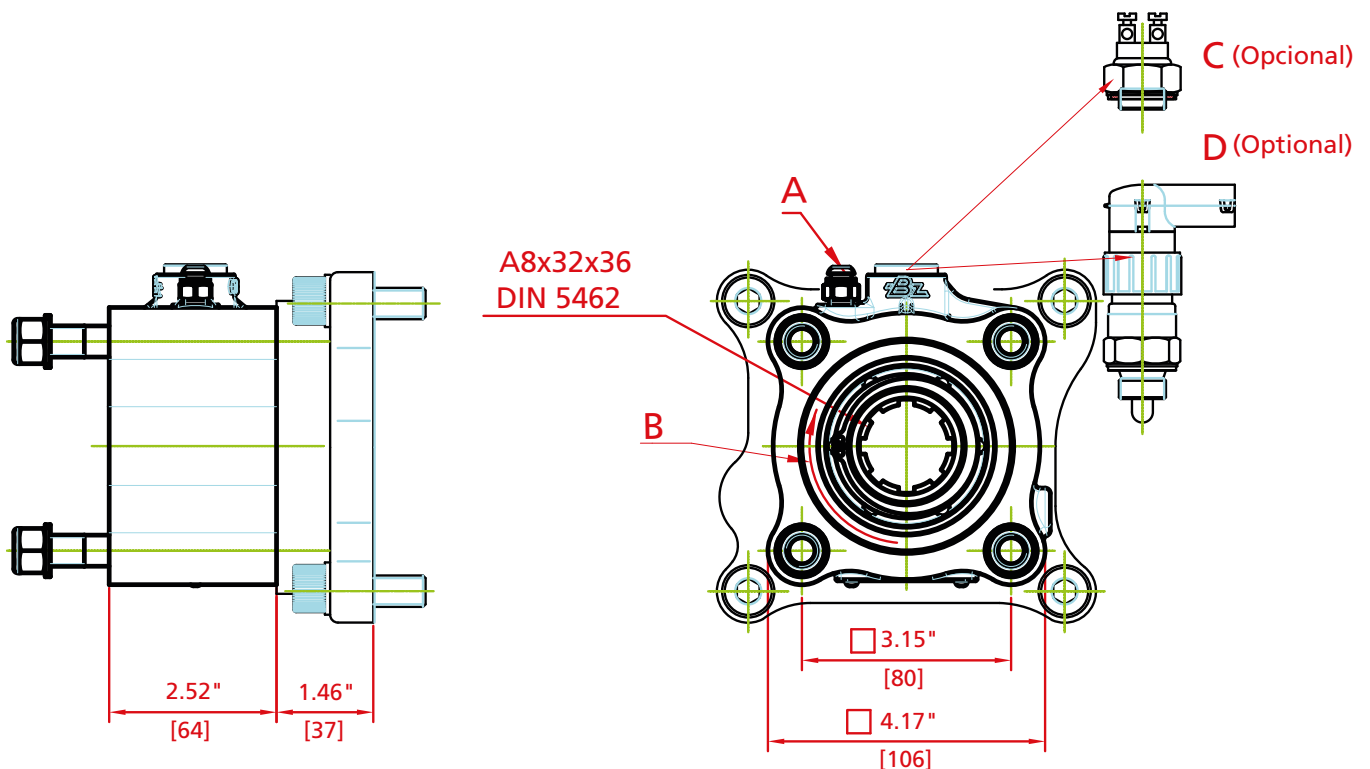
Kit de toma de fuerza + brida (sin eje) toma constante 1:1 montaje en registro frontal de 4 taladros de la caja de cambios. Accionamiento neumático, salida ISO 4 taladros. Indicador de funcionamiento y eje adaptador opcional.

Main Data Datos Principales

Max. Torque Par máximo	609 Lb.ft // 826 Nm
Power (1000 r.p.m.) Potencia (1000 r.p.m.)	84 C.V // 62 kW
Mounting position Lado de montaje	Rear Posterior
Pump rotation Sentido de giro de la bomba	Anti ClockWise Izquierdo
Weight Peso	17.64 Lb // 8 kg

Part Numbers and Combinations Códigos y Combinaciones

Base PTO Kit with flange Kit toma de fuerza base con brida		+ Adapter shaft kit Kit de eje adaptador	
		R1000, SR1700, ... (L=267mm)	110104
Flange output Salida Plato	1196K02	R1000, ... Retarder (L=302mm)	110304
Pump output (DIN 5462) Salida Bomba	1196K03	DT-2412C, V2412 (L=229 mm)	116504



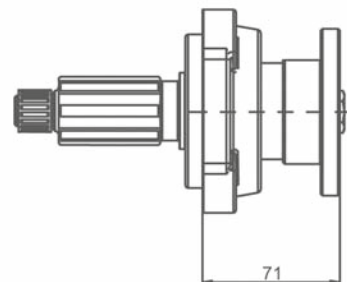
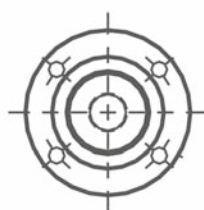
Notes Notas

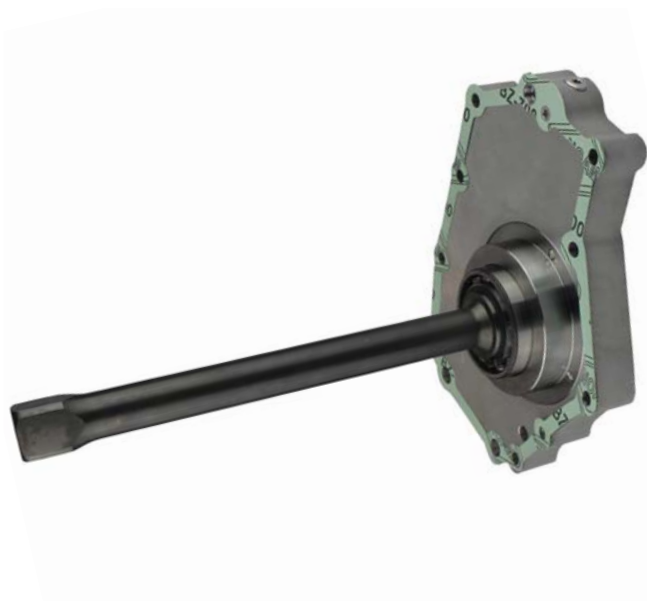
A	Engage PTO, thread 1/8" BSP	A	Conexión PTO, rosca 1/8" GAS
B	Rotation	B	Sentido de giro
C	Pressure switch. P/N 100070018	C	Interruptor neumático (100070018)
D	Passing contact switch. P/N 9024999	D	Interruptor de contacto (9024999)

Output types Tipos de salida

FLANGE TYPE	Part Number	
SAE:	1100	7015504
	1300	
	1400	
DIN:	90	7015804
	100	7015704

Flange Adapter / Adaptador Plato





Description Descripción

Adapter Kit to connect any base PTO (reduced profile housing) to the Scania G25CM and G33CM gearboxes.

Kit de eje adaptador que conecta las tomas de fuerza base de perfil rebajado con las cajas de cambios Scania G25CM y G33CM.

Main Data Datos Principales

Torque Par nominal		738 Lb.ft // 1000 Nm
Power (1000 r.p.m.) Potencia (1000 r.p.m.)		142 CV // 107 Kw
Weight Peso		15.4 Lb // 7 Kg
Engine to adapter kit ratio Relación motor - Kit adaptador (*)	High Larga	1: 0.97
	Low Corta	1: 0.76

Part Numbers and Combinations Códigos y Combinaciones

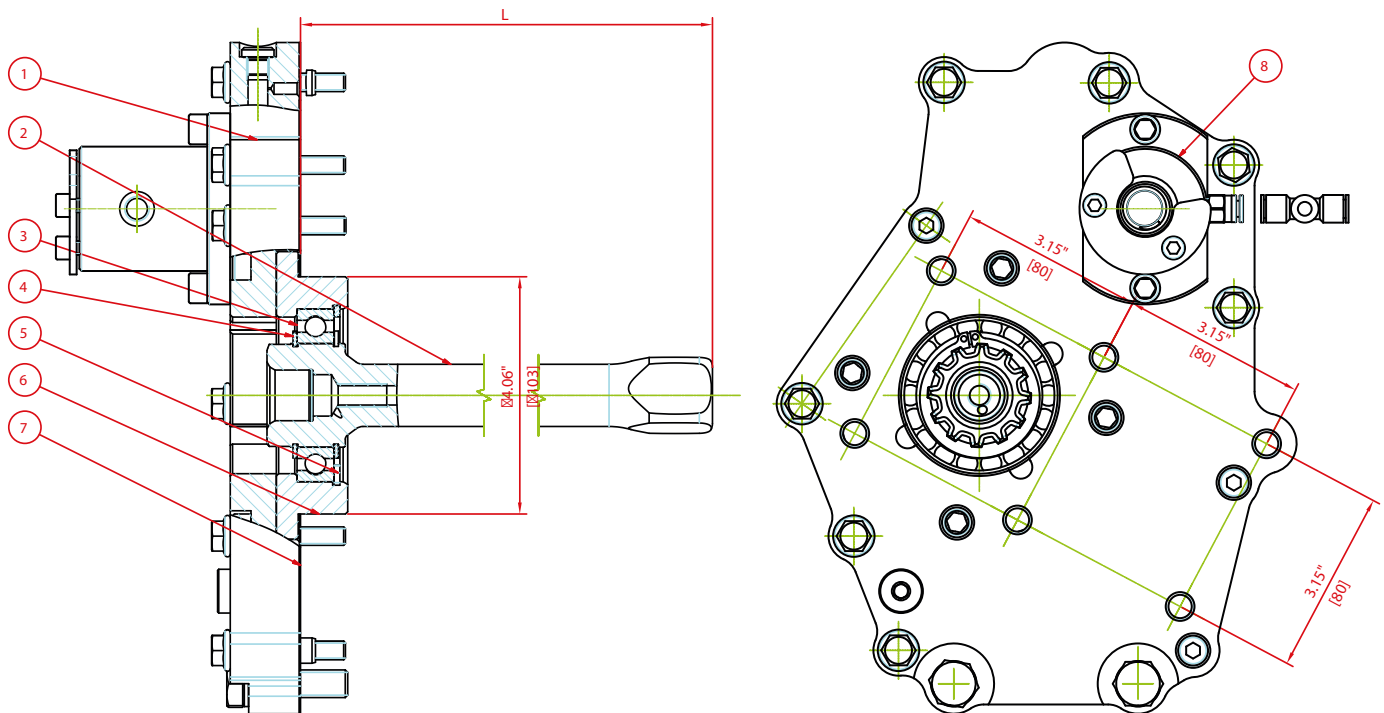
With Retarder Con Retarder	096004
Without Retarder Sin Retarder	096104

NOTE: To get the correct ratio, multiply the mentioned ratio by the internal ratio of the base PTO with reduced profile.

EXAMPLE: Adapter Kit G33CM + Base PTO (P/N 1010K03-1):
Internal ratio 1:1.32
Final Ratio: High $0.97 \times 1.32 = 1.28$
Normal $0.76 \times 1.32 = 1.00$

(*) NOTA: La relación total a la salida de la toma de fuerza se define al multiplicar la relación descrita por la interna de la toma de fuerza base de perfil rebajado.

EJEMPLO: Kit adaptador G33CM + PTO base (código 1010K03-1):
Relación interna 1:1.32
Relación final: Larga $0.97 \times 1.32 = 1.28$
Normal $0.76 \times 1.32 = 1.00$



Notes Notas

1	Adapter flange	1	Brida adaptadora
2	Adapter shaft Normal: L= 217.5 mm Retarder: L= 314.5 mm	2	Eje adaptador Normal: L= 217.5 mm Retarder: L= 314.5 mm
3	Ball bearing	3	Rodamiento rígido de bolas.
4	Circlip DIN 471	4	Anillo elástico DIN 471
5	Circlip DIN 472	5	Anillo elástico DIN 472
6	Bush	6	Casquillo
7	Gasket	7	Junta plana
8	Activation Kit for original sensor P/N 90100099 (optional - order separately)	8	Kit de activación para sensor original (90100099) opcional - pedir aparte

Warning: For the installation of the optional activation kit, it must be necessary to have these Scania original parts:

- P/N. 2721166 - Piston
- P/N. 2523709 - O-ring
- P/N. 2301052 - O-ring
- P/N. 3007639 - Sensor

Importante: Para poder instalar el kit de activación opcional, deberá contarse además con los siguientes repuestos originales Scania:

- P/N. 2721166 Pistón
- P/N. 2523709 Junta tórica
- P/N. 2301052 Junta tórica
- P/N. 3007639 Sensor

Rear - Pneumatic
Frontal - Neumático

Description Descripción

Base PTO + flange Kit (without shaft) constant mesh, mounting on rear 4 bolts-window of the Gearbox. Pneumatic shifting, output Iso 4 bolts. Optional: Passing contact switch and adapter shaft. Kit de toma de fuerza + brida (sin eje) toma constante, montaje en registro frontal de 4 taladros de la caja de cambios. Accionamiento neumático, salida ISO 4 taladros. Indicador de funcionamiento y eje adaptador opcional.

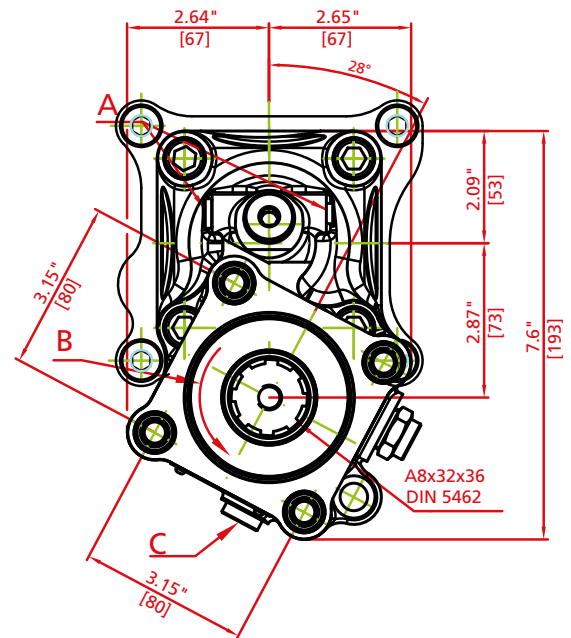
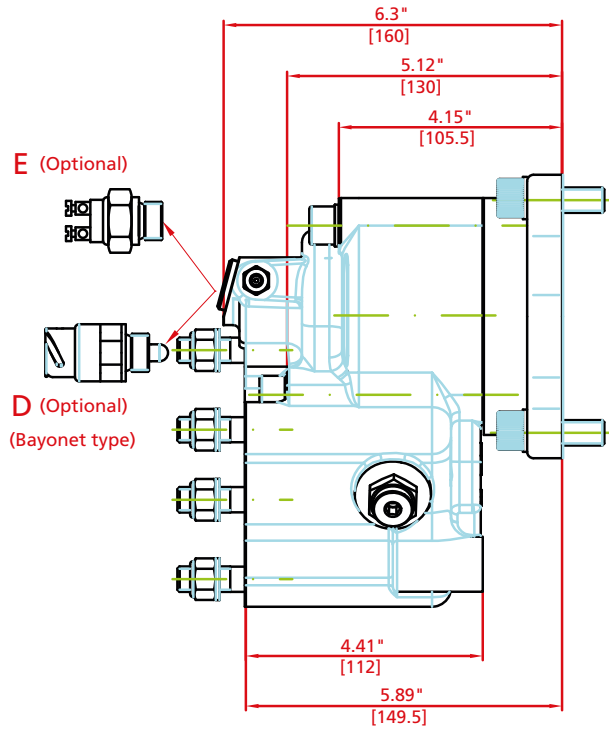
Main Data Datos Principales

Internal Ratio Relación Interna	1: 1.3	1: 1.5	1: 1.8
Max. Torque Par máximo	465 lb.ft // 630 Nm	413 lb.ft // 560 Nm	361 lb.ft // 490 Nm
Power (1000 r.p.m.) Potencia (1000 r.p.m.)	97 CV // 72 Kw	87 CV // 65 Kw	75 CV // 56 Kw
Mounting position Lado de montaje	Rear Posterior		
Pump rotation Sentido de giro de la bomba	ClockWise Derecho		
Weight Peso	26.45 Lb // 12 Kg		

Part Numbers and Combinations Códigos y Combinaciones

Base kit + flange Kit base + brida		Flange Plato	Pump (DIN 5462) Bomba +	Adapter shaft kit Kit de eje adaptador	
Internal Ratio Relación Interna	1: 1.3	11113K02	11113K03	R1000, SR1700, ... (L=267mm)	110104
	1: 1.5	11112K02	11112K03	R1000, ... Retarder (L=302mm)	110304
	1: 1.8	11111K02	11111K03	DT-2412C, V2412 (L=229 mm)	116504

Rear - Pneumatic
Frontal - Neumático



Notes Notas

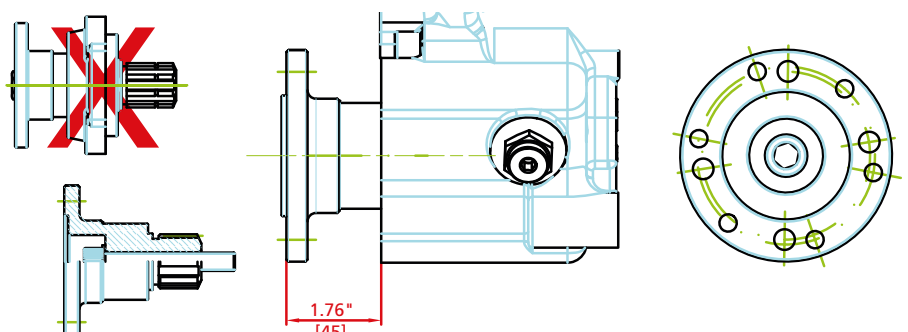
A	Air connection, thread 1/8" BSP	A	Toma de aire, rosca 1/8" GAS
B	Rotation	B	Sentido de giro
C	Oil drain plug	C	Tapón de drenaje del aceite
D	Passing contact switch. P/N 9024999	D	Interruptor de contacto. (9024999)
E	Pressure switch. P/N 100070018	E	Interruptor neumático (100070018)

Warning: Do not remove the seal to mount other components
Importante: No retirar el retén para montar otros componentes

Output types Tipos de salida

Flange type	Part number
SAE:	1100 906815
	1300 906915
	1400 907015
DIN:	90 907115
	100 907215
	120 907315

Flange Adapter / Adaptador Plato



Rear - Pneumatic
Frontal - Neumático (1: 1,32)

Description Descripción

Base PTO + flange Kit (without shaft) constant mesh 1:1.32 mounting on rear 4 bolts-window of the Gearbox. Pneumatic shifting, output Iso 4 bolts. Optional: Passing contact switch and adapter shaft.
Kit de toma de fuerza + brida (sin eje) toma constante 1:1.32 montaje en registro frontal de 4 taladros de la caja de cambios. Accionamiento neumático, salida ISO 4 taladros. Indicador de funcionamiento y eje adaptador opcional.

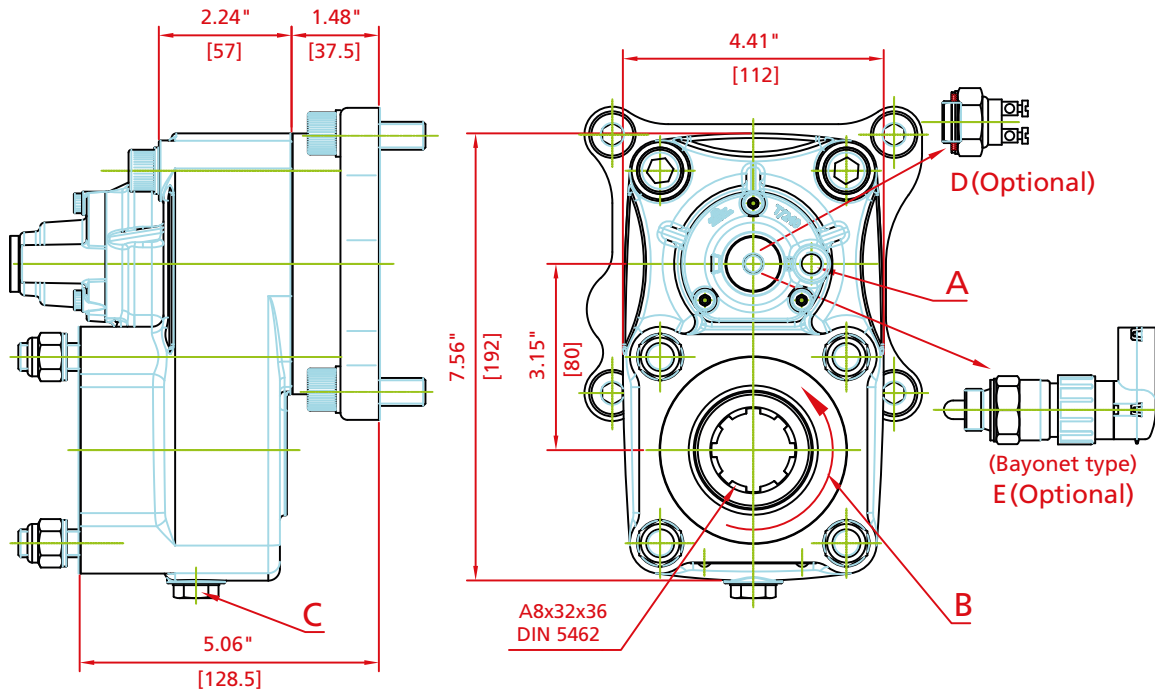
Main Data Datos Principales

Max. Torque Par máximo	310 Lb ft. // 420 Nm
Power (1000 r.p.m.) Potencia (1000 r.p.m.)	42 C.V // 32 kW
Mounting position Lado de montaje	Rear Posterior
Pump rotation Sentido de giro de la bomba	ClockWise Derecho
Weight Peso	25,35 Lb // 11,5 Kg

Part Numbers and Combinations Códigos y Combinaciones

Base PTO Kit with flange Kit toma de fuerza base con brida		+	Adapter shaft kit Kit de eje adaptador	
			R1000, SR1700, ... (L=267mm)	110104
Flange output Salida Plato	1198K02		R1000, ... Retarder (L=302mm)	110304
Pump output (DIN 5462) Salida Bomba	1198K03		DT-2412C, V2412 (L=229 mm)	116504

Rear - Pneumatic
Frontal - Neumático (1: 1,32)



Notes Notas

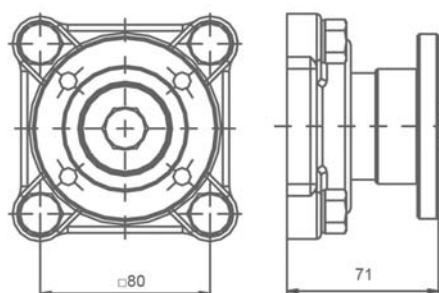
A	Air connection, thread 1/8" BSP	A	Toma de aire, rosca 1/8" GAS
B	Rotation	B	Sentido de giro
C	Oil drain plug	C	Tapón de drenaje
D	Pressure switch. P/N 100070018	D	Interruptor neumático. (100070018)
E	Passing contact switch. P/N 9024999	E	Interruptor de contacto. (9024999)

Output types Tipos de salida

Flange / Plato

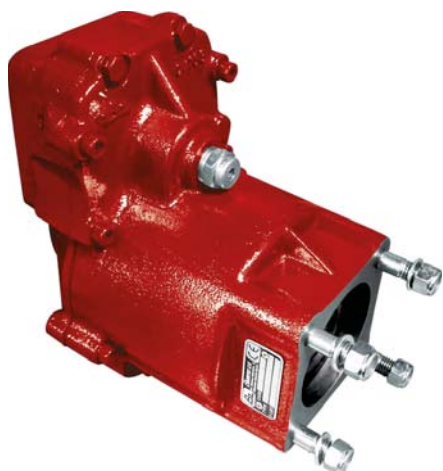
SAE: 1100
1300
1400

DIN: 90
100



Rear Pneumatic Clutch Shift

Frontal - Neumático con Embrague



Description Descripción

Power Take-off two gears, clutch shift pto, to connect Iso 4 bolts pumps. Pneumatic shifting, mounting on rear 4 bolts-window of the Gearbox.

Toma de fuerza de dos piñones, con embrague incorporado, para montar bombas ISO 4 taladros. Accionamiento neumático, montaje sobre el registro frontal de 4 taladros de la caja de cambios.

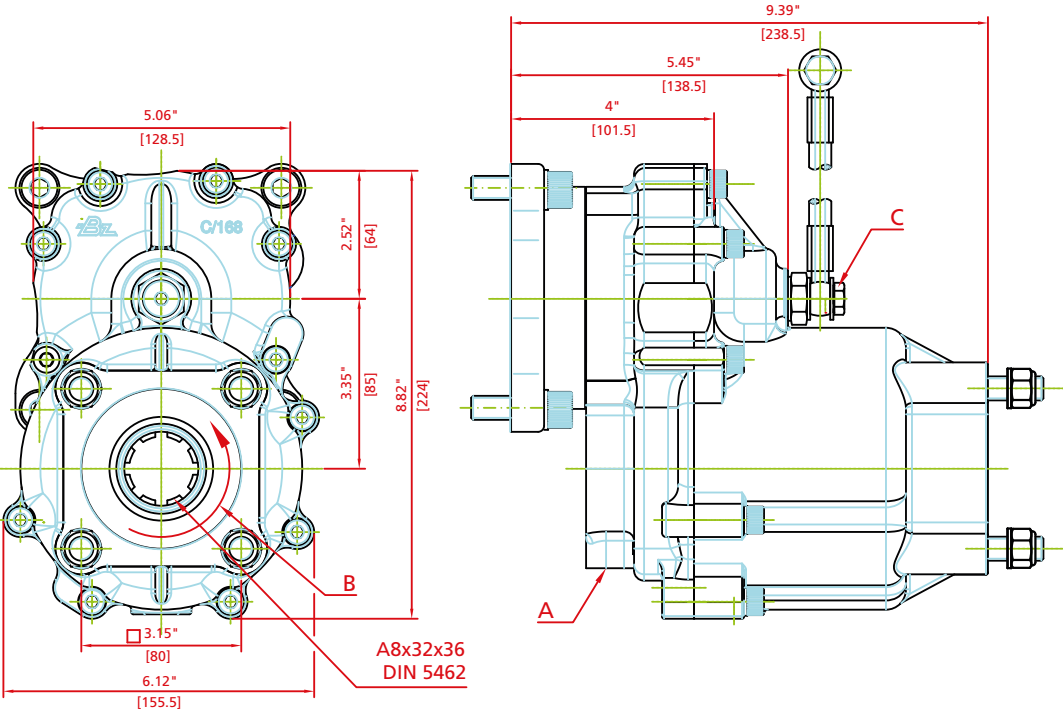
Main Data Datos Principales

Internal Ratio Relación Interna	1:1'35	1:1'85
Max. Torque Par máximo	413 Lb.ft // 560 Nm	
Power (1000 r.p.m.) Potencia (1000 r.p.m.)	57 C.V // 42 kW	
Mounting position Lado de montaje	Rear Posterior	
Pump rotation Sentido de giro de la bomba	ClockWise Derecho	
Weight Peso	50,71 lb // 23 Kg	

Part Numbers and Combinations Códigos y Combinaciones

Base PTO Kit with flange Kit toma de fuerza base con brida			Adapter shaft kit Kit de eje adaptador	
Internal ratio Relación Interna	1:1'35	1:1'85	R1000, SR1700, ... (L=267mm)	110104
Flange output Salida Plato	11103K02	11104K02	R1000, ... Retarder (L=302mm)	110304
Pump output (DIN 5462) Salida Bomba	11103K03	11104K03	DT-2412C, V2412 (L=229 mm)	116504

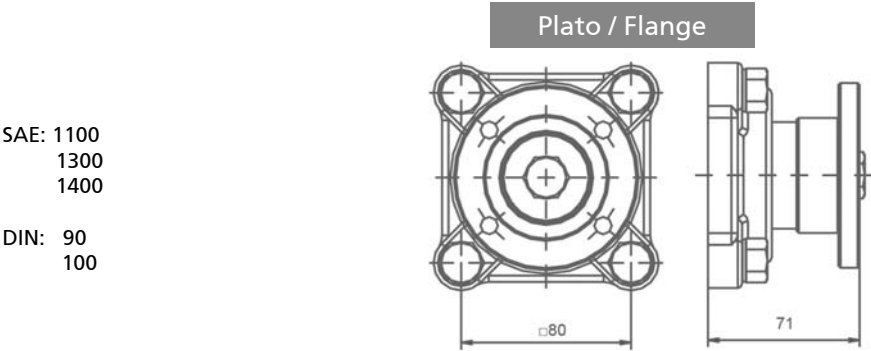
Rear Pneumatic Clutch Shift
Frontal - Neumático con Embrague



Notas Notes			
A	Air connection, thread 1/4" BSP	A	Toma de aire, rosca 1/4" GAS
B	Rotation	B	Sentido de giro
C	Input oil pipe P/N. 9070599	C	Latiguillo de entrada (9070599)

Warning: A pump with a weight over 12 kg. need to be supported by brackets.
Importante: Una bomba superior a 12 kg. necesita ser instalada sobre soportes

Output types Tipos de salida



Rear - Pneumatic
Frontal - Neumático (1: 1,62)

Description Descripción

Heavy Duty Power Take-off two gears, constant mesh with lubrication port. Internal ratio 1:1,62 mounting on rear 4 bolts-window of the Gearbox. Pneumatic shifting, to connect Iso 4 bolts pumps. switch.

Toma de fuerza reforzada de dos piñones en toma constante con puerto de lubricación.

Relación interna 1:1,62 para montar en el registro frontal de 4 taladros de la caja de cambios. Accionamiento neumático, para montar bombas ISO 4 taladros.

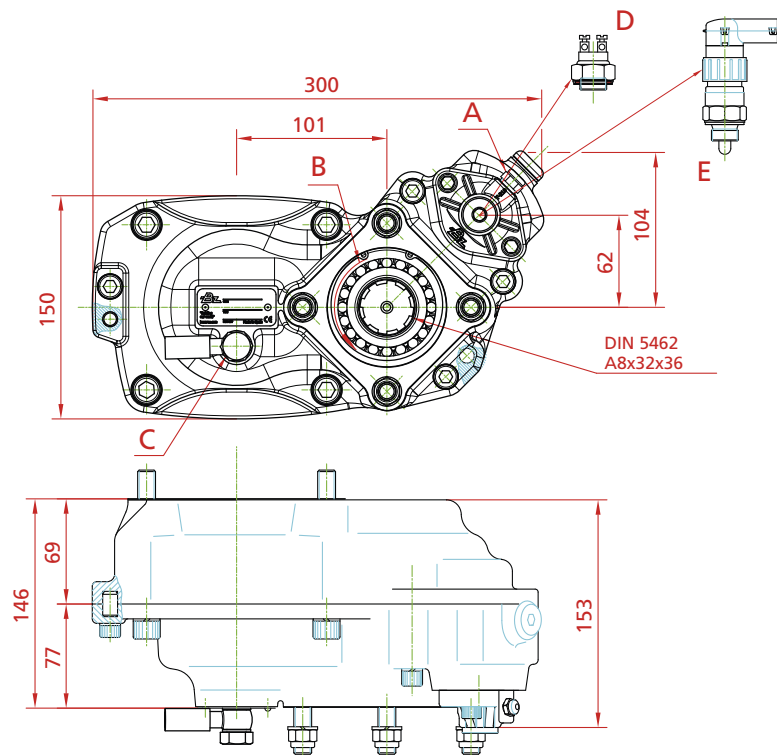
Main Data Datos Principales

Torque Par nominal	Continuous Continuo	295 Lb.ft // 400 Nm
	Intermittent Intermitente	413 Lb.ft // 560 Nm
Power (1000 r.p.m.) Potencia (1000 r.p.m.)		57 C.V // 43 kW
Mounting position Lado de montaje		Rear Posterior
Pump rotation Sentido de giro de la bomba		ClockWise Derecho
Weight Peso		39,68Lb // 18 Kg

Part Numbers and Combinations Códigos y Combinaciones

Base PTO Kit with flange Kit toma de fuerza base con brida		+	Adapter shaft kit Kit de eje adaptador	
Flange output Salida Plato	11123K02		R1000, SR1700, ... (L=265mm)	110204
Pump output (DIN 5462) Salida Bomba	11123K03		R1000, ... Retarder (L=300mm)	110504
Optional Lubrication Kit Kit de Lubricación Opcional	9070599		DT-2412C, V2412 (L=227 mm)	116704

Rear - Pneumatic
Frontal - Neumático (1: 1,62)



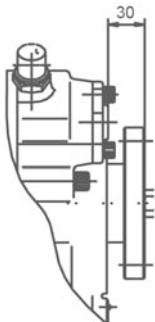
Notes Notas			
A	Air connection, thread 1/8" BSP	A	Toma de aire, rosca 1/8" GAS
B	Rotation	B	Sentido de giro
C	Optional Lubrication hose. P/N 9070599	C	Latiguillo de lubricación opcional (9070599)
D	Pressure switch. P/N 100070018	D	Interruptor neumático. (100070018)
E	Passing contact switch. P/N 9024999	E	Interruptor de contacto. (9024999)

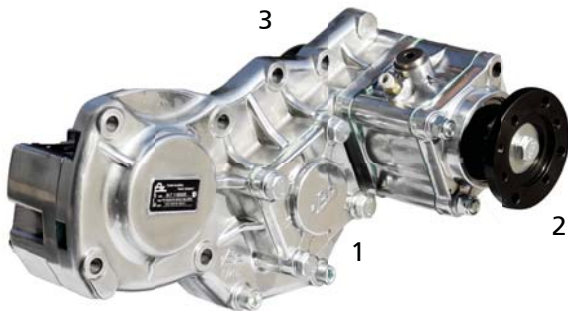
Output types Tipos de salida

Plato / Flange

SAE: 1300
1400

DIN: 100



Rear - Pneumatic
Frontal - Neumático

Description Descripción

PTO 3 gears, 3 independent outputs or simultaneous which you could combine among: pump, flange and null Output. Pneumatically shifting. Mounting on rear window of the gearbox.

Toma de fuerza de 3 piñones y 3 salidas independientes o simultáneas que pueden combinarse entre Bomba, Plato o Salida nula. Accionamiento neumático, montaje en el registro posterior de la caja de cambios.

Main Data Datos Principales	Shaft 1 Eje 1	Shaft 2 Eje 2	
Max. Torque Par máximo	332 Lb.ft // 450 Nm	369 Lb.ft // 500 Nm	
Power (1000 r.p.m.) Potencia (1000 r.p.m.)	64 C.V // 48 kW	71 C.V // 53 kW	
Pump rotation Sentido de giro de la bomba	Output 1 Salida 1	Output 2 Salida 2	Output 3 Salida 3
	CW Derecho	CCW Izquierdo	CW Derecho

General Data Datos Generales

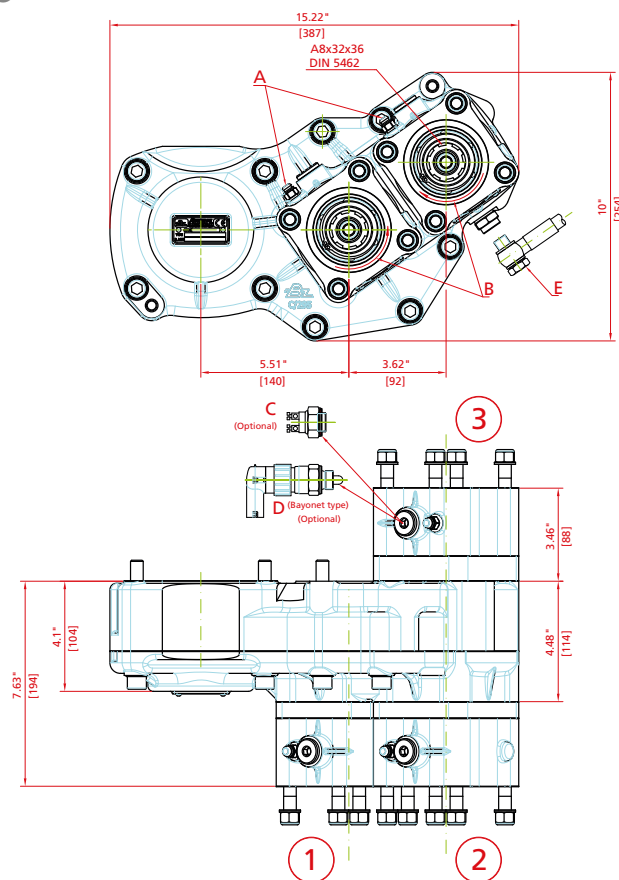
Weight Peso	66,14 Lb // 30 Kg
Mounting side Lado de montaje	Rear Posterior
Maximum Torque when 2 or more outputs are working simultaneously. Par máximo cuando 2 o mas salidas estén trabajando al mismo tiempo.	369 Lb.ft // 500 Nm

Power outputs greater than 75 kW require an oil cooler.
Potencia de salidas superior a 75 kW requiere un enfriador de aceite.

Part Numbers and Combinations Códigos y Combinaciones

Output types Tipos de salida	Output / Salida			11107K		
Null Nulo	0	0	0			
Flange Plato	2	2	2			
Pump Bomba	3	3	3			
Base PTO Kit with flange Kit toma de fuerza base con brida		+		Adapter shaft kit Kit de eje adaptador		
				R1000, SR1700, ... (L=249mm)		110204
				R1000, ... Retarder (L=284mm)		110504
				DT-2412C, V2412 (L=209mm)		116704

Rear - Pneumatic
Frontal - Neumático



Output 3 / Salida 3

For output 3 maximum
recommended pump
size is F1-60

En salida 3 máxima bomba
recomendada es F1-60.

Notes Notas

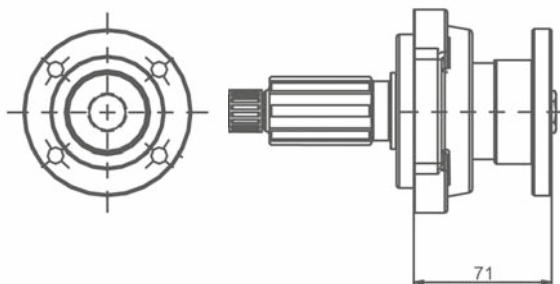
A	Air connections, thread BSP 1/8"	A	Tomas de aire, rosca 1/8" GAS.
B	Senses of rotation	B	Sentidos de giro
C	Pressure switch. P/N 100070018	C	Interruptor neumático (100070018)
D	Passing contact switch. P/N 9024999	D	Interruptor de contacto (9024999)
E	Lubrication Hose. P/N 9070599	E	Latiguillo lubricación (9070599)

Output types Tipos de salida

Flange / Plato

SAE: 1100
1300
1400

DIN: 90
100



NOTES

- For outputs 1 or 2 with flange 1300/DIN 100 maximum pump size is FR-110, with flange 1400, maximum pump size is FR-60.
- In case of pump output on both 1&2 outputs, maximum pump size will be FR-60.

NOTAS

- En salida 1 ó 2 con plato 1300/ DIN 100 máxima bomba que se puede montar es FR-110, con plato 1400, máximo tamaño de bomba FR-60.
- Cuando las salidas 1 y 2 sean de compacto, el tamaño máximo de la bomba para ambas salidas sera FR-60.

Rear - Pneumatic
Frontal - Neumático (1:1)



Description Descripción

Power Take-off direct, internal ratio 1:1 to connect Iso 4 bolts pumps. Pneumatic shifting, mounting on rear 4 bolts-window of the Gearbox. Optional: Passing contact switch or pressure switch.

Toma de fuerza directa, relación interna 1:1 para montar bombas ISO 4 taladros. Accionamiento neumático, montaje sobre el registro frontal de 4 taladros de la caja de cambios. Indicador de funcionamiento opcional.

Main Data Datos Principales

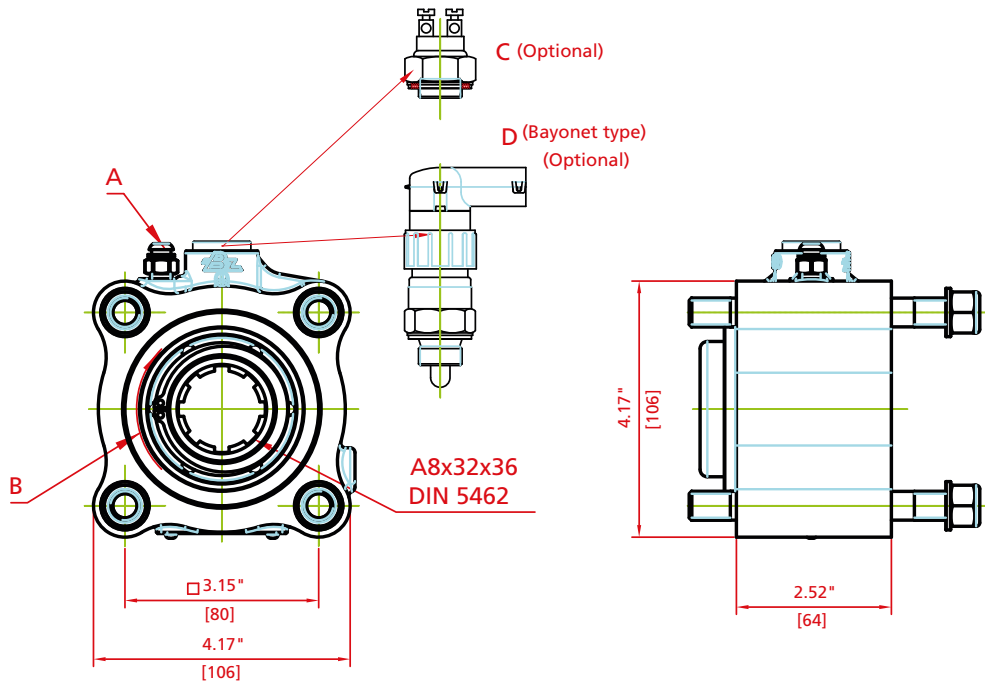
Max. Torque Par máximo	590 Lb.ft // 800 Nm
Power (1000 r.p.m.) Potencia (1000 r.p.m.)	114 C.V // 85 kW
Mounting position Lado de montaje	Rear Posterior
Pump rotation Sentido de giro de la bomba	Anti ClockWise Izquierdo
Weight Peso	5,29 lb // 2,4 Kg

Part Numbers and Combinations Códigos y Combinaciones

Output types Tipos de salida		Flange Plato	Pump Bomba (DIN 5462)
Pneumatic shifting Accionamiento neumático		1015K02	1015K03

ZF Base PTO

Rear - Pneumatic
Frontal - Neumático (1:1)



Notes Notas			
A	Air connection, thread 1/8" BSP	A	Toma de aire, rosca 1/8" GAS
B	Rotation	B	Sentido de giro
C	Pressure switch. P/N 100070018	C	Interruptor neumático. (100070018)
D	Passing contact switch. P/N 9024999	D	Interruptor de contacto. (9024999)

Output types Tipos de salida

SAE:

1100

7015504

1300

7015604

1400

7015804

DIN:

90

7015704

100

7015704

Flange Adapter / Adaptador Plato

Technical drawing of the Flange Adapter. The front view shows a square flange with four mounting holes. The side view shows the adapter with a height of 2.8" [71].

Rear - Pneumatic (High Performance)
Frontal - Neumático (Altas Prestaciones)



Description Descripción

Heavy Duty Power Take-off 2 gears, mounting on rear 4 bolts-opening of the Gearbox. Pneumatic shifting, to connect Iso 4 bolts pumps. Optional: Passing contact switch.

Toma de fuerza reforzada de 2 piñones, para montar en el registro frontal de 4 taladros de la caja de cambios. Accionamiento neumático, para montar bombas Iso 4 taladros. Indicador de funcionamiento opcional.

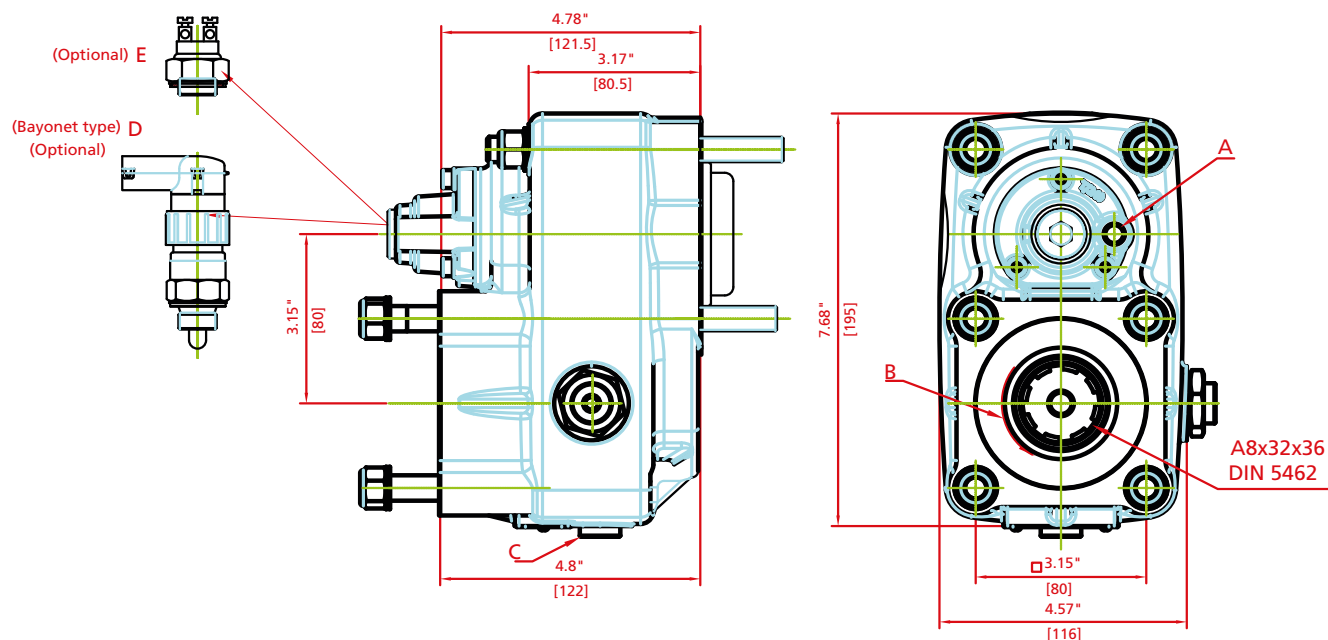
Main Data Datos Principales

Internal Ratio Relación Interna	1: 1,04	1: 1,26
Max. Torque Par máximo	590 lb.ft // 800 Nm	516 lb.ft // 700 Nm
Power (1000 r.p.m.) Potencia (1000 r.p.m.)	85 C.V // 64 kW	70 C.V // 53 kW
Mounting position Lado de montaje	Rear Posterior	
Pump rotation Sentido de giro de la bomba	ClockWise Derecho	
Weight Peso	39.68 lb // 18 Kg	

Part Numbers and Combinations Códigos y Combinaciones

Output types Tipos de salida			Flange Plato	Pump Bomba (DIN 5462)
Internal Ratio Relación Interna	1: 1,04		1022002	1022003
	1: 1,26		1021902	1021903

Rear - Pneumatic (High Performance) Frontal - Neumático (Altas Prestaciones)



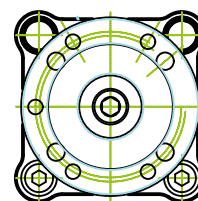
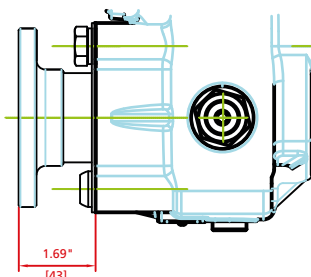
Notes Notas

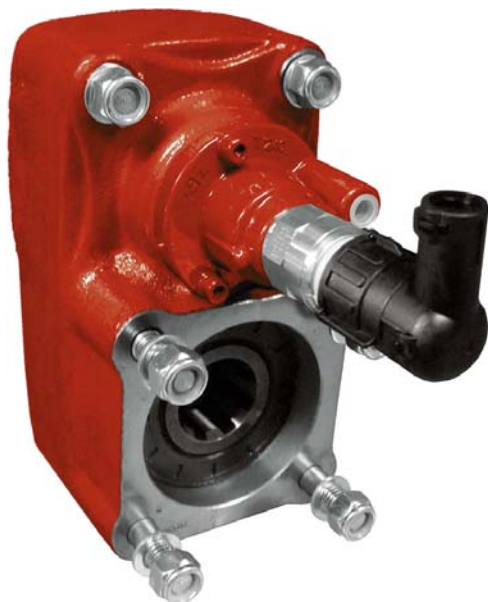
On continuous works & high torque: Install an oil cooler		Trabajo cont.-Alto par: Montar enfriador aceite	
A	Air connection, thread 1/4" BSP	A	Toma de aire, rosca 1/4" GAS
B	Rotation	B	Sentido de giro
C	Oil drain plug	C	Tapón de drenaje del aceite
D	Passing contact switch. P/N 9024999	D	Interruptor de contacto. (9024999)
E	Pressure switch. P/N 100070018	E	Interruptor neumático (100070018)

Output types Tipos de salida

Flange / Plato

SAE:	1100
	1300
	1400
DIN:	90
	100



Rear - Pneumatic
Frontal - Neumático (1: 1,32)**Description Descripción**

Power Take-off two gears, internal ratio 1:1,32, to connect Iso 4 bolts pumps. Pneumatic shifting (Central Piston), mounting on rear 4 bolts-window of the Gearbox. Optional: Passing contact switch.

Toma de fuerza de dos piñones, relación interna 1:1,32, para montar bombas ISO 4 taladros. Accionamiento neumático (Pistón Central), montaje sobre el registro posterior de la caja de cambios. Indicador de funcionamiento opcional.

Main Data Datos Principales

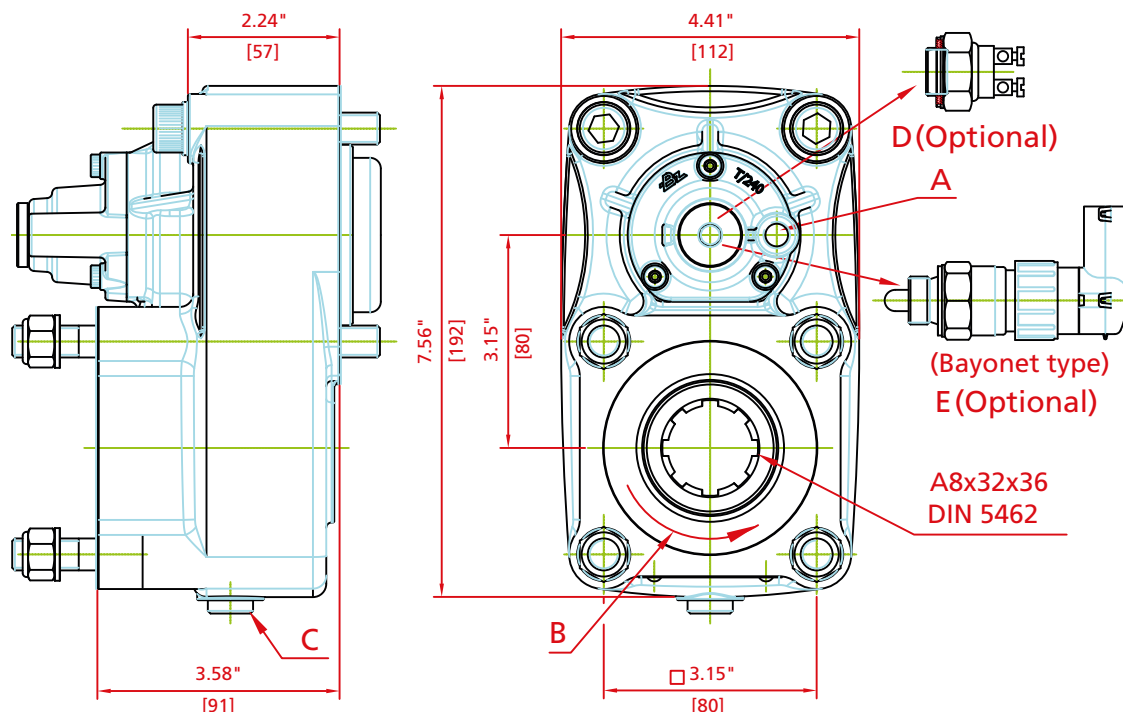
Max. Torque Par máximo	310 Lb.ft // 420 Nm
Power (1000 r.p.m.) Potencia (1000 r.p.m.)	42 C.V // 32 kW
Mounting position Lado de montaje	Rear Posterior
Pump rotation Sentido de giro de la bomba	ClockWise Derecho
Weight Peso	9.84 lb // 11 Kg

Part Numbers and Combinations Códigos y Combinaciones

Output types Tipos de salida		Flange Plato	Pump Bomba (DIN 5462)
Pneumatic shifting Accionamiento neumático		1010K02	1010K03

Rear - Pneumatic

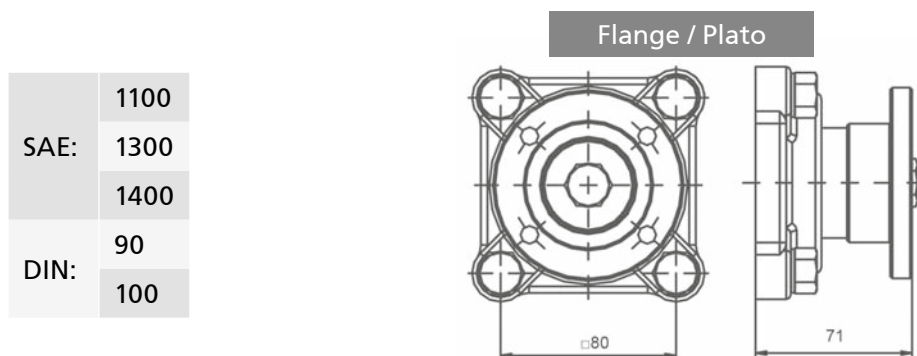
Frontal - Neumático (1: 1,32)



Notes Notas

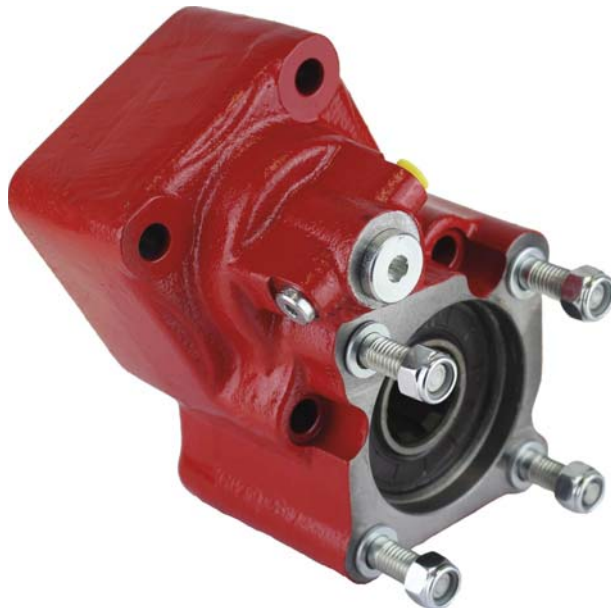
A	Engage PTO, thread 1/8" BSP	A	Toma de aire, rosca 1/8" GAS
B	Rotation	B	Sentido de giro
C	Oil drain plug	C	Tapón de drenaje del aceite
D	Pressure switch. P/N (100070018)	D	Interruptor neumático. (100070018)
E	Passing contact switch. P/N 9024999	E	Interruptor de contacto. (9024999)

Output types Tipos de salida



Rear Pneumatic - Heavy Duty, Rotated

Posterior Neumático - Reforzado, girado



Description Descripción

Rear PTO with a 5th additional bolt for a better support with heavy pumps (ZF Ecosplit, Astronic and TraXon) through our integrated flanges. Pneumatic shifting, ISO 4 bolts pump rotated output.

Toma de fuerza con 5° tornillo adicional para mejor sujeción de bombas pesadas (ZF Ecosplit, Astronic y TraXon) con nuestras bridas integradas. Accionamiento neumático, salida girada para bombas ISO 4 taladros. Indicador de funcionamiento opcional de bayoneta o presostato.

Main Data Datos Principales

Relación Interna Internal Ratio	1: 1.8	1: 1.5	1: 1.3
Max. Torque Par máximo	361 lb.ft // 490 Nm	413 lb.ft // 560 Nm	465 lb.ft // 630 Nm
Power (1000 r.p.m.) Potencia (1000 r.p.m.)	75 C.V. // 56 Kw	85 C.V. // 64 Kw	96 C.V. // 72 Kw
Mounting position Lado de montaje	Rear Posterior		
Pump rotation Sentido de giro de la bomba	ClockWise Derecho		
Weight Peso	25,24 lb // 11,45 Kg		

Part Numbers and Combinations Códigos y Combinaciones

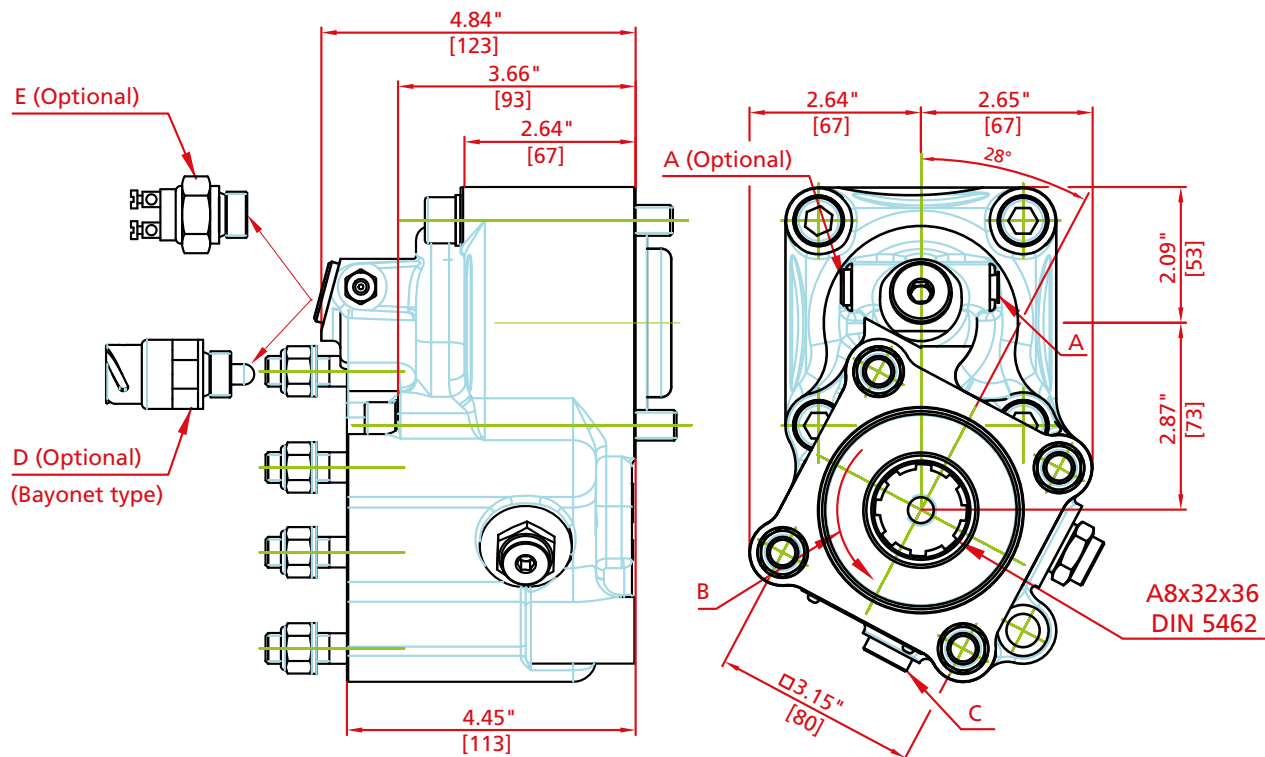
Output types Tipos de salida		Flange Plato	Pump Bomba (DIN 5462)
Internal Ratio Relación Interna	1: 1.8	102K002	102K003
	1: 1.5	102K102	102K103
	1: 1.3	102K202	102K203

NOTE: It is not possible the use of adapters to change the rotation with this Power Take-off

NOTA: No es posible el uso de inversores de giro con esta Toma de Fuerza

Rear Pneumatic - Heavy Duty, Rotated

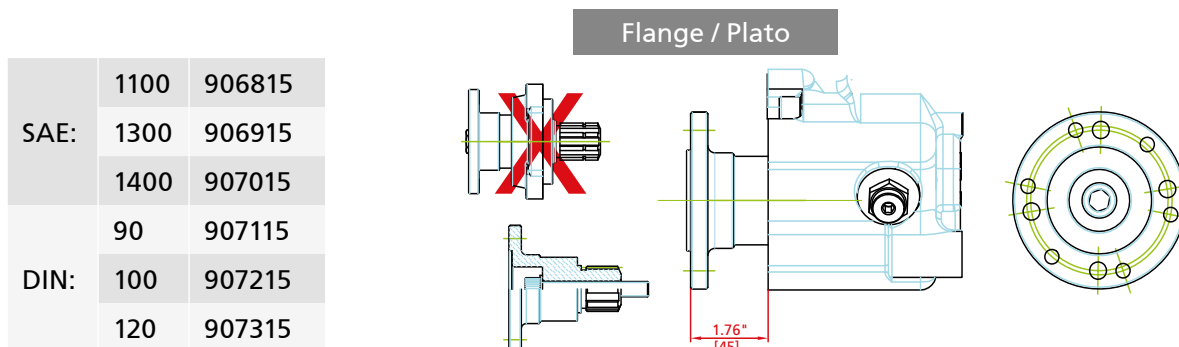
Posterior Neumático - Reforzado, girado



Notes Notas

A	Air connection, thread BSP 1/8"	A	Toma de aire, rosca 1/8" GAS.
B	Rotation.	B	Sentido de giro.
C	Oil drain plug.	C	Tapón de drenaje.
D	Passing contact switch P/N 9024999	D	Interruptor de contacto (9024999)
E	Pressure switch P/N 100070018	E	Interruptor neumático (100070018)

Output types Tipos de salida



Rear - Pneumatic
Frontal - Neumático



Description Descripción

Power Take-off two gears, mounting on rear 4 bolts-windows of the Gearbox. Pneumatic shifting and ISO 4 bolts pump rotated output. Toma de fuerza de 2 piñones, para montar en el registro frontal de 4 taladros de la caja de cambios. Accionamiento neumático y salida girada para bombas ISO 4 taladros.

Main Data Datos Principales

Max. Torque Par máximo	310 lb.ft // 420 Nm
Power (1000 r.p.m.) Potencia (1000 r.p.m.)	42 C.V // 32 kW
Mounting position Lado de montaje	Rear Posterior
Pump rotation Sentido de giro de la bomba	ClockWise Derecho
Weight Peso	24,25 lb // 11 Kg

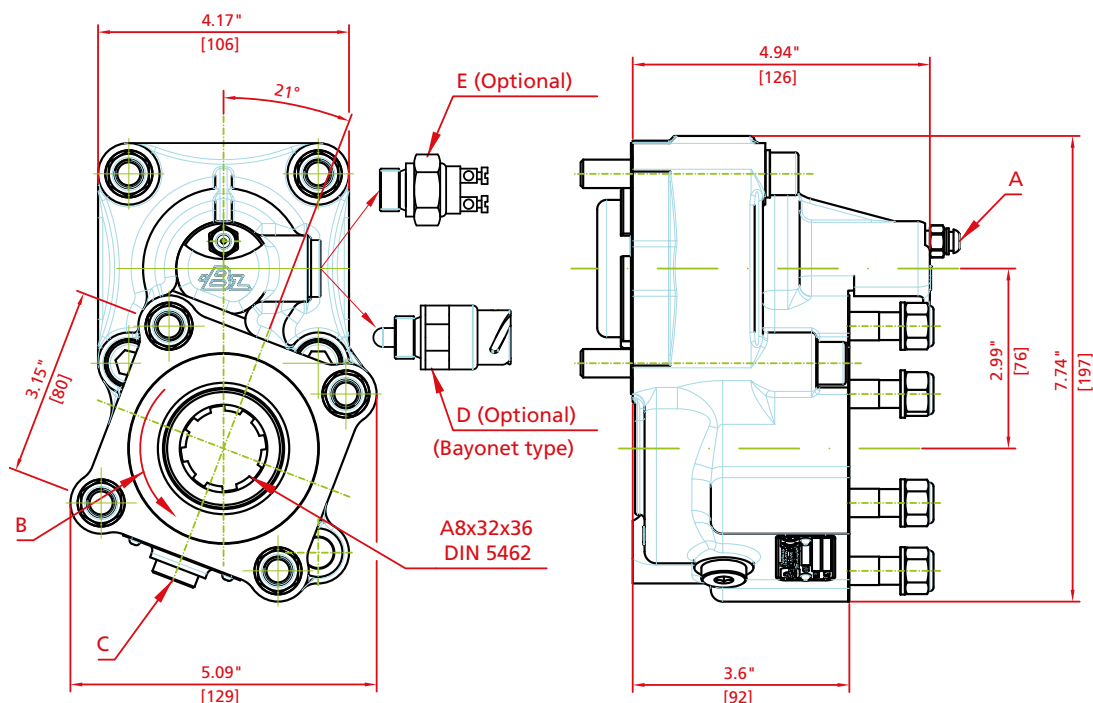
Part Numbers and Combinations Códigos y Combinaciones

Output types Tipos de salida		Flange Plato	Pump Bomba (DIN 5462)
Internal Ratio Relación Interna 1:1.5		1026002	1026003
Internal Ratio Relación Interna 1:1.3		1028702	1028703

NOTE: It is not possible the use of adapters to change the rotation with this Power Take-off
NOTA: No es posible el uso de inversores de giro con esta Toma de Fuerza

ZF Base PTO

Rear - Pneumatic
Frontal - Neumático



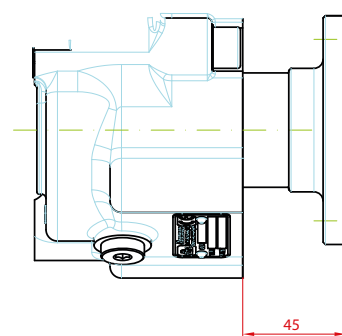
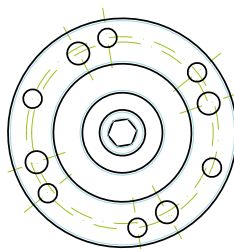
Notes Notas

A	Engage PTO, thread 1/8" BSP	A	Toma de aire, rosca 1/8" GAS
B	Rotation	B	Sentido de giro
C	Oil drain plug	C	Tapón de drenaje del aceite
D	Passing contact switch P/N 9024999	D	Interruptor de contacto (9024999)
E	Pressure switch. P/N. 100070018	E	Interruptor neumático (100070018)

Output types Tipos de salida

SAE:	1100	906815
	1300	906915
	1400	907015
DIN:	90	907115
	100	907215
	120	907315

Flange / Plato



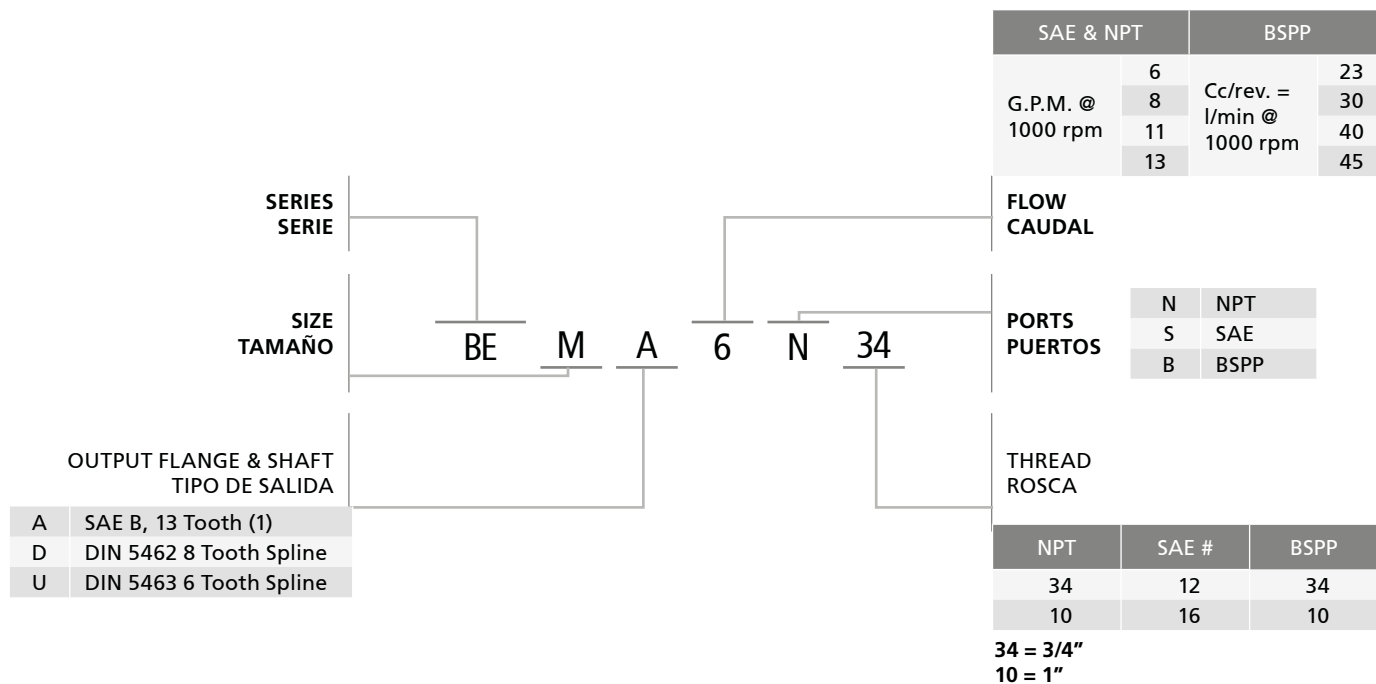


Description Descripción

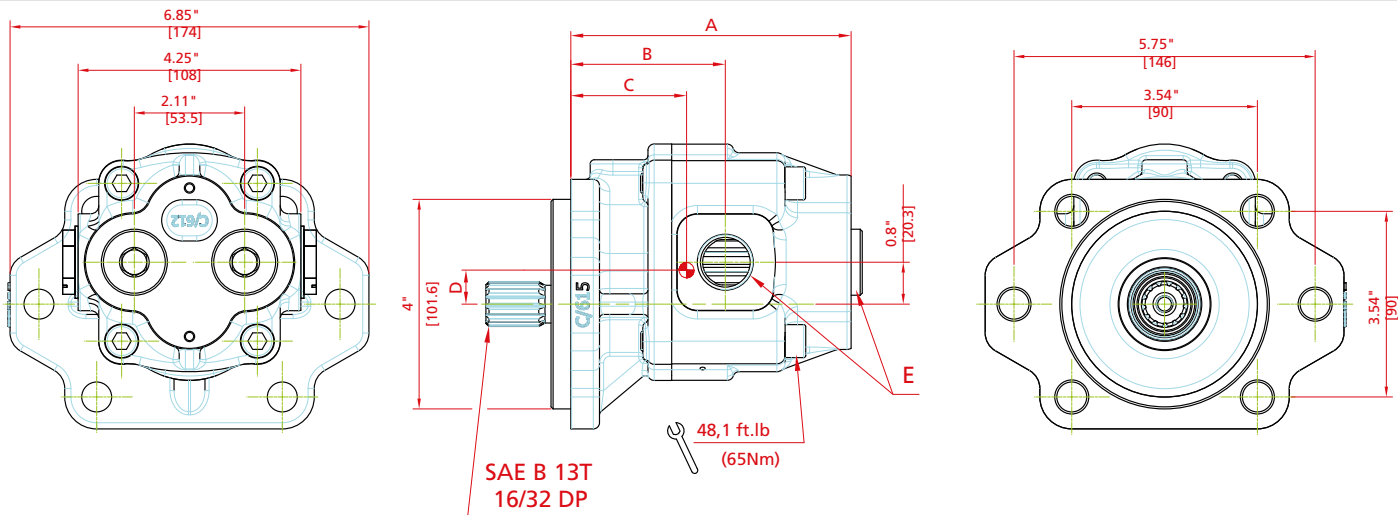
BEM series is a bi-rotational bushing style gear pump with side and rear ports. Designed and engineered for a wide range of applications offering high efficiency and performance. A wide range of flanges, shafts, displacements, and porting options available.

BEM es una serie de bomba bidireccional de engranajes con puertos laterales y traseros, adecuada para aplicaciones de alta presión debido a sus altas prestaciones y eficiencia. La serie BEM incluye una amplia variedad de opciones para cubrir la mayoría de las aplicaciones más comunes del mercado.

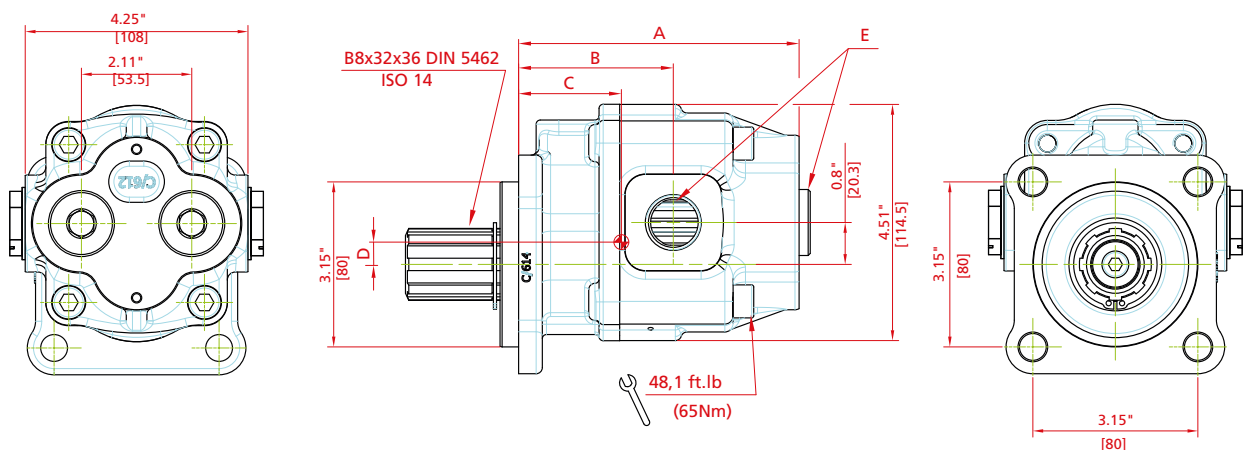
Part Number Breakdown Codificación PTO



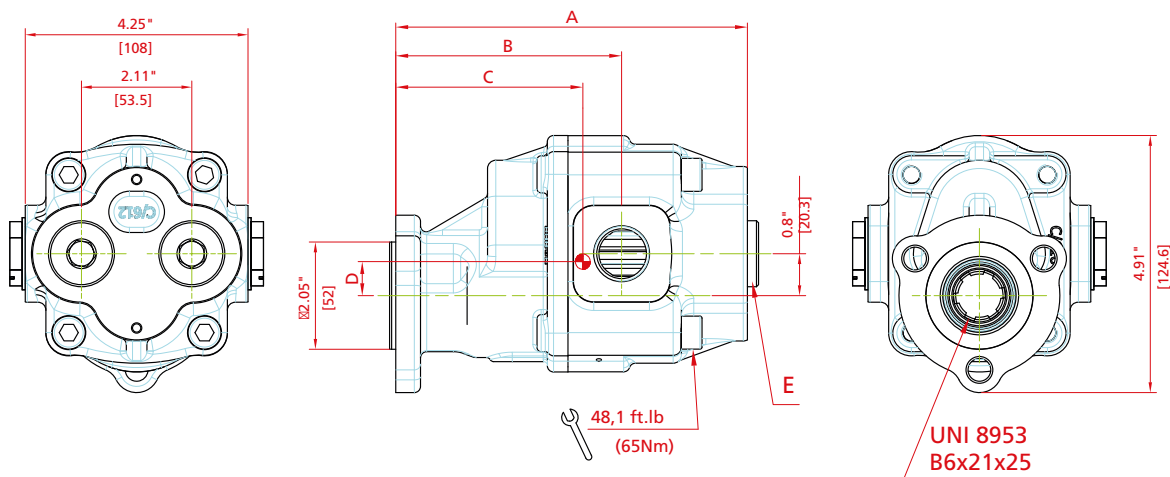
BEMA PUMP



BEMD PUMP



BEMU PUMP



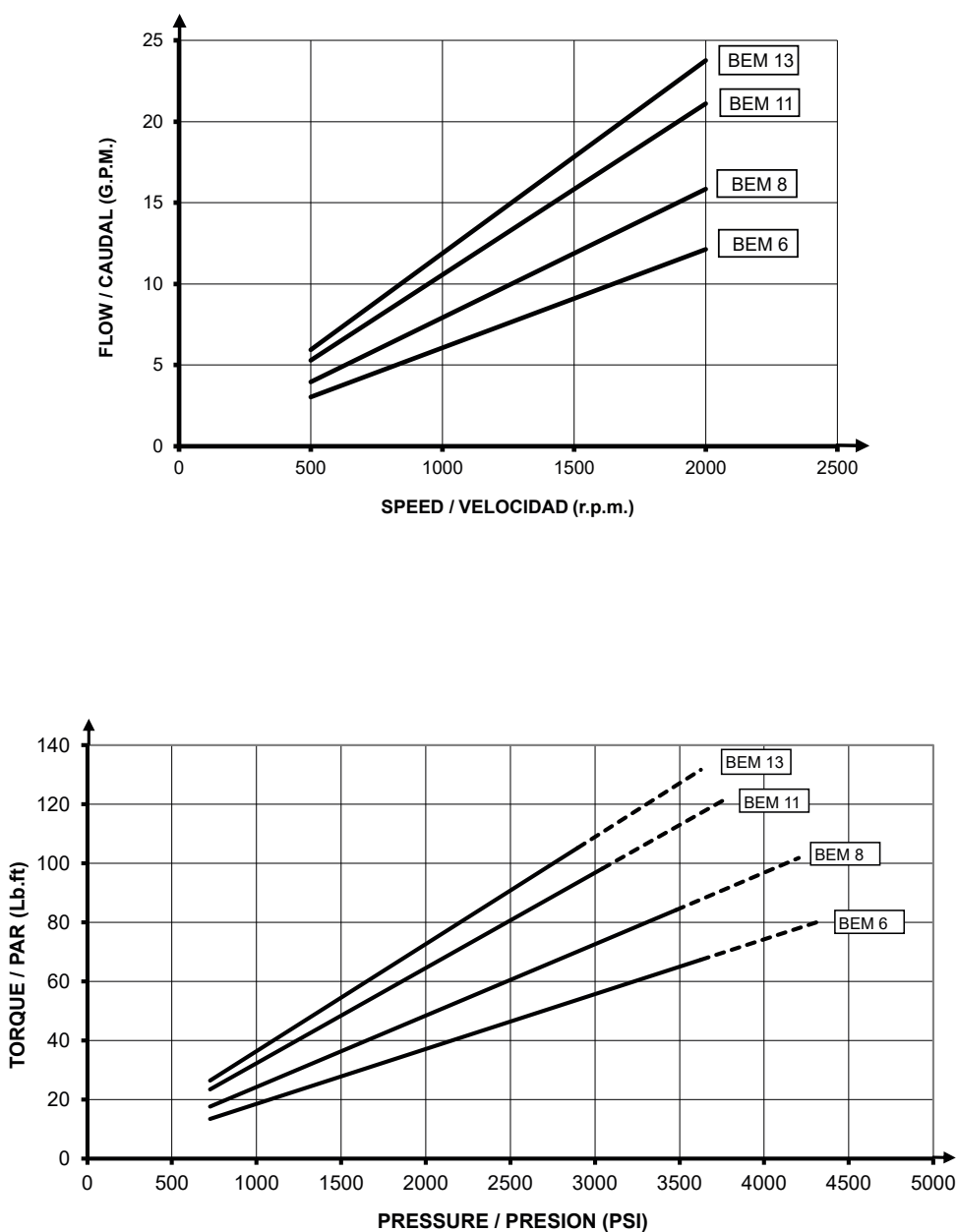
Main Data Datos Principales

Pump Type Tipo de Bomba		BEM 6 (23)	BEM 8 (30)	BEM 11 (40)	BEM 13 (45)	
Displacement Desplazamiento cu in/rev (cm3/rev)		1.403 (23)	1.769 (29)	2.501 (41)	2.806 (46)	
Flow rate Caudal G.P.M. (L/min)		6 (23)	7.6 (30)	10.8 (40)	12.1 (45)	
Maximum continuous pressure (P1) Presión máxima continua PSI (bar)		3600 (250)	3500 (240)	3000 (210)	2900 (200)	
Max. peak pressure (P3) Presión máxima pico PSI (bar)		4400 (300)	4200 (290)	3800 (260)	3600 (250)	
Speed Velocidad (r.p.m)	min. (P1)	500				
	máx. (P1)	2000				
Size Dimensiones	A	ISO / SAE	5.118 (130)	5.354 (136)	5.886 (149.5)	6.102 (155)
		UNI	6.476 (164.5)	6.713 (170.5)	7.244 (184)	7.460 (189.5)
	B	ISO / SAE	2.894 (73.5)	2.953 (75)	3.110 (79)	3.189 (81)
		UNI	4.252 (108)	4.311 (109.5)	4.469 (113.5)	4.547 (115.5)
	C	ISO / SAE	2.236 (56.8)	2.389 (60.7)	2.696 (68.5)	2.826 (71.8)
		UNI				
	D		0.641 (16.3)	0.649 (16.5)	0.665 (16.9)	0.673 (17.1)
	E	SAE	#12 or #16	#12 or #16	#12 or #16	#12 or #16
		NPT	3/4" or 1"	3/4" or 1"	3/4" or 1"	3/4" or 1"
		BSP	3/4" or 1"	3/4" or 1"	3/4" or 1"	3/4" or 1"
			52 ft.lb (70Nm)	52 ft.lb (70Nm)	52 ft.lb (70Nm)	52 ft.lb (70Nm)
Weight Peso Lb (kg)	ISO / SAE	14.77 (6.7)	15.65 (7.1)	17.19 (7.8)	17.85 (8.1)	
	UNI	15.87 (7.2)	16.75 (7.6)	18.30 (8.3)	18.96 (8.6)	

Rotation direction Dirección de Rotación		Bi-directional Reversible	
Recommended Input Pressure Presión entrada recomendada	Recommended Recomendado	From Desde	To Hasta
		10.15 PSI (0.7 bar) abs	43.5 PSI (3 bar) abs
Temperatures Temperaturas		-13°F (-25°C)	+176°F (+80°C)
Recommended Oil Aceite recomendado	Mineral oil based hydraulic fluids to ISO / DIN and fire resistant fluids. Según aceites hidráulicos ISO / DIN y aceites resistentes al fuzego.		
Viscosity Viscosidad	Recommended Recomendado	From 12 to 100 mm2/s (cST) Desde 12 hasta 100 mm2/s (cST)	
	Allowed Permitido	Max. 750 mm2/s (cST)	

Performances Curves

Curvas de Rendimiento



Important: Consult fitting Instructions Importante: Consultar instrucciones de Montaje



Description Descripción

BEL series is a bi-rotational bushing style gear pump with side and rear ports. Designed and engineered for a wide range of applications offering high efficiency and performance. A wide range of flanges, shafts, displacements, and porting options available. BELS Pump includes a support bearing at the end of shaft to absorb radial loads.

BEL es una serie de bomba bidireccional de engranajes con puertos laterales y traseros, adecuada para aplicaciones de alta presión debido a sus altas prestaciones y eficiencia. La serie BEL incluye una amplia variedad de opciones para cubrir la mayoría de las aplicaciones más comunes del mercado. BELS incluye además un rodamiento de soporte en el extremo del eje para absorber cargas radiales y axiales.

Part Number Breakdown - Codificación PTO

		SAE & NPT		BSPP	
G.P.M. @ 1000 rpm	13	Cc/rev. = l/min @ 1000 rpm	50		
	16		60		
	19		70		
	22		80		
	26		100		
	30		120		
		FLOW CAUDAL			
PORTS PUERTOS	N	NPT			
	S	SAE			
	B	BSPP			
		THREAD ROSCA			
		PUMP SIZE	NPT	SAE #	BSPP
		De 50 a 80L/min From 13 to 22 GPM	14	20	14
		De 100 a 120 L/min From 26 to 30 GPM	14	20	14
			12	24	12
		14 = 1 1/4"			
		12 = 1 1/2"			

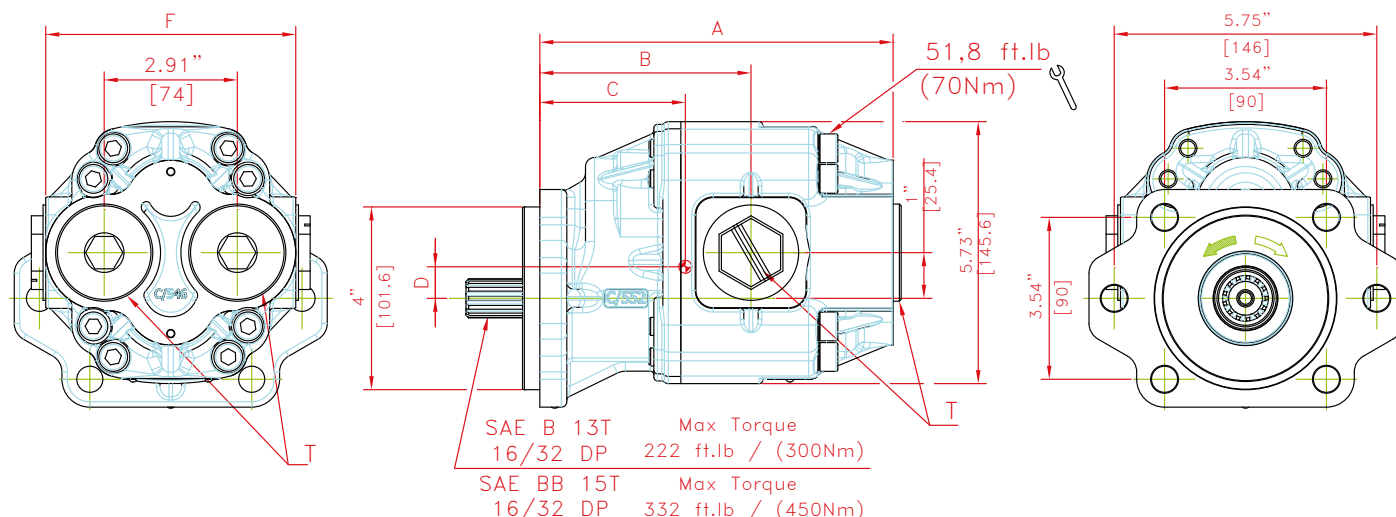
SERIES SERIE		SIZE TAMAÑO		OUTPUT FLANGE & SHAFT TIPO DE SALIDA				
BE	L	A	13	N	14			
A	SAE B, 13 Tooth (1)							
B	SAE BB, 15 Tooth (2)							
D	DIN 5462 8 Tooth Spline							
S	DIN 5462 8 Tooth Spline, Suported							

NOTES: NOTAS

(1) NOT AVAILABLE FOR 30 GAL SIZE
NO DISPONIBLE PARA 30 GAL.

(2) ONLY AVAILABLE FOR 26 AND 30 GAL SIZES
SOLO DISPONIBLE PARA TAMAÑO DE 26 Y 30 GALONES

BELA / BELB PUMP - SAE B 13T, SAE BB 15T



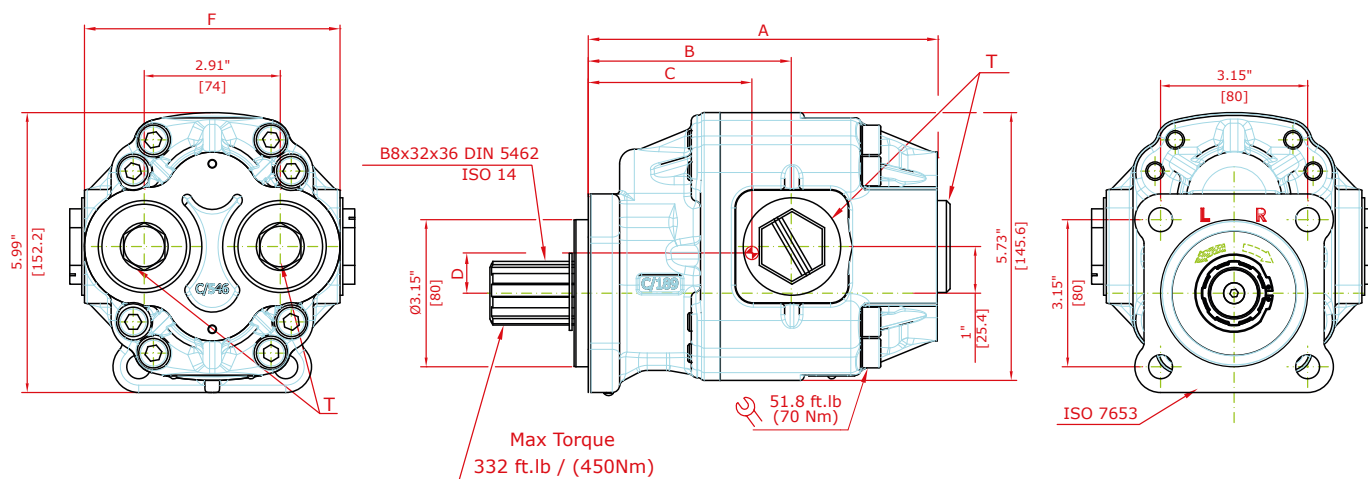
Main Data Datos Principales

Pump Type Tipo de Bomba	BELA 13 (13T) (50)	BELA 16 (13T) (60)	BELA 19 (13T) (70)	BELA 22 (13T) (80)	BELA 26 (13T) (100)	BELB 26 (15T) (100)	BELB 30 (15T) (120)
Displacement Desplazamiento cu in/rev (cm3/rev)	3.05 (50)	3.66 (60)	4.27 (70)	4.88 (80)	6.1 (100)		7.02 (115)
Flow rate Caudal G.P.M. (L/min)	13.2 (50)	15.9 (60)	18.5 (70)	21.1 (80)	26.4 (100)		30.4 (115)
Maximum continuous pressure (P1) Presión máxima continua PSI (bar)	4000 (280)	3800 (260)	3500 (240)	2700 (190)	2600 (180)	2900 (200)	2700 (190)
Max. peak pressure (P3) Presión máxima pico PSI (bar)	4300 (300)	4200 (290)	4000 (270)	3200 (220)	2700 (190)	3200 (220)	3200 (220)
Speed Velocidad (r.p.m)	min. (P1)	500					
	máx. (P1)	2750			2500		
Size Dimensiones in (mm)	A	6.98 (177.3)	7.24 (183.9)	7.48 (189.9)	7.73 (196.4)	8.27 (210)	8.66 (219.9)
	B	4.23 (107.4)	4.46 (113.4)	4.39 (111.4)	4.66 (118.4)	4.43 (112.4)	4.82 (122.4)
	C	3.53 (89.7)	3.61 (91.7)	3.81 (96.9)	3.94 (100)	4.21 (107)	4.38 (111)
	D	0.88 (21.3)	0.84 (21.4)	0.86 (21.8)	0.86 (21.8)	0.87 (22.1)	0.96 (23.5)
	F	5.24 (133)		5.47 (139)		5.47 (139)	
T	SAE	#20			#20 or #24		#20 or #24
	NPT / BSPP	1 1/4"			1 1/4" or 1 1/2"		1 1/4" or 1 1/2"
Weight Peso Lb (kg)		28.5 (12.9)	29.8 (13.5)	31.32 (14.1)	32.63 (14.8)	35.71 (16.2)	35.2 (16)

* The maximum RPM and pressure ratings shown above are calculated under specific operating conditions. For more detailed information on your particular application needs please contact the Bezares Customer Service team.

Los datos de Velocidad máxima y presión mostrados arriba han sido calculados en condiciones específicas de trabajo. Si desea una información más personalizada para su aplicación, consulte con nuestro departamento post-venta.*.

BELD PUMP - ISO 4 Bolt



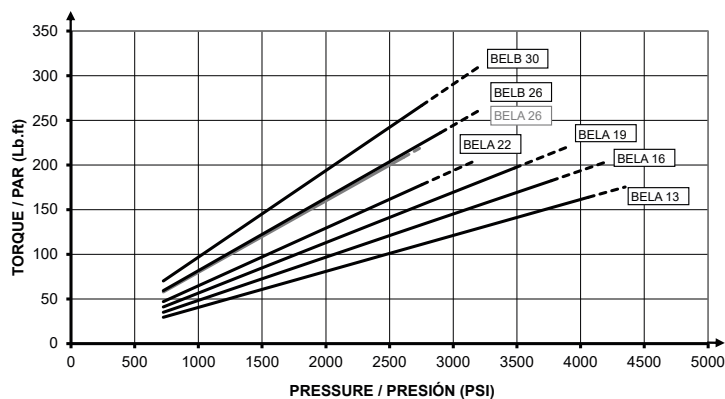
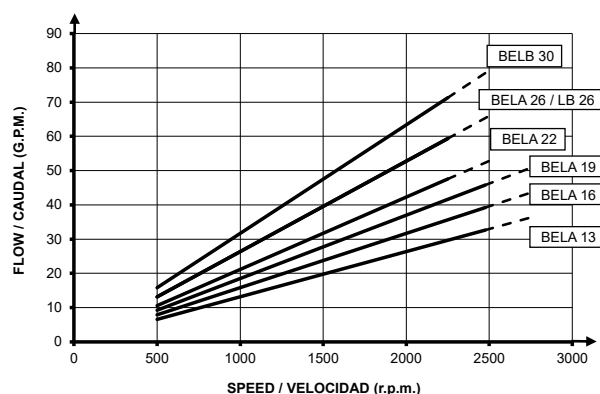
Main Data Datos Principales

Pump Type Tipo de Bomba		BELD 13 (50)	BELD 16 (60)	BELD 19 (70)	BELD 22 (80)	BELD 26 (100)	BELD 30 (120)
Displacement Desplazamiento cu in/rev (cm ³ /rev)		3.05 (50)	3.66 (60)	4.27 (70)	4.88 (80)	6.1 (100)	7.02 (115)
Flow rate Caudal G.P.M. (L/min)		13.2 (50)	15.9 (60)	18.5 (70)	21.1 (80)	26.4 (100)	30.4 (115)
Maximum continuous pressure (P1) Presión máxima continua PSI (bar)		4000 (280)	3800 (260)	3500 (240)	3200 (220)	2900 (200)	2700 (190)
Max. peak pressure (P3) Presión máxima pico PSI (bar)		4300 (300)	4200 (290)	4000 (270)	3600 (250)	3200 (220)	3200 (220)
Speed Velocidad (r.p.m)	min. (P1)	500					
	máx. (P1)	2750			2500		
Size Dimensiones in (mm)	A	6.72 (170.8)	6.99 (177.5)	7.22 (183.3)	7.48 (190)	8.01 (203.5)	8.40 (213.3)
	B	3.97 (100.8)	4.20 (106.8)	4.11 (104.5)	4.40 (111.8)	4.17 (105.8)	4.56 (115.8)
	C	3.42 (87)	3.50 (89)	3.71 (94.2)	3.84 (97.5)	4.13 (104.78)	4.29 (109)
	D	0.86 (21.8)	0.86 (21.9)	0.89 (22.5)	0.89 (22.5)	0.89 (22.6)	0.94 (24)
	F	5.24 (133)	5.24 (133)	5.47 (139)	5.47 (139)	5.47 (139)	5.47 (139)
	T	SAE #20	#20	#20	#20	#20 or #24	#20 or #24
	NPT / BSPP	1¼"	1¼"	1¼"	1¼"	1¼" or 1½"	1¼" or 1½"
Weight Peso Lb (kg)		28.21 (12.8)	29.76 (13.5)	31.30 (14.2)	34.17 (15.5)	37.48 (17)	39.02 (17.7)

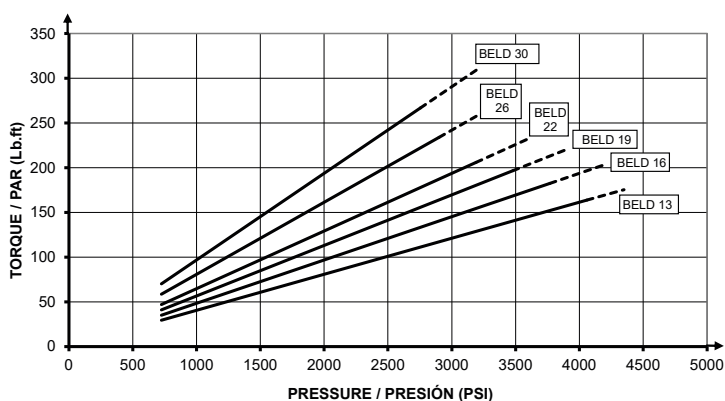
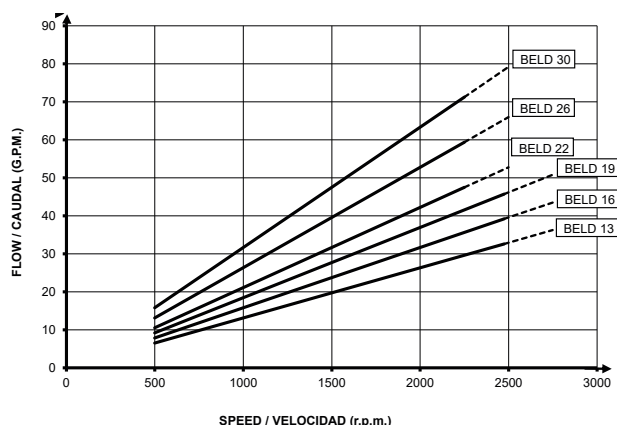
* The maximum RPM and pressure ratings shown above are calculated under specific operating conditions. For more detailed information on your particular application needs please contact the Bezares Customer Service team.

Los datos de Velocidad máxima y presión mostrados arriba han sido calculados en condiciones específicas de trabajo. Si desea una información más personalizada para su aplicación, consulte con nuestro departamento post-venta.

BELA / BELB PUMP



BELD PUMP



Rotation Dirección de Rotación		Bi-directional Reversible	
Input Pressure Presión de Entrada	Recommended Recomendado	From Desde	To Hasta
		10.15 PSI (0.7 bar) abs	43.5 PSI (3 bar) abs
Temperatures Temperaturas		-13°F (-25°C)	+176°F (+80°C)
Recommended Oil Aceite recomendado	Mineral oil based hydraulic fluids to ISO / DIN and fire resistant fluids. Según aceites hidráulicos ISO / DIN y aceites resistentes al fuzego.		
Viscosity Viscosidad	Recommended Recomendado	From 12 to 100 mm2/s (cST) Desde 12 hasta 100 mm2/s (cST)	
	Allowed Permitido	Up to 750 mm2/s (cST)	



Description Descripción

This line of fixed displacement bent axis piston pumps were developed with spherical head pistons. This provides extremely high performance and high pressure ratings on a long life span unit. Flow rates range from 10.5 to 29 GPM. These style pumps-motors are extremely efficient and very compact for easier and inexpensive installations compared to some of the more conventional bearing and bushing designs seen in the market today. Bent Axis pumps-motors will mount directly to virtually any Bezares PTO in our extensive line.

Esta es una bomba de pistones en ángulo de desplazamiento fijo, elaborada en el marco del diseño de los pistones de cabeza esférica. Esto da a la bomba un muy alto rendimiento, siguiendo los standard de montaje europeos. Por lo que esta bomba se puede montar directamente en la mayor parte de las Tomas de Fuerza en el mundo.

Datos Principales Main Data

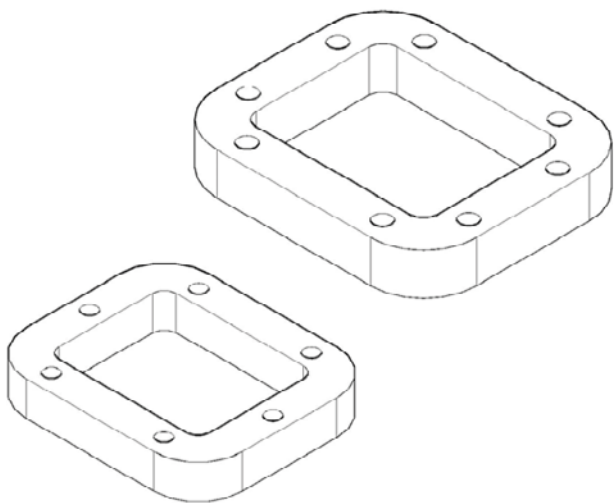
Pump Type Tipo de Bomba		5.5	8.4	10.4	15.8	20.8	28.9
P/N Código (CW Derecha)	ISO	5041806	5042006	5042206	5042406	5061006	5042806
	SAE	-	-	5045406 (z=13)	5045606 (z=13)	5058906 (z=15)	5046006 (z=15)
P/N Código (CCW Izquierda)	ISO	5041906	5042106	5042306	5042506	5061106	5042906
	SAE	-	-	5045306 (z=13)	5045506 (z=13)	5059006 (z=15)	5045906 (z=15)
Displacement Desplazamiento (cu in/ rev)		1.22	1.83	2.44	3.66	4.88	6.71
Pressure máx. Presión max. (PSI)	ISO	5076	5076	5076	5076	5076	5076
	SAE	-	-	4500	4500	4500	4000
Speed Velocidad r.p.m.	max. cont	2000	1800	1800	1500	1500*	1500*
	max. int.	2600	2400	2400	2200	2000	2000
Power Kw Potencia	cont.	25	36	33	40	47	66
	máx.int	35	48	46	56	66	88
Weight Peso (lb)	ISO	16.75	16.97	20.94	22.04	33.06	33.06
	SAE	-	-	22	23.72	34.39	34.39

*1700 rpm with suction hose Ø2 1/2"

*1700 rpm con manguera de aspiración Ø2 1/2"

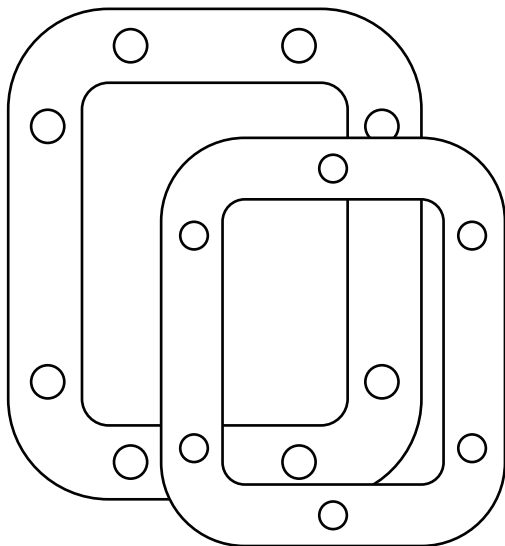
FR
Series

6 & 8 bolt Shims: 1000 / 1010 / 2000 / 2010 Series



PART	DESCRIPTION
6140S	6 bolt spacer. 0.140" (3.55 mm)
6165S	6 bolt spacer. 0.165" (4.19mm)
6187S	6 bolt spacer. 0.187" (4.75mm)
6200S	6 bolt spacer. 0.200" (5.08mm)
6240S	6 bolt spacer. 0.240" (6.09 mm)
6400S	6 bolt spacer. 0.400" (10.16mm)
6500S	6 bolt spacer. 0.500" (12.7 mm)
6550S	6 bolt spacer. 0.550" (13.97mm)
6562S	6 bolt spacer. 0.562" (14.275mm)
6700S	6 bolt spacer. 0.700" (17.78mm)
6800S	6 bolt spacer. 0.800" (20.32mm)
8190S	8 bolt spacer. 0.190" (4.826mm)
8248S	8 bolt spacer. 0.248" (6.29mm)
8295S	8 bolt spacer. 0.295" (7.49mm)
8600S	8 bolt spacer. 0.600" (15.24mm)
8700S	8 bolt spacer. 0.700" (17.78mm)

Gaskets



PART	DESCRIPTION
GA091	RA flange gasket
GA4015EC	End cover gasket 0.015" thick
GA4015SC	Shifter cover gasket
GA6010	6 bolt pattern .010 thickness
GA6015	6 bolt pattern .015 thickness
GA6020	6 bolt pattern .020 thickness
GA6032	6 bolt pattern .032 thickness
GA6062	6 bolt pattern .062 thickness
GA6093	6 bolt pattern .093 thickness
GA6125	6 bolt pattern .125 thickness
GA8010	8 bolt pattern .010 thickness
GA8015	8 bolt pattern .015 thickness
GA8020	8 bolt pattern .020 thickness
GA8032	8 bolt pattern .032 thickness
GA8062	8 bolt pattern .062 thickness
GA8093	8 bolt pattern .093 thickness
GA8125	8 bolt pattern .125 thickness

Stud Kits

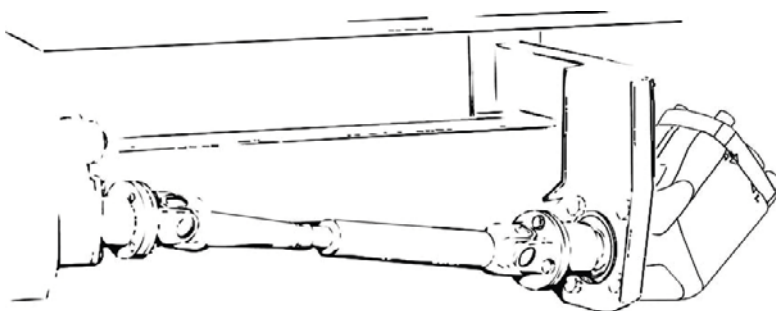
PART	DESCRIPTION	PART	DESCRIPTION
S1	6 bolt SAE mounting stud Kit - 50mm (furnished with 6 bolt pto)	M1	6 bolt metric mounting stud Kit (required on all FRO fuller transmissions)
S2	8 bolt SAE mounting stud Kit - 53mm (furnished with 8 bolt pto)	M2	8 bolt metric mounting stud Kit (required on all FRO fuller & Endurant transmissions)
S3	6 bolt SAE mounting stud Kit - 57 mm	M5	6 bolt metric mounting stud Kit
S4	8 bolt SAE mounting stud Kit	M7	6 bolt metric mounting stud Kit
S5	6 bolt SAE mounting stud Kit - 63 mm	M9	6 bolt metric mounting stud Kit
S6	8 bolt SAE mounting stud Kit	M11	6 bolt metric mounting stud Kit
S7	6 bolt SAE mounting stud Kit - 63mm	M17	6 bolt metric mounting stud Kit
S8	8 bolt SAE mounting stud Kit		
S9	6 bolt SAE mounting stud Kit		
S10	8 bolt SAE mounting stud Kit		
S11	6 bolt SAE mounting stud Kit		

Input Gears

#	Description	Nº of teeth
01	6 Pitch 20° SPUR - FULLER SERIES R/675	22
02	5 Pitch 20° SPUR - UNIVERSAL R/683	19
03	6 Pitch 17° 30' SPUR - SPICER R/736	22
04	6 Pitch 25° SPUR - ALLISON CLT700 R/965	23
05	6 Pitch 17° 30' - 26° 10' 37" LH - SPICER R677	21
06	6.100 Pitch 25° - 18° 40' 48" RH - FULLER TREMEC R/679	22
07	6.540 Pitch 18° 27' 54" - 23° 26' 48" LH Å - NAVISTAR R/693	23
08	7 Pitch 17° 30' - 28° 04' 23" LH - SPICER R/682	24
09	7 Pitch 20° - 20° RH - SPICER R/684	25
10	7 Pitch 20° - 20° LH - CHEVY R/678	25
11	7.36 Pitch 20° - 24° LH - CHEVY-SPICER R/699	25
13	7.62 Pitch 18° 29' 20" - 23° 12' 57" LH - NEW PROCESS R/718	26
14	10.1 Pitch 20° SPUR - FULLER R/737	39
15	6.100 Pitch 25° - 32° 30' LH - FS4005C /4205C R/717	19
16	10.3673 Pitch 20° - 28° LH - ZF R/716	36
17	6.35 Pitch 20° - 22° LH - EATON 6305A R/680	22
18	6.100 Pitch 20° 30' - 29° LH - FS3005 /4005AB R/681	19
20	7.9375 Pitch 22° 29' 55" - 30° LH - DODGE R/701	26
21	10.16 Pitch 17° - 28° LH - S5-42/5.72 R/676	29
22	6.100 Pitch 25° - 32° 16' 48" LH - EATON FULLER R/738	18
23	5.700 Pitch 25° - 38° 42' LH - EATON FS3005B R/714	17
24	6.4800 Pitch 17° 39' 10" SPUR - MACK R/695	23

#	Description	N° of teeth
25	7.500 Pitch 22° - 15° LH - EATON FS7206A R/715	28
26	6.5 Pitch 20° - 23° LH - EATON 6105B R/918	19
27	10.10 Pitch 21° 30' SPUR - EATON FULLER R/692	40
28	7.0 Pitch 23° - 26° LH - FULLER R/771	24
30	7 Pitch 25° - 30° 46' 48" LH - EATON FULLER R/698	22
33	6 Pitch 17° 30' - 22° 15' LH - SPICER R/697	21
34	7.00 Pitch 17° 30' - 18° LH - SPICER R/696	26
36	6 Pitch 20° - 17° 40' 41" LH - NEW PROCESS R/739	22
39	8.0829 Pitch 20° - 30° LH - WARNER R/741	26
41	8.0829 Pitch 20° - 30° LH - WARNER R/743	27
42	6.649 Pitch 20° - 21° 30' LH - FULLER R/770	23
50	9.229 Pitch 20° - 36° 2' LH - ZF 6S-750 R/694	26
51	7.0 Pitch 22° 30' - 19° LH - DODGE R/702	25
52	9.96 Pitch 20° - 28° 30' LH - ZED F R/700	34
55	6.7733 Pitch 22° 30' - 23° 51' 56" LH - MACK/RENAULT R/748	23
57	6.35 Pitch 20° SPUR - ZED F R/740	23
60	6.004 Pitch 20° SPUR - ALLISON	25
61	9.236 Pitch 20° - 36° LH - FORD R/754	26
63	10.16 Pitch 20° - 19° 15' 22" RH - ALLISON WORLD TRANS	49
64	6.864 Pitch 20° SPUR - ALLISON 1000/2000/2400 series	26
65	14.229 Pitch 0° 17' 59" SPUR - FORD TorqueShift 3900 Series	57
66	8.38 Pitch 17° 30' - 33° 6' LH - FULLER R/862	27
67	8.466 Pitch 20° SPUR - AISIN	32
68	8.10 Pitch 20° - 29° 28' 12" LH - TREMEC R/897	27
69	9.407 Pitch 17° 30' - 26° 28' LH - 1200 Series Dodge G-56	32
70	8.03 Pitch 17° 30' - 29° 57' 58" LH - MERCEDES G60 R/956	28
72	9.719 Pitch 19° SPUR - EATON RTS11909 G/054	38
73	9.547 Pitch 20° - 19° 44' 6" LH - CATERPILLAR CX28/31/35	45
75	8.048 Pitch 20° - 28° 58' RH - EATON ENDURANT HD G/210	27
77	7.165 Pitch 20° SPUR - EATON ENDURANT XD, XD Pro G/227	25

Universal Joint Angles



Shaft Speed (r.p.m.)	Max. Operating Angle
500	11°30'
1000	11°30'
1500	11°30'
2000	8°40'
2500	7°00'
3000	5°50'

Universal Joint Torques

Size	1000	1280	1310	1410
Torque Lb.Ft (Nm)	160 (215)	320 (430)	500 (680)	660 (890)

*Driveshaft applications are dependent on many factors such as: torque, shaft length, cardan series and speed.

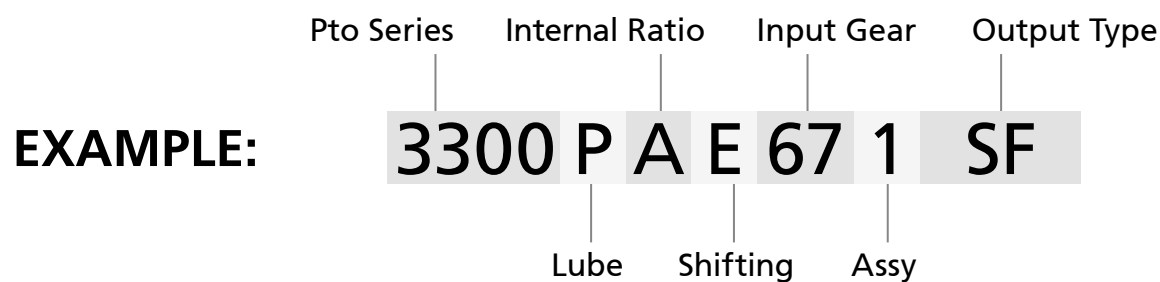
Suggested PTO Percentages

TYPE	Engine r.p.m.	PTO %
Aerial ladder and platforms	800-1500	80-130
Aerial bucket manlifts	800-1200	80-130
Aerial cranes digger derricks	800-1200	80-130
Auto carriers	idle	125-210
Auto tow trucks	idle-1200	90-120
Heavy-duty tow trucks	1000-1500	90-130
AIR COMPRESSORS		
85 ft. per min capacity	1200-2000	100
125 ft. per min capacity	1200-2000	100
180 ft. per min capacity	1200-2000	100
Blowers pneumatic (Normally uses 1 ¼" round shaft)	1500-3500	150-250
DUMP BODIES		
Small single axle	1000-2000	50-80
Medium single-tandem	1000-2000	80-100
Large tri-axle	1000-2000	60-130
Dump trailers	1000-2000	80-130
Dump trailers with moving floor	1000-1800	80-130
HYDRAULIC PUMPS		
1-15 gpm	idle-3000	80-130
16-35 gpm	idle-3000	80-130
36+ gpm	idle-3000	80-130
PRODUCT PUMPS		
Refuse	1000-1800	80-130
Snow plows	1000-3000	60-90
Spreaders mechanical	1200-2500	45-60
Spreaders hydraulic	1200-2500	75-90
Tailgates	idle	60-75
Walking floors	1000-1500	125-175
WINCHES (see hydraulic pumps)		

Brands	Pag.
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Ford	271
Mack Index	272
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Aisin Index

Transmission Model	Pag.
450-43LE	138
A443	138
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A445	138
A460	139
A465	138
A860E (Hino)	139
AS68RC	139
AS69RC	139
AX45X2	138
MO35A4	138
MO36A6	138
MY600	138



450-43LE

A443

A443E

A445

MO35A4

AIS.01

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)			250	49	M1A	(AI1,3)		ENG	67	
		C (73)		112	250	49	M1A	(AI1,3)		ENG	67	
		Z (40)			250	49	M1A	(AI1,3)		ENG	67	
3300		A (50)		76	250	49	M1A	(AI1,3)		ENG	67	
		B (55)		100	250	49	M1A	(AI1,3)		ENG	67	
		C (73)		112	250	49	M1A	(AI1,3)		ENG	67	
		Z (40)			250	49	M1A	(AI1,3)		ENG	67	

GENERAL NOTES:

All Aisin transmissions require special metric mounting studs, m10-1.25 X 50mm (bz#117020053) and special hose kits to fit the transmission pressure and lube ports. There is limited direct mount pump clearance.

FOOT NOTES:

AI1: Requires Lube Hose assembly PLH399A (BZ #9041399) and Pressure Hose (for electric/hydraulic shift) assembly PLH499A (BZ #9041499).

AI3: PTO speeds will vary due to Torque Converter slippage.

A465

AX45X2

MO36A6

MY600

AIS.02

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
3300		Z (40)			250	49	M1A	(AI1,3)	GA6032	ENG	67	
		A (50)		108	250	49	M1A	(AI1,3)	GA6032	ENG	67	
		B (55)		119	250	49	M1A	(AI1,3)	GA6032	ENG	67	
		C (73)		157	250	49	M1A	(AI1,3)	GA6032	ENG	67	

GENERAL NOTES:

All Aisin transmissions require special metric mounting studs, m10-1.25 X 50mm (bz#117020053) and special hose kits to fit the transmission pressure and lube ports. There is limited direct mount pump clearance.

FOOT NOTES:

AI1: Requires Lube Hose assembly PLH399A (BZ #9041399) and Pressure Hose (for electric/hydraulic shift) assembly PLH499A (BZ #9041499).

AI3: PTO speeds will vary due to Torque Converter slippage.

AS68RC
AS69RC
AIS.03

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
3300		Z (40)			250	49	M1A	DODGE (AI1,2,3)		ENG	67	
		A (50)		108	250	49	M1A	DODGE (AI1,2,3)		ENG	67	
		B (55)		119	250	49	M1A	DODGE (AI1,2,3)		ENG	67	
		C (73)		157	250	49	M1A	DODGE (AI1,2,3)		ENG	67	

GENERAL NOTES:

All Aisin transmissions require special metric mounting studs, m10-1.25 X 50mm (bz#117020053) and special hose kits to fit the transmission pressure and lube ports.

There is limited direct mount pump clearance.

Dodge-Converter lock up at 1200 RPM engine. PTO aperture added to driver's side, which requires a special low profile PTO. Use the same PTO drive gear for both sides/apertures as AS68RC.

FOOT NOTES:

AI1: Requires Lube Hose assembly PLH399A (BZ #9041399) and Pressure Hose (for electric/hydraulic shift) assembly PLH499A (BZ #9041499).

AI2: Clearance for PTO and pump mounting is very limited. Check installation envelope before attempting installation.

AI3: PTO speeds will vary due to Torque Converter slippage.

A460
A860E (Hino)
AIS.04

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
3300		Z (40)			250	49	M1A	(AI1,3)		ENG	67	
		A (50)		98	250	49	M1A	(AI1,3)		ENG	67	
		B (55)		108	250	49	M1A	(AI1,3)		ENG	67	
		C (73)		144	250	49	M1A	(AI1,3)		ENG	67	

GENERAL NOTES:

All Aisin transmissions require special metric mounting studs, m10-1.25 X 50mm (bz#117020053) and special hose kits to fit the transmission pressure and lube ports.

There is limited direct mount pump clearance.

FOOT NOTES:

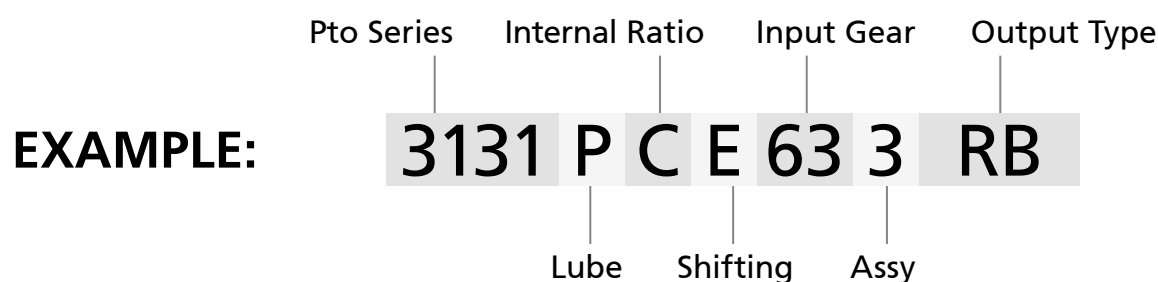
AI1: Requires Lube Hose assembly PLH399A (BZ #9041399) and Pressure Hose (for electric/hydraulic shift) assembly PLH499A (BZ #9041499).

AI3: PTO speeds will vary due to Torque Converter slippage.

For complete part numbers, consult the PTO Series section (page 25)

Allison Index

Transmission Model	Pag.	Transmission Model	Pag.	Transmission Model	Pag.
1000	141	CLBT-750(OPT.8BOLT)	148	MT-644CR	147
1000 EVS	141	CLBT-754	145	MT-647	147
1000 MH	141	CLT-750	145	MT-648	147
1000 RDS	141	CLT-750(OPT.8BOLT)	148	MT-650	147
2000	141	CLT-9485	147	MT-653	147
2100 EVS	141	CLT-9880	147	MT-653DR	147
2100 MH	141	CLT-9884	147	MT-654	147
2100 RDS	141	CLT-9885	147	S-5600	144
2200 EVS	141	HD-4060P	143	S-6600	144
2200MH	141	HD-4070P	143	S-8610	147
2200 RDS	141	HD-4560P	143	S-9600	147
2300 RDS	141	HT-740CRD	145	S-9800	147
2400	141	HT-740D	145		
2500 EVS	141	HT-740D(OPT.8BOLT)	148		
2500 MH	141	HT-740DRD	145		
2500 RDS	141	HT-740T	145		
3000 EVS	142	HT-750CRD	145		
3000 MH	142	HT-750CRD(OPT.8BOLT)	148		
3000 RDS	142	HT-750D	145		
3000 TRV	142	HT-750DP	145		
3200 TRV	142	HT-750DRD	145		
3500 EVS	142	HT-750DRD(OPT.8BOLT)	148		
3500 RDS	142	HT-750DT	145		
4000 EVS	143	HT-750HT	145		
4000 MH	143	HT-750T	145		
4000 RDS	143	HT-754CR	145		
4000 TRV	143	HT-754CR(OPT.8BOLT)	148		
4500 EVS	143	M-5600	144		
4500 RDS	143	M-5610	144		
4700 EVS	143	M-6600	144		
4700 OFS	143	M-8610	147		
4700 RDS	143	M-9600	147		
4800 EVS	143	M-9800	147		
AT-540	144	MD-3060P	142		
AT-542	144	MD-3060P W/ Top opening	146		
AT-543	144	MD-3066P	142		
AT-545	144	MD-3066P W/ Top opening	146		
B210	141	MD-3070PT	142		
B220	141	MD-3560P	142		
B300	142	MD-3560P W/ Top opening	146		
B400	142	MT-640	147		
B500	143	MT-643	147		
CLBT-750	145	MT-644	147		



1000
1000 EVS
1000 RDS

1000 MH
2000
2100 EVS

2100 RDS
2100 MH
2200 EVS

2200 RDS
2200MH
2300 RDS

2400
2500 EVS
2500 MH

2500 RDS
B210
B220

ALL.01

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		135	250	49	M1	(A2,3,4,5,6,7,8,9,10,11,12,14)		ENG	64	
3300		Z (40)		99	250	49	M1	(A2,3,4,5,6,7,8,9,10,11,12,14)		ENG	64	
		A (50)		123	250	49	M1	(A2,3,4,5,6,7,8,9,10,11,12,14)		ENG	64	
		B (55)		135	250	49	M1	(A2,3,4,5,6,7,8,9,10,11,12,14)		ENG	64	
		C (59)		150	250	49	M1	(A2,3,4,5,6,7,8,9,10,11,12,14)		ENG	64	

GENERAL NOTES:

When using 1000 series on Allison, light gear noise could develop.

Allison transmission identification:

Transmissions are now identified by the first 4 digits of the serial number on the tag:

6310 = All 1000 & 2000 series

6510 = All 3000 & md series

6610 = All 4000 & hd series

Generation 5 models have a converter lock up default of 1150 RPM engine speed. TCM's converter lock up can be set down to 900 RPM of engine.

FOOT NOTES:

- A2:** Must include proper "T" adapter fitting for pressure-lube hook-up into the cooler line:
MT600 Series Transmissions: FI401 (BZ #202120401)
AT500 Series Transmissions: FI511 (BZ #202120511)
HT700/CLT700/CLBT700 Series: FI521 (BZ #202120521)
1000/2000/B210/B220 Series: FI831 (BZ #202122831)
- A3:** Speeds shown are with transmission in torque converter lock-up. A PTO must be connected to the "PTO Enable" circuit (refer to Allison Body-Builders guide) and the converter turbine speed must be above 1100 RPM in order to achieve lock-up.
- A4:** May not be installable on GM Pick-Up Chassis.
- A5:** PTO interferes with exhaust on Right Side opening of C4500 & C5500 series Top Kick or Kodiak chassis.
- A6:** Transmission PTO drive gear has a 250 lb/ft torque limit. That limit drops to 200 lb/ft per opening when 2 PTO's are used and lower the PTO torque ratings by 20%.
- A7:** Use the "3" assembly arrangement on the Right Side for the International 4300 series chassis.
- A8:** For Isuzu, Nissan, and Mitsubishi chassis prior to 2007 use "3" assembly and direct mount pump (only) on the Right Side. Use Left Side opening for 2007 and later.
- A9:** PTO is not installable on the Left Side opening of the GM 2001-2007 cab-chassis C/K3600 (Silverado & Sierra).
- A10:** Possible installation interference with transmission shift selector on Left Side. Contact vehicle manufacturer for recommendations for moving the control cable. Utilize the "1" assembly for Ford F650 and F750 chassis.
- A11:** Use Right Side opening on Isuzu, Nissan, & Mitsubishi chassis prior to 2007. Also, use Right Side on International 4000 series.
- A12:** On generation 5 models converter lock up default is 1150 RPM of engine speed. TCM can be programmed for converter lock up down to 900 RPM of engine.
- A14:** Some PACCAR chassis require shorter PTO mounting stud length due to spring hanger interference. Use M1DM mounting kit for these applications

For complete part numbers, consult the PTO Series section (page 25)

3000 EVS
3000 MH

3000 RDS
3000 TRV

3200 TRV
3500 EVS

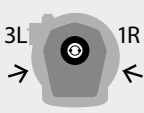
3500 RDS
B300

B400
MD-3060P

MD-3066P
MD-3070PT

MD-3560P

ALL.02

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
3131		B (50)		69	500	97	INCL			ENG	63	
		C (58)		80	500	97	INCL			ENG	63	
		E (68)		94	450	88	INCL			ENG	63	
		G (78)		108	420	80	INCL			ENG	63	
		J (84)		117	400	76	INCL			ENG	63	
		M (97)		134	380	72	INCL			ENG	63	
		O (119)		165	350	66	INCL			ENG	63	
3151		B (50)		69	500	97	INCL			ENG	63	
		C (58)		80	500	97	INCL			ENG	63	
		E (68)		94	450	88	INCL			ENG	63	
		G (78)		108	420	80	INCL			ENG	63	
		J (84)		117	400	76	INCL			ENG	63	
		M (97)		135	380	72	INCL			ENG	63	
		O (119)		165	350	66	INCL			ENG	63	
3252		A (51)		71	410	78	INCL			ENG	63	
		B (54)		75	410	78	INCL			ENG	63	
		C (59)		82	400	76	INCL			ENG	63	
		E (70)		97	380	72	INCL			ENG	63	
		G (76)		105	360	68	INCL			ENG	63	
		J (82)		114	340	65	INCL			ENG	63	
		M (96)		133	320	61	INCL			ENG	63	
		O (122)		169	270	51	INCL			ENG	63	

GENERAL NOTES:

When using 1000 series on Allison light gear noise could develop.

Allison transmission identification:

Transmissions are now identified by the first 4 digits of the serial number on the tag:

6310 = All 1000 & 2000 series

6510 = All 3000 & md series

6610 = All 4000 & hd series

For complete part numbers, consult the PTO Series section (page 25)

4000 EVS
4000 MH
4000 RDS

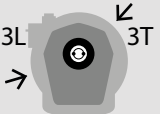
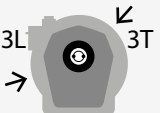
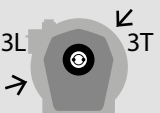
4000 TRV
4500 EVS
4500 RDS

4700 EVS
4700 OFS
4700 RDS

4800 EVS
B500
HD-4060P

HD-4070P
HD-4560P

ALL.03

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
3131		B (50)		99	500	97	INCL			ENG	63	
		C (58)		115	500	97	INCL			ENG	63	
		E (68)		135	450	88	INCL			ENG	63	
		G (78)		154	420	80	INCL			ENG	63	
		J (84)		166	400	76	INCL			ENG	63	
		M (97)		191	380	72	INCL			ENG	63	
		O (119)		236	350	66	INCL			ENG	63	
3151		B (50)		99	500	97	INCL			ENG	63	
		C (58)		115	500	97	INCL			ENG	63	
		E (68)		135	450	88	INCL			ENG	63	
		G (78)		154	420	80	INCL			ENG	63	
		J (84)		166	400	76	INCL			ENG	63	
		M (97)		192	380	72	INCL			ENG	63	
		O (119)		236	350	66	INCL			ENG	63	
3252		A (51)		102	410	78	INCL			ENG	63	
		B (54)		107	410	78	INCL			ENG	63	
		C (59)		117	400	76	INCL			ENG	63	
		E (70)		139	380	72	INCL			ENG	63	
		G (76)		150	360	68	INCL			ENG	63	
		J (82)		162	340	65	INCL			ENG	63	
		M (96)		190	320	61	INCL			ENG	63	
		O (122)		242	270	51	INCL			ENG	63	

GENERAL NOTES:

When using 1000 series on Allison light gear noise could develop.

Allison transmission identification:

Transmissions are now identified by the first 4 digits of the serial number on the tag:

6310 = All 1000 & 2000 series

6510 = All 3000 & md series

6610 = All 4000 & hd series

For complete part numbers, consult the PTO Series section (page 25)

AT-540

AT-542

AT-543

AT-545

ALL.04

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		138	250	49	INCL	(A2)		ENG	01	
		C (73)		183	250	49	INCL	(A2)		ENG	01	

GENERAL NOTES:

When using 1000 series on Allison light gear noise could develop.

Allison transmission identification:

Transmissions are now identified by the first 4 digits of the serial number on the tag:

6310 = All 1000 & 2000 series

6510 = All 3000 & md series

6610 = All 4000 & hd series

FOOT NOTES:

A2: Must include proper "T" adapter fitting for pressure-lube hook-up into the cooler line:

MT600 Series Transmissions: FI401 (BZ #202120401)

AT500 Series Transmissions: FI511 (BZ #202120511)

HT700/CLT700/CLBT700 Series: FI521 (BZ #202120521)

1000/2000/B210/B220 Series: FI831 (BZ #202122831)

M-5600

M-5610

M-6600

S-5600

S-6600

ALL.05

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		113	250	49	INCL	(A1,13)		ENG	04	
		B (55)		124	250	49	INCL	(A1,13)		ENG	04	
		C (73)		165	250	49	INCL	(A1,13)		ENG	04	
2000		A (50)		45	250	49	INCL	(A1,13)		ENG	04	
		B (55)		50	250	49	INCL	(A1,13)		ENG	04	
		C (73)		66	250	49	INCL	(A1,13)		ENG	04	

GENERAL NOTES:

When using 1000 series on Allison light gear noise could develop.

Allison transmission identification:

Transmissions are now identified by the first 4 digits of the serial number on the tag:

6310 = All 1000 & 2000 series

6510 = All 3000 & md series

6610 = All 4000 & hd series

FOOT NOTES:

A1: Engine must be turned off before engaging or disengaging a mechanically (air, cable, electric) shifted PTO. Does not apply to Hot Shift (Clutch Shift) PTOs.

A13: Not currently available. Please, consult with Bezares.

For complete part numbers, consult the PTO Series section (page 25)

CLBT-750
CLBT-754
CLT-750

HT-740CRD
HT-740D
HT-740DRD

HT-740T
HT-750CRD
HT-750D

HT-750DP
HT-750DRD
HT-750DT

HT-750HT
HT-750T
HT-754CR

ALL.06

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		195	250	49	INCL	(A2)		ENG	01	
		C (73)			250	49	INCL	(A2)		ENG	01	

GENERAL NOTES:

When using 1000 series on Allison light gear noise could develop.

Allison transmission identification:

Transmissions are now identified by the first 4 digits of the serial number on the tag:

6310 = All 1000 & 2000 series

6510 = All 3000 & md series

6610 = All 4000 & hd series

FOOT NOTES:

A2: Must include proper "T" adapter fitting for pressure-lube hook-up into the cooler line:

MT600 Series Transmissions: FI401 (BZ #202120401)

AT500 Series Transmissions: FI511 (BZ #202120511)

HT700/CLT700/CLBT700 Series: FI521 (BZ #202120521)

1000/2000/B210/B220 Series: FI831 (BZ #202122831)

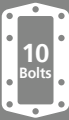
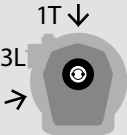
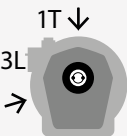
For complete part numbers, consult the PTO Series section (page 25)

MD-3060P W/ Top opening

MD-3066P W/ Top opening

MD-3560P W/ Top opening

ALL.07

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
3131		B (50)		85	500	97	INCL			ENG	63	
		C (58)		98	500	97	INCL			ENG	63	
		E (68)		115	450	88	INCL			ENG	63	
		G (78)		132	420	80	INCL			ENG	63	
		J (84)		142	400	76	INCL			ENG	63	
		M (97)		164	380	72	INCL			ENG	63	
		O (119)		201	350	66	INCL			ENG	63	
3151		B (50)		85	500	97	INCL			ENG	63	
		C (58)		98	500	97	INCL			ENG	63	
		E (68)		115	450	88	INCL			ENG	63	
		G (78)		132	420	80	INCL			ENG	63	
		J (84)		142	400	76	INCL			ENG	63	
		M (97)		164	380	72	INCL			ENG	63	
		O (119)		201	350	66	INCL			ENG	63	
3252		A (51)		87	410	78	INCL			ENG	63	
		B (54)		91	410	78	INCL			ENG	63	
		C (59)		100	400	76	INCL			ENG	63	
		E (70)		118	380	72	INCL			ENG	63	
		G (76)		129	360	68	INCL			ENG	63	
		J (82)		139	340	65	INCL			ENG	63	
		M (96)		163	320	61	INCL			ENG	63	
		O (122)		207	270	51	INCL			ENG	63	

GENERAL NOTES:

When using 1000 series on Allison light gear noise could develop.

Allison transmission identification:

Transmissions are now identified by the first 4 digits of the serial number on the tag:

6310 = All 1000 & 2000 series

6510 = All 3000 & md series

6610 = All 4000 & hd series

For complete part numbers, consult the PTO Series section (page 25)

MT-640
MT-643

MT-644
MT-644CR

MT-647
MT-648

MT-650
MT-653

MT-653DR
MT-654

ALL.08

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		160	250	49	INCL	(A2)		ENG	01	
		C (73)			250	49	INCL	(A2)		ENG	01	

GENERAL NOTES:

When using 1000 series on Allison light gear noise could develop.

Allison transmission identification: Transmissions are now identified by the first 4 digits of the serial number on the tag:

6310 = All 1000 & 2000 series

6510 = All 3000 & md series

6610 = All 4000 & hd series

FOOT NOTES:

A2: Must include proper "T" adapter fitting for pressure-lube hook-up into the cooler line:

MT600 Series Transmissions: FI401 (BZ #202120401)

AT500 Series Transmissions: FI511 (BZ #202120511)

HT700/CLT700/CLBT700 Series: FI521 (BZ #202120521)

1000/2000/B210/B220 Series: FI831 (BZ #202122831)

CLT-9485
CLT-9880

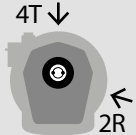
CLT-9884
CLT-9885

M-8610
M-9600

M-9800
S-8610

S-9600
S-9800

ALL.09

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		128	250	49	INCL	(A1,13)		ENG	04	
		B (55)		141	250	49	INCL	(A1,13)		ENG	04	
		C (73)		187	250	49	INCL	(A1,13)		ENG	04	
2000		A (50)		57	250	49	INCL	(A1,13)		ENG	04	
		B (55)		62	250	49	INCL	(A1,13)		ENG	04	
		C (73)		83	250	49	INCL	(A1,13)		ENG	04	

GENERAL NOTES:

When using 1000 series on Allison light gear noise could develop.

Allison transmission identification: Transmissions are now identified by the first 4 digits of the serial number on the tag:

6310 = All 1000 & 2000 series

6510 = All 3000 & md series

6610 = All 4000 & hd series

FOOT NOTES:

A1: Engine must be turned off before engaging or disengaging a mechanically (air, cable, electric) shifted PTO. Does not apply to Hot Shift (Clutch Shift) PTOs.

A13: Not currently available. Please, consult with Bezares.

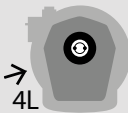
For complete part numbers, consult the PTO Series section (page 25)

CLBT-750(OPT.8BOLT)
CLT-750(OPT.8BOLT)

HT-740D(OPT.8BOLT)
HT-750CRD(OPT.8BOLT)

HT-750DRD(OPT.8BOLT)
HT-754CR(OPT.8BOLT)

ALL.10

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		73	250	49	INCL	(A1,2, 13)		ENG	04	
		B (55)		81	250	49	INCL	(A1,2, 13)		ENG	04	
		C (73)		107	250	49	INCL	(A1,2, 13)		ENG	04	
2000		A (50)		42	250	49	INCL	(A1,2, 13)		ENG	04	
		B (55)		46	250	49	INCL	(A1,2, 13)		ENG	04	
		C (73)		62	250	49	INCL	(A1,2, 13)		ENG	04	

GENERAL NOTES:

When using 1000 series on Allison light gear noise could develop.

Allison transmission identification: Transmissions are now identified by the first 4 digits of the serial number on the tag:

6310 = All 1000 & 2000 series

6510 = All 3000 & md series

6610 = All 4000 & hd series

FOOT NOTES:

A1: Engine must be turned off before engaging or disengaging a mechanically (air, cable, electric) shifted PTO. Does not apply to Hot Shift (Clutch Shift) PTOs.

A2: Must include proper "T" adapter fitting for pressure-lube hook-up into the cooler line:

MT600 Series Transmissions: FI401 (BZ #202120401)

AT500 Series Transmissions: FI511 (BZ #202120511)

HT700/CLT700/CLBT700 Series: FI521 (BZ #202120521)

1000/2000/B210/B220 Series: FI831 (BZ #202122831)

A13: Not currently available. Please, consult with Bezares.

For complete part numbers, consult the PTO Series section (page 25)

Chevrolet

CHVR.01

For complete part numbers, consult the PTO Series section (page 25)



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Detroit Diesel Index

Transmission Model	Pag.
DT12-DA	151
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DT12-DC	154
DT12-DH	151
DT12-DHE	154
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DT12-OB	151
DT12-OC	152
DT12-OD	153
DT12-OH	151
DT12-OHE	152
DT12-OHL	151
DT12-OV	152
DT12-OVX	153

Detroit Diesel

DT12-DA

DT12-DH

DET.01

	PTO Series	% Internal Ratio	% Final Ratio		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	120X10	96%	75	96	406	78	INCL		7018304	ENG		
	120X13	130%	105	134	406	78	INCL		7018304	ENG		

DT12-DB

DT12-DHL

DET.02

	PTO Series	% Internal Ratio	% Final Ratio		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	120X10	96%	75	96	406	78	INCL		700904	ENG		
	120X13	130%	105	134	406	78	INCL		700904	ENG		

DT12-OA

DT12-OH

DET.03

	PTO Series	% Internal Ratio	% Final Ratio		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	120X10	96%	96	124	406	78	INCL		7018304	ENG		
	120X13	130%	134	172	406	78	INCL		7018304	ENG		

DT12-OB

DT12-OHL

DET.04

	PTO Series	% Internal Ratio	% Final Ratio		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	120X10	96%	96	124	406	78	INCL		700904	ENG		
	120X13	130%	134	172	406	78	INCL		700904	ENG		

For complete part numbers, consult the PTO Series section (page 25)

Detroit Diesel

DT12-OC

DT12-OHE

DT12-OV

DET.05

	PTO Series	% Internal Ratio	% Final Ratio		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	120X10	96%	88	113	406	78	INCL		7018304	ENG		
	120X13	130%	123	158	406	78	INCL		7018304	ENG		

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		80	250	47	INCL		AD812-OC	OPP	01	 ↑ 4B
		B (55)		88	250	47	INCL		AD812-OC	OPP	01	
		C (73)		117	250	47	INCL		AD812-OC	OPP	01	
		E (86)		138	225	43	INCL		AD812-OC	OPP	01	
		J (95)		152	225	43	INCL		AD812-OC	OPP	01	
		O (125)		200	180	34	INCL		AD812-OC	OPP	01	
		R (137)		219	170	32	INCL		AD812-OC	OPP	01	
		S (150)		240	155	29	INCL		AD812-OC	OPP	01	
		T (165)			140	27	INCL		AD812-OC	OPP	01	
4100		B (57)		85	420	80	INCL		AD812-OC	OPP	01	 ↑ 4B
		C (70)		104	350	66	INCL		AD812-OC	OPP	01	
		E (86)		128	285	54	INCL		AD812-OC	OPP	01	
		J (105)		157	235	44	INCL		AD812-OC	OPP	01	
8500		B (61)		63	500	95	INCL		AD812-OC	OPP	01	 ↑ 4B
		C (72)		77	485	92	INCL		AD812-OC	OPP	01	
		E (85)		95	400	76	INCL		AD812-OC	OPP	01	
		J (108)		116	325	62	INCL		AD812-OC	OPP	01	
		O (127)		140	270	51	INCL		AD812-OC	OPP	01	
		R (138)		151	250	47	INCL		AD812-OC	OPP	01	
		S (150)		165	225	43	INCL		AD812-OC	OPP	01	
		T (163)		182	210	40	INCL		AD812-OC	OPP	01	

For complete part numbers, consult the PTO Series section (page 25)

Detroit Diesel

DT12-OD

DT12-OVX

DET.06

	PTO Series	% Internal Ratio	% Final Ratio		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	120X10	96%	90	116	406	78	INCL		7018304	ENG		
	120X13	130%	126	161	406	78	INCL		7018304	ENG		

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		82	250	47	INCL		AD812-OD	OPP	01	 ↑ 4B
		B (55)		90	250	47	INCL		AD812-OD	OPP	01	
		C (73)		120	250	47	INCL		AD812-OD	OPP	01	
		E (86)		141	225	43	INCL		AD812-OD	OPP	01	
		J (95)		156	225	43	INCL		AD812-OD	OPP	01	
		O (125)		205	180	34	INCL		AD812-OD	OPP	01	
		R (137)		225	170	32	INCL		AD812-OD	OPP	01	
		S (150)		246	155	29	INCL		AD812-OD	OPP	01	
		T (165)			140	27	INCL		AD812-OD	OPP	01	
4100		B (57)		90	420	80	INCL		AD812-OD	OPP	01	 ↑ 4B
		C (70)		110	350	66	INCL		AD812-OD	OPP	01	
		E (86)		135	285	54	INCL		AD812-OD	OPP	01	
		J (105)		165	235	44	INCL		AD812-OD	OPP	01	
8500		B (61)		64	500	95	INCL		AD812-OD	OPP	01	 ↑ 4B
		C (72)		79	485	92	INCL		AD812-OD	OPP	01	
		E (85)		97	400	76	INCL		AD812-OD	OPP	01	
		J (108)		119	325	62	INCL		AD812-OD	OPP	01	
		O (127)		143	270	51	INCL		AD812-OD	OPP	01	
		R (138)		155	250	47	INCL		AD812-OD	OPP	01	
		S (150)		169	225	43	INCL		AD812-OD	OPP	01	
		T (163)		186	210	40	INCL		AD812-OD	OPP	01	

For complete part numbers, consult the PTO Series section (page 25)



Detroit Diesel

DT12-DC

DT12-DHE

DET.07

	PTO Series	% Internal Ratio	% Final Ratio		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	120X10	96%	68	88	406	78	INCL		7018304	ENG		
	120X13	130%	95	123	406	78	INCL		7018304	ENG		

For complete part numbers, consult the PTO Series section (page 25)

Eaton Endurant Index

Transmission Model	Pag.
EEO-14F112C	156
EEO-15F112C	156
EEO-16F112C	156
EEO-17F112C	156
EEO-18F112C	156
EXD-16F118D	157
EXD-18F118D	157
EXDP-16F118D	157
EXDP-18F118D	157
EXDP-20F118D	157
PHD-14F112C-V	156
PHD-16F112C-V	156
PO-14F112C	156
PO-15F112C	156
PO-16F112C	156
PO-17F112C	156
PO-18F112C	156
PXD-16F118D	157
PXD-18F118D	157
PXDP-16F118D	157
PXDP-18F118D	157

EXAMPLE:

Pto Series	Internal Ratio	Input Gear	Output Type
2000	X	C N	77 2
	Lube	Shifting	Assy
			RA

Eaton Endurant

Endurant HD:

EEO-14F112C EEO-16F112C EEO-18F112C
EEO-15F112C EEO-17F112C

Paccar:

PO-14F112C PO-16F112C PO-18F112C
PO-15F112C PO-17F112C PHD-14F112C-V

PHD-16F112C-V **END.01**

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	2010	A (50)		107	250	47	INCL	(E1,4)		OPP	75	 ↑1/3B
		B (55)		117	250	47	INCL	(E1,4)		OPP	75	
		C (73)		156	250	47	INCL	(E1,4)		OPP	75	
		E (86)		185	225	43	INCL	(E1,4)		OPP	75	
		J (95)			225	43	INCL	(E1,4)		OPP	75	
		O (125)			180	34	INCL	(E1,4)		OPP	75	
		R (137)			170	32	INCL	(E1,4)		OPP	75	
		S (150)			155	29	INCL	(E1,4)		OPP	75	
		T (165)			140	27	INCL	(E1,4)		OPP	75	
	2500	Z (42)		71	250	47	INCL	(E1)		OPP	75	 ↑1/3B
		B (57)		121	420	80	INCL	(E1,5)		OPP	75	
	4110	C (70)		149	350	66	INCL	(E1,5)		OPP	75	 ↑1/3B
		E (86)		183	285	54	INCL	(E1,5)		OPP	75	
		J (105)		224	235	44	INCL	(E1,5)		OPP	75	
	8510	B (61)			500	95	INCL	(E1,4)		OPP	75	 ↑1/3B
		C (72)		112	482	91	INCL	(E1,4)		OPP	75	
		E (85)		132	392	74	INCL	(E1,4)		OPP	75	
		J (108)		168	320	61	INCL	(E1,4)		OPP	75	
		O (127)		197	266	50	INCL	(E1,4)		OPP	75	
		R (138)			250	47	INCL	(E1,4)		OPP	75	
		S (150)			225	43	INCL	(E1,4)		OPP	75	
		T (163)			210	40	INCL	(E1,4)		OPP	75	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	95X10E	105%		144	382	78				ENG		
	95X13E	130%		178	293	78				ENG		
	95X15E	150%		206	254	78				ENG		

E1 - Caution: Eaton Transmission Division has established a Maximum Torque & Power Limit on the Transmission PTO gear. Do not exceed 382 lb-ft & HP @ 950 rpm for any application (by using one PTO or combining both rear & bottom PTO). The PTO prep package must be factory installed before installing the Power Take-Off. Ensure the Endurant transmission TCM must have the J1939 circuit enabled for PTO applications. For PACCAR applications order the wire harness, P/N # P92-5075-2000, Qty. of 1 The PTO indicator switch must be modified to connect to P92-5075-2000 on one leg and the other leg goes to ground.

E4 - Some applications using 2010 and 8510 series PTO may have 5v circuitry to the standard PTO Ball switch, which will cause intermittent switch operation. For these applications use switch number PT9099999

E5 - Some Applications using 4110 series PTO may have 5v circuitry to the standard PTO Ball switch, which will cause intermittent switch operation. For these applications use switch kit number (PT90100899-13 for 1 & 3 assy or PT90100899-24 for 2 & 4 assy).

Eaton Endurant

Endurant XD:
EXD-16F118D
EXD-18F118D

Endurant XD Pro:
EXDP-16F118D
EXDP-18F118D

EXDP-20F118D

Paccar:

PXD-16F118D
PXD-18F118D

PXDP-16F118D
PXDP-18F118D

END.02

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		102	250	47	INCL	(E2,6)		OPP	77	 ↑ 2/4B
		B (55)		112	250	47	INCL	(E2,6)		OPP	77	
		C (73)		149	250	47	INCL	(E2,6)		OPP	77	
		E (86)		179	225	43	INCL	(E2,6)		OPP	77	
		J (95)		194	225	43	INCL	(E2,6)		OPP	77	
		O (125)		255	180	34	INCL	(E2,6)		OPP	77	
		R (137)			170	32	INCL	(E2,6)		OPP	77	
		S (150)			155	29	INCL	(E2,6)		OPP	77	
2500		T (165)			140	27	INCL	(E2,6)		OPP	77	 ↑ 2/4B
		Z (42)		74	250	47	INCL	(E2)		OPP	77	
4100		B (57)		113	420	80	INCL	(E2,7)		OPP	77	 ↑ 2/4B
		C (70)		139	350	66	INCL	(E2,7)		OPP	77	
		E (86)		170	285	54	INCL	(E2,7)		OPP	77	
		J (105)		206	235	44	INCL	(E2,7)		OPP	77	
4250		Output 1 C (96)		136	355	67	INCL	(E3)		OPP	77	 ↑ 2/4B
		Output 2 B (89)		127	380	72	INCL	(E3)		OPP	77	
		Output 1 E (112)		160	300	57	INCL	(E3)		OPP	77	
		Output 2 C (104)		147	325	62	INCL	(E3)		OPP	77	
8500		B (61)		87	500	95	INCL	(E2,6)		OPP	77	 ↑ 2/4B
		C (72)		102	500	95	INCL	(E2,6)		OPP	77	
		E (85)		121	480	91	INCL	(E2,6)		OPP	77	
		J (108)		154	400	76	INCL	(E2,6)		OPP	77	
		O (127)		180	270	51	INCL	(E2,6)		OPP	77	
		R (138)		196	250	47	INCL	(E2,6)		OPP	77	
		S (150)		213	225	43	INCL	(E2,6)		OPP	77	
		T (163)		231	210	40	INCL	(E2,6)		OPP	77	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
95X10D		105%		116	382	78				ENG		
95X13D		130%		144	293	78				ENG		
95X15D		150%		166	254	78				ENG		

E2 - Eaton Transmission Division has established a Maximum Torque Limit on the Transmission PTO driver gear. The total combined PTO capacity is 610 lb.ft (827 Nm) of torque and 160 HP. The PTO prep package must be factory installed before installing the PTO.

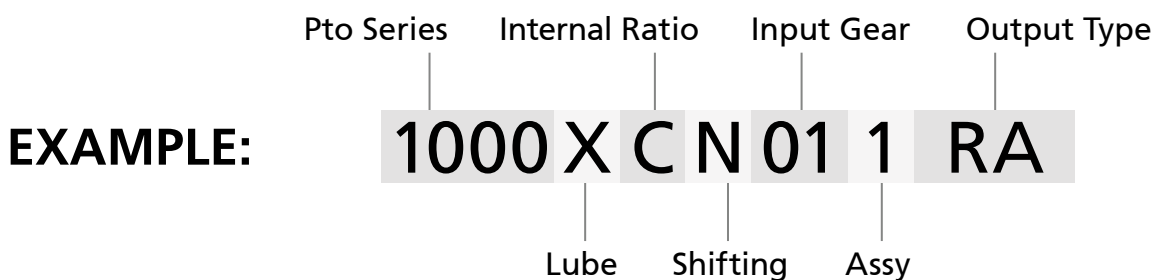
E6 - Some applications using 2000 and 8500 series PTO may have 5v circuitry to the standard PTO Ball switch, which will cause intermittent switch operation. For these applications use switch number PT9099999

E7 - Some Applications using 4100 series PTO may have 5v circuitry to the standard PTO Ball switch, which will cause intermittent switch operation. For these applications use switch kit number (PT90100899-13 for 1 & 3 assy or PT90100899-24 for 2 & 4 assy).

E3 - Do not exceed maximum torque and power shown in output 2 when both outputs are working simultaneously.

Eaton Fuller Index

Transmission Model	Pag.	Transmission Model	Pag.	Transmission Model	Pag.	Transmission Model	Pag.
4106 DT A (Rear opening)	161	FAO-16810C	230	FR-9210B	206	FS-5005A	167
4106 DT B (Rear opening)	161	FAOM-14810C	230	FR-11210B	206	FS-5005B	189
4106 OD	162	FAOM-15810C	230	FR-12210B	206	FS-5005C	190
AT-1202	255	F-LO-15410C-T2	205	FR-13210B	206	FS-5005D	167
EH-6E606A-CD	209	FM-14D310B-LST	211	FR-14210B	206	FS-5106A	181
EH-8E306A-CD/T/U/UP/UPG	209	FM-14E310B-LAS	211	FR-15210B	206	FS-5205A	167
ESO-9306A F-5405B-DM3	209	FM-15D310B-LST	211	FRLO-14410C/C-T2	205	FS-5205B	189
ET-16109	267	FM-15E310B-LAS	211	FRLO-15410C	205	FS-5205C	190
ET-16110	267	FO-6E318B-MXP	224	FRLO-16410C/C-T2	205	FS-5206A (Rear opening)	161
ET-16113	268	FO-10E310C-VAS	224	FRLO-18410C-T2	205	FS-5206B (Rear opening)	161
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ET-18113	268	FO-14E309ALL-VMS	224	FRO-11210C	242	FS-5406N	185
ET-20109	267	FO-14E310C-LAS/VAS	224	FRO-12210B	248	FS-5506	163
ET-20110	267	FO-14E313A-MHP	224	FRO-12210C	242	FS-6005A	170
ET-20113	268	FO-14E318B-MXP/VXP	224	FRO-13210B	248	FS-6005B	171
ETS-16409	267	FO-16E308LL-VCS	258	FRO-13210C	242	FS-6105A	170
ETS-16410	267	FO-16E309ALL-VMS	224	FRO-14210B	248	FS-6105B	171
ETS-16413	268	FO-16E310C-LAS/VAS	224	FRO-14210C	242	FS-6106A	163
ETS-18409	267	FO-16E313A-MHP	224	FRO-15210B	248	FS-6205A	170
ETS-18410	267	FO-16E313B-MHP	224	FRO-15210C	242	FS-6205B	171
ETS-18413	268	FO-16E318B-MXP/VXP	224	FRO-16210B	248	FS-6206A	181
ETS-20409	267	FO-18E310C-LAS	224	FRO-16210C	242	FS-6305A	170
ETS-20410	267	FO-18E313A-MHP	224	FRO-17210C	242	FS-6305B	171
ETS-20413	268	FO-18E318B-MXP/VXP	224	FRO-18210C	242	FS-6306A/B	181
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F-6406N-ASW	185	FO-5506B-DM3	209	FS-3005B (1989 & After)	183	FS-6406N-ASX	185
F-6406N-ASX	185	FO-6406A-ASW	269	FS-3005C	184	FS-6406N-AW3	185
F-6406N-AW3	185	FO-6406A-ASX/AW3	265	FS-3205A	166	FS-7206A	163
F-8405B-DM3	209	FO-6406B-DM3	209	FS-3205B	183	FS-8206A	163
F-8406N-ASW	185	FO-6406N-AW3	185	FS-3205C	184	FSB-5305D	168
F-8406N-AW3	185	FO-6506B-DM3	209	FS-4005A (11/87 & After)	166	FSB-5406B	181
FAM-14810B	214	FO-8406A-ASW	269	FS-4005A (Before 11/87)	165	FSB-6406B	181
FAM-15810B	214	FO-8406A-ASX/AW3	265	FS-4005B (11/87 & After)	183	FSBO-6406B	209
FAO-11810C	230	FO-8406B-DM3	209	FS-4005B (Before 11/87)	182	FSBO-8406B	209
FAO-12810C	230	FOM-14E310C-LAS/VAS	224	FS-4005C	184	FSM-5005E	169
FAO-13810C	230	FOM-15E310C-LAS/VAS	224	FS-4205A	166	FSM-5005H	191
FAO-14810C	230	FOM-16E310C-LAS/VAS	224	FS-4205B	183	FSM-5005J	192
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FSO-8406A	209	RT-14615	214	RTLO-15610B/B-T2	214
FTS-16108LL	267	RT-14709A/H	214	RTLO-16610B/B-T2	214
FTS-16109A	267	RT-14710B/B-AS2	214	RTLO-16618A	214
FTS-16112L	268	RT-14715	214	RTLO-16713A/A-MT/ A-T2	227
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FTS-18112L	268	RT-15613	214	RTLO-16913-LHS-D	227
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FTS-20112L	268	RTA-14710B-AS	214	RTLO-16918B/B-AS/B-T2	227
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RT-906	214	RTAO-12710B-AC/AS	261	RTLO-18718B/B-T2	227
RT-909A	214	RTAO-12710C-AC/AS	227	RTLO-18913A/A-T2	227
RT-910	214	RTAO-14710B-AC/AS	261	RTLO-18918A-AS2/-AS3	227
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RT-7609	223	RTF-910	214	RTLO-22918B/B-AS	227
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RT-8608L	193	RTF-8908LL	214	RTLOC-18909A/A-T2	227
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RT-9710B	214	RTF-12609A	214	RTLOF-16918B	227
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RT-11209H	206	RTF-12710B	214	RTLOF-18918B	227
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RT-12515	214	RTLC-16613A/E	227	RTO-1258LL	261
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RT-12709A/H	214	RTLO-12610B/B-T2	214	RTO-7613	254
RT-12710B/B-AS2	214	RTLO-12613B	214	RTO-9109A-AT	263
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RT-13210B	206	RTLO-12913A	227	RTO-9509A	261
RT-13609A/H	214	RTLO-13118AMT	227	RTO-9509B	227
RT-13709H	214	RTLO-13610B/ B-AS/B-T2	214	RTO-9513	214
RT-13710B	214	RTLO-14610A/B/B-T2	214	RTO-10710B-AS/AS2	261
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RT-14210B	206	RTLO-14713A/A-T2	227	RTO-11109A-AT	263
RT-14608	193	RTLO-14718B/B-T2	227	RTO-11109B-AT	233

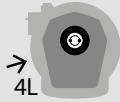
Transmission Model	Pag.	Transmission Model	Pag.	Transmission Model	Pag.
RTO-11209B/H	248	RTO-14613	214	RTX-12609P/R	256
RTO-11210B	248	RTO-14615	251	RTX-12709H	227
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RTO-12513	214	RTO-16710B/B-AS2	261	T-11605C	178
RTO-12515	251	RTO-16710C&C-AS2	227	T-11605D/M	199
RTO-12609A	261	RTO-16715	251	T-11605F	171
RTO-12609B/H	227	RTO-16908LL	261	T-11606	174
RTO-12609P/R	256	RTO-16909ALL	227	T-11607A/B	174
RTO-12610	251	RTO-16910B/B-AS/B-AS2/B-AS3	261	T-14607A/B	176
RTO-12709H	227	RTO-16910B-DM2/DM3	258	TO-905A/D	236
RTO-12710B/B-AS2	261	RTO-16910C-AS2/C-AS3	227	TO-905B	202
RTO-12710C	227	RTO-16915	251	TO-905C	196
RTO-12910B-AS2/AS3	261	RTO-18910B-AS2/AS3	261	TO-955AL/ALL/DLL	236
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RTO-13109A-AT	263	RTOC-16909A	227	TO-11605A	239
RTO-13109B-AT	233	RTOC-16913A	227	TO-11605B	202
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RTO-13210B	248	RTOCM-16909A	227	TO-11605D	236
RTO-13210C	242	RTOF-909A	261	TO-11607B-ASX	210
RTO-13210R	242	RTOF-910	245	TO-14607B-ASX	210
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RTO-13609P/R	256	RTOF-9509B	227	TS-13612A	174
RTO-13707DLL/MLL	239	RTOF-9513	214	TS-15612A	174
RTO-13709H	227	RTOM-16910B-DM3	258	TS-16612A	174
RTO-13710B	261	RTOO-9513	227	TSO-11612A	174
RTO-13710C	227	RTOO-11613	227	TSO-12612A	174
RTO-14109A-AT	263	RTOO-14613	227	TSO-13612A	174
RTO-14109B-AT	233	RTOX-11609A	261	TSO-15612A	174
RTO-14209B/H	248	RTS-11909A	267	TSO-16612A	174
RTO-14210B	248	RTS-11912L	268	TX-8607B	210
RTO-14210C	242	RTX-11609A	261	TX-14607B	210
RTO-14210R	242	RTX-11609B	227		
RTO-14608LL	261	RTX-11609P/R	256		
RTO-14609A	261	RTX-11708LL	261		
RTO-14609B/H	227	RTX-11709H	227		
RTO-14609P/R	256	RTX-11710B	261		
RTO-14610	251	RTX-11710C	227		
RTO-14610C	227	RTX-12609B	227		

Eaton Fuller

4106 DT A (Rear opening)

FS-5206A (Rear opening)

FUL.01

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1213003	135%		31	310	59	INCL			ENG		
	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1213403	100%		43	444	84	INCL			OPP		
	129703	130%		56	360	68	INCL	HEAVY DUTY		ENG		
	123503	132%		57	310	59	INCL			ENG		
	1219203	180%		78	361	68	INCL	HEAVY DUTY		ENG		

4106 DT B (Rear opening)

FS-5206B (Rear opening)

FUL.02

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1213003	135%		37	310	59	INCL			ENG		
	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1213403	100%		52	444	84	INCL			OPP		
	129703	130%		67	360	68	INCL	HEAVY DUTY		ENG		
	123503	132%		68	310	59	INCL			ENG		
	1219203	180%		93	361	68	INCL	HEAVY DUTY		ENG		

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

4106 OD

FSO-5206B

FUL.03

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1213003	135%		45	310	59	INCL			ENG		

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1213403	100%		64	444	84	INCL			OPP		
	129703	130%		84	360	68	INCL	HEAVY DUTY		ENG		
	123503	132%		85	310	59	INCL			ENG		
	1219203	180%		116	361	68	INCL	HEAVY DUTY		ENG		

Eaton Fuller

FS-5506

FS-6106/A

FS-7206A

FS-8206A

FUL.05

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		45	250	47	INCL			OPP	25	
		C (73)		59	250	47	INCL			OPP	25	
		E (86)		71	225	43	INCL			OPP	25	
		J (95)		77	225	43	INCL			OPP	25	
		O (125)		102	195	37	INCL			OPP	25	
		R (137)		111	180	34	INCL			OPP	25	
		S (150)		122	162	31	INCL			OPP	25	
		T (165)		134	148	28	INCL			OPP	25	
3200		Z (40)		33	250	47	INCL	CLUTCH SHIFT		OPP	25	
		A (50)		41	250	47	INCL	CLUTCH SHIFT		OPP	25	
		B (55)		45	250	47	INCL	CLUTCH SHIFT		OPP	25	
		C (73)		59	250	47	INCL	CLUTCH SHIFT		OPP	25	
		E (86)		71	225	43	INCL	CLUTCH SHIFT		OPP	25	
		J (95)		78	225	43	INCL	CLUTCH SHIFT		OPP	25	
		O (125)		102	195	37	INCL	CLUTCH SHIFT		OPP	25	
		R (137)		111	180	34	INCL	CLUTCH SHIFT		OPP	25	
		S (150)		122	162	31	INCL	CLUTCH SHIFT		OPP	25	
		T (165)		134	148	28	INCL	CLUTCH SHIFT		OPP	25	
6000		Forward (73)		59	150	28	INCL			BOTH	25	
		Reverse (83)		67	150	28	INCL			BOTH	25	

For complete part numbers, consult the PTO Series section (page 25)



Eaton Fuller

FS-5506

FS-6106/A

FS-7206A

FS-8206A

FUL.05

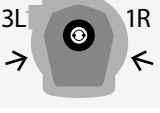
	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250	47	INCL			OPP	25	
		B (55)		45	250	47	INCL			OPP	25	
		C (73)		59	250	47	INCL			OPP	25	
		E (86)		71	225	43	INCL			OPP	25	
		J (95)		77	225	43	INCL			OPP	25	
		O (125)		102	180	34	INCL			OPP	25	
		R (137)		111	170	32	INCL			OPP	25	
		S (150)		122	155	29	INCL			OPP	25	
3800		T (165)		134	140	27	INCL			OPP	25	
		Z (40)		33	250	47	INCL	CLUTCH SHIFT		OPP	25	
		A (50)		41	250	47	INCL	CLUTCH SHIFT		OPP	25	
		B (55)		45	250	47	INCL	CLUTCH SHIFT		OPP	25	
		C (73)		59	250	47	INCL	CLUTCH SHIFT		OPP	25	
		E (86)		71	225	43	INCL	CLUTCH SHIFT		OPP	25	
		J (95)		78	225	43	INCL	CLUTCH SHIFT		OPP	25	
		O (125)		102	195	37	INCL	CLUTCH SHIFT		OPP	25	
		R (137)		111	180	34	INCL	CLUTCH SHIFT		OPP	25	
		S (150)		122	162	31	INCL	CLUTCH SHIFT		OPP	25	
8500		T (165)		134	148	28	INCL	CLUTCH SHIFT		OPP	25	
		B (57)		39	500	95	INCL			OPP	25	
		C (70)		52	485	92	INCL			OPP	25	
		E (86)		62	400	76	INCL			OPP	25	
		J (105)		77	325	62	INCL			OPP	25	
		O (127)		89	270	51	INCL			OPP	25	
		R (137)		97	250	47	INCL			OPP	25	
		S (150)		107	225	43	INCL			OPP	25	
		T (165)		117	210	40	INCL			OPP	25	

Eaton Fuller

FS-3005A (1988 & Before)

FS-4005A (Before 11/87)

FUL.06

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		37	250	47	INCL	Before 11/87		OPP	23	
		C (73)		49	250	47	INCL	Before 11/87		OPP	23	
		E (86)		59	225	43	INCL	Before 11/87		OPP	23	
		J (95)		64	225	43	INCL	Before 11/87		OPP	23	
		O (125)		84	195	37	INCL	Before 11/87		OPP	23	
		R (137)		92	180	34	INCL	Before 11/87		OPP	23	
		S (150)		101	162	31	INCL	Before 11/87		OPP	23	
		T (165)		111	148	28	INCL	Before 11/87		OPP	23	
6000		Forward (73)		49	150	28	INCL	Before 11/87		BOTH	23	
		Reverse (83)		56	150	28	INCL	Before 11/87		BOTH	23	

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For complete part numbers, consult the PTO Series section (page 25)



Eaton Fuller

FS-3005A (1989 & After)

FS-3205A

FS-4005A (11/87 & After)

FS-4205A

FUL.07

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		37	250	47	INCL	11/87 & After		OPP	18	
		C (73)		49	250	47	INCL	11/87 & After		OPP	18	
		E (86)		59	225	43	INCL	11/87 & After		OPP	18	
		J (95)		64	225	43	INCL	11/87 & After		OPP	18	
		O (125)		85	195	37	INCL	11/87 & After		OPP	18	
		R (137)		93	180	34	INCL	11/87 & After		OPP	18	
		S (150)		101	162	31	INCL	11/87 & After		OPP	18	
		T (165)		112	148	28	INCL	11/87 & After		OPP	18	
3200		Z (40)		27	250	47	INCL	11/87 & After		OPP	18	
		A (50)		34	250	47	INCL	11/87 & After		OPP	18	
		B (55)		37	250	47	INCL	11/87 & After		OPP	18	
		C (73)		49	250	47	INCL	11/87 & After		OPP	18	
		E (86)		59	225	43	INCL	11/87 & After		OPP	18	
		J (95)		65	225	43	INCL	11/87 & After		OPP	18	
		O (125)		85	195	37	INCL	11/87 & After		OPP	18	
		R (137)		93	180	34	INCL	11/87 & After		OPP	18	
		S (150)		101	162	31	INCL	11/87 & After		OPP	18	
6000		T (165)		111	148	28	INCL	11/87 & After		OPP	18	
		Forward (73)		49	150	28	INCL	11/87 & After		BOTH	18	
		Reverse (83)		56	150	28	INCL	11/87 & After		BOTH	18	

For complete part numbers, consult the PTO Series section (page 25)

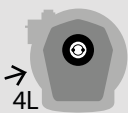
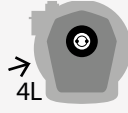
Eaton Fuller

FS-5005A

FS-5005D

FS-5205A

FUL.08

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		21	250	47	INCL			ENG	06	
		C (73)		27	250	47	INCL			ENG	06	
		E (86)		33	225	43	INCL			ENG	06	
		J (95)		36	225	43	INCL			ENG	06	
		O (125)		47	195	37	INCL			ENG	06	
		R (137)		51	180	34	INCL			ENG	06	
		S (150)		56	162	31	INCL			ENG	06	
		T (165)		62	148	28	INCL			ENG	06	
1000		B (55)		38	250	47	S3		GA6093	OPP	30	
		C (73)		50	250	47	S3		GA6093	OPP	30	
		E (86)		60	225	43	S3		GA6093	OPP	30	
		J (95)		66	225	43	S3		GA6093	OPP	30	
		O (125)		86	195	37	S3		GA6093	OPP	30	
		R (137)		95	180	34	S3		GA6093	OPP	30	
		S (150)		104	162	31	S3		GA6093	OPP	30	
		T (165)		114	148	28	S3		GA6093	OPP	30	
3200		Z (40)		16	250	47	S3		GA6093	OPP	30	
		A (50)		20	250	47	S3		GA6093	OPP	30	
		B (55)		22	250	47	S3		GA6093	OPP	30	
		C (73)		29	250	47	S3		GA6093	OPP	30	
		E (86)		35	225	43	S3		GA6093	OPP	30	
		J (95)		38	225	43	S3		GA6093	OPP	30	
		O (125)		50	195	37	S3		GA6093	OPP	30	
		R (137)		54	180	34	S3		GA6093	OPP	30	
		S (150)		60	162	31	S3		GA6093	OPP	30	
		T (165)		65	148	28	S3		GA6093	OPP	30	
6000		Forward (83)		27	150	28	INCL			BOTH	06	
		Reverse (73)		31	150	28	INCL			BOTH	06	
6000		Forward (83)		50	150	28	S3		GA6093	BOTH	30	
		Reverse (73)		57	150	28	S3		GA6093	BOTH	30	

For complete part numbers, consult the PTO Series section (page 25)



Eaton Fuller

FSB-5305D

FUL.09

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		21	250	47	INCL			ENG	6	
		C (73)		27	250	47	INCL			ENG	6	
		E (86)		33	225	43	INCL			ENG	6	
		J (95)		36	225	43	INCL			ENG	6	
		O (125)		47	195	37	INCL			ENG	6	
		R (137)		51	180	34	INCL			ENG	6	
		S (150)		56	162	31	INCL			ENG	6	
		T (165)		62	148	28	INCL			ENG	6	

°FOOT NOTES:
Mounting at right side + GA6062 Adapter is not available.
(Input gear #29 not cut)

Eaton Fuller

FSM-5005E

FSM-5305E

FUL.10

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		38	250	47	INCL		GA6062	OPP	30	
		C (73)		50	250	47	INCL		GA6062	OPP	30	
		E (86)		60	225	43	INCL		GA6062	OPP	30	
		J (95)		66	225	43	INCL		GA6062	OPP	30	
		O (125)		86	195	37	INCL		GA6062	OPP	30	
		R (137)		95	180	34	INCL		GA6062	OPP	30	
		S (150)		104	162	31	INCL		GA6062	OPP	30	
		T (165)		114	148	28	INCL		GA6062	OPP	30	
3200		Z (40)		28	250	47	INCL		GA6062	OPP	30	
		A (50)		35	250	47	INCL		GA6062	OPP	30	
		B (55)		38	250	47	INCL		GA6062	OPP	30	
		C (73)		50	250	47	INCL		GA6062	OPP	30	
		E (86)		60	225	43	INCL		GA6062	OPP	30	
		J (95)		66	225	43	INCL		GA6062	OPP	30	
		O (125)		86	195	37	INCL		GA6062	OPP	30	
		R (137)		94	180	34	INCL		GA6062	OPP	30	
		S (150)		104	162	31	INCL		GA6062	OPP	30	
		T (165)		114	148	28	INCL		GA6062	OPP	30	
6000		Forward (83)		50	150	28	INCL		GA6062	BOTH	30	
		Reverse (73)		57	150	28	INCL		GA6062	BOTH	30	

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For complete part numbers, consult the PTO Series section (page 25)



Eaton Fuller

FS-6005A

FS-6105A

FS-6205A

FS-6305A

FUL.12

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		47	250	47	S3	(F15,16)	6240S	OPP	17	
		C (73)		62	250	47	S3	(F15,16)	6240S	OPP	17	
		E (86)		74	225	43	S3	(F15,16)	6240S	OPP	17	
		J (95)			225	43	S3	(F15,16)	6240S	OPP	17	
		O (125)			195	37	S3	(F15,16)	6240S	OPP	17	
		R (137)			180	34	S3	(F15,16)	6240S	OPP	17	
		S (150)			162	31	S3	(F15,16)	6240S	OPP	17	
		T (165)			148	28	S3	(F15,16)	6240S	OPP	17	
3200		Z (40)		34	250	47	S3	(F15,16)	6240S	OPP	17	
		A (50)		42	250	47	S3	(F15,16)	6240S	OPP	17	
		B (55)		47	250	47	S3	(F15,16)	6240S	OPP	17	
		C (73)		62	250	47	S3	(F15,16)	6240S	OPP	17	
		E (86)		74	225	43	S3	(F15,16)	6240S	OPP	17	
		J (95)			225	43	S3	(F15,16)	6240S	OPP	17	
		O (125)			195	37	S3	(F15,16)	6240S	OPP	17	
		R (137)			180	34	S3	(F15,16)	6240S	OPP	17	
		S (150)			162	31	S3	(F15,16)	6240S	OPP	17	
		T (165)			148	28	S3	(F15,16)	6240S	OPP	17	

FOOT NOTES:

F15: Partial tooth engagement because transmission's PTO driver gear is not located .5" from centerline. Reduce available torque by 10%.

F16: 1000/3200 Series PTOs: Not available ratios above "E" because interfere with the adjacent gear in the transmission.

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

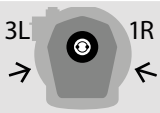
FS-6005B

FS-6105B

FS-6205B

FS-6305B

FUL.13

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1500	O (125)		129	195	37	INCL			OPP	26	

T-11605F

T-905F

FUL.15

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		57	250	47	INCL	(F6,7)		OPP	01	
		C (73)		76	250	47	INCL	(F6,7)		OPP	01	
		E (86)		90	225	43	INCL	(F6,7)		OPP	01	
		J (95)		99	225	43	INCL	(F6,7)		OPP	01	
		O (125)		130	195	37	INCL	(F6,7)		OPP	01	
		R (137)		142	180	34	INCL	(F6,7)		OPP	01	
		S (150)		156	162	31	INCL	(F6,7)		OPP	01	
		T (165)		171	148	28	INCL	(F6,7)		OPP	01	
3200		Z (40)		42	250	47	INCL	(F6,7)		OPP	01	
		A (50)		52	250	47	INCL	(F6,7)		OPP	01	
		B (55)		57	250	47	INCL	(F6,7)		OPP	01	
		C (73)		76	250	47	INCL	(F6,7)		OPP	01	
		E (86)		91	225	43	INCL	(F6,7)		OPP	01	
		J (95)		99	225	43	INCL	(F6,7)		OPP	01	
		O (125)		130	195	37	INCL	(F6,7)		OPP	01	
		R (137)		142	180	34	INCL	(F6,7)		OPP	01	
		S (150)		156	162	31	INCL	(F6,7)		OPP	01	
		T (165)		171	148	28	INCL	(F6,7)		OPP	01	
6000		Forward (73)		76	150	28	INCL	(F7)		BOTH	01	
		Reverse (83)		86	150	28	INCL	(F7)		BOTH	01	

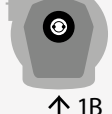
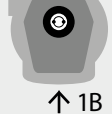
For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

T-11605F

T-905F

FUL.15

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		51	250	47	INCL			OPP	O1	 ↑ 1B
		B (55)		60	250	47	INCL			OPP	O1	
		C (73)		79	250	47	INCL			OPP	O1	
		E (86)		94	225	43	INCL			OPP	O1	
		J (95)		103	225	43	INCL			OPP	O1	
		O (125)		136	180	34	INCL			OPP	O1	
		R (137)		149	170	32	INCL			OPP	O1	
		S (150)		163	155	29	INCL			OPP	O1	
		T (165)		179	140	27	INCL			OPP	O1	
3800		Z (40)		43	250	47	INCL	CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		54	250	47	INCL	CLUTCH SHIFT		OPP	O1	
		B (55)		60	250	47	INCL	CLUTCH SHIFT		OPP	O1	
		C (73)		79	250	47	INCL	CLUTCH SHIFT		OPP	O1	
		E (86)		95	225	43	INCL	CLUTCH SHIFT		OPP	O1	
		J (95)		104	225	43	INCL	CLUTCH SHIFT		OPP	O1	
		O (125)		136	195	37	INCL	CLUTCH SHIFT		OPP	O1	
		R (137)		149	180	34	INCL	CLUTCH SHIFT		OPP	O1	
		S (150)		163	162	31	INCL	CLUTCH SHIFT		OPP	O1	
		T (165)		179	148	28	INCL	CLUTCH SHIFT		OPP	O1	
4100		B (57)		59	420	80	INCL			OPP	O1	 ↑ 1B
		C (70)		73	350	66	INCL			OPP	O1	
		E (86)		89	285	54	INCL			OPP	O1	
		J (105)		109	235	44	INCL			OPP	O1	
4250		Output 1 C (96)		72	355	67	INCL	(F25)		OPP	O1	 ↑ 1B
		Output 2 B (89)		67	380	72	INCL	(F25)		OPP	O1	
		Output 1 E (112)		84	300	57	INCL	(F25)		OPP	O1	
		Output 2 C (104)		77	325	62	INCL	(F25)		OPP	O1	
		Output 1 J (132)		98	260	49	INCL	(F25)		OPP	O1	
		Output 2 E (121)		90	280	53	INCL	(F25)		OPP	O1	
		Output 1 O (168)		126	200	38	INCL	(F25)		OPP	O1	
		Output 2 J (152)		114	220	42	INCL	(F25)		OPP	O1	
CONTINUES →												

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

T-11605F

T-905F

FUL.15

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
6800		Forward (55)		57	150	28	INCL			BOTH	O1	 ↑ 1B
		Reverse (52)		54	150	28	INCL			BOTH	O1	
8000		Forward (40)		45	500	95	INCL			BOTH	O1	 ↑ 1B
		Reverse (50)		53	500	95	INCL			BOTH	O1	
8500		B (57)		41	500	95	INCL			OPP	O1	 ↑ 1B
		C (70)		54	485	92	INCL			OPP	O1	
		E (86)		65	400	76	INCL			OPP	O1	
		J (105)		81	325	62	INCL			OPP	O1	
		O (127)		93	270	51	INCL			OPP	O1	
		R (137)		102	250	47	INCL			OPP	O1	
		S (150)		112	225	43	INCL			OPP	O1	
		T (165)		123	210	40	INCL			OPP	O1	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above **DO NOT** exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

- F25:** Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.
- F6:** Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
- F7:** For vehicles with Spring Hanger interference use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.

For complete part numbers, consult the PTO Series section (page 25)



Eaton Fuller

T-11606
T-11607A/B
T-8607A/B

TS-11612A
TS-12612A
TS-13612A

TS-15612A
TS-16612A
TSO-11612A

TSO-12612A
TSO-13612A
TSO-15612A

TSO-16612A

FUL.16

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		56	250	47	INCL	(F20)	6140S	OPP	14	
		C (73)		75	250	47	INCL	(F20)	6140S	OPP	14	
		E (86)		89	225	43	INCL	(F20)	6140S	OPP	14	
		J (95)		97	225	43	INCL	(F20)	6140S	OPP	14	
		O (125)		128	195	37	INCL	(F20)	6140S	OPP	14	
		R (137)		140	180	34	INCL	(F20)	6140S	OPP	14	
		S (150)		154	162	31	INCL	(F20)	6140S	OPP	14	
		T (165)		169	148	28	INCL	(F20)	6140S	OPP	14	
3200		Z (40)		41	250	47	INCL	CLUTCH SHIFT	AD68248	OPP	14	
		A (50)		51	250	47	INCL	CLUTCH SHIFT	AD68248	OPP	14	
		B (55)		56	250	47	INCL	CLUTCH SHIFT	AD68248	OPP	14	
		C (73)		75	250	47	INCL	CLUTCH SHIFT	AD68248	OPP	14	
		E (86)		90	225	43	INCL	CLUTCH SHIFT	AD68248	OPP	14	
		J (95)		98	225	43	INCL	CLUTCH SHIFT	AD68248	OPP	14	
		O (125)		128	195	37	INCL	CLUTCH SHIFT	AD68248	OPP	14	
		R (137)		140	180	34	INCL	CLUTCH SHIFT	AD68248	OPP	14	
		S (150)		154	162	31	INCL	CLUTCH SHIFT	AD68248	OPP	14	
		T (165)		169	148	28	INCL	CLUTCH SHIFT	AD68248	OPP	14	
6000		Forward (73)		75	150	28	INCL		6140S	BOTH	14	
		Reverse (83)		85	150	28	INCL		6140S	BOTH	14	

Eaton Fuller

T-11606
T-11607A/B
T-8607A/B

TS-11612A
TS-12612A
TS-13612A

TS-15612A
TS-16612A
TSO-11612A

TSO-12612A
TSO-13612A
TSO-15612A

TSO-16612A

FUL.16

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250	47	INCL			OPP	14	 ↑ 1B
		B (55)		56	250	47	INCL			OPP	14	
		C (73)		75	250	47	INCL			OPP	14	
		E (86)		89	225	43	INCL			OPP	14	
		J (95)		97	225	43	INCL			OPP	14	
		O (125)		128	180	34	INCL			OPP	14	
		R (137)		140	170	32	INCL			OPP	14	
		S (150)		154	155	29	INCL			OPP	14	
		T (165)		169	140	27	INCL			OPP	14	
3800		Z (40)		41	250	47	INCL	CLUTCH SHIFT		OPP	14	 ↑ 1B
		A (50)		51	250	47	INCL	CLUTCH SHIFT		OPP	14	
		B (55)		56	250	47	INCL	CLUTCH SHIFT		OPP	14	
		C (73)		75	250	47	INCL	CLUTCH SHIFT		OPP	14	
		E (86)		90	225	43	INCL	CLUTCH SHIFT		OPP	14	
		J (95)		98	225	43	INCL	CLUTCH SHIFT		OPP	14	
		O (125)		128	195	37	INCL	CLUTCH SHIFT		OPP	14	
		R (137)		140	180	34	INCL	CLUTCH SHIFT		OPP	14	
		S (150)		154	162	31	INCL	CLUTCH SHIFT		OPP	14	
		T (165)		169	148	28	INCL	CLUTCH SHIFT		OPP	14	
8500		B (57)		69	500	95	INCL			OPP	14	 ↑ 1B
		C (70)		91	485	92	INCL			OPP	14	
		E (86)		109	400	76	INCL			OPP	14	
		J (105)		135	325	62	INCL			OPP	14	
		O (127)		156	270	51	INCL			OPP	14	
		R (137)		171	250	47	INCL			OPP	14	
		S (150)		187	225	43	INCL			OPP	14	
		T (165)		206	210	40	INCL			OPP	14	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

F20: Direct mount pumps will not clear bulge on transmission. Use of adapter will not work.

For complete part numbers, consult the PTO Series section (page 25)



Eaton Fuller

T-14607A/B

FUL.17

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		55	250	47	INCL	(F20)	6187S	OPP	27	
		C (73)		73	250	47	INCL	(F20)	6187S	OPP	27	
		E (86)		87	225	43	INCL	(F20)	6187S	OPP	27	
		J (95)		95	225	43	INCL	(F20)	6187S	OPP	27	
		O (125)		125	195	37	INCL	(F20)	6187S	OPP	27	
		R (137)		137	180	34	INCL	(F20)	6187S	OPP	27	
		S (150)		150	162	31	INCL	(F20)	6187S	OPP	27	
		T (165)		165	148	28	INCL	(F20)	6187S	OPP	27	
3200		Z (40)		40	250	47	INCL	(F20) CLUTCH SHIFT	6187S	OPP	27	
		A (50)		50	250	47	INCL	(F20) CLUTCH SHIFT	6187S	OPP	27	
		B (55)		55	250	47	INCL	(F20) CLUTCH SHIFT	6187S	OPP	27	
		C (73)		73	250	47	INCL	(F20) CLUTCH SHIFT	6187S	OPP	27	
		E (86)		87	225	43	INCL	(F20) CLUTCH SHIFT	6187S	OPP	27	
		J (95)		95	225	43	INCL	(F20) CLUTCH SHIFT	6187S	OPP	27	
		O (125)		125	195	37	INCL	(F20) CLUTCH SHIFT	6187S	OPP	27	
		R (137)		137	180	34	INCL	(F20) CLUTCH SHIFT	6187S	OPP	27	
		S (150)		150	162	31	INCL	(F20) CLUTCH SHIFT	6187S	OPP	27	
		T (165)		164	148	28	INCL	(F20) CLUTCH SHIFT	6187S	OPP	27	
6000		Forward (73)		73	150	28	INCL		6187S	BOTH	27	
		Reverse (83)		83	150	28	INCL		6187S	BOTH	27	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

T-14607A/B

FUL.17

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250	47	INCL		GA8062	OPP	27	 ↑ 1B
		B (55)		55	250	47	INCL		GA8062	OPP	27	
		C (73)		73	250	47	INCL		GA8062	OPP	27	
		E (86)		87	225	43	INCL		GA8062	OPP	27	
		J (95)		95	225	43	INCL		GA8062	OPP	27	
		O (125)		125	180	34	INCL		GA8062	OPP	27	
		R (137)		137	170	32	INCL		GA8062	OPP	27	
		S (150)		150	155	29	INCL		GA8062	OPP	27	
		T (165)		165	140	27	INCL		GA8062	OPP	27	
3800		Z (40)		40	250	47	INCL	CLUTCH SHIFT	GA8062	OPP	27	 ↑ 1B
		A (50)		50	250	47	INCL	CLUTCH SHIFT	GA8062	OPP	27	
		B (55)		55	250	47	INCL	CLUTCH SHIFT	GA8062	OPP	27	
		C (73)		73	250	47	INCL	CLUTCH SHIFT	GA8062	OPP	27	
		E (86)		87	225	43	INCL	CLUTCH SHIFT	GA8062	OPP	27	
		J (95)		95	225	43	INCL	CLUTCH SHIFT	GA8062	OPP	27	
		O (125)		125	195	37	INCL	CLUTCH SHIFT	GA8062	OPP	27	
		R (137)		137	180	34	INCL	CLUTCH SHIFT	GA8062	OPP	27	
		S (150)		150	162	31	INCL	CLUTCH SHIFT	GA8062	OPP	27	
		T (165)		164	148	28	INCL	CLUTCH SHIFT	GA8062	OPP	27	
8500		B (57)		69	500	95	INCL			OPP	27	 ↑ 1B
		C (70)		91	485	92	INCL			OPP	27	
		E (86)		109	400	76	INCL			OPP	27	
		J (105)		135	325	62	INCL			OPP	27	
		O (127)		156	270	51	INCL			OPP	27	
		R (137)		171	250	47	INCL			OPP	27	
		S (150)		187	225	43	INCL			OPP	27	
		T (165)		206	210	40	INCL			OPP	27	

FOOT NOTES:

F20: Direct mount pumps will not clear bulge on transmission. Use of adapter will not work.

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

T-11605C

T-905C/J

FUL.18

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		58	250	47	INCL	(F6,7)		OPP	01	
		C (73)		77	250	47	INCL	(F6,7)		OPP	01	
		E (86)		91	225	43	INCL	(F6,7)		OPP	01	
		J (95)		100	225	43	INCL	(F6,7)		OPP	01	
		O (125)		131	195	37	INCL	(F6,7)		OPP	01	
		R (137)		144	180	34	INCL	(F6,7)		OPP	01	
		S (150)		157	162	31	INCL	(F6,7)		OPP	01	
		T (165)		173	148	28	INCL	(F6,7)		OPP	01	
3200		Z (40)		42	250	47	INCL	(F6,7)		OPP	01	
		A (50)		52	250	47	INCL	(F6,7)		OPP	01	
		B (55)		58	250	47	INCL	(F6,7)		OPP	01	
		C (73)		77	250	47	INCL	(F6,7)		OPP	01	
		E (86)		92	225	43	INCL	(F6,7)		OPP	01	
		J (95)		100	225	43	INCL	(F6,7)		OPP	01	
		O (125)		131	195	37	INCL	(F6,7)		OPP	01	
		R (137)		144	180	34	INCL	(F6,7)		OPP	01	
		S (150)		157	162	31	INCL	(F6,7)		OPP	01	
		T (165)		173	148	28	INCL	(F6,7)		OPP	01	
6000		Forward (73)		77	150	28	INCL	(F7)		BOTH	01	
		Reverse (83)		87	150	28	INCL	(F7)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

T-11605C

T-905C/J

FUL.18

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		51	250	47	INCL			OPP	O1	 ↑ 1B
		B (55)		60	250	47	INCL			OPP	O1	
		C (73)		80	250	47	INCL			OPP	O1	
		E (86)		95	225	43	INCL			OPP	O1	
		J (95)		104	225	43	INCL			OPP	O1	
		O (125)		137	180	34	INCL			OPP	O1	
		R (137)		150	170	32	INCL			OPP	O1	
		S (150)		164	155	29	INCL			OPP	O1	
		T (165)		181	140	27	INCL			OPP	O1	
3800		Z (40)		44	250	47	INCL	CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		55	250	47	INCL	CLUTCH SHIFT		OPP	O1	
		B (55)		60	250	47	INCL	CLUTCH SHIFT		OPP	O1	
		C (73)		80	250	47	INCL	CLUTCH SHIFT		OPP	O1	
		E (86)		96	225	43	INCL	CLUTCH SHIFT		OPP	O1	
		J (95)		105	225	43	INCL	CLUTCH SHIFT		OPP	O1	
		O (125)		137	195	37	INCL	CLUTCH SHIFT		OPP	O1	
		R (137)		150	180	34	INCL	CLUTCH SHIFT		OPP	O1	
		S (150)		164	162	31	INCL	CLUTCH SHIFT		OPP	O1	
4100		T (165)		181	148	28	INCL	CLUTCH SHIFT		OPP	O1	 ↑ 1B
		B (57)		60	420	80	INCL			OPP	O1	
		C (70)		73	350	66	INCL			OPP	O1	
		E (86)		90	285	54	INCL			OPP	O1	
4250		J (105)		110	235	44	INCL			OPP	O1	 ↑ 1B
		Output 1 C (96)		72	355	67	INCL	(F25)		OPP	O1	
		Output 2 B (89)		67	380	72	INCL	(F25)		OPP	O1	
		Output 1 E (112)		85	300	57	INCL	(F25)		OPP	O1	
		Output 2 C (104)		78	325	62	INCL	(F25)		OPP	O1	
		Output 1 J (132)		99	260	49	INCL	(F25)		OPP	O1	
		Output 2 E (121)		91	280	53	INCL	(F25)		OPP	O1	
		Output 1 O (168)		127	200	38	INCL	(F25)		OPP	O1	
6800		Output 2 J (152)		115	220	42	INCL	(F25)		OPP	O1	 ↑ 1B
		Forward (55)		58	150	28	INCL			BOTH	O1	
		Reverse (52)		55	150	28	INCL			BOTH	O1	↑ 1B

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

T-11605C

T-905C/J

FUL.18

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
8000	Forward (40)		45		500	95	INCL			BOTH	O1	 ↑ 1B
	Reverse (50)		54		500	95	INCL			BOTH	O1	
8500	B (57)		41		500	95	INCL			OPP	O1	 ↑ 1B
	C (70)		55		485	92	INCL			OPP	O1	
	E (86)		66		400	76	INCL			OPP	O1	
	J (105)		81		325	62	INCL			OPP	O1	
	O (127)		94		270	51	INCL			OPP	O1	
	R (137)		103		250	47	INCL			OPP	O1	
	S (150)		113		225	43	INCL			OPP	O1	
	T (165)		124		210	40	INCL			OPP	O1	

CAUTION:
Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above **DO NOT** exceed 350 ft-lbs of torque for any application.

FOOT NOTES:
F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.
F6: Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
F7: For vehicles with Spring Hanger interference use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.

Eaton Fuller

FS-5106A
FS-5306A/X

FS-5406A
FS-6206A

FS-6306A/B
FS-6306X

FS-6406A/B
FSB-5406B

FSB-6406B

FUL.20

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		50	250	47	INCL		GA6062	OPP	17	
		C (73)		66	250	47	INCL		GA6062	OPP	17	
		E (86)		78	225	43	INCL		GA6062	OPP	17	
		J (95)		86	225	43	INCL		GA6062	OPP	17	
		O (125)		113	195	37	INCL		GA6062	OPP	17	
		R (137)		124	180	34	INCL		GA6062	OPP	17	
		S (150)		135	162	31	INCL		GA6062	OPP	17	
		T (165)		149	148	28	INCL		GA6062	OPP	17	
3200		Z (40)		36	250	47	INCL		GA6062	OPP	17	
		A (50)		45	250	47	INCL		GA6062	OPP	17	
		B (55)		50	250	47	INCL		GA6062	OPP	17	
		C (73)		66	250	47	INCL		GA6062	OPP	17	
		E (86)		79	225	43	INCL		GA6062	OPP	17	
		J (95)		86	225	43	INCL		GA6062	OPP	17	
		O (125)		113	195	37	INCL		GA6062	OPP	17	
		R (137)		123	180	34	INCL		GA6062	OPP	17	
		S (150)		135	162	31	INCL		GA6062	OPP	17	
		T (165)		148	148	28	INCL		GA6062	OPP	17	
6000		Forward (73)		66	150	28	INCL		GA6062	BOTH	17	
		Reverse (83)		75	150	28	INCL		GA6062	BOTH	17	

Eaton Fuller

For complete part numbers, consult the PTO Series section (page 25)



Eaton Fuller

FS-3005B (1988 & Before)

FS-4005B (Before 11/87)

FUL.21

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		43	250	47	INCL	Before 11/87		OPP	23	
		C (73)		57	250	47	INCL	Before 11/87		OPP	23	
		E (86)		68	225	43	INCL	Before 11/87		OPP	23	
		J (95)		74	225	43	INCL	Before 11/87		OPP	23	
		O (125)		97	195	37	INCL	Before 11/87		OPP	23	
		R (137)		107	180	34	INCL	Before 11/87		OPP	23	
		S (150)		117	162	31	INCL	Before 11/87		OPP	23	
		T (165)		128	148	28	INCL	Before 11/87		OPP	23	
6000		Forward (73)		57	150	28	INCL	Before 11/87		BOTH	23	
		Reverse (83)		65	150	28	INCL	Before 11/87		BOTH	23	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FS-3005B (1989 & After)

FS-3205B

FS-4005B (11/87 & After)

FS-4205B

FUL.22

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		43	250	47	INCL			OPP	18	
		C (73)		57	250	47	INCL			OPP	18	
		E (86)		68	225	43	INCL			OPP	18	
		J (95)		74	225	43	INCL			OPP	18	
		O (125)		97	195	37	INCL			OPP	18	
		R (137)		107	180	34	INCL			OPP	18	
		S (150)		117	162	31	INCL			OPP	18	
		T (165)		129	148	28	INCL			OPP	18	
3200		Z (40)		31	250	47	INCL			OPP	18	
		A (50)		39	250	47	INCL			OPP	18	
		B (55)		43	250	47	INCL			OPP	18	
		C (73)		57	250	47	INCL			OPP	18	
		E (86)		68	225	43	INCL			OPP	18	
		J (95)		75	225	43	INCL			OPP	18	
		O (125)		97	195	37	INCL			OPP	18	
		R (137)		107	180	34	INCL			OPP	18	
		S (150)		117	162	31	INCL			OPP	18	
		T (165)		128	148	28	INCL			OPP	18	
6000		Forward (73)		57	150	28	INCL			BOTH	18	
		Reverse (83)		65	150	28	INCL			BOTH	18	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

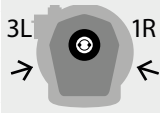
FS-3005C

FS-3205C

FS-4005C

FS-4205C

FUL.23

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		44	250	47	S3		GA6093	OPP	15	
		C (73)		59	250	47	S3		GA6093	OPP	15	
		E (86)		70	225	43	S3		GA6093	OPP	15	
		J (95)		77	225	43	S3		GA6093	OPP	15	
		O (125)		101	195	37	S3		GA6093	OPP	15	
		R (137)		111	180	34	S3		GA6093	OPP	15	
		S (150)		121	162	31	S3		GA6093	OPP	15	
		T (165)		133	148	28	S3		GA6093	OPP	15	
3200		Z (40)		32	250	47	S3		GA6093	OPP	15	
		A (50)		40	250	47	S3		GA6093	OPP	15	
		B (55)		44	250	47	S3		GA6093	OPP	15	
		C (73)		59	250	47	S3		GA6093	OPP	15	
		E (86)		71	225	43	S3		GA6093	OPP	15	
		J (95)		77	225	43	S3		GA6093	OPP	15	
		O (125)		101	195	37	S3		GA6093	OPP	15	
		R (137)		110	180	34	S3		GA6093	OPP	15	
		S (150)		121	162	31	S3		GA6093	OPP	15	
6000		T (165)		133	148	28	S3		GA6093	OPP	15	
		Forward (73)		59	150	28	S3		GA6093	BOTH	15	
		Reverse (83)		67	150	28	S3		GA6093	BOTH	15	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

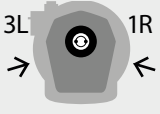
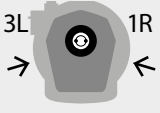
F-5405-DM3
F-6406N-ASW
F-6406N-ASX

F-6406N-AW3
F-8406N-ASW
F-8406N-AW3

FO-6406N-AW3
FS-5406N
FS-6406N

FS-6406N-ASW
FS-6406N-ASX
FS-6406N-AW3

FUL.24

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		49	250	47	INCL			OPP	42	
		C (73)		66	250	47	INCL			OPP	42	
		E (86)		78	225	43	INCL			OPP	42	
		J (95)		85	225	43	INCL			OPP	42	
		O (125)		112	195	37	INCL			OPP	42	
		R (137)		123	180	34	INCL			OPP	42	
		S (150)		135	162	31	INCL			OPP	42	
		T (165)		148	148	28	INCL			OPP	42	
3200		Z (40)		36	250	47	INCL			OPP	42	
		A (50)		45	250	47	INCL			OPP	42	
		B (55)		49	250	47	INCL			OPP	42	
		C (73)		66	250	47	INCL			OPP	42	
		E (86)		79	225	43	INCL			OPP	42	
		J (95)		86	225	43	INCL			OPP	42	
		O (125)		112	195	37	INCL			OPP	42	
		R (137)		123	180	34	INCL			OPP	42	
		S (150)		135	162	31	INCL			OPP	42	
		T (165)		148	148	28	INCL			OPP	42	
6000		Forward (73)		66	150	28	INCL			BOTH	42	
		Reverse (83)		75	150	28	INCL			BOTH	42	

FOOT NOTES:

F4: Limited clearance for direct mount pumps. A May find better clearance with "1" assembly arrangement (shaft high).

F5: ASW Transmission Code requires connection to TCM.

Left side opening not usable on ASW and ASX transmissions due to countershaft brake.

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

T-11605A/B

T-905A/B/H/P

T-955AL/ALL

FUL.25

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		60	250	47	INCL	(F6,7)		OPP	01	
		C (73)		80	250	47	INCL	(F6,7)		OPP	01	
		E (86)		95	225	43	INCL	(F6,7)		OPP	01	
		J (95)		104	225	43	INCL	(F6,7)		OPP	01	
		O (125)		136	195	37	INCL	(F6,7)		OPP	01	
		R (137)		149	180	34	INCL	(F6,7)		OPP	01	
		S (150)		164	162	31	INCL	(F6,7)		OPP	01	
		T (165)		180	148	28	INCL	(F6,7)		OPP	01	
3200		Z (40)		44	250	47	INCL	(F6,7)		OPP	01	
		A (50)		55	250	47	INCL	(F6,7)		OPP	01	
		B (55)		60	250	47	INCL	(F6,7)		OPP	01	
		C (73)		80	250	47	INCL	(F6,7)		OPP	01	
		E (86)		95	225	43	INCL	(F6,7)		OPP	01	
		J (95)		104	225	43	INCL	(F6,7)		OPP	01	
		O (125)		136	195	37	INCL	(F6,7)		OPP	01	
		R (137)		149	180	34	INCL	(F6,7)		OPP	01	
		S (150)		164	162	31	INCL	(F6,7)		OPP	01	
		T (165)		180	148	28	INCL	(F6,7)		OPP	01	
6000		Forward (73)		80	150	28	INCL	(F7)		BOTH	01	
		Reverse (83)		90	150	28	INCL	(F7)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

T-11605A/B

T-905A/B/H/P

T-955AL/ALL

FUL.25

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		53	250	47	INCL			OPP	O1	 ↑ 1B
		B (55)		63	250	47	INCL			OPP	O1	
		C (73)		83	250	47	INCL			OPP	O1	
		E (86)		99	225	43	INCL			OPP	O1	
		J (95)		108	225	43	INCL			OPP	O1	
		O (125)		142	180	34	INCL			OPP	O1	
		R (137)		156	170	32	INCL			OPP	O1	
		S (150)		171	155	29	INCL			OPP	O1	
		T (165)		188	140	27	INCL			OPP	O1	
3800		Z (40)		46	250	47	INCL	CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		57	250	47	INCL	CLUTCH SHIFT		OPP	O1	
		B (55)		63	250	47	INCL	CLUTCH SHIFT		OPP	O1	
		C (73)		83	250	47	INCL	CLUTCH SHIFT		OPP	O1	
		E (86)		100	225	43	INCL	CLUTCH SHIFT		OPP	O1	
		J (95)		109	225	43	INCL	CLUTCH SHIFT		OPP	O1	
		O (125)		142	195	37	INCL	CLUTCH SHIFT		OPP	O1	
		R (137)		156	180	34	INCL	CLUTCH SHIFT		OPP	O1	
		S (150)		171	162	31	INCL	CLUTCH SHIFT		OPP	O1	
4100		T (165)		188	148	28	INCL	CLUTCH SHIFT		OPP	O1	 ↑ 1B
		B (57)		62	420	80	INCL			OPP	O1	
		C (70)		76	350	66	INCL			OPP	O1	
		E (86)		94	285	54	INCL			OPP	O1	
		J (105)		114	235	44	INCL			OPP	O1	
4250		Output 1 C (96)		75	355	67	INCL	(F25)		OPP	O1	 ↑ 1B
		Output 2 B (89)		70	380	72	INCL	(F25)		OPP	O1	
		Output 1 E (112)		88	300	57	INCL	(F25)		OPP	O1	
		Output 2 C (104)		81	325	62	INCL	(F25)		OPP	O1	
		Output 1 J (132)		103	260	49	INCL	(F25)		OPP	O1	
		Output 2 E (121)		95	280	53	INCL	(F25)		OPP	O1	
		Output 1 O (168)		132	200	38	INCL	(F25)		OPP	O1	
		Output 2 J (152)		119	220	42	INCL	(F25)		OPP	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)



Eaton Fuller

T-11605A/B

T-905A/B/H/P

T-955AL/ALL

FUL.25

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
6800	Forward (55)		60	150	28	INCL			BOTH	O1	 ↑ 1B	
	Reverse (52)		57	150	28	INCL			BOTH	O1		
8000	Forward (40)		47	500	95	INCL			BOTH	O1	 ↑ 1B	
	Reverse (50)		56	500	95	INCL			BOTH	O1		
8500	B (57)		43	500	95	INCL			OPP	O1	 ↑ 1B	
	C (70)		57	485	92	INCL			OPP	O1		
	E (86)		68	400	76	INCL			OPP	O1		
	J (105)		85	325	62	INCL			OPP	O1		
	O (127)		98	270	51	INCL			OPP	O1		
	R (137)		107	250	47	INCL			OPP	O1		
	S (150)		117	225	43	INCL			OPP	O1		
	T (165)		129	210	40	INCL			OPP	O1		

CAUTION:
Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.
The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above
DO NOT exceed 350 ft-lbs of torque for any application.

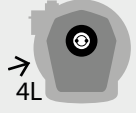
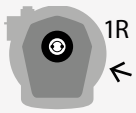
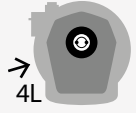
FOOT NOTES:
F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.
F6: Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
F7: For vehicles with Spring Hanger interference use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.

Eaton Fuller

FS-5005B

FS-5205B

FUL.26

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		25	250	47	INCL			ENG	06	
		C (73)		33	250	47	INCL			ENG	06	
		E (86)		39	225	43	INCL			ENG	06	
		J (95)		43	225	43	INCL			ENG	06	
		O (125)		56	195	37	INCL			ENG	06	
		R (137)		62	180	34	INCL			ENG	06	
		S (150)		67	162	31	INCL			ENG	06	
		T (165)		74	148	28	INCL			ENG	06	
1000		B (55)		45	250	47	S3		GA6093	OPP	30	
		C (73)		59	250	47	S3		GA6093	OPP	30	
		E (86)		70	225	43	S3		GA6093	OPP	30	
		J (95)		77	225	43	S3		GA6093	OPP	30	
		O (125)		101	195	37	S3		GA6093	OPP	30	
		R (137)		111	180	34	S3		GA6093	OPP	30	
		S (150)		122	162	31	S3		GA6093	OPP	30	
		T (165)		134	148	28	S3		GA6093	OPP	30	
3200		Z (40)		19	250	47	S3		GA6093	OPP	30	
		A (50)		23	250	47	S3		GA6093	OPP	30	
		B (55)		26	250	47	S3		GA6093	OPP	30	
		C (73)		34	250	47	S3		GA6093	OPP	30	
		E (86)		41	225	43	S3		GA6093	OPP	30	
		J (95)		45	225	43	S3		GA6093	OPP	30	
		O (125)		58	195	37	S3		GA6093	OPP	30	
		R (137)		64	180	34	S3		GA6093	OPP	30	
		S (150)		70	162	31	S3		GA6093	OPP	30	
		T (165)		77	148	28	S3		GA6093	OPP	30	
6000		Forward (73)		32	150	28	INCL			BOTH	06	
		Reverse (83)		37	150	28	INCL			BOTH	06	
6000		Forward (73)		59	150	28	S3		GA6093	BOTH	30	
		Reverse (83)		67	150	28	S3		GA6093	BOTH	30	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FS-5005C

FS-5205C

FUL.27

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		24	250	47	INCL			ENG	06	
		C (73)		32	250	47	INCL			ENG	06	
		E (86)		39	225	43	INCL			ENG	06	
		J (95)		42	225	43	INCL			ENG	06	
		O (125)		56	195	37	INCL			ENG	06	
		R (137)		61	180	34	INCL			ENG	06	
		S (150)		67	162	31	INCL			ENG	06	
		T (165)		73	148	28	INCL			ENG	06	
1000		B (55)		41	250	47	S3		6187S	OPP	22	
		C (73)		54	250	47	S3		6187S	OPP	22	
		E (86)		65	225	43	S3		6187S	OPP	22	
		J (95)		71	225	43	S3		6187S	OPP	22	
		O (125)		93	195	37	S3		6187S	OPP	22	
		R (137)		101	180	34	S3		6187S	OPP	22	
		S (150)		111	162	31	S3		6187S	OPP	22	
		T (165)		122	148	28	S3		6187S	OPP	22	
3200		Z (40)		30	250	47	S3		6187S	OPP	22	
		A (50)		37	250	47	S3		6187S	OPP	22	
		B (55)		41	250	47	S3		6187S	OPP	22	
		C (73)		54	250	47	S3		6187S	OPP	22	
		E (86)		65	225	43	S3		6187S	OPP	22	
		J (95)		71	225	43	S3		6187S	OPP	22	
		O (125)		93	195	37	S3		6187S	OPP	22	
		R (137)		101	180	34	S3		6187S	OPP	22	
		S (150)		111	162	31	S3		6187S	OPP	22	
6000		Forward (73)		32	150	28	INCL			BOTH	06	
		Reverse (83)		37	150	28	INCL			BOTH	06	
6000		Forward (73)		54	150	28	S3		6187S	BOTH	22	
		Reverse (83)		61	150	28	S3		6187S	BOTH	22	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FSM-5005H

FSM-5305H

FUL.28

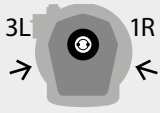
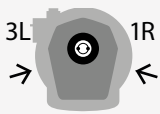
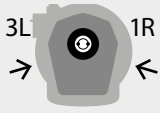
	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		45	250	47	INCL		GA6062	OPP	30	
		C (73)		59	250	47	INCL		GA6062	OPP	30	
		E (86)		71	225	43	INCL		GA6062	OPP	30	
		J (95)		77	225	43	INCL		GA6062	OPP	30	
		O (125)		102	195	37	INCL		GA6062	OPP	30	
		R (137)		112	180	34	INCL		GA6062	OPP	30	
		S (150)		122	162	31	INCL		GA6062	OPP	30	
		T (165)		134	148	28	INCL		GA6062	OPP	30	
3200		Z (40)		33	250	47	INCL		GA6062	OPP	30	
		A (50)		41	250	47	INCL		GA6062	OPP	30	
		B (55)		45	250	47	INCL		GA6062	OPP	30	
		C (73)		59	250	47	INCL		GA6062	OPP	30	
		E (86)		71	225	43	INCL		GA6062	OPP	30	
		J (95)		78	225	43	INCL		GA6062	OPP	30	
		O (125)		102	195	37	INCL		GA6062	OPP	30	
		R (137)		111	180	34	INCL		GA6062	OPP	30	
		S (150)		122	162	31	INCL		GA6062	OPP	30	
6000		T (165)		134	148	28	INCL		GA6062	OPP	30	
		Forward (73)		59	150	28	INCL		GA6062	BOTH	30	
		Reverse (83)		68	150	28	INCL		GA6062	BOTH	30	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FSM-5005J

FUL.29

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		43	250	47	INCL		GA6062	OPP	30	
		C (73)		58	250	47	INCL		GA6062	OPP	30	
		E (86)		69	225	43	INCL		GA6062	OPP	30	
		J (95)		75	225	43	INCL		GA6062	OPP	30	
		O (125)		99	195	37	INCL		GA6062	OPP	30	
		R (137)		108	180	34	INCL		GA6062	OPP	30	
		S (150)		118	162	31	INCL		GA6062	OPP	30	
		T (165)		130	148	28	INCL		GA6062	OPP	30	
3200		Z (40)		32	250	47	INCL		GA6062	OPP	30	
		A (50)		39	250	47	INCL		GA6062	OPP	30	
		B (55)		43	250	47	INCL		GA6062	OPP	30	
		C (73)		58	250	47	INCL		GA6062	OPP	30	
		E (86)		69	225	43	INCL		GA6062	OPP	30	
		J (95)		76	225	43	INCL		GA6062	OPP	30	
		O (125)		99	195	37	INCL		GA6062	OPP	30	
		R (137)		108	180	34	INCL		GA6062	OPP	30	
		S (150)		118	162	31	INCL		GA6062	OPP	30	
6000		Forward (73)		58	150	28	INCL		GA6062	BOTH	30	
		Reverse (83)		66	150	28	INCL		GA6062	BOTH	30	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RT-11608

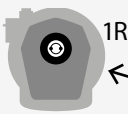
RT-14608

RT-8606L

RT-8608L

RT-9508

FUL.30

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		65	250	47	INCL	(F6,7,28)		OPP	01	 1R ←
		C (73)		86	250	47	INCL	(F6,7,28)		OPP	01	
		E (86)		103	225	43	INCL	(F6,7,28)		OPP	01	
		J (95)		112	225	43	INCL	(F6,7,28)		OPP	01	
		O (125)		148	195	37	INCL	(F6,7,28)		OPP	01	
		R (137)		162	180	34	INCL	(F6,7,28)		OPP	01	
		S (150)		177	162	31	INCL	(F6,7,28)		OPP	01	
		T (165)		195	148	28	INCL	(F6,7,28)		OPP	01	
3200		Z (40)		47	250	47	INCL	(F6,7,28)		OPP	01	 1R ←
		A (50)		59	250	47	INCL	(F6,7,28)		OPP	01	
		B (55)		65	250	47	INCL	(F6,7,28)		OPP	01	
		C (73)		86	250	47	INCL	(F6,7,28)		OPP	01	
		E (86)		103	225	43	INCL	(F6,7,28)		OPP	01	
		J (95)		113	225	43	INCL	(F6,7,28)		OPP	01	
		O (125)		148	195	37	INCL	(F6,7,28)		OPP	01	
		R (137)		162	180	34	INCL	(F6,7,28)		OPP	01	
		S (150)		177	162	31	INCL	(F6,7,28)		OPP	01	
6000		T (165)		195	148	28	INCL	(F6,7,28)		OPP	01	 1R ←
		Forward (73)		86	150	28	INCL	(F28)		BOTH	01	
		Reverse (83)		98	150	28	INCL	(F28)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RT-11608

RT-14608

RT-8606L

RT-8608L

RT-9508

FUL.30

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		59	250	47	INCL	(F11)		OPP	O1	 ↑ 1B
		B (55)		68	250	47	INCL	(F11)		OPP	O1	
		C (73)		90	250	47	INCL	(F11)		OPP	O1	
		E (86)		107	225	43	INCL	(F11)		OPP	O1	
		J (95)		117	225	43	INCL	(F11)		OPP	O1	
		O (125)		154	180	34	INCL	(F11)		OPP	O1	
		R (137)		169	170	32	INCL	(F11)		OPP	O1	
		S (150)		185	155	29	INCL	(F11)		OPP	O1	
		T (165)		204	140	27	INCL	(F11)		OPP	O1	
3800		Z (40)		49	250	47	INCL	(F11) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		62	250	47	INCL	(F11) CLUTCH SHIFT		OPP	O1	
		B (55)		68	250	47	INCL	(F11) CLUTCH SHIFT		OPP	O1	
		C (73)		90	250	47	INCL	(F11) CLUTCH SHIFT		OPP	O1	
		E (86)		108	225	43	INCL	(F11) CLUTCH SHIFT		OPP	O1	
		J (95)		118	225	43	INCL	(F11) CLUTCH SHIFT		OPP	O1	
		O (125)		154	195	37	INCL	(F11) CLUTCH SHIFT		OPP	O1	
		R (137)		169	180	34	INCL	(F11) CLUTCH SHIFT		OPP	O1	
		S (150)		185	162	31	INCL	(F11) CLUTCH SHIFT		OPP	O1	
		T (165)		203	148	28	INCL	(F11) CLUTCH SHIFT		OPP	O1	
4100		B (57)		67	420	80	INCL	(F11)		OPP	O1	 ↑ 1B
		C (70)		83	350	66	INCL	(F11)		OPP	O1	
		E (86)		102	285	54	INCL	(F11)		OPP	O1	
		J (105)		124	235	44	INCL	(F11)		OPP	O1	
4250		Output 1 C (96)		82	355	67	INCL	(F11,25)		OPP	O1	 ↑ 1B
		Output 2 B (89)		76	380	72	INCL	(F11,25)		OPP	O1	
		Output 1 E (112)		96	300	57	INCL	(F11,25)		OPP	O1	
		Output 2 C (104)		88	325	62	INCL	(F11,25)		OPP	O1	
		Output 1 J (132)		112	260	49	INCL	(F11,25)		OPP	O1	
		Output 2 E (121)		103	280	53	INCL	(F11,25)		OPP	O1	
		Output 1 O (168)		143	200	38	INCL	(F11,25)		OPP	O1	
		Output 2 J (152)		129	220	42	INCL	(F11,25)		OPP	O1	
CONTINUES →												

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RT-11608

RT-14608

RT-8606L

RT-8608L

RT-9508

FUL.30

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
6800	Forward (55)		65	150	28	INCL	(F11)			BOTH	O1	 ↑ 1B
	Reverse (52)		61	150	28	INCL	(F11)			BOTH	O1	
8000	Forward (40)		51	500	95	INCL	(F11)			BOTH	O1	 ↑ 1B
	Reverse (50)		61	500	95	INCL	(F11)			BOTH	O1	
8500	B (57)		47	500	95	INCL	(F11)			OPP	O1	 ↑ 1B
	C (70)		62	485	92	INCL	(F11)			OPP	O1	
	E (86)		74	400	76	INCL	(F11)			OPP	O1	
	J (105)		92	325	62	INCL	(F11)			OPP	O1	
	O (127)		106	270	51	INCL	(F11)			OPP	O1	
	R (137)		116	250	47	INCL	(F11)			OPP	O1	
	S (150)		127	225	43	INCL	(F11)			OPP	O1	
	T (165)		140	210	40	INCL	(F11)			OPP	O1	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

- F11:** Trucks with setback front axles and direct mount pumps will have better clearance with "3" assembly arrangement. This will also provide better clearance of air tanks on International chassis.
- F25:** Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.
- F6:** Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
- F7:** For vehicles with Spring Hanger interference use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.

For complete part numbers, consult the PTO Series section (page 25)

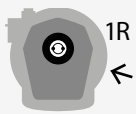


Eaton Fuller

TO-11605C

TO-905C

FUL.31

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		68	250	47	INCL	(F7)		OPP	01	
		C (73)		91	250	47	INCL	(F7)		OPP	01	
		E (86)		108	225	43	INCL	(F7)		OPP	01	
		J (95)		118	225	43	INCL	(F7)		OPP	01	
		O (125)		155	195	37	INCL	(F7)		OPP	01	
		R (137)		170	180	34	INCL	(F7)		OPP	01	
		S (150)		186	162	31	INCL	(F7)		OPP	01	
		T (165)		205	148	28	INCL	(F7)		OPP	01	
3200		Z (40)		50	250	47	INCL	(F7)		OPP	01	
		A (50)		62	250	47	INCL	(F7)		OPP	01	
		B (55)		68	250	47	INCL	(F7)		OPP	01	
		C (73)		91	250	47	INCL	(F7)		OPP	01	
		E (86)		109	225	43	INCL	(F7)		OPP	01	
		J (95)		119	225	43	INCL	(F7)		OPP	01	
		O (125)		155	195	37	INCL	(F7)		OPP	01	
		R (137)		170	180	34	INCL	(F7)		OPP	01	
		S (150)		186	162	31	INCL	(F7)		OPP	01	
6000		Forward (73)		91	150	28	INCL	(F7)		BOTH	01	
		Reverse (83)		103	150	28	INCL	(F7)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

TO-11605C

TO-905C

FUL.31

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		60	250	47	INCL			OPP	O1	 ↑ 1B
		B (55)		71	250	47	INCL			OPP	O1	
		C (73)		95	250	47	INCL			OPP	O1	
		E (86)		113	225	43	INCL			OPP	O1	
		J (95)		123	225	43	INCL			OPP	O1	
		O (125)		162	180	34	INCL			OPP	O1	
		R (137)		178	170	32	INCL			OPP	O1	
		S (150)		195	155	29	INCL			OPP	O1	
		T (165)		214	140	27	INCL			OPP	O1	
3800		Z (40)		52	250	47	INCL	CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		65	250	47	INCL	CLUTCH SHIFT		OPP	O1	
		B (55)		71	250	47	INCL	CLUTCH SHIFT		OPP	O1	
		C (73)		95	250	47	INCL	CLUTCH SHIFT		OPP	O1	
		E (86)		113	225	43	INCL	CLUTCH SHIFT		OPP	O1	
		J (95)		124	225	43	INCL	CLUTCH SHIFT		OPP	O1	
		O (125)		162	195	37	INCL	CLUTCH SHIFT		OPP	O1	
		R (137)		177	180	34	INCL	CLUTCH SHIFT		OPP	O1	
		S (150)		195	162	31	INCL	CLUTCH SHIFT		OPP	O1	
	T (165)		214	148	28	INCL	CLUTCH SHIFT		OPP	O1		
4100		B (57)		71	420	80	INCL			OPP	O1	 ↑ 1B
		C (70)		87	350	66	INCL			OPP	O1	
		E (86)		107	285	54	INCL			OPP	O1	
		J (105)		130	235	44	INCL			OPP	O1	
4250		Output 1 C (96)		86	355	67	INCL	(F25)		OPP	O1	 ↑ 1B
		Output 2 B (89)		80	380	72	INCL	(F25)		OPP	O1	
		Output 1 E (112)		100	300	57	INCL	(F25)		OPP	O1	
		Output 2 C (104)		93	325	62	INCL	(F25)		OPP	O1	
		Output 1 J (132)		118	260	49	INCL	(F25)		OPP	O1	
		Output 2 E (121)		108	280	53	INCL	(F25)		OPP	O1	
		Output 1 O (168)		150	200	38	INCL	(F25)		OPP	O1	
		Output 2 J (152)		136	220	42	INCL	(F25)		OPP	O1	
CONTINUES →												

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

TO-11605C

TO-905C

FUL.31

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
6800	Forward (55)		68	150	28	INCL			BOTH	O1		
	Reverse (52)		65	150	28	INCL			BOTH	O1	↑ 1B	
8000	Forward (40)		53	500	95	INCL			BOTH	O1		
	Reverse (50)		64	500	95	INCL			BOTH	O1	↑ 1B	
8500	B (57)		49	500	95	INCL			OPP	O1		
	C (70)		65	485	92	INCL			OPP	O1		
	E (86)		78	400	76	INCL			OPP	O1		
	J (105)		96	325	62	INCL			OPP	O1		
	O (127)		111	270	51	INCL			OPP	O1		
	R (137)		122	250	47	INCL			OPP	O1		
	S (150)		134	225	43	INCL			OPP	O1		
	T (165)		147	210	40	INCL			OPP	O1		

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.

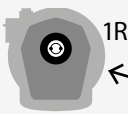
F7: For vehicles with Spring Hanger interference use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.

Eaton Fuller

T-11605D/M

T-905D/M

FUL.32

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		70	250	47	INCL	(F7)		OPP	01	
		C (73)		92	250	47	INCL	(F7)		OPP	01	
		E (86)		110	225	43	INCL	(F7)		OPP	01	
		J (95)		120	225	43	INCL	(F7)		OPP	01	
		O (125)		158	195	37	INCL	(F7)		OPP	01	
		R (137)		173	180	34	INCL	(F7)		OPP	01	
		S (150)		190	162	31	INCL	(F7)		OPP	01	
		T (165)		209	148	28	INCL	(F7)		OPP	01	
3200		Z (40)		51	250	47	INCL	(F7)		OPP	01	
		A (50)		63	250	47	INCL	(F7)		OPP	01	
		B (55)		70	250	47	INCL	(F7)		OPP	01	
		C (73)		92	250	47	INCL	(F7)		OPP	01	
		E (86)		111	225	43	INCL	(F7)		OPP	01	
		J (95)		121	225	43	INCL	(F7)		OPP	01	
		O (125)		158	195	37	INCL	(F7)		OPP	01	
		R (137)		173	180	34	INCL	(F7)		OPP	01	
		S (150)		190	162	31	INCL	(F7)		OPP	01	
6000		Forward (73)		92	150	28	INCL	(F7)		BOTH	01	
		Reverse		105	150	28	INCL	(F7)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

T-11605D/M

T-905D/M

FUL.32

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		62	250	47	INCL			OPP	O1	 ↑ 1B
		B (55)		73	250	47	INCL			OPP	O1	
		C (73)		97	250	47	INCL			OPP	O1	
		E (86)		115	225	43	INCL			OPP	O1	
		J (95)		126	225	43	INCL			OPP	O1	
		O (125)		165	180	34	INCL			OPP	O1	
		R (137)		181	170	32	INCL			OPP	O1	
		S (150)		198	155	29	INCL			OPP	O1	
		T (165)		218	140	27	INCL			OPP	O1	
3800		Z (40)		53	250	47	INCL	CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		66	250	47	INCL	CLUTCH SHIFT		OPP	O1	
		B (55)		73	250	47	INCL	CLUTCH SHIFT		OPP	O1	
		C (73)		97	250	47	INCL	CLUTCH SHIFT		OPP	O1	
		E (86)		116	225	43	INCL	CLUTCH SHIFT		OPP	O1	
		J (95)		126	225	43	INCL	CLUTCH SHIFT		OPP	O1	
		O (125)		165	195	37	INCL	CLUTCH SHIFT		OPP	O1	
		R (137)		181	180	34	INCL	CLUTCH SHIFT		OPP	O1	
		S (150)		198	162	31	INCL	CLUTCH SHIFT		OPP	O1	
		T (165)		218	148	28	INCL	CLUTCH SHIFT		OPP	O1	
4100		B (57)		72	420	80	INCL			OPP	O1	 ↑ 1B
		C (70)		89	350	66	INCL			OPP	O1	
		E (86)		109	285	54	INCL			OPP	O1	
		J (105)		133	235	44	INCL			OPP	O1	
4250		Output 1 C (96)		87	355	67	INCL	(F25)		OPP	O1	 ↑ 1B
		Output 2 B (89)		81	380	72	INCL	(F25)		OPP	O1	
		Output 1 E (112)		102	300	57	INCL	(F25)		OPP	O1	
		Output 2 C (104)		94	325	62	INCL	(F25)		OPP	O1	
		Output 1 J (132)		120	260	49	INCL	(F25)		OPP	O1	
		Output 2 E (121)		110	280	53	INCL	(F25)		OPP	O1	
		Output 1 O (168)		153	200	38	INCL	(F25)		OPP	O1	
		Output 2 J (152)		139	220	42	INCL	(F25)		OPP	O1	
CONTINUES →												

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

T-11605D/M

T-905D/M

FUL.32

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
6800	Forward (55)		70	150	28	INCL				BOTH	O1	 ↑ 1B
	Reverse (52)		66	150	28	INCL				BOTH	O1	
8000	Forward (40)		55	500	95	INCL				BOTH	O1	 ↑ 1B
	Reverse (50)		65	500	95	INCL				BOTH	O1	
8500	B (57)		50	500	95	INCL				OPP	O1	 ↑ 1B
	C (70)		66	485	92	INCL				OPP	O1	
	E (86)		79	400	76	INCL				OPP	O1	
	J (105)		98	325	62	INCL				OPP	O1	
	O (127)		114	270	51	INCL				OPP	O1	
	R (137)		125	250	47	INCL				OPP	O1	
	S (150)		136	225	43	INCL				OPP	O1	
	T (165)		150	210	40	INCL				OPP	O1	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

- F25:** Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.
- F7:** For vehicles with Spring Hanger interference use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

TO-11605B

TO-905B

FUL.33

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		70	250	47	INCL	(F6,7)		OPP	01	
		C (73)		92	250	47	INCL	(F6,7)		OPP	01	
		E (86)		110	225	43	INCL	(F6,7)		OPP	01	
		J (95)		120	225	43	INCL	(F6,7)		OPP	01	
		O (125)		158	195	37	INCL	(F6,7)		OPP	01	
		R (137)		173	180	34	INCL	(F6,7)		OPP	01	
		S (150)		190	162	31	INCL	(F6,7)		OPP	01	
		T (165)		209	148	28	INCL	(F6,7)		OPP	01	
3200		Z (40)		51	250	47	INCL	(F6,7)		OPP	01	
		A (50)		63	250	47	INCL	(F6,7)		OPP	01	
		B (55)		70	250	47	INCL	(F6,7)		OPP	01	
		C (73)		92	250	47	INCL	(F6,7)		OPP	01	
		E (86)		111	225	43	INCL	(F6,7)		OPP	01	
		J (95)		121	225	43	INCL	(F6,7)		OPP	01	
		O (125)		158	195	37	INCL	(F6,7)		OPP	01	
		R (137)		173	180	34	INCL	(F6,7)		OPP	01	
		S (150)		190	162	31	INCL	(F6,7)		OPP	01	
6000		Forward (73)		92	150	28	INCL	(F7)		BOTH	01	
		Reverse (83)		105	150	28	INCL	(F7)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

TO-11605B

TO-905B

FUL.33

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		54	250	47	INCL	(F11)		OPP	O1	 ↑ 1B
		B (55)		73	250	47	INCL	(F11)		OPP	O1	
		C (73)		97	250	47	INCL	(F11)		OPP	O1	
		E (86)		115	225	43	INCL	(F11)		OPP	O1	
		J (95)		126	225	43	INCL	(F11)		OPP	O1	
		O (125)		165	180	34	INCL	(F11)		OPP	O1	
		R (137)		181	170	32	INCL	(F11)		OPP	O1	
		S (150)		198	155	29	INCL	(F11)		OPP	O1	
		T (165)		218	140	27	INCL	(F11)		OPP	O1	
3800		Z (40)		53	250	47	INCL	(F11) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		66	250	47	INCL	(F11) CLUTCH SHIFT		OPP	O1	
		B (55)		73	250	47	INCL	(F11) CLUTCH SHIFT		OPP	O1	
		C (73)		97	250	47	INCL	(F11) CLUTCH SHIFT		OPP	O1	
		E (86)		116	225	43	INCL	(F11) CLUTCH SHIFT		OPP	O1	
		J (95)		126	225	43	INCL	(F11) CLUTCH SHIFT		OPP	O1	
		O (125)		165	195	37	INCL	(F11) CLUTCH SHIFT		OPP	O1	
		R (137)		181	180	34	INCL	(F11) CLUTCH SHIFT		OPP	O1	
		S (150)		198	162	31	INCL	(F11) CLUTCH SHIFT		OPP	O1	
4100		T (165)		218	148	28	INCL	(F11) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		B (57)		72	420	80	INCL	(F11)		OPP	O1	
		C (70)		89	350	66	INCL	(F11)		OPP	O1	
		E (86)		109	285	54	INCL	(F11)		OPP	O1	
		J (105)		133	235	44	INCL	(F11)		OPP	O1	
4250		Output 1 C (96)		87	355	67	INCL	(F11,25)		OPP	O1	 ↑ 1B
		Output 2 B (89)		81	380	72	INCL	(F11,25)		OPP	O1	
		Output 1 E (112)		102	300	57	INCL	(F11,25)		OPP	O1	
		Output 2 C (104)		94	325	62	INCL	(F11,25)		OPP	O1	
		Output 1 J (132)		120	260	49	INCL	(F11,25)		OPP	O1	
		Output 2 E (121)		110	280	53	INCL	(F11,25)		OPP	O1	
		Output 1 O (168)		153	200	38	INCL	(F11,25)		OPP	O1	
		Output 2 J (152)		139	220	42	INCL	(F11,25)		OPP	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

TO-11605B

TO-905B

FUL.33

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
6800	Forward (55)		70	150	28	INCL	(F11)		BOTH	O1	 ↑ 1B	
	Reverse (52)		66	150	28	INCL	(F11)		BOTH	O1		
8000	Forward (40)		55	500	95	INCL	(F11)		BOTH	O1	 ↑ 1B	
	Reverse (50)		65	500	95	INCL	(F11)		BOTH	O1		
8500	B (57)		50	500	95	INCL	(F11)		OPP	O1	 ↑ 1B	
	C (70)		66	485	92	INCL	(F11)		OPP	O1		
	E (86)		79	400	76	INCL	(F11)		OPP	O1		
	J (105)		98	325	62	INCL	(F11)		OPP	O1		
	O (127)		114	270	51	INCL	(F11)		OPP	O1		
	R (137)		125	250	47	INCL	(F11)		OPP	O1		
	S (150)		136	225	43	INCL	(F11)		OPP	O1		
	T (165)		150	210	40	INCL	(F11)		OPP	O1		

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

F11: Trucks with setback front axles and direct mount pumps will have better clearance with "3" assembly arrangement. This will also provide better clearance of air tanks on International chassis.

F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.

F6: Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.

F7: For vehicles with Spring Hanger interference use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.

Eaton Fuller

FRLO-14410C/C-T2 FRLO-15410C F-LO-15410C-T2 FRLO-16410C/C-T2 FRLO-18410C-T2 **FUL.34**

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1100		B (55)		65	250	47	M1	(F14,31)		OPP	66	
		C (73)		86	250	47	M1	(F14,31)		OPP	66	
		E (86)		102	225	43	M1	(F14,31)		OPP	66	
		J (95)		113	225	43	M1	(F14,31)		OPP	66	
		O (125)		148	195	37	M1	(F14,31)		OPP	66	
		R (137)		162	180	34	M1	(F14,31)		OPP	66	
		S (150)		178	162	31	M1	(F14,31)		OPP	66	
		T (165)		195	148	28	M1	(F14,31)		OPP	66	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

F14: Kenworth and Mack chassis with set back front axle may encounter spring hanger interference. Use adapter AD622-66-01 and change the PTO input gear to "01"

F31: For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT9099999

//////////////////////////////////// For complete part numbers, consult the PTO Series section (page 25) //////////////////////////////////////

Eaton Fuller

FR-11210B
FR-12210B
FR-13210B

FR-14210B
FR-15210B
FR-9210

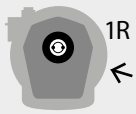
FR-9210B
FRW-15210B
RT-11209H

RT-11210B
RT-12209H
RT-12210B

RT-13209H
RT-13210B
RT-14209H

RT-14210B

FUL.36

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		73	250	47	M1	(F6,28,30,31)		OPP	O1	
		C (73)		97	250	47	M1	(F6,28,30,31)		OPP	O1	
		E (86)		116	225	43	M1	(F6,28,30,31)		OPP	O1	
		J (95)		126	225	43	M1	(F6,28,30,31)		OPP	O1	
		O (125)		166	195	37	M1	(F6,28,30,31)		OPP	O1	
		R (137)		182	180	34	M1	(F6,28,30,31)		OPP	O1	
		S (150)		199	162	31	M1	(F6,28,30,31)		OPP	O1	
		T (165)		219	148	28	M1	(F6,28,30,31)		OPP	O1	
3200		Z (40)		53	250	47	M1	(F6,28) CLUTCH SHIFT		OPP	O1	
		A (50)		66	250	47	M1	(F6,28) CLUTCH SHIFT		OPP	O1	
		B (55)		73	250	47	M1	(F6,28) CLUTCH SHIFT		OPP	O1	
		C (73)		97	250	47	M1	(F6,28) CLUTCH SHIFT		OPP	O1	
		E (86)		116	225	43	M1	(F6,28) CLUTCH SHIFT		OPP	O1	
		J (95)		127	225	43	M1	(F6,28) CLUTCH SHIFT		OPP	O1	
		O (125)		166	195	37	M1	(F6,28) CLUTCH SHIFT		OPP	O1	
		R (137)		182	180	34	M1	(F6,28) CLUTCH SHIFT		OPP	O1	
		S (150)		199	162	31	M1	(F6,28) CLUTCH SHIFT		OPP	O1	
		T (165)		219	148	28	M1	(F6,28) CLUTCH SHIFT		OPP	O1	
6000		Forward (73)		97	150	28	M1	(F28,30,31)		BOTH	O1	
		Reverse (83)		110	150	28	M1	(F28,30,31)		BOTH	O1	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FR-11210B
FR-12210B
FR-13210B

FR-14210B
FR-15210B
FR-9210

FR-9210B
FRW-15210B
RT-11209H

RT-11210B
RT-12209H
RT-12210B

RT-13209H
RT-13210B
RT-14209H

RT-14210B

FUL.36

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		71	250	47	M2	(F28,30,31)		OPP	O1	 ↑ 1B
		B (55)		76	250	47	M2	(F28,30,31)		OPP	O1	
		C (73)		101	250	47	M2	(F28,30,31)		OPP	O1	
		E (86)		121	225	43	M2	(F28,30,31)		OPP	O1	
		J (95)		132	225	43	M2	(F28,30,31)		OPP	O1	
		O (125)		174	180	34	M2	(F28,30,31)		OPP	O1	
		R (137)		190	170	32	M2	(F28,30,31)		OPP	O1	
		S (150)		208	155	29	M2	(F28,30,31)		OPP	O1	
		T (165)		229	140	27	M2	(F28,30,31)		OPP	O1	
3800		Z (40)		56	250	47	M2	CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		69	250	47	M2	CLUTCH SHIFT		OPP	O1	
		B (55)		76	250	47	M2	CLUTCH SHIFT		OPP	O1	
		C (73)		101	250	47	M2	CLUTCH SHIFT		OPP	O1	
		E (86)		122	225	43	M2	CLUTCH SHIFT		OPP	O1	
		J (95)		133	225	43	M2	CLUTCH SHIFT		OPP	O1	
		O (125)		174	195	37	M2	CLUTCH SHIFT		OPP	O1	
		R (137)		190	180	34	M2	CLUTCH SHIFT		OPP	O1	
		S (150)		208	162	31	M2	CLUTCH SHIFT		OPP	O1	
4100		T (165)		229	148	28	M2	CLUTCH SHIFT		OPP	O1	 ↑ 1B
		B (57)		76	420	80	M2	(F28,30)		OPP	O1	
		C (70)		93	350	66	M2	(F28,30)		OPP	O1	
		E (86)		114	285	54	M2	(F28,30)		OPP	O1	
4250		J (105)		139	235	44	M2	(F28,30)		OPP	O1	 ↑ 1B
		Output 1 C (96)		92	355	67	M2	(F25,28,30)		OPP	O1	
		Output 2 B (89)		85	380	72	M2	(F25,28,30)		OPP	O1	
		Output 1 E (112)		107	300	57	M2	(F25,28,30)		OPP	O1	
		Output 2 C (104)		99	325	62	M2	(F25,28,30)		OPP	O1	
		Output 1 J (132)		126	260	49	M2	(F25,28,30)		OPP	O1	
		Output 2 E (121)		115	280	53	M2	(F25,28,30)		OPP	O1	
		Output 1 O (168)		161	200	38	M2	(F25,28,30)		OPP	O1	
		Output 2 J (152)		145	220	42	M2	(F25,28,30)		OPP	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FR-11210B
FR-12210B
FR-13210B

FR-14210B
FR-15210B
FR-9210

FR-9210B
FRW-15210B
RT-11209H

RT-11210B
RT-12209H
RT-12210B

RT-13209H
RT-13210B
RT-14209H

RT-14210B

FUL.36

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
6800	Forward (55)		73		150	28	M2	(F28,30,31)		BOTH	O1	 ↑ 1B
	Reverse (52)		69		150	28	M2	(F28,30,31)		BOTH	O1	
8000	Forward (40)		57		500	95	M2	(F28,30,31)		BOTH	O1	 ↑ 1B
	Reverse (50)		68		500	95	M2	(F28,30,31)		BOTH	O1	
8500	B (57)		53		500	95	M2	(F28,30)		OPP	O1	 ↑ 1B
	C (70)		70		485	92	M2	(F28,30)		OPP	O1	
	E (86)		83		400	76	M2	(F28,30)		OPP	O1	
	J (105)		103		325	62	M2	(F28,30)		OPP	O1	
	O (127)		119		270	51	M2	(F28,30)		OPP	O1	
	R (137)		131		250	47	M2	(F28,30)		OPP	O1	
	S (150)		143		225	43	M2	(F28,30)		OPP	O1	
	T (165)		158		210	40	M2	(F28,30)		OPP	O1	

CAUTION:
Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.
The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above
DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:
F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.
F6: Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
F28: Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions, the torque limit is 350 ft-lbs (475 Nm) Maximum unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number 4301417 when installed moves the torque rating for the PTO driver gear to 500 ft-lbs (678 Nm) of torque Maximum. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above DO NOT exceed 350 ft-lbs of torque for any application.
F30: Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all FR, FRO, FRLO transmissions, the torque limit is 500 ft-lbs (678 Nm). All torque limits listed in the BZ application book are intermediate ratings.
F31: For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT9099999

Eaton Fuller

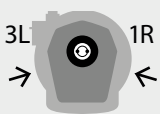
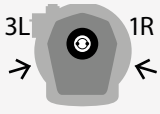
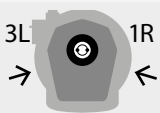
EH-6E606A-CD
EH-8E306A-CD/T/U/
UP/UPG
ESO-9306A

F-5405B-DM3
F-5505B-DM3
F-6405B-DM3
F-8405B-DM3

FO-5506B-DM3
FO-6406B-DM3
FO-6506B-DM3
FO-8406B-DM3

FSBO-6406B
FSBO-8406B
FSO-6406A
FSO-8406A

FUL.37

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		C (73)		98	250	47	S7		GA6032/6500S	OPP	28	
		E (86)		117	225	43	S7		GA6032/6500S	OPP	28	
		J (95)		127	225	43	S7		GA6032/6500S	OPP	28	
		O (125)		168	195	37	S7		GA6032/6500S	OPP	28	
		R (137)		184	180	34	S7		GA6032/6500S	OPP	28	
		S (150)		201	162	31	S7		GA6032/6500S	OPP	28	
		T (165)		221	148	28	S7		GA6032/6500S	OPP	28	
3200		Z (40)		54	250	47	S7		GA6032/6500S	OPP	28	
		A (50)		67	250	47	S7		GA6032/6500S	OPP	28	
		B (55)		74	250	47	S7		GA6032/6500S	OPP	28	
		C (73)		98	250	47	S7		GA6032/6500S	OPP	28	
		E (86)		117	225	43	S7		GA6032/6500S	OPP	28	
		J (95)		128	225	43	S7		GA6032/6500S	OPP	28	
		O (125)		168	195	37	S7		GA6032/6500S	OPP	28	
		R (137)		183	180	34	S7		GA6032/6500S	OPP	28	
		S (150)		201	162	31	S7		GA6032/6500S	OPP	28	
6000		Forward (73)		98	150	28	S7		GA6032/6500S	BOTH	28	
		Reverse (83)		111	150	28	S7		GA6032/6500S	BOTH	28	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

F2: EH8-E306A Transmissions are Hybrid and must Interface with PTO and TCM. Only one opening is usable.

F3: AW3 & DM3 Transmission Codes require PTO connection to TCM per Eaton. Engine Speeds above 1000 RPM are required for PTO operation on code DM3.

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

TO-11607B-ASX

TO-14607B-ASX

TX-14607B

TX-8607B

FUL.38

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		74	250	47	S3	(F20,24)	6187S	OPP	27	
		C (73)		98	250	47	S3	(F20,24)	6187S	OPP	27	
		E (86)		116	225	43	S3	(F20,24)	6187S	OPP	27	
		J (95)		127	225	43	S3	(F20,24)	6187S	OPP	27	
		O (125)		167	195	37	S3	(F20,24)	6187S	OPP	27	
		R (137)		183	180	34	S3	(F20,24)	6187S	OPP	27	
		S (150)		201	162	31	S3	(F20,24)	6187S	OPP	27	
		T (165)		221	148	28	S3	(F20,24)	6187S	OPP	27	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250	47	INCL	(F24)	GA8032	OPP	27	
		B (55)		74	250	47	INCL	(F24)	GA8032	OPP	27	
		C (73)		98	250	47	INCL	(F24)	GA8032	OPP	27	
		E (86)		116	225	43	INCL	(F24)	GA8032	OPP	27	
		J (95)		127	225	43	INCL	(F24)	GA8032	OPP	27	
		O (125)		167	180	34	INCL	(F24)	GA8032	OPP	27	
		R (137)		183	170	32	INCL	(F24)	GA8032	OPP	27	
		S (150)		201	155	29	INCL	(F24)	GA8032	OPP	27	
		T (165)		221	140	27	INCL	(F24)	GA8032	OPP	27	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

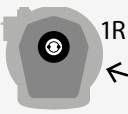
F20: Direct mount pumps will not clear bulge on transmission. Use of adapter will not work.

F24: Interference with outside diameter of transmission's PTO driver gear for Ratios "O" and above.

Eaton Fuller

FM-14D310B-LST FM-14E310B-LAS FM-15D310B-LST FM-15E310B-LAS

FUL.39

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		79	250	47	INCL	(F6,7,8,9)		OPP	01	 1R
		C (73)		104	250	47	INCL	(F6,7,8,9)		OPP	01	
		E (86)		124	225	43	INCL	(F6,7,8,9)		OPP	01	
		J (95)		136	225	43	INCL	(F6,7,8,9)		OPP	01	
		O (125)		178	195	37	INCL	(F6,7,8,9)		OPP	01	
		R (137)		196	180	34	INCL	(F6,7,8,9)		OPP	01	
		S (150)		214	162	31	INCL	(F6,7,8,9)		OPP	01	
		T (165)		236	148	28	INCL	(F6,7,8,9)		OPP	01	
3200		Z (40)		57	250	47	INCL	(F6,7,8,9)		OPP	01	 1R
		A (50)		71	250	47	INCL	(F6,7,8,9)		OPP	01	
		B (55)		79	250	47	INCL	(F6,7,8,9)		OPP	01	
		C (73)		104	250	47	INCL	(F6,7,8,9)		OPP	01	
		E (86)		125	225	43	INCL	(F6,7,8,9)		OPP	01	
		J (95)		137	225	43	INCL	(F6,7,8,9)		OPP	01	
		O (125)		178	195	37	INCL	(F6,7,8,9)		OPP	01	
		R (137)		195	180	34	INCL	(F6,7,8,9)		OPP	01	
		S (150)		214	162	31	INCL	(F6,7,8,9)		OPP	01	
		T (165)		235	148	28	INCL	(F6,7,8,9)		OPP	01	
6000		Forward (73)		104	150	28	INCL	(F8,9)		BOTH		 1R
		Reverse (83)		119	150	28	INCL	(F8,9)		BOTH		

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FM-14D310B-LST FM-14E310B-LAS FM-15D310B-LST, FM-15E310B-LAS

FUL.39

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		71	250	47	INCL	(F8,9,11)		OPP	O1	 ↑ 1B
		B (55)		82	250	47	INCL	(F8,9,11)		OPP	O1	
		C (73)		109	250	47	INCL	(F8,9,11)		OPP	O1	
		E (86)		130	225	43	INCL	(F8,9,11)		OPP	O1	
		J (95)		142	225	43	INCL	(F8,9,11)		OPP	O1	
		O (125)		186	180	34	INCL	(F8,9,11)		OPP	O1	
		R (137)		204	170	32	INCL	(F8,9,11)		OPP	O1	
		S (150)		224	155	29	INCL	(F8,9,11)		OPP	O1	
		T (165)		246	140	27	INCL	(F8,9,11)		OPP	O1	
3800		Z (40)		60	250	47	INCL	(F8,9,11) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		75	250	47	INCL	(F8,9,11) CLUTCH SHIFT		OPP	O1	
		B (55)		82	250	47	INCL	(F8,9,11) CLUTCH SHIFT		OPP	O1	
		C (73)		109	250	47	INCL	(F8,9,11) CLUTCH SHIFT		OPP	O1	
		E (86)		130	225	43	INCL	(F8,9,11) CLUTCH SHIFT		OPP	O1	
		J (95)		143	225	43	INCL	(F8,9,11) CLUTCH SHIFT		OPP	O1	
		O (125)		186	195	37	INCL	(F8,9,11) CLUTCH SHIFT		OPP	O1	
		R (137)		204	180	34	INCL	(F8,9,11) CLUTCH SHIFT		OPP	O1	
		S (150)		224	162	31	INCL	(F8,9,11) CLUTCH SHIFT		OPP	O1	
		T (165)		246	148	28	INCL	(F8,9,11) CLUTCH SHIFT		OPP	O1	
4100		B (57)		81	420	80	INCL	(F8,9,11)		OPP	O1	 ↑ 1B
		C (70)		100	350	66	INCL	(F8,9,11)		OPP	O1	
		E (86)		123	285	54	INCL	(F8,9,11)		OPP	O1	
		J (105)		150	235	44	INCL	(F8,9,11)		OPP	O1	
4250		Output 1 C (96)		99	355	67	INCL	(F8,9,11,25)			O1	 ↑ 1B
		Output 2 B (89)		92	380	72	INCL	(F8,9,11,25)			O1	
		Output 1 E (112)		115	300	57	INCL	(F8,9,11,25)			O1	
		Output 2 C (104)		106	325	62	INCL	(F8,9,11,25)			O1	
		Output 1 J (132)		135	260	49	INCL	(F8,9,11,25)			O1	
		Output 2 E (121)		124	280	53	INCL	(F8,9,11,25)			O1	
		Output 1 O (168)		173	200	38	INCL	(F8,9,11,25)			O1	
		Output 2 J (152)		156	220	42	INCL	(F8,9,11,25)			O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FM-14D310B-LST FM-14E310B-LAS FM-15D310B-LST, FM-15E310B-LAS

FUL.39

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
6800		Forward (55)		78	150	28	INCL	(F8,9,11)		BOTH	O1	 ↑ 1B
		Reverse (52)		74	150	28	INCL	(F8,9,11)		BOTH	O1	
8000		Forward (40)		62	500	95	INCL	(F8,9,11)		BOTH	O1	 ↑ 1B
		Reverse (50)		73	500	95	INCL	(F8,9,11)		BOTH	O1	
8500		B (57)		56	500	95	INCL	(F8,9,11)		OPP	O1	 ↑ 1B
		C (70)		75	485	92	INCL	(F8,9,11)		OPP	O1	
		E (86)		89	400	76	INCL	(F8,9,11)		OPP	O1	
		J (105)		111	325	62	INCL	(F8,9,11)		OPP	O1	
		O (127)		128	270	51	INCL	(F8,9,11)		OPP	O1	
		R (137)		140	250	47	INCL	(F8,9,11)		OPP	O1	
		S (150)		154	225	43	INCL	(F8,9,11)		OPP	O1	
		T (165)		169	210	40	INCL	(F8,9,11)		OPP	O1	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

- F6: Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
- F7: For vehicles with Spring Hanger interference use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.
- F8: PTO must be wired through the transmission controller per Eaton instructions.
- F9: Engine Speed must be advanced to 1000 RPM for PTO operation. PTO will not activate below this speed.
- F11: Trucks with setback front axles and direct mount pumps will have better clearance with "3" assembly arrangement. This will also provide better clearance of air tanks on International chassis.
- F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.

For complete part numbers, consult the PTO Series section (page 25)



Eaton Fuller

FAM-14810B	RT-13710B	RT-9710B	RTF-906	RTLO-15610B/B-T2	FUL.40
FAM-15810B	RT-14609A/H	RTA-14710B-AS	RTF-906A	RTLO-16610B/B-T2	
RT-1110	RT-14610	RTF-11609A	RTF-909A	RTLO-16618A	
RT-11509	RT-14613	RTF-11613	RTF-910	RTLO-17610B/B-T2	
RT-11609A/H	RT-14615	RTF-12509	RTF-915	RTLO-18610B/B-T2	
RT-11610	RT-14709A/H	RTF-12510	RTF-9509A	RTLO-9118A-MT	
RT-11613	RT-14710B/B-AS2	RTF-12515	RTF-9513	RTO-11613	
RT-11615	RT-14715	RTF-12609A	RTL-11710B/B-T2	RTO-11813	
RT-11709H	RT-14910B-AS2	RTF-12709H	RTL-12710B/B-T2	RTO-1213	
RT-11710B	RT-14915	RTF-12710B	RTL-13710B	RTO-12513	
RT-11715	RT-15613	RTF-13609A	RTL-13710B-T2	RTO-14613	
RT-12509	RT-15615	RTF-13709H	RTL-14710B/B-T2	RTO-14713	
RT-12510	RT-15715	RTF-13710B	RTLO-11610B/B-T2	RTO-14813	
RT-12513	RT-8709B	RTF-14609A	RTLO-12610B/B-T2	RTO-15613	
RT-12515	RT-8908LL	RTF-14613	RTLO-12613B	RTO-15618	
RT-12609A/H	RT-906	RTF-14709H	RTLO-13610B/ B-AS/B-T2	RTO-15813	
RT-12610	RT-909A	RTF-14710B	RTLO-14610A/B/ B-T2	RTO-913	
RT-12709A/H	RT-910	RTF-14715	RTLO-14613A/B	RTOF-9513	
RT-12710B/B-AS2	RT-915	RTF-14915	RTLO-14618A	T-955GL	
RT-13609A/H	RT-9509A/C	RTF-15715			
RT-13709H	RT-9513	RTF-8908LL			

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		79	250	47	INCL	(F6,7,28,31)		OPP	01	
		C (73)		105	250	47	INCL	(F6,7,28,31)		OPP	01	
		E (86)		125	225	43	INCL	(F6,7,28,31)		OPP	01	
		J (95)		136	225	43	INCL	(F6,7,28,31)		OPP	01	
		O (125)		179	195	37	INCL	(F6,7,28,31)		OPP	01	
		R (137)		196	180	34	INCL	(F6,7,28,31)		OPP	01	
		S (150)		215	162	31	INCL	(F6,7,28,31)		OPP	01	
		T (165)		236	148	28	INCL	(F6,7,28,31)		OPP	01	
3200		Z (40)		57	250	47	INCL	(F6,7,28)		OPP	01	
		A (50)		72	250	47	INCL	(F6,7,28)		OPP	01	
		B (55)		79	250	47	INCL	(F6,7,28)		OPP	01	
		C (73)		105	250	47	INCL	(F6,7,28)		OPP	01	
		E (86)		125	225	43	INCL	(F6,7,28)		OPP	01	
		J (95)		137	225	43	INCL	(F6,7,28)		OPP	01	
		O (125)		179	195	37	INCL	(F6,7,28)		OPP	01	
		R (137)		196	180	34	INCL	(F6,7,28)		OPP	01	
6000		S (150)		215	162	31	INCL	(F6,7,28)		OPP	01	
		T (165)		236	148	28	INCL	(F6,7,28)		OPP	01	
		Forward (73)		105	150	28	INCL	(F28,31)		BOTH	01	
		Reverse (83)		119	150	28	INCL	(F28,31)		BOTH	01	

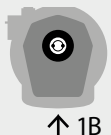
For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RTLOF-14618A

RTLOF-16618A

FUL.40

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		71	250	47	INCL	(F11,28,31)		OPP	O1	 ↑ 1B
		B (55)		82	250	47	INCL	(F11,28,31)		OPP	O1	
		C (73)		109	250	47	INCL	(F11,28,31)		OPP	O1	
		E (86)		130	225	43	INCL	(F11,28,31)		OPP	O1	
		J (95)		142	225	43	INCL	(F11,28,31)		OPP	O1	
		O (125)		187	180	34	INCL	(F11,28,31)		OPP	O1	
		R (137)		205	170	32	INCL	(F11,28,31)		OPP	O1	
		S (150)		224	155	29	INCL	(F11,28,31)		OPP	O1	
		T (165)		247	140	27	INCL	(F11,28,31)		OPP	O1	
3800		Z (40)		60	250	47	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		75	250	47	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		B (55)		82	250	47	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		C (73)		109	250	47	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		E (86)		131	225	43	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		J (95)		143	225	43	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		O (125)		187	195	37	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		R (137)		205	180	34	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		S (150)		224	162	31	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		T (165)		246	148	28	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
4100		B (57)		82	420	80	INCL	(F11,28)		OPP	O1	 ↑ 1B
		C (70)		100	350	66	INCL	(F11,28)		OPP	O1	
		E (86)		123	285	54	INCL	(F11,28)		OPP	O1	
		J (105)		150	235	44	INCL	(F11,28)		OPP	O1	
4250		Output 1 C (96)		99	355	67	INCL	(F11,25,28)		OPP	O1	 ↑ 1B
		Output 2 B (89)		92	380	72	INCL	(F11,25,28)		OPP	O1	
		Output 1 E (112)		116	300	57	INCL	(F11,25,28)		OPP	O1	
		Output 2 C (104)		107	325	62	INCL	(F11,25,28)		OPP	O1	
		Output 1 J (132)		136	260	49	INCL	(F11,25,28)		OPP	O1	
		Output 2 E (121)		124	280	53	INCL	(F11,25,28)		OPP	O1	
		Output 1 O (168)		173	200	38	INCL	(F11,25,28)		OPP	O1	
		Output 2 J (152)		157	220	42	INCL	(F11,25,28)		OPP	O1	
CONTINUES →												

For complete part numbers, consult the PTO Series section (page 25)



Eaton Fuller

RTLOF-14618A RTLOF-16618A

FUL.40

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
6800	Forward (55)		79	150	28	INCL	(F11,28,31)		BOTH	O1	 ↑ 1B	
	Reverse (52)		74	150	28	INCL	(F11,28,31)		BOTH	O1		
8000	Forward (40)		62	500	95	INCL	(F11,28,31)		BOTH	O1	 ↑ 1B	
	Reverse (50)		73	500	95	INCL	(F11,28,31)		BOTH	O1		
8500	B (57)		57	500	95	INCL	(F11,28)		OPP	O1	 ↑ 1B	
	C (70)		75	485	92	INCL	(F11,28)		OPP	O1		
	E (86)		89	400	76	INCL	(F11,28)		OPP	O1		
	J (105)		111	325	62	INCL	(F11,28)		OPP	O1		
	O (127)		129	270	51	INCL	(F11,28)		OPP	O1		
	R (137)		141	250	47	INCL	(F11,28)		OPP	O1		
	S (150)		154	225	43	INCL	(F11,28)		OPP	O1		
	T (165)		170	210	40	INCL	(F11,28)		OPP	O1		

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

- F11:** Trucks with setback front axles and direct mount pumps will have better clearance with "3" assembly arrangement. This will also provide better clearance of air tanks on International chassis.
- F25:** Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.
- F6:** Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
- F7:** For vehicles with Spring Hanger interference, use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.
- F31:** For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT9099999

For complete part numbers, consult the PTO Series section (page 25)



Eaton Fuller

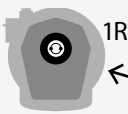
RT-11109A-AT

RT-12109A-AT

RT-14109A-AT

RT-9109A-AT

FUL.41

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		79	250	47	INCL	(F6,17,28)		OPP	01	
		C (73)		105	250	47	INCL	(F6,17,28)		OPP	01	
		E (86)		125	225	43	INCL	(F6,17,28)		OPP	01	
		J (95)		136	225	43	INCL	(F6,17,28)		OPP	01	
		O (125)		179	195	37	INCL	(F6,17,28)		OPP	01	
		R (137)		196	180	34	INCL	(F6,17,28)		OPP	01	
		S (150)		215	162	31	INCL	(F6,17,28)		OPP	01	
		T (165)		236	148	28	INCL	(F6,17,28)		OPP	01	
3200		Z (40)		57	250	47	INCL	(F6,17,28)		OPP	01	
		A (50)		72	250	47	INCL	(F6,17,28)		OPP	01	
		B (55)		79	250	47	INCL	(F6,17,28)		OPP	01	
		C (73)		105	250	47	INCL	(F6,17,28)		OPP	01	
		E (86)		125	225	43	INCL	(F6,17,28)		OPP	01	
		J (95)		137	225	43	INCL	(F6,17,28)		OPP	01	
		O (125)		179	195	37	INCL	(F6,17,28)		OPP	01	
		R (137)		196	180	34	INCL	(F6,17,28)		OPP	01	
		S (150)		215	162	31	INCL	(F6,17,28)		OPP	01	
6000		T (165)		236	148	28	INCL	(F6,17,28)		OPP	01	
		Forward (73)		105	150	28	INCL	(F17,28)		BOTH	01	
		Reverse (83)		119	150	28	INCL	(F17,28)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RT-11109A-AT

RT-12109A-AT

RT-14109A-AT

RT-9109A-AT

FUL.41

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		71	250	47	INCL	(F17,18,28)		OPP	O1	 ↑ 1B
		B (55)		82	250	47	INCL	(F17,18,28)		OPP	O1	
		C (73)		109	250	47	INCL	(F17,18,28)		OPP	O1	
		E (86)		130	225	43	INCL	(F17,18,28)		OPP	O1	
		J (95)		142	225	43	INCL	(F17,18,28)		OPP	O1	
		O (125)		187	180	34	INCL	(F17,18,28)		OPP	O1	
		R (137)		205	170	32	INCL	(F17,18,28)		OPP	O1	
		S (150)		224	155	29	INCL	(F17,18,28)		OPP	O1	
		T (165)		247	140	27	INCL	(F17,18,28)		OPP	O1	
3800		Z (40)		60	250	47	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		75	250	47	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
		B (55)		82	250	47	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
		C (73)		109	250	47	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
		E (86)		131	225	43	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
		J (95)		143	225	43	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
		O (125)		187	195	37	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
		R (137)		205	180	34	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
		S (150)		224	162	31	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
		T (165)		246	148	28	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
4100		B (57)		82	420	80	INCL	(F17,18,28)		OPP	O1	 ↑ 1B
		C (70)		100	350	66	INCL	(F17,18,28)		OPP	O1	
		E (86)		123	285	54	INCL	(F17,18,28)		OPP	O1	
		J (105)		150	235	44	INCL	(F17,18,28)		OPP	O1	
4250		Output 1 C (96)		99	355	67	INCL	(F17,18,25,28)		OPP	O1	 ↑ 1B
		Output 2 B (89)		92	380	72	INCL	(F17,18,25,28)		OPP	O1	
		Output 1 E (112)		116	300	57	INCL	(F17,18,25,28)		OPP	O1	
		Output 2 C (104)		107	325	62	INCL	(F17,18,25,28)		OPP	O1	
		Output 1 J (132)		136	260	49	INCL	(F17,18,25,28)		OPP	O1	
		Output 2 E (121)		124	280	53	INCL	(F17,18,25,28)		OPP	O1	
		Output 1 O (168)		173	200	38	INCL	(F17,18,25,28)		OPP	O1	
		Output 2 J (152)		157	220	42	INCL	(F17,18,25,28)		OPP	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RT-11109A-AT

RT-12109A-AT

RT-14109A-AT

RT-9109A-AT

FUL.41

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
6800	Forward (55)		79	150	28	INCL	(F17,18,28)			BOTH	O1	 ↑ 1B
	Reverse (52)		74	150	28	INCL	(F17,18,28)			BOTH	O1	
8000	Forward (40)		62	500	95	INCL	(F17,18,28)			BOTH	O1	 ↑ 1B
	Reverse (50)		73	500	95	INCL	(F17,18,28)			BOTH	O1	
8500	B (57)		57	500	95	INCL	(F17,18,28)			OPP	O1	 ↑ 1B
	C (70)		75	485	92	INCL	(F17,18,28)			OPP	O1	
	E (86)		89	400	76	INCL	(F17,18,28)			OPP	O1	
	J (105)		111	325	62	INCL	(F17,18,28)			OPP	O1	
	O (127)		129	270	51	INCL	(F17,18,28)			OPP	O1	
	R (137)		141	250	47	INCL	(F17,18,28)			OPP	O1	
	S (150)		154	225	43	INCL	(F17,18,28)			OPP	O1	
	T (165)		170	210	40	INCL	(F17,18,28)			OPP	O1	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

F17: Speeds shown are with transmission torque converter in lock up condition.

F18: This opening is not usable if transmission is equipped with optional low profile oil pan.

F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.

F6: Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.

F28: Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions, the torque limit is 350 ft-lbs (475 Nm) Maximum unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number 4301417 when installed moves the torque rating for the PTO driver gear to 500 ft-lbs (678 Nm) of torque Maximum. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above DO NOT exceed 350 ft-lbs of torque for any application.

For complete part numbers, consult the PTO Series section (page 25)



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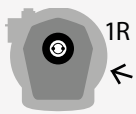
Eaton Fuller

RT-6609A

RT-7608LL

RT-8609

FUL.42

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		59	250	47	INCL	(F21,28)		OPP	01	
		C (73)		79	250	47	INCL	(F21,28)		OPP	01	
		E (86)		94	225	43	INCL	(F21,28)		OPP	01	
		J (95)		103	225	43	INCL	(F21,28)		OPP	01	
		O (125)		135	195	37	INCL	(F21,28)		OPP	01	
		R (137)		148	180	34	INCL	(F21,28)		OPP	01	
		S (150)		162	162	31	INCL	(F21,28)		OPP	01	
		T (165)		178	148	28	INCL	(F21,28)		OPP	01	
3200		Z (40)		43	250	47	INCL	(F21,28)		OPP	01	
		A (50)		54	250	47	INCL	(F21,28)		OPP	01	
		B (55)		59	250	47	INCL	(F21,28)		OPP	01	
		C (73)		79	250	47	INCL	(F21,28)		OPP	01	
		E (86)		95	225	43	INCL	(F21,28)		OPP	01	
		J (95)		103	225	43	INCL	(F21,28)		OPP	01	
		O (125)		135	195	37	INCL	(F21,28)		OPP	01	
		R (137)		148	180	34	INCL	(F21,28)		OPP	01	
		S (150)		162	162	31	INCL	(F21,28)		OPP	01	
6000		Forward (73)		79	150	28	INCL	(F21,28)		BOTH	01	
		Reverse (83)		90	150	28	INCL	(F21,28)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RT-6609A

RT-7608LL

RT-8609

FUL.42

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		51	250	47	INCL	(F21,28)		OPP	O1	 ↑ 1B
		B (55)		59	250	47	INCL	(F21,28)		OPP	O1	
		C (73)		79	250	47	INCL	(F21,28)		OPP	O1	
		E (86)		94	225	43	INCL	(F21,28)		OPP	O1	
		J (95)		103	225	43	INCL	(F21,28)		OPP	O1	
		O (125)		135	180	34	INCL	(F21,28)		OPP	O1	
		R (137)		148	170	32	INCL	(F21,28)		OPP	O1	
		S (150)		162	155	29	INCL	(F21,28)		OPP	O1	
		T (165)		178	140	27	INCL	(F21,28)		OPP	O1	
3800		Z (40)		43	250	47	INCL	(F21,28) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		54	250	47	INCL	(F21,28) CLUTCH SHIFT		OPP	O1	
		B (55)		59	250	47	INCL	(F21,28) CLUTCH SHIFT		OPP	O1	
		C (73)		79	250	47	INCL	(F21,28) CLUTCH SHIFT		OPP	O1	
		E (86)		95	225	43	INCL	(F21,28) CLUTCH SHIFT		OPP	O1	
		J (95)		103	225	43	INCL	(F21,28) CLUTCH SHIFT		OPP	O1	
		O (125)		135	195	37	INCL	(F21,28) CLUTCH SHIFT		OPP	O1	
		R (137)		148	180	34	INCL	(F21,28) CLUTCH SHIFT		OPP	O1	
		S (150)		162	162	31	INCL	(F21,28) CLUTCH SHIFT		OPP	O1	
4100		T (165)		178	148	28	INCL	(F21,28) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		B (57)		59	420	80	INCL	(F21,28)		OPP	O1	
		C (70)		72	350	66	INCL	(F21,28)		OPP	O1	
		E (86)		89	285	54	INCL	(F21,28)		OPP	O1	
4250		J (105)		108	235	44	INCL	(F21,28)		OPP	O1	 ↑ 1B
		Output 1 C (96)		71	355	67	INCL	(F21,25,28)		OPP	O1	
		Output 2 B (89)		66	380	72	INCL	(F21,25,28)		OPP	O1	
		Output 1 E (112)		84	300	57	INCL	(F21,25,28)		OPP	O1	
		Output 2 C (104)		77	325	62	INCL	(F21,25,28)		OPP	O1	
		Output 1 J (132)		98	260	49	INCL	(F21,25,28)		OPP	O1	
		Output 2 E (121)		90	280	53	INCL	(F21,25,28)		OPP	O1	
		Output 1 O (168)		125	200	38	INCL	(F21,25,28)		OPP	O1	
		Output 2 J (152)		113	220	42	INCL	(F21,25,28)		OPP	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)



Eaton Fuller

RT-6609A

RT-7608LL

RT-8609

FUL.42

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
6800	Forward (55)		57	150	28	INCL	(F21,28)		BOTH	O1	 ↑ 1B	
	Reverse (52)		54	150	28	INCL	(F21,28)		BOTH	O1		
8000	Forward (40)		45	500	95	INCL	(F21,28)		BOTH	O1	 ↑ 1B	
	Reverse (50)		53	500	95	INCL	(F21,28)		BOTH	O1		
8500	B (57)		41	500	95	INCL	(F21,28)		OPP	O1	 ↑ 1B	
	C (70)		54	485	92	INCL	(F21,28)		OPP	O1		
	E (86)		65	400	76	INCL	(F21,28)		OPP	O1		
	J (105)		80	325	62	INCL	(F21,28)		OPP	O1		
	O (127)		93	270	51	INCL	(F21,28)		OPP	O1		
	R (137)		102	250	47	INCL	(F21,28)		OPP	O1		
	S (150)		111	225	43	INCL	(F21,28)		OPP	O1		
	T (165)		123	210	40	INCL	(F21,28)		OPP	O1		

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above **DO NOT** exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

- F21: The maximum allowable output torque for PTO operation on this transmission is 300 lb/ft per EATON.
- F22: RT-7608LL: Adapter required for PTO clearance. Direct mount pumps interfere with transmission case.
- F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.
- F28: Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions, the torque limit is 350 ft-lbs (475 Nm) Maximum unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number 4301417 when installed moves the torque rating for the PTO driver gear to 500 ft-lbs (678 Nm) of torque Maximum. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above DO NOT exceed 350 ft-lbs of torque for any application.

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RT-610

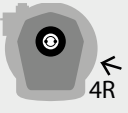
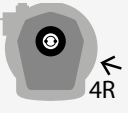
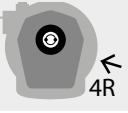
RT-613

RT-6610

RT-6613

RT-7609

FUL.43

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		59	250	47	INCL	(F19,20,21,28)		OPP	01	
		C (73)		79	250	47	INCL	(F19,20,21,28)		OPP	01	
		E (86)		94	225	43	INCL	(F19,20,21,28)		OPP	01	
		J (95)		103	225	43	INCL	(F19,20,21,28)		OPP	01	
		O (125)		135	195	37	INCL	(F19,20,21,28)		OPP	01	
		R (137)		148	180	34	INCL	(F19,20,21,28)		OPP	01	
		S (150)		162	162	31	INCL	(F19,20,21,28)		OPP	01	
		T (165)		178	148	28	INCL	(F19,20,21,28)		OPP	01	
3200		Z (40)		43	250	47	INCL	(F19,20,21,28) CLUTCH SHIFT		OPP	1	
		A (50)		54	250	47	INCL	(F19,20,21,28) CLUTCH SHIFT		OPP	1	
		B (55)		59	250	47	INCL	(F19,20,21,28) CLUTCH SHIFT		OPP	1	
		C (73)		79	250	47	INCL	(F19,20,21,28) CLUTCH SHIFT		OPP	1	
		E (86)		95	225	43	INCL	(F19,20,21,28) CLUTCH SHIFT		OPP	1	
		J (95)		103	225	43	INCL	(F19,20,21,28) CLUTCH SHIFT		OPP	1	
		O (125)		135	195	37	INCL	(F19,20,21,28) CLUTCH SHIFT		OPP	1	
		R (137)		148	180	34	INCL	(F19,20,21,28) CLUTCH SHIFT		OPP	1	
		S (150)		162	162	31	INCL	(F19,20,21,28) CLUTCH SHIFT		OPP	1	
		T (165)		178	148	28	INCL	(F19,20,21,28) CLUTCH SHIFT		OPP	1	
6000		Forward (73)		79	150	28	INCL	(F21,28)		BOTH	01	
		Reverse (83)		90	150	28	INCL	(F21,28)		BOTH	01	

FOOT NOTES:

F19: Must use "Shaft-High" assembly arrangement to clear bulge on transmission.

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		51	250	47	INCL	(F21,28)		OPP	01	 ↑ 2B
		B (55)		59	250	47	INCL	(F21,28)		OPP	01	
		C (73)		79	250	47	INCL	(F21,28)		OPP	01	
		E (86)		94	225	43	INCL	(F21,28)		OPP	01	
		J (95)		103	225	43	INCL	(F21,28)		OPP	01	
		O (125)		135	180	34	INCL	(F21,28)		OPP	01	
		R (137)		148	170	32	INCL	(F21,28)		OPP	01	
		S (150)		162	155	29	INCL	(F21,28)		OPP	01	
		T (165)		178	140	27	INCL	(F21,28)		OPP	01	
CONTINUES →												

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FUL.43

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
8500		B (57)		41	500	95	INCL	(F28)		OPP	01	 ↑ 2B
		C (70)		54	485	92	INCL	(F28)		OPP	01	
		E (86)		65	400	76	INCL	(F28)		OPP	01	
		J (105)		80	325	62	INCL	(F28)		OPP	01	
		O (127)		93	270	51	INCL	(F28)		OPP	01	
		R (137)		102	250	47	INCL	(F28)		OPP	01	
		S (150)		112	225	43	INCL	(F28)		OPP	01	
		T (165)		123	210	40	INCL	(F28)		OPP	01	

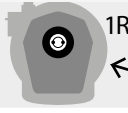
FO-10E310C-VAS
FO-12E310C-VAS
FO-14E309ALL-VMS
FO-14E310C-LAS/VAS
FO-14E313A-MHP
FO-14E318B-MXP/VXP

FO-16E309ALL-VMS
FO-16E310C-LAS/VAS
FO-16E313A-MHP
FO-16E313B-MHP
FO-16E318B-MXP/VXP
FO-18E310C-LAS

FO-18E313A-MHP
FO-18E318B-MXP/VXP
FO-20E313A-MHP
FO-20E318B-MXP/VXP
FO-22E318B-MXP/VXP
FO-6E318B-MXP

FOM-14E310C-LAS/VAS
FOM-15E310C-LAS/VAS
FOM-16E310C-LAS/VAS
RTLO-16913L-DM3
RTL0M-16913L-DM3

FUL.44

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		89	250	47	INCL	(F6,7,26,9,28,31)		OPP	01	 1R ←
		C (73)		118	250	47	INCL	(F6,7,26,9,28,31)		OPP	01	
		E (86)		141	225	43	INCL	(F6,7,26,9,28,31)		OPP	01	
		J (95)		154	225	43	INCL	(F6,7,26,9,28,31)		OPP	01	
		O (125)		202	195	37	INCL	(F6,7,26,9,28,31)		OPP	01	
		R (137)		221	180	34	INCL	(F6,7,26,9,28,31)		OPP	01	
		S (150)		242	162	31	INCL	(F6,7,26,9,28,31)		OPP	01	
		T (165)		267	148	28	INCL	(F6,7,26,9,28,31)		OPP	01	
3200		Z (40)		65	250	47	INCL	(F6,7,26,9,28)		OPP	01	 1R ←
		A (50)		81	250	47	INCL	(F6,7,26,9,28)		OPP	01	
		B (55)		89	250	47	INCL	(F6,7,26,9,28)		OPP	01	
		C (73)		118	250	47	INCL	(F6,7,26,9,28)		OPP	01	
		E (86)		141	225	43	INCL	(F6,7,26,9,28)		OPP	01	
		J (95)		155	225	43	INCL	(F6,7,26,9,28)		OPP	01	
		O (125)		202	195	37	INCL	(F6,7,26,9,28)		OPP	01	
		R (137)		221	180	34	INCL	(F6,7,26,9,28)		OPP	01	
		S (150)		242	162	31	INCL	(F6,7,26,9,28)		OPP	01	
		T (165)		266	148	28	INCL	(F6,7,26,9,28)		OPP	01	
6000		FWD(73)		118	150	28	INCL	(F26,9,28,31)		BOTH	01	 1R ←
		REV(83)		134	150	28	INCL	(F26,9,28,31)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		81	250	47	INCL	(F11,23,28,30,31)		OPP	O1	 ↑ 1B
		B (55)		93	250	47	INCL	(F11,23,28,30,31)		OPP	O1	
		C (73)		123	250	47	INCL	(F11,23,28,30,31)		OPP	O1	
		E (86)		147	225	43	INCL	(F11,23,28,30,31)		OPP	O1	
		J (95)		160	225	43	INCL	(F11,23,28,30,31)		OPP	O1	
		O (125)		211	180	34	INCL	(F11,23,28,30,31)		OPP	O1	
		R (137)		231	170	32	INCL	(F11,23,28,30,31)		OPP	O1	
		S (150)		253	155	29	INCL	(F11,23,28,30,31)		OPP	O1	
		T (165)		278	140	27	INCL	(F11,23,28,30,31)		OPP	O1	
3800		Z (40)		68	250	47	INCL	(F11,23,28,30)CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		84	250	47	INCL	(F11,23,28,30)CLUTCH SHIFT		OPP	O1	
		B (55)		93	250	47	INCL	(F11,23,28,30)CLUTCH SHIFT		OPP	O1	
		C (73)		123	250	47	INCL	(F11,23,28,30)CLUTCH SHIFT		OPP	O1	
		E (86)		148	225	43	INCL	(F11,23,28,30)CLUTCH SHIFT		OPP	O1	
		J (95)		161	225	43	INCL	(F11,23,28,30)CLUTCH SHIFT		OPP	O1	
		O (125)		211	195	37	INCL	(F11,23,28,30)CLUTCH SHIFT		OPP	O1	
		R (137)		231	180	34	INCL	(F11,23,28,30)CLUTCH SHIFT		OPP	O1	
		S (150)		253	162	31	INCL	(F11,23,28,30)CLUTCH SHIFT		OPP	O1	
4100		T (165)		278	148	28	INCL	(F11,23,28,30)CLUTCH SHIFT		OPP	O1	 ↑ 1B
		B (57)		92	420	80	INCL	(F11,12,28,30)		OPP	O1	
		C (70)		113	350	66	INCL	(F11,12,28,30)		OPP	O1	
		E (86)		139	285	54	INCL	(F11,12,28,30)		OPP	O1	
		J (105)		170	235	44	INCL	(F11,12,28,30)		OPP	O1	
4250		Output 1 C (96)		112	355	67	INCL	(F11,25,28,30)		OPP	O1	 ↑ 1B
		Output 2 B (89)		104	380	72	INCL	(F11,25,28,30)		OPP	O1	
		Output 1 E (112)		131	300	57	INCL	(F11,25,28,30)		OPP	O1	
		Output 2 C (104)		120	325	62	INCL	(F11,25,28,30)		OPP	O1	
		Output 1 J (132)		153	260	49	INCL	(F11,25,28,30)		OPP	O1	
		Output 2 E (121)		140	280	53	INCL	(F11,25,28,30)		OPP	O1	
		Output 1 O (168)		195	200	38	INCL	(F11,25,28,30)		OPP	O1	
		Output 2 J (152)		177	220	42	INCL	(F11,25,28,30)		OPP	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

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FUL.44

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
6800	Forward (55)		89	150	28	INCL	(F11,28,30,31)			BOTH	O1	
	Reverse (52)		84	150	28	INCL	(F11,28,30,31)			BOTH	O1	
8000	Forward (40)		70	500	95	INCL	(F11,28,30,31)			BOTH	O1	
	Reverse (50)		83	500	95	INCL	(F11,28,30,31)			BOTH	O1	
8500	B (57)		64	500	95	INCL	(F11,23,28,30)			OPP	O1	
	C (70)		85	485	92	INCL	(F11,23,28,30)			OPP	O1	
	E (86)		101	400	76	INCL	(F11,23,28,30)			OPP	O1	
	J (105)		125	325	62	INCL	(F11,23,28,30)			OPP	O1	
	O (127)		145	270	51	INCL	(F11,23,28,30)			OPP	O1	
	R (137)			250	47	INCL	(F11,23,28,30)			OPP	O1	
	S (150)			225	43	INCL	(F11,23,28,30)			OPP	O1	
	T (165)			210	40	INCL	(F11,23,28,30)			OPP	O1	

CAUTION:

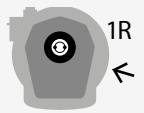
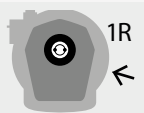
Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above **DO NOT** exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

- F11:** Trucks with setback front axles and direct mount pumps will have better clearance with "3" assembly arrangement. This will also provide better clearance of air tanks on International chassis.
- F12:** Possible internal transmission gear interference with 4000 Series "J" & "O" ratios and 4250 ratio O-J. Check Before installing PTO.
- F25:** Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.
- F23:** Interference with adjacent gear in transmission for Ratios "O" and above on Right Side & Ratios "R" and above on Bottom.
- F26:** PTO must be wired through the transmission controller per Eaton instructions. See Eaton bulletin TRIG-2600 for interface with transmission.
- F9:** Engine Speed must be advanced to 1000 RPM for PTO operation. PTO will not activate below this speed.
- F6:** Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
- F7:** For vehicles with Spring Hanger interference, use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.
- F28:** Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions, the torque limit is 350 ft-lbs (475 Nm) Maximum unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number 4301417 when installed moves the torque rating for the PTO driver gear to 500 ft-lbs (678 Nm) of torque Maximum. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above DO NOT exceed 350 ft-lbs of torque for any application.
- F30:** Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all FR, FRO, FRLO transmissions, the torque limit is 500 ft-lbs (678 Nm). All torque limits listed in the BZ application book are intermediate ratings.
- F31:** For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT9099999

For complete part numbers, consult the PTO Series section (page 25)

RTAO-10710C-AC/AS	RTLO-18913A/A-T2	RTO-11710C	RTOC-16913A
RTAO-12710C-AC/AS	RTLO-18918A-AS2/-AS3	RTO-11909ALL/MLL	RTOC-18909A
RTAO-14710C-AC/AS	RTLO-18918B/B-AS/B-T2	RTO-12609B/H	RTOCM-16909A
RTAO-16710C-AC/AS	RTLO-20718B/B-T2	RTO-12709H	RTOF-9509B
RTLC-16609A/E	RTLO-20913A/A-AS2	RTO-12710C	RTOO-11613
RTLC-16613A/E	RTLO-20918A-AS3	RTO-13609B/H	RTOO-14613
RTLO-12713A	RTLO-20918B/B-AS/B-T2	RTO-13709H	RTOO-9513
RTLO-12913A	RTLO-22918A/A-AS2/ A-AS3	RTO-13710C	RTX-11609B
RTLO-13118AMT	RTLO-22918B/B-AS	RTO-14609B/H	RTX-11709H
RTLO-14713A/A-T2	RTLOC-16909A/A-T2	RTO-14610C	RTX-11710C
RTLO-14718B/B-T2	RTLOC-18909A/A-T2	RTO-14709H/MLL	RTX-12609B
RTLO-14913A/A-T2	RTLOF-14718B	RTO-14710C/C-AS2	RTX-12709H
RTLO-14918A-AS2/S3	RTLOF-14918B	RTO-14909ALL/MLL	RTX-12710C
RTLO-14918B/B-AS/ B-AS3/B-T2	RTLOF-16718B	RTO-14910C/C-AS2/ C-AS3	RTX-13609B
RTLO-16713A/A-MT/ A-T2	RTLOF-16918B	RTO-15710C	RTX-13709H
RTLO-16718B/B-T2	RTLOF-18718B,	RTO-16709B/H	RTX-13710C
RTLO-16913-LHS-D	RTLOF-18918B	RTO-16710C&C-AS2	RTX-14609B
RTLO-16913-T2/A/A- T2/L-LHP	RTLOF-20918B	RTO-16909ALL	RTX-14709H
RTLO-16918A-AS2/-AS3	RTLOF-22918B	RTO-16910C-AS2/C-AS3	RTX-14710C
RTLO-16918B/B-AS/B-T2	RTLOFC-16909A/A-T2	RTO-909B	RTX-15710C
RTLO-18718B/B-T2	RTLOM-16913L-LH	RTO-9509B	RTX-16709B/H
	RTO-11609B/H	RTOC-16709A	RTX-16710C
	RTO-11709B/H/MLL	RTOC-16909A	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		89	250	47	INCL	(F6,7,23,28,31)		OPP	01	
		C (73)		118	250	47	INCL	(F6,7,23,28,31)		OPP	01	
		E (86)		141	225	43	INCL	(F6,7,23,28,31)		OPP	01	
		J (95)		154	225	43	INCL	(F6,7,23,28,31)		OPP	01	
		O (125)		202	195	37	INCL	(F6,7,23,28,31)		OPP	01	
		R (137)		221	180	34	INCL	(F6,7,23,28,31)		OPP	01	
		S (150)		242	162	31	INCL	(F6,7,23,28,31)		OPP	01	
		T (165)		267	148	28	INCL	(F6,7,23,28,31)		OPP	01	
3200		Z (40)		65	250	47	INCL	(F6,7,23,28)		OPP	01	
		A (50)		81	250	47	INCL	(F6,7,23,28)		OPP	01	
		B (55)		89	250	47	INCL	(F6,7,23,28)		OPP	01	
		C (73)		118	250	47	INCL	(F6,7,23,28)		OPP	01	
		E (86)		141	225	43	INCL	(F6,7,23,28)		OPP	01	
		J (95)		155	225	43	INCL	(F6,7,23,28)		OPP	01	
		O (125)		202	195	37	INCL	(F6,7,23,28)		OPP	01	
		R (137)		221	180	34	INCL	(F6,7,23,28)		OPP	01	
		S (150)		242	162	31	INCL	(F6,7,23,28)		OPP	01	
6000		T (165)		266	148	28	INCL	(F6,7,23,28)		OPP	01	
		Forward (73)		118	150	28	INCL	(F7,28,31)		BOTH	01	
		Reverse (83)		134	150	28	INCL	(F7,28,31)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

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	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		81	250	47	INCL	(F11,23,28,31)		OPP	O1	 ↑ 1B
		B (55)		93	250	47	INCL	(F11,23,28,31)		OPP	O1	
		C (73)		123	250	47	INCL	(F11,23,28,31)		OPP	O1	
		E (86)		147	225	43	INCL	(F11,23,28,31)		OPP	O1	
		J (95)		160	225	43	INCL	(F11,23,28,31)		OPP	O1	
		O (125)		211	180	34	INCL	(F11,23,28,31)		OPP	O1	
		R (137)		231	170	32	INCL	(F11,23,28,31)		OPP	O1	
		S (150)		253	155	29	INCL	(F11,23,28,31)		OPP	O1	
		T (165)		278	140	27	INCL	(F11,23,28,31)		OPP	O1	
3800		Z (40)		68	250	47	INCL	(F11,23,28) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		84	250	47	INCL	(F11,23,28) CLUTCH SHIFT		OPP	O1	
		B (55)		93	250	47	INCL	(F11,23,28) CLUTCH SHIFT		OPP	O1	
		C (73)		123	250	47	INCL	(F11,23,28) CLUTCH SHIFT		OPP	O1	
		E (86)		148	225	43	INCL	(F11,23,28) CLUTCH SHIFT		OPP	O1	
		J (95)		161	225	43	INCL	(F11,23,28) CLUTCH SHIFT		OPP	O1	
		O (125)		211	195	37	INCL	(F11,23,28) CLUTCH SHIFT		OPP	O1	
		R (137)		231	180	34	INCL	(F11,23,28) CLUTCH SHIFT		OPP	O1	
		S (150)		253	162	31	INCL	(F11,23,28) CLUTCH SHIFT		OPP	O1	
		T (165)		278	148	28	INCL	(F11,23,28) CLUTCH SHIFT		OPP	O1	
4100		B (57)		92	420	80	INCL	(F11,12,28)		OPP	O1	 ↑ 1B
		C (70)		113	350	66	INCL	(F11,12,28)		OPP	O1	
		E (86)		139	285	54	INCL	(F11,12,28)		OPP	O1	
		J (105)		170	235	44	INCL	(F11,12,28)		OPP	O1	
4250		Output 1 C (96)		112	355	67	INCL	(F11,12,25,28)		OPP	O1	 ↑ 1B
		Output 2 B (89)		104	380	72	INCL	(F11,12,25,28)		OPP	O1	
		Output 1 E (112)		131	300	57	INCL	(F11,12,25,28)		OPP	O1	
		Output 2 C (104)		120	325	62	INCL	(F11,12,25,28)		OPP	O1	
		Output 1 J (132)		153	260	49	INCL	(F11,12,25,28)		OPP	O1	
		Output 2 E (121)		140	280	53	INCL	(F11,12,25,28)		OPP	O1	
		Output 1 O (168)		195	200	38	INCL	(F11,12,25,28)		OPP	O1	
		Output 2 J (152)		177	220	42	INCL	(F11,12,25,28)		OPP	O1	
CONTINUES ➔												

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
6800	Forward (55)			89	150	28	INCL	(F11,28,31)		BOTH	O1	 ↑ 1B
	Reverse (52)			84	150	28	INCL	(F11,28,31)		BOTH	O1	
8000	Forward (40)			70	500	95	INCL	(F11,28,31)		BOTH	O1	 ↑ 1B
	Reverse (50)			83	500	95	INCL	(F11,28,31)		BOTH	O1	
8500	B (57)			64	500	95	INCL	(F11,23,28)		OPP	O1	 ↑ 1B
	C (70)			85	485	92	INCL	(F11,23,28)		OPP	O1	
	E (86)			101	400	76	INCL	(F11,23,28)		OPP	O1	
	J (105)			125	325	62	INCL	(F11,23,28)		OPP	O1	
	O (127)			145	270	51	INCL	(F11,23,28)		OPP	O1	
	R (137)				250	47	INCL	(F11,23,28)		OPP	O1	
	S (150)				225	43	INCL	(F11,23,28)		OPP	O1	
	T (165)				210	40	INCL	(F11,23,28)		OPP	O1	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above **DO NOT exceed 350 ft-lbs of torque for any application.**

FOOT NOTES:

- F11:** Trucks with setback front axles and direct mount pumps will have better clearance with "3" assembly arrangement. This will also provide better clearance of air tanks on International chassis.
- F12:** Possible internal transmission gear interference with 4000 Series "J" & "O" ratios and 4250 ratio O-J. Check Before installing PTO.
- F17:** Speeds shown are with transmission torque converter in lock up condition.
- F18:** This opening is not usable if transmission is equipped with optional low profile oil pan.
- F25:** Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.
- F23:** Interference with adjacent gear in transmission for Ratios "O" and above on Right Side & Ratios "R" and above on Bottom.
- F6:** Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
- F7:** For vehicles with Spring Hanger interference, use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.
- F28:** Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions, the torque limit is 350 ft-lbs (475 Nm) Maximum unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number 4301417 when installed moves the torque rating for the PTO driver gear to 500 ft-lbs (678 Nm) of torque Maximum. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above DO NOT exceed 350 ft-lbs of torque for any application.
- F31:** For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT9099999

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FAO-11810C
FAO-12810C

FAO-13810C
FAO-14810C

FAO-15810C
FAO-16810C

FAOM-14810C
FAOM-15810C

FUL.46

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		89	250	47	INCL	(F6,7,23)		OPP	01	
		C (73)		118	250	47	INCL	(F6,7,23)		OPP	01	
		E (86)		141	225	43	INCL	(F6,7,23)		OPP	01	
		J (95)		154	225	43	INCL	(F6,7,23)		OPP	01	
		O (125)		202	195	37	INCL	(F6,7,23)		OPP	01	
		R (137)		221	180	34	INCL	(F6,7,23)		OPP	01	
		S (150)		242	162	31	INCL	(F6,7,23)		OPP	01	
		T (165)		267	148	28	INCL	(F6,7,23)		OPP	01	
3200		Z (40)		65	250	47	INCL	(F6,7,23)		OPP	01	
		A (50)		81	250	47	INCL	(F6,7,23)		OPP	01	
		B (55)		89	250	47	INCL	(F6,7,23)		OPP	01	
		C (73)		118	250	47	INCL	(F6,7,23)		OPP	01	
		E (86)		141	225	43	INCL	(F6,7,23)		OPP	01	
		J (95)		155	225	43	INCL	(F6,7,23)		OPP	01	
		O (125)		202	195	37	INCL	(F6,7,23)		OPP	01	
		R (137)		221	180	34	INCL	(F6,7,23)		OPP	01	
		S (150)		242	162	31	INCL	(F6,7,23)		OPP	01	
		T (165)		266	148	28	INCL	(F6,7,23)		OPP	01	
6000		Forward (73)		118	150	28	INCL	(F7)		BOTH	01	
		Reverse (83)		134	150	28	INCL	(F7)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FAO-11810C
FAO-12810C

FAO-13810C
FAO-14810C

FAO-15810C
FAO-16810C

FAOM-14810C
FAOM-15810C

FUL.46

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		81	250	47	INCL	(F11,23)		OPP	O1	 ↑ 1B
		B (55)		93	250	47	INCL	(F11,23)		OPP	O1	
		C (73)		123	250	47	INCL	(F11,23)		OPP	O1	
		E (86)		147	225	43	INCL	(F11,23)		OPP	O1	
		J (95)		160	225	43	INCL	(F11,23)		OPP	O1	
		O (125)		211	180	34	INCL	(F11,23)		OPP	O1	
		R (137)		231	170	32	INCL	(F11,23)		OPP	O1	
		S (150)		253	155	29	INCL	(F11,23)		OPP	O1	
		T (165)		278	140	27	INCL	(F11,23)		OPP	O1	
3800		Z (40)		68	250	47	INCL	(F11,23) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		84	250	47	INCL	(F11,23) CLUTCH SHIFT		OPP	O1	
		B (55)		93	250	47	INCL	(F11,23) CLUTCH SHIFT		OPP	O1	
		C (73)		123	250	47	INCL	(F11,23) CLUTCH SHIFT		OPP	O1	
		E (86)		148	225	43	INCL	(F11,23) CLUTCH SHIFT		OPP	O1	
		J (95)		161	225	43	INCL	(F11,23) CLUTCH SHIFT		OPP	O1	
		O (125)		211	195	37	INCL	(F11,23) CLUTCH SHIFT		OPP	O1	
		R (137)		231	180	34	INCL	(F11,23) CLUTCH SHIFT		OPP	O1	
		S (150)		253	162	31	INCL	(F11,23) CLUTCH SHIFT		OPP	O1	
4100		T (165)		278	148	28	INCL	(F11,23) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		B (57)		92	420	80	INCL	(F11,12)		OPP	O1	
		C (70)		113	350	66	INCL	(F11,12)		OPP	O1	
		E (86)		139	285	54	INCL	(F11,12)		OPP	O1	
4250		J (105)		170	235	44	INCL	(F11,12)		OPP	O1	 ↑ 1B
		Output 1 C (96)		112	355	67	INCL	(F11,12,25)		OPP	O1	
		Output 2 B (89)		104	380	72	INCL	(F11,12,25)		OPP	O1	
		Output 1 E (112)		131	300	57	INCL	(F11,12,25)		OPP	O1	
		Output 2 C (104)		120	325	62	INCL	(F11,12,25)		OPP	O1	
		Output 1 J (132)		153	260	49	INCL	(F11,12,25)		OPP	O1	
		Output 2 E (121)		140	280	53	INCL	(F11,12,25)		OPP	O1	
		Output 1 O (168)		195	200	38	INCL	(F11,12,25)		OPP	O1	
		Output 2 J (152)		177	220	42	INCL	(F11,12,25)		OPP	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FAO-11810C
FAO-12810C

FAO-13810C
FAO-14810C

FAO-15810C
FAO-16810C

FAOM-14810C
FAOM-15810C

FUL.46

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
6800	Forward (55)		89		150	28	INCL	(F11)		BOTH	O1	 ↑ 1B
	Reverse (52)		84		150	28	INCL	(F11)		BOTH	O1	
8000	Forward (40)		70		500	95	INCL	(F11)		BOTH	O1	 ↑ 1B
	Reverse (50)		83		500	95	INCL	(F11)		BOTH	O1	
8500	B (57)		64		500	95	INCL	(F11,23)		OPP	O1	 ↑ 1B
	C (70)		85		485	92	INCL	(F11,23)		OPP	O1	
	E (86)		101		400	76	INCL	(F11,23)		OPP	O1	
	J (105)		125		325	62	INCL	(F11,23)		OPP	O1	
	O (127)		145		270	51	INCL	(F11,23)		OPP	O1	
	R (137)				250	47	INCL	(F11,23)		OPP	O1	
	S (150)				225	43	INCL	(F11,23)		OPP	O1	
	T (165)				210	40	INCL	(F11,23)		OPP	O1	

FOOT NOTES:

F11: Trucks with setback front axles and direct mount pumps will have better clearance with "3" assembly arrangement. This will also provide better clearance of air tanks on International chassis.

F12: Possible internal transmission gear interference with 4000 Series "J" & "O" ratios and 4250 ratio O-J. Check Before installing PTO.

F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.

F23: Interference with adjacent gear in transmission for Ratios "O" and above on Right Side & Ratios "R" and above on Bottom.

F6: Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.

F7: For vehicles with Spring Hanger interference, use adapter AD645-01.

Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RTO-11109B-AT
RTO-12109B-AT

RTO-13109B-AT
RTO-14109B-AT

RTO-16109B-AT
RTO-9109B-AT

FUL.47

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		89	250	47	INCL	(F6,17,28,31)		OPP	01	
		C (73)		118	250	47	INCL	(F6,17,28,31)		OPP	01	
		E (86)		141	225	43	INCL	(F6,17,28,31)		OPP	01	
		J (95)		154	225	43	INCL	(F6,17,28,31)		OPP	01	
		O (125)		202	195	37	INCL	(F6,17,28,31)		OPP	01	
		R (137)		221	180	34	INCL	(F6,17,28,31)		OPP	01	
		S (150)		242	162	31	INCL	(F6,17,28,31)		OPP	01	
		T (165)		267	148	28	INCL	(F6,17,28,31)		OPP	01	
3200		Z (40)		65	250	47	INCL	(F6,17,28)		OPP	01	
		A (50)		81	250	47	INCL	(F6,17,28)		OPP	01	
		B (55)		89	250	47	INCL	(F6,17,28)		OPP	01	
		C (73)		118	250	47	INCL	(F6,17,28)		OPP	01	
		E (86)		141	225	43	INCL	(F6,17,28)		OPP	01	
		J (95)		155	225	43	INCL	(F6,17,28)		OPP	01	
		O (125)		202	195	37	INCL	(F6,17,28)		OPP	01	
		R (137)		221	180	34	INCL	(F6,17,28)		OPP	01	
		S (150)		242	162	31	INCL	(F6,17,28)		OPP	01	
		T (165)		266	148	28	INCL	(F6,17,28)		OPP	01	
6000		Forward (73)		118	150	28	INCL	(F17,28,31)		BOTH	01	
		Reverse (83)		134	150	28	INCL	(F17,28,31)		BOTH	01	

Eaton Fuller

For complete part numbers, consult the PTO Series section (page 25)



Eaton Fuller

RTO-11109B-AT
RTO-12109B-AT

RTO-13109B-AT
RTO-14109B-AT

RTO-16109B-AT
RTO-9109B-AT

FUL.47

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		79	250	47	INCL	(F17,18,28,31)		OPP	O1	 ↑ 1B
		B (55)		93	250	47	INCL	(F17,18,28,31)		OPP	O1	
		C (73)		123	250	47	INCL	(F17,18,28,31)		OPP	O1	
		E (86)		147	225	43	INCL	(F17,18,28,31)		OPP	O1	
		J (95)		160	225	43	INCL	(F17,18,28,31)		OPP	O1	
		O (125)		211	180	34	INCL	(F17,18,28,31)		OPP	O1	
		R (137)		231	170	32	INCL	(F17,18,28,31)		OPP	O1	
		S (150)		253	155	29	INCL	(F17,18,28,31)		OPP	O1	
		T (165)		278	140	27	INCL	(F17,18,28,31)		OPP	O1	
3800		Z (40)		68	250	47	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		84	250	47	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
		B (55)		93	250	47	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
		C (73)		123	250	47	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
		E (86)		148	225	43	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
		J (95)		161	225	43	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
		O (125)		211	195	37	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
		R (137)		231	180	34	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
		S (150)		253	162	31	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
		T (165)		278	148	28	INCL	(F17,18,28) CLUTCH SHIFT		OPP	O1	
4100		B (57)		92	420	80	INCL	(F17,18,28)		OPP	O1	 ↑ 1B
		C (70)		113	350	66	INCL	(F17,18,28)		OPP	O1	
		E (86)		139	285	54	INCL	(F17,18,28)		OPP	O1	
		J (105)		170	235	44	INCL	(F17,18,28)		OPP	O1	
4250		Output 1 C (96)		112	355	67	INCL	(F17,18,25,28)		OPP	O1	 ↑ 1B
		Output 2 B (89)		104	380	72	INCL	(F17,18,25,28)		OPP	O1	
		Output 1 E (112)		131	300	57	INCL	(F17,18,25,28)		OPP	O1	
		Output 2 C (104)		120	325	62	INCL	(F17,18,25,28)		OPP	O1	
		Output 1 J (132)		153	260	49	INCL	(F17,18,25,28)		OPP	O1	
		Output 2 E (121)		140	280	53	INCL	(F17,18,25,28)		OPP	O1	
		Output 1 O (168)		195	200	38	INCL	(F17,18,25,28)		OPP	O1	
		Output 2 J (152)		177	220	42	INCL	(F17,18,25,28)		OPP	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

RTO-11109B-AT
RTO-12109B-AT

RTO-13109B-AT
RTO-14109B-AT

RTO-16109B-AT
RTO-9109B-AT

FUL.47

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
6800	Forward (55)		89		150	28	INCL	(F17,18,28,31)		BOTH	O1	 ↑ 1B
	Reverse (52)		84		150	28	INCL	(F17,18,28,31)		BOTH	O1	
8000	Forward (40)		70		500	95	INCL	(F17,18,28,31)		BOTH	O1	 ↑ 1B
	Reverse (50)		83		500	95	INCL	(F17,18,28,31)		BOTH	O1	
8500	B (57)		64		500	95	INCL	(F17,18,28)		OPP	O1	 ↑ 1B
	C (70)		85		485	92	INCL	(F17,18,28)		OPP	O1	
	E (86)		101		400	76	INCL	(F17,18,28)		OPP	O1	
	J (105)		125		325	62	INCL	(F17,18,28)		OPP	O1	
	O (127)		145		270	51	INCL	(F17,18,28)		OPP	O1	
	R (137)		159		250	47	INCL	(F17,18,28)		OPP	O1	
	S (150)		174		225	43	INCL	(F17,18,28)		OPP	O1	
	T (165)		191		210	40	INCL	(F17,18,28)		OPP	O1	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above **DO NOT exceed 350 ft-lbs of torque for any application.**

FOOT NOTES:

- F17:** Speeds shown are with transmission torque converter in lock up condition.
- F18:** This opening is not usable if transmission is equipped with optional low profile oil pan.
- F25:** Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.
- F6:** Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
- F31:** For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT9099999
- F28:** Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions, the torque limit is 350 ft-lbs (475 Nm) Maximum unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number 4301417 when installed moves the torque rating for the PTO driver gear to 500 ft-lbs (678 Nm) of torque Maximum. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above DO NOT exceed 350 ft-lbs of torque for any application.

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RTO-1157DL/DLL

TO-11605D

TO-905A/D

TO-955AL/ALL/DLL

FUL.48

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		92	250	47	INCL	(F6,7,28,31)		OPP	01	
		C (73)		122	250	47	INCL	(F6,7,28,31)		OPP	01	
		E (86)		146	225	43	INCL	(F6,7,28,31)		OPP	01	
		J (95)		159	225	43	INCL	(F6,7,28,31)		OPP	01	
		O (125)		210	195	37	INCL	(F6,7,28,31)		OPP	01	
		R (137)		230	180	34	INCL	(F6,7,28,31)		OPP	01	
		S (150)		252	162	31	INCL	(F6,7,28,31)		OPP	01	
		T (165)		277	148	28	INCL	(F6,7,28,31)		OPP	01	
3200		Z (40)		67	250	47	INCL	(F6,7,28)		OPP	01	
		A (50)		84	250	47	INCL	(F6,7,28)		OPP	01	
		B (55)		92	250	47	INCL	(F6,7,28)		OPP	01	
		C (73)		122	250	47	INCL	(F6,7,28)		OPP	01	
		E (86)		147	225	43	INCL	(F6,7,28)		OPP	01	
		J (95)		160	225	43	INCL	(F6,7,28)		OPP	01	
		O (125)		210	195	37	INCL	(F6,7,28)		OPP	01	
		R (137)		230	180	34	INCL	(F6,7,28)		OPP	01	
		S (150)		252	162	31	INCL	(F6,7,28)		OPP	01	
		T (165)		276	148	28	INCL	(F6,7,28)		OPP	01	
6000		Forward (73)		122	150	28	INCL	(F7,28,31)		BOTH	01	
		Reverse (83)		139	150	28	INCL	(F7,28,31)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RTO-1157DL/DLL

TO-11605D

TO-905A/D

TO-955AL/ALL/DLL

FUL.48

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		84	250	47	INCL	(F28,31)		OPP	O1	 ↑ 1B
		B (55)		96	250	47	INCL	(F28,31)		OPP	O1	
		C (73)		128	250	47	INCL	(F28,31)		OPP	O1	
		E (86)		152	225	43	INCL	(F28,31)		OPP	O1	
		J (95)		166	225	43	INCL	(F28,31)		OPP	O1	
		O (125)		219	180	34	INCL	(F28,31)		OPP	O1	
		R (137)		240	170	32	INCL	(F28,31)		OPP	O1	
		S (150)		263	155	29	INCL	(F28,31)		OPP	O1	
		T (165)		289	140	27	INCL	(F28,31)		OPP	O1	
3800		Z (40)		70	250	47	INCL	(F28) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		88	250	47	INCL	(F28) CLUTCH SHIFT		OPP	O1	
		B (55)		96	250	47	INCL	(F28) CLUTCH SHIFT		OPP	O1	
		C (73)		128	250	47	INCL	(F28) CLUTCH SHIFT		OPP	O1	
		E (86)		153	225	43	INCL	(F28) CLUTCH SHIFT		OPP	O1	
		J (95)		168	225	43	INCL	(F28) CLUTCH SHIFT		OPP	O1	
		O (125)		219	195	37	INCL	(F28) CLUTCH SHIFT		OPP	O1	
		R (137)		240	180	34	INCL	(F28) CLUTCH SHIFT		OPP	O1	
		S (150)		263	162	31	INCL	(F28) CLUTCH SHIFT		OPP	O1	
4100		T (165)		289	148	28	INCL	(F28) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		B (57)		96	420	80	INCL	(F28)		OPP	O1	
		C (70)		117	350	66	INCL	(F28)		OPP	O1	
		E (86)		144	285	54	INCL	(F28)		OPP	O1	
		J (105)		176	235	44	INCL	(F28)		OPP	O1	
4250		Output 1 C (96)		116	355	67	INCL	(F25)		OPP	O1	 ↑ 1B
		Output 2 B (89)		108	380	72	INCL	(F25,28)		OPP	O1	
		Output 1 E (112)		135	300	57	INCL	(F25,28)		OPP	O1	
		Output 2 C (104)		125	325	62	INCL	(F25,28)		OPP	O1	
		Output 1 J (132)		159	260	49	INCL	(F25,28)		OPP	O1	
		Output 2 E (121)		146	280	53	INCL	(F25,28)		OPP	O1	
		Output 1 O (168)		203	200	38	INCL	(F25,28)		OPP	O1	
		Output 2 J (152)		184	220	42	INCL	(F25,28)		OPP	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RTO-1157DL/DLL

TO-11605D

TO-905A/D

TO-955AL/ALL/DLL

FUL.48

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
6800	Forward (55)		92		150	28	INCL	(F28,31)		BOTH	O1	 ↑ 1B
	Reverse (52)		87		150	28	INCL	(F28,31)		BOTH	O1	
8000	Forward (40)		72		500	95	INCL	(F28,31)		BOTH	O1	 ↑ 1B
	Reverse (50)		86		500	95	INCL	(F28,31)		BOTH	O1	
8500	B (57)		66		500	95	INCL	(F28)		OPP	O1	 ↑ 1B
	C (70)		88		485	92	INCL	(F28)		OPP	O1	
	E (86)		105		400	76	INCL	(F28)		OPP	O1	
	J (105)		130		325	62	INCL	(F28)		OPP	O1	
	O (127)		151		270	51	INCL	(F28)		OPP	O1	
	R (137)		165		250	47	INCL	(F28)		OPP	O1	
	S (150)		181		225	43	INCL	(F28)		OPP	O1	
	T (165)		199		210	40	INCL	(F28)		OPP	O1	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.

F6: Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.

F7: For vehicles with Spring Hanger interference, use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.

F31: For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT9099999

F28: Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions, the torque limit is 350 ft-lbs (475 Nm) Maximum unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number 4301417 when installed moves the torque rating for the PTO driver gear to 500 ft-lbs (678 Nm) of torque Maximum. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above DO NOT exceed 350 ft-lbs of torque for any application.

Eaton Fuller

RTO-11607L/LL

RTO-11707DLL

RTO-11707LL

RTO-13707DLL/MLL

TO-11605A

FUL.49

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		93	250	47	INCL	(F6,7,28,31)		OPP	01	
		C (73)		124	250	47	INCL	(F6,7,28,31)		OPP	01	
		E (86)		147	225	43	INCL	(F6,7,28,31)		OPP	01	
		J (95)		161	225	43	INCL	(F6,7,28,31)		OPP	01	
		O (125)		212	195	37	INCL	(F6,7,28,31)		OPP	01	
		R (137)		232	180	34	INCL	(F6,7,28,31)		OPP	01	
		S (150)		254	162	31	INCL	(F6,7,28,31)		OPP	01	
		T (165)		279	148	28	INCL	(F6,7,28,31)		OPP	01	
3200		Z (40)		68	250	47	INCL	(F6,7,28)		OPP	01	
		A (50)		85	250	47	INCL	(F6,7,28)		OPP	01	
		B (55)		93	250	47	INCL	(F6,7,28)		OPP	01	
		C (73)		124	250	47	INCL	(F6,7,28)		OPP	01	
		E (86)		148	225	43	INCL	(F6,7,28)		OPP	01	
		J (95)		162	225	43	INCL	(F6,7,28)		OPP	01	
		O (125)		212	195	37	INCL	(F6,7,28)		OPP	01	
		R (137)		232	180	34	INCL	(F6,7,28)		OPP	01	
		S (150)		254	162	31	INCL	(F6,7,28)		OPP	01	
		T (165)		279	148	28	INCL	(F6,7,28)		OPP	01	
6000		Forward (73)		124	150	28	INCL	(F7,28,31)		BOTH	01	
		Reverse (83)		141	150	28	INCL	(F7,28,31)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RTO-11607L/LL

RTO-11707DLL

RTO-11707LL

RTO-13707DLL/MLL

TO-11605A

FUL.49

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		84	250	47	INCL	(F28,31)		OPP	O1	 ↑ 1B
		B (55)		97	250	47	INCL	(F28,31)		OPP	O1	
		C (73)		129	250	47	INCL	(F28,31)		OPP	O1	
		E (86)		154	225	43	INCL	(F28,31)		OPP	O1	
		J (95)		168	225	43	INCL	(F28,31)		OPP	O1	
		O (125)		221	180	34	INCL	(F28,31)		OPP	O1	
		R (137)		242	170	32	INCL	(F28,31)		OPP	O1	
		S (150)		265	155	29	INCL	(F28,31)		OPP	O1	
		T (165)		292	140	27	INCL	(F28,31)		OPP	O1	
3800		Z (40)		71	250	47	INCL	(F28) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		88	250	47	INCL	(F28) CLUTCH SHIFT		OPP	O1	
		B (55)		97	250	47	INCL	(F28) CLUTCH SHIFT		OPP	O1	
		C (73)		129	250	47	INCL	(F28) CLUTCH SHIFT		OPP	O1	
		E (86)		155	225	43	INCL	(F28) CLUTCH SHIFT		OPP	O1	
		J (95)		169	225	43	INCL	(F28) CLUTCH SHIFT		OPP	O1	
		O (125)		221	195	37	INCL	(F28) CLUTCH SHIFT		OPP	O1	
		R (137)		242	180	34	INCL	(F28) CLUTCH SHIFT		OPP	O1	
		S (150)		265	162	31	INCL	(F28) CLUTCH SHIFT		OPP	O1	
		T (165)		291	148	28	INCL	(F28) CLUTCH SHIFT		OPP	O1	
4100		B (57)		96	420	80	INCL	(F28)		OPP	O1	 ↑ 1B
		C (70)		118	350	66	INCL	(F28)		OPP	O1	
		E (86)		146	285	54	INCL	(F28)		OPP	O1	
		J (105)		178	235	44	INCL	(F28)		OPP	O1	
4250		Output 1 C (96)		117	355	67	INCL	(F25,28)		OPP	O1	 ↑ 1B
		Output 2 B (89)		109	380	72	INCL	(F25,28)		OPP	O1	
		Output 1 E (112)		137	300	57	INCL	(F25,28)		OPP	O1	
		Output 2 C (104)		126	325	62	INCL	(F25,28)		OPP	O1	
		Output 1 J (132)		160	260	49	INCL	(F25,28)		OPP	O1	
		Output 2 E (121)		147	280	53	INCL	(F25,28)		OPP	O1	
		Output 1 O (168)		205	200	38	INCL	(F25,28)		OPP	O1	
		Output 2 J (152)		185	220	42	INCL	(F25,28)		OPP	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RTO-11607L/LL

RTO-11707DLL

RTO-11707LL

RTO-13707DLL/MLL

TO-11605A

FUL.49

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
6800	Forward (55)		93		150	28	INCL	(F28,31)		BOTH	O1	 ↑ 1B
	Reverse (52)		88		150	28	INCL	(F28,31)		BOTH	O1	
8000	Forward (40)		73		500	95	INCL	(F28,31)		BOTH	O1	 ↑ 1B
	Reverse (50)		87		500	95	INCL	(F28,31)		BOTH	O1	
8500	B (57)		67		500	95	INCL	(F28)		OPP	O1	 ↑ 1B
	C (70)		89		485	92	INCL	(F28)		OPP	O1	
	E (86)		106		400	76	INCL	(F28)		OPP	O1	
	J (105)		131		325	62	INCL	(F28)		OPP	O1	
	O (127)		152		270	51	INCL	(F28)		OPP	O1	
	R (137)		167		250	47	INCL	(F28)		OPP	O1	
	S (150)		182		225	43	INCL	(F28)		OPP	O1	
	T (165)		201		210	40	INCL	(F28)		OPP	O1	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.

F6: Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.

F7: For vehicles with Spring Hanger interference, use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.

F31: For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT9099999

F28: Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions, the torque limit is 350 ft-lbs (475 Nm) Maximum unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number 4301417 when installed moves the torque rating for the PTO driver gear to 500 ft-lbs (678 Nm) of torque Maximum. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above DO NOT exceed 350 ft-lbs of torque for any application.

For complete part numbers, consult the PTO Series section (page 25)



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Eaton Fuller

FRO-11210C
FRO-12210C
FRO-13210C
FRO-14210C

FRO-15210C
FRO-16210C
FRO-17210C
FRO-18210C

RTO-11210C
RTO-11210R
RTO-12210C
RTO-12210R

RTO-13210C
RTO-13210R
RTO-14210C
RTO-14210R

RTO-15210C
RTO-16210C

FUL.50

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		94	250	47	M1	(F6,28,31)		OPP	01	
		C (73)		125	250	47	M1	(F6,28,31)		OPP	01	
		E (86)		149	225	43	M1	(F6,28,31)		OPP	01	
		J (95)		163	225	43	M1	(F6,28,31)		OPP	01	
		O (125)		215	195	37	M1	(F6,28,31)		OPP	01	
		R (137)		235	180	34	M1	(F6,28,31)		OPP	01	
		S (150)		258	162	31	M1	(F6,28,31)		OPP	01	
		T (165)		284	148	28	M1	(F6,28,31)		OPP	01	
3200		Z (40)		69	250	47	M1	(F6,28)		OPP	01	
		A (50)		86	250	47	M1	(F6,28)		OPP	01	
		B (55)		94	250	47	M1	(F6,28)		OPP	01	
		C (73)		125	250	47	M1	(F6,28)		OPP	01	
		E (86)		150	225	43	M1	(F6,28)		OPP	01	
		J (95)		164	225	43	M1	(F6,28)		OPP	01	
		O (125)		215	195	37	M1	(F6,28)		OPP	01	
		R (137)		235	180	34	M1	(F6,28)		OPP	01	
		S (150)		258	162	31	M1	(F6,28)		OPP	01	
		T (165)		283	148	28	M1	(F6,28)		OPP	01	
6000		Forward (73)		125	150	28	M1	(F28,31)		BOTH	01	
		Reverse (83)		143	150	28	M1	(F28,31)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FUL.50

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		93	250	47	M2	(F28,30,31)		OPP	O1	 ↑ 1B
		B (55)		99	250	47	M2	(F28,30,31)		OPP	O1	
		C (73)		131	250	47	M2	(F28,30,31)		OPP	O1	
		E (86)		156	225	43	M2	(F28,30,31)		OPP	O1	
		J (95)		170	225	43	M2	(F28,30,31)		OPP	O1	
		O (125)		224	180	34	M2	(F28,30,31)		OPP	O1	
		R (137)		246	170	32	M2	(F28,30,31)		OPP	O1	
		S (150)		269	155	29	M2	(F28,30,31)		OPP	O1	
		T (165)		296	140	27	M2	(F28,30,31)		OPP	O1	
3800		Z (40)		72	250	47	M2	(F28,30) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		90	250	47	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
		B (55)		99	250	47	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
		C (73)		131	250	47	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
		E (86)		157	225	43	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
		J (95)		172	225	43	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
		O (125)		224	195	37	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
		R (137)		246	180	34	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
		S (150)		269	162	31	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
		T (165)		296	148	28	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
4100		B (57)		98	420	80	M2	(F28,30)		OPP	O1	 ↑ 1B
		C (70)		120	350	66	M2	(F28,30)		OPP	O1	
		E (86)		148	285	54	M2	(F28,30)		OPP	O1	
		J (105)		180	235	44	M2	(F28,30)		OPP	O1	
4250		Output 1 C (96)		119	355	67	M2	(F25,28,30)		OPP	O1	 ↑ 1B
		Output 2 B (89)		110	380	72	M2	(F25,28,30)		OPP	O1	
		Output 1 E (112)		139	300	57	M2	(F25,28,30)		OPP	O1	
		Output 2 C (104)		128	325	62	M2	(F25,28,30)		OPP	O1	
		Output 1 J (132)		163	260	49	M2	(F25,28,30)		OPP	O1	
		Output 2 E (121)		149	280	53	M2	(F25,28,30)		OPP	O1	
		Output 1 O (168)		208	200	38	M2	(F25,28,30)		OPP	O1	
		Output 2 J (152)		188	220	42	M2	(F25,28,30)		OPP	O1	
CONTINUES →												

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FUL.50

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
6800	Forward (55)		94		150	28	M2	(F28,30,31)		BOTH	O1	
	Reverse (52)		89		150	28	M2	(F28,30,31)		BOTH	O1	↑ 1B
8000	Forward (40)		74		500	95	M2	(F28,30,31)		BOTH	O1	
	Reverse (50)		88		500	95	M2	(F28,30,31)		BOTH	O1	↑ 1B
8500	B (57)		68		500	95	M2	(F28,30)		OPP	O1	
	C (70)		90		485	92	M2	(F28,30)		OPP	O1	
	E (86)		107		400	76	M2	(F28,30)		OPP	O1	
	J (105)		133		325	62	M2	(F28,30)		OPP	O1	
	O (127)		154		270	51	M2	(F28,30)		OPP	O1	
	R (137)		169		250	47	M2	(F28,30)		OPP	O1	
	S (150)		185		225	43	M2	(F28,30)		OPP	O1	
	T (165)		204		210	40	M2	(F28,30)		OPP	O1	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.

F6: Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.

F28: Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions, the torque limit is 350 ft-lbs (475 Nm) Maximum unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number 4301417 when installed moves the torque rating for the PTO driver gear to 500 ft-lbs (678 Nm) of torque Maximum. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above DO NOT exceed 350 ft-lbs of torque for any application.

F30: Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all FR, FRO, FRLO transmissions, the torque limit is 500 ft-lbs (678 Nm). All torque limits listed in the BZ application book are intermediate ratings.

F31: For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT9099999

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RTO-910

RTO-915

RTOF-910

RTOF-915

FUL.51

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		97	250	47	INCL	(F6,7,28,31)		OPP	01	
		C (73)		129	250	47	INCL	(F6,7,28,31)		OPP	01	
		E (86)		154	225	43	INCL	(F6,7,28,31)		OPP	01	
		J (95)		168	225	43	INCL	(F6,7,28,31)		OPP	01	
		O (125)		221	195	37	INCL	(F6,7,28,31)		OPP	01	
		R (137)		242	180	34	INCL	(F6,7,28,31)		OPP	01	
		S (150)		265	162	31	INCL	(F6,7,28,31)		OPP	01	
		T (165)		292	148	28	INCL	(F6,7,28)		OPP	01	
3200		Z (40)		71	250	47	INCL	(F6,7,28)		OPP	01	
		A (50)		88	250	47	INCL	(F6,7,28)		OPP	01	
		B (55)		97	250	47	INCL	(F6,7,28)		OPP	01	
		C (73)		129	250	47	INCL	(F6,7,28)		OPP	01	
		E (86)		155	225	43	INCL	(F6,7,28)		OPP	01	
		J (95)		169	225	43	INCL	(F6,7,28)		OPP	01	
		O (125)		221	195	37	INCL	(F6,7,28)		OPP	01	
		R (137)		242	180	34	INCL	(F6,7,28)		OPP	01	
		S (150)		265	162	31	INCL	(F6,7,28)		OPP	01	
		T (165)		291	148	28	INCL	(F6,7,28)		OPP	01	
6000		Forward (73)		129	150	28	INCL	(F7,28,31)		BOTH	01	
		Reverse (83)		147	150	28	INCL	(F7,28,31)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RTO-910

RTO-915

RTOF-910

RTOF-915

FUL.51

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		88	250	47	INCL	(F11,28,31)		OPP	O1	 ↑ 1B
		B (55)		102	250	47	INCL	(F11,28,31)		OPP	O1	
		C (73)		135	250	47	INCL	(F11,28,31)		OPP	O1	
		E (86)		161	225	43	INCL	(F11,28,31)		OPP	O1	
		J (95)		176	225	43	INCL	(F11,28,31)		OPP	O1	
		O (125)		231	180	34	INCL	(F11,28,31)		OPP	O1	
		R (137)		253	170	32	INCL	(F11,28,31)		OPP	O1	
		S (150)		277	155	29	INCL	(F11,28,31)		OPP	O1	
		T (165)		305	140	27	INCL	(F11,28,31)		OPP	O1	
3800		Z (40)		74	250	47	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		92	250	47	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		B (55)		102	250	47	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		C (73)		135	250	47	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		E (86)		162	225	43	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		J (95)		177	225	43	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		O (125)		231	195	37	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		R (137)		253	180	34	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		S (150)		277	162	31	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		T (165)		304	148	28	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
4100		B (57)		101	420	80	INCL	(F11,28)		OPP	O1	 ↑ 1B
		C (70)		124	350	66	INCL	(F11,28)		OPP	O1	
		E (86)		152	285	54	INCL	(F11,28)		OPP	O1	
		J (105)		186	235	44	INCL	(F11,28)		OPP	O1	
4250		Output 1 C (96)		122	355	67	INCL	(F11,25,28)		OPP	O1	 ↑ 1B
		Output 2 B (89)		113	380	72	INCL	(F11,25,28)		OPP	O1	
		Output 1 E (112)		143	300	57	INCL	(F11,25,28)		OPP	O1	
		Output 2 C (104)		132	325	62	INCL	(F11,25,28)		OPP	O1	
		Output 1 J (132)		167	260	49	INCL	(F11,25,28)		OPP	O1	
		Output 2 E (121)		154	280	53	INCL	(F11,25,28)		OPP	O1	
		Output 1 O (168)		214	200	38	INCL	(F11,25,28)		OPP	O1	
		Output 2 J (152)		194	220	42	INCL	(F11,25,28)		OPP	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RTO-910

RTO-915

RTOF-910

RTOF-915

FUL.51

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
6800	Forward (55)		97		150	28	INCL	(F11,28,31)		BOTH	O1	 ↑ 1B
	Reverse (52)		92		150	28	INCL	(F11,28,31)		BOTH	O1	
8000	Forward (40)		76		500	95	INCL	(F11,28,31)		BOTH	O1	 ↑ 1B
	Reverse (50)		91		500	95	INCL	(F11,28,31)		BOTH	O1	
8500	B (57)		70		500	95	INCL	(F11,28)		OPP	O1	 ↑ 1B
	C (70)		93		485	92	INCL	(F11,28)		OPP	O1	
	E (86)		111		400	76	INCL	(F11,28)		OPP	O1	
	J (105)		137		325	62	INCL	(F11,28)		OPP	O1	
	O (127)		159		270	51	INCL	(F11,28)		OPP	O1	
	R (137)		174		250	47	INCL	(F11,28)		OPP	O1	
	S (150)		191		225	43	INCL	(F11,28)		OPP	O1	
	T (165)		210		210	40	INCL	(F11,28)		OPP	O1	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

- F11: Trucks with setback front axles and direct mount pumps will have better clearance with "3" assembly arrangement. This will also provide better clearance of air tanks on International chassis.
- F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.
- F6: Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
- F7: For vehicles with Spring Hanger interference, use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.
- F28: Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions, the torque limit is 350 ft-lbs (475 Nm) Maximum unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number 4301417 when installed moves the torque rating for the PTO driver gear to 500 ft-lbs (678 Nm) of torque Maximum. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above DO NOT exceed 350 ft-lbs of torque for any application.
- F31: For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT9099999

For complete part numbers, consult the PTO Series section (page 25)



Eaton Fuller

FRO-11210B
FRO-12210B
FRO-13210B
FRO-14210B

FRO-15210B
FRO-16210B
FRO-9210B
RTO-11209B/H

RTO-11210B
RTO-12209B/H
RTO-12210B
RTO-13209B/H

RTO-13210B
RTO-14209B/H
RTO-14210B
RTO-15210B

RTO-16210B

FUL.52

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		98	250	47	M1	(F6,28,31)		OPP	01	
		C (73)		130	250	47	M1	(F6,28,31)		OPP	01	
		E (86)		155	225	43	M1	(F6,28,31)		OPP	01	
		J (95)		169	225	43	M1	(F6,28,31)		OPP	01	
		O (125)		222	195	37	M1	(F6,28,31)		OPP	01	
		R (137)		244	180	34	M1	(F6,28,31)		OPP	01	
		S (150)		267	162	31	M1	(F6,28,31)		OPP	01	
		T (165)		294	148	28	M1	(F6,28,31)		OPP	01	
3200		Z (40)		71	250	47	M1	(F6,28)		OPP	01	
		A (50)		89	250	47	M1	(F6,28)		OPP	01	
		B (55)		98	250	47	M1	(F6,28)		OPP	01	
		C (73)		130	250	47	M1	(F6,28)		OPP	01	
		E (86)		156	225	43	M1	(F6,28)		OPP	01	
		J (95)		170	225	43	M1	(F6,28)		OPP	01	
		O (125)		222	195	37	M1	(F6,28)		OPP	01	
		R (137)		244	180	34	M1	(F6,28)		OPP	01	
		S (150)		267	162	31	M1	(F6,28)		OPP	01	
		T (165)		293	148	28	M1	(F6,28)		OPP	01	
6000		Forward (73)		130	150	28	M1	(F28,31)		BOTH	01	
		Reverse (83)		148	150	28	M1	(F28,31)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FUL.52

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		88	250	47	M2	(F28,30,31)		OPP	O1	 ↑ 1B
		B (55)		102	250	47	M2	(F28,30,31)		OPP	O1	
		C (73)		136	250	47	M2	(F28,30,31)		OPP	O1	
		E (86)		162	225	43	M2	(F28,30,31)		OPP	O1	
		J (95)		177	225	43	M2	(F28,30,31)		OPP	O1	
		O (125)		232	180	34	M2	(F28,30,31)		OPP	O1	
		R (137)		255	170	32	M2	(F28,30,31)		OPP	O1	
		S (150)		279	155	29	M2	(F28,30,31)		OPP	O1	
		T (165)		307	140	27	M2	(F28,30,31)		OPP	O1	
3800		Z (40)		74	250	47	M2	(F28,30) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		93	250	47	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
		B (55)		102	250	47	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
		C (73)		136	250	47	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
		E (86)		163	225	43	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
		J (95)		178	225	43	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
		O (125)		232	195	37	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
		R (137)		254	180	34	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
		S (150)		279	162	31	M2	(F28,30) CLUTCH SHIFT		OPP	O1	
	T (165)		306	148	28	M2	(F28,30) CLUTCH SHIFT		OPP	O1		
4100		B (57)		101	420	80	M2	(F28,30)		OPP	O1	 ↑ 1B
		C (70)		124	350	66	M2	(F28,30)		OPP	O1	
		E (86)		153	285	54	M2	(F28,30)		OPP	O1	
		J (105)		187	235	44	M2	(F28,30)		OPP	O1	
4250		Output 1 C (96)		123	355	67	M2	(F25,28,30)		OPP	O1	 ↑ 1B
		Output 2 B (89)		114	380	72	M2	(F25,28,30)		OPP	O1	
		Output 1 E (112)		144	300	57	M2	(F25,28,30)		OPP	O1	
		Output 2 C (104)		133	325	62	M2	(F25,28,30)		OPP	O1	
		Output 1 J (132)		168	260	49	M2	(F25,28,30)		OPP	O1	
		Output 2 E (121)		154	280	53	M2	(F25,28,30)		OPP	O1	
		Output 1 O (168)		215	200	38	M2	(F25,28,30)		OPP	O1	
		Output 2 J (152)		195	220	42	M2	(F25,28,30)		OPP	O1	
CONTINUES →												

For complete part numbers, consult the PTO Series section (page 25)



	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
6800	Forward (55)		98	150	28	M2	(F28,30,31)			BOTH	O1	 ↑ 1B
	Reverse (52)		92	150	28	M2	(F28,30,31)			BOTH	O1	
8000	Forward (40)		77	500	95	M2	(F28,30,31)			BOTH	O1	 ↑ 1B
	Reverse (50)		91	500	95	M2	(F28,30,31)			BOTH	O1	
8500	B (57)		70	500	95	M2	(F28,30)			OPP	O1	 ↑ 1B
	C (70)		93	485	92	M2	(F28,30)			OPP	O1	
	E (86)		111	400	76	M2	(F28,30)			OPP	O1	
	J (105)		138	325	62	M2	(F28,30)			OPP	O1	
	O (127)		160	270	51	M2	(F28,30)			OPP	O1	
	R (137)		175	250	47	M2	(F28,30)			OPP	O1	
	S (150)		192	225	43	M2	(F28,30)			OPP	O1	
	T (165)		211	210	40	M2	(F28,30)			OPP	O1	

CAUTION:
Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.
The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above **DO NOT** exceed 350 ft-lbs of torque for any application.

FOOT NOTES:
F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.
F6: Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
F28: Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions, the torque limit is 350 ft-lbs (475 Nm) Maximum unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number 4301417 when installed moves the torque rating for the PTO driver gear to 500 ft-lbs (678 Nm) of torque Maximum. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above DO NOT exceed 350 ft-lbs of torque for any application.
F30: Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all FR, FRO, FRLO transmissions, the torque limit is 500 ft-lbs (678 Nm). All torque limits listed in the BZ application book are intermediate ratings.
F31: For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT9099999

Eaton Fuller

RTO-1110
RTO-11610
RTO-11615
RTO-11715

RTO-12510
RTO-12515
RTO-12610
RTO-14610

RTO-14615
RTO-14715
RTO-14915
RTO-15615

RTO-15715
RTO-16715
RTO-16915
RTX-14715

RTX-15715

FUL.53

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		100	250	47	INCL	(F6,7,28,31)		OPP	01	
		C (73)		133	250	47	INCL	(F6,7,28,31)		OPP	01	
		E (86)		158	225	43	INCL	(F6,7,28,31)		OPP	01	
		J (95)		173	225	43	INCL	(F6,7,28,31)		OPP	01	
		O (125)		227	195	37	INCL	(F6,7,28,31)		OPP	01	
		R (137)		249	180	34	INCL	(F6,7,28,31)		OPP	01	
		S (150)		272	162	31	INCL	(F6,7,28,31)		OPP	01	
		T (165)		300	148	28	INCL	(F6,7,28,31)		OPP	01	
3200		Z (40)		73	250	47	INCL	(F6,7,28)		OPP	01	
		A (50)		91	250	47	INCL	(F6,7,28)		OPP	01	
		B (55)		100	250	47	INCL	(F6,7,28)		OPP	01	
		C (73)		133	250	47	INCL	(F6,7,28)		OPP	01	
		E (86)		159	225	43	INCL	(F6,7,28)		OPP	01	
		J (95)		174	225	43	INCL	(F6,7,28)		OPP	01	
		O (125)		227	195	37	INCL	(F6,7,28)		OPP	01	
		R (137)		249	180	34	INCL	(F6,7,28)		OPP	01	
		S (150)		272	162	31	INCL	(F6,7,28)		OPP	01	
		T (165)		299	148	28	INCL	(F6,7,28)		OPP	01	
6000		Forward (73)		133	150	28	INCL	(F7,28,31)		BOTH	01	
		Reverse (83)		151	150	28	INCL	(F7,28,31)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)



Eaton Fuller

FUL.53

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		91	250	47	INCL	(F11,28,31)		OPP	O1	 ↑ 1B
		B (55)		104	250	47	INCL	(F11,28,31)		OPP	O1	
		C (73)		138	250	47	INCL	(F11,28,31)		OPP	O1	
		E (86)		165	225	43	INCL	(F11,28,31)		OPP	O1	
		J (95)		180	225	43	INCL	(F11,28,31)		OPP	O1	
		O (125)		237	180	34	INCL	(F11,28,31)		OPP	O1	
		R (137)		260	170	32	INCL	(F11,28,31)		OPP	O1	
		S (150)		285	155	29	INCL	(F11,28,31)		OPP	O1	
		T (165)		313	140	27	INCL	(F11,28,31)		OPP	O1	
3800		Z (40)		76	250	47	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	 ↑ 1B
		A (50)		95	250	47	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		B (55)		104	250	47	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		C (73)		138	250	47	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		E (86)		166	225	43	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		J (95)		181	225	43	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		O (125)		237	195	37	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		R (137)		260	180	34	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		S (150)		285	162	31	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
		T (165)		312	148	28	INCL	(F11,28) CLUTCH SHIFT		OPP	O1	
4100		B (57)		103	420	80	INCL	(F11,28)		OPP	O1	 ↑ 1B
		C (70)		127	350	66	INCL	(F11,28)		OPP	O1	
		E (86)		156	285	54	INCL	(F11,28)		OPP	O1	
		J (105)		191	235	44	INCL	(F11,28)		OPP	O1	
4250		Output 1 C (96)		125	355	67	INCL	(F11,25,28)		OPP	O1	 ↑ 1B
		Output 2 B (89)		116	380	72	INCL	(F11,25,28)		OPP	O1	
		Output 1 E (112)		147	300	57	INCL	(F11,25,28)		OPP	O1	
		Output 2 C (104)		135	325	62	INCL	(F11,25,28)		OPP	O1	
		Output 1 J (132)		172	260	49	INCL	(F11,25,28)		OPP	O1	
		Output 2 E (121)		158	280	53	INCL	(F11,25,28)		OPP	O1	
		Output 1 O (168)		220	200	38	INCL	(F11,25,28)		OPP	O1	
		Output 2 J (152)		199	220	42	INCL	(F11,25,28)		OPP	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
6800	Forward (55)		100	150	28	INCL	(F11,28,31)		BOTH	O1		
	Reverse (52)		94	150	28	INCL	(F11,28,31)		BOTH	O1	↑ 1B	
8000	Forward (40)		78	500	95	INCL	(F11,28,31)		BOTH	O1		
	Reverse (50)		93	500	95	INCL	(F11,28,31)		BOTH	O1	↑ 1B	
8500	B (57)		72	500	95	INCL	(F11,28)		OPP	O1		
	C (70)		95	485	92	INCL	(F11,28)		OPP	O1		
	E (86)		113	400	76	INCL	(F11,28)		OPP	O1		
	J (105)		141	325	62	INCL	(F11,28)		OPP	O1		
	O (127)		163	270	51	INCL	(F11,28)		OPP	O1		
	R (137)		179	250	47	INCL	(F11,28)		OPP	O1		
	S (150)		196	225	43	INCL	(F11,28)		OPP	O1		
	T (165)		215	210	40	INCL	(F11,28)		OPP	O1		

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

- F11:** Trucks with setback front axles and direct mount pumps will have better clearance with "3" assembly arrangement. This will also provide better clearance of air tanks on International chassis.
- F25:** Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.
- F6:** Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
- F7:** For vehicles with Spring Hanger interference, use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.
- F28:** Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions, the torque limit is 350 ft-lbs (475 Nm) Maximum unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number 4301417 when installed moves the torque rating for the PTO driver gear to 500 ft-lbs (678 Nm) of torque Maximum. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above DO NOT exceed 350 ft-lbs of torque for any application.
- F31:** For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT9099999

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RTO-610

RTO-613

RTO-6610

RTO-6613

RTO-7613

FUL.54

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		74	250	47	INCL	(F19,20,21,28,31)		OPP	01	
		C (73)		98	250	47	INCL	(F19,20,21,28,31)		OPP	01	
		E (86)		117	225	43	INCL	(F19,20,21,28,31)		OPP	01	
		J (95)		128	225	43	INCL	(F19,20,21,28,31)		OPP	01	
		O (125)		168	195	37	INCL	(F19,20,21,28,31)		OPP	01	
		R (137)		185	180	34	INCL	(F19,20,21,28,31)		OPP	01	
		S (150)		202	162	31	INCL	(F19,20,21,28,31)		OPP	01	
		T (165)		222	148	28	INCL	(F19,20,21,28,31)		OPP	01	
6000		Forward (73)		98	150	28	INCL	(F19,21,28)		BOTH	01	
		Reverse (83)		112	150	28	INCL	(F19,21,28)		BOTH	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		51	250	47	INCL	(F21,28,31)		OPP	01	
		B (55)		74	250	47	INCL	(F21,28,31)		OPP	01	
		C (73)		98	250	47	INCL	(F21,28,31)		OPP	01	
		E (86)		117	225	43	INCL	(F21,28,31)		OPP	01	
		J (95)		128	225	43	INCL	(F21,28,31)		OPP	01	
		O (125)		168	180	34	INCL	(F21,28,31)		OPP	01	
		R (137)		185	170	32	INCL	(F21,28,31)		OPP	01	
		S (150)		202	155	29	INCL	(F21,28,31)		OPP	01	
		T (165)		222	140	27	INCL	(F21,28,31)		OPP	01	
8500		B (57)		51	500	95	INCL	(F21,28)		OPP	01	
		C (70)		68	485	92	INCL	(F21,28)		OPP	01	
		E (86)		81	400	76	INCL	(F21,28)		OPP	01	
		J (105)		100	325	62	INCL	(F21,28)		OPP	01	
		O (127)		116	270	51	INCL	(F21,28)		OPP	01	
		R (137)		127	250	47	INCL	(F21,28)		OPP	01	
		S (150)		139	225	43	INCL	(F21,28)		OPP	01	
		T (165)		153	210	40	INCL	(F21,28)		OPP	01	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

F19: Must use "Shaft-High" assembly arrangement to clear bulge on transmission.

F20: Direct mount pumps will not clear bulge on transmission. Use of adapter will not work.

F21: The maximum allowable output torque for PTO operation on this transmission is 300 lb/ft per EATON.

F31: For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT9099999

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

AT-1202

FUL.55

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		70	250	47	INCL		GA6032	OPP	02	 ↑ 1B
		C (73)		93	250	47	INCL		GA6032	OPP	02	
		E (86)		111	225	43	INCL		GA6032	OPP	02	
		J (95)		121	225	43	INCL		GA6032	OPP	02	
		O (125)		159	195	37	INCL		GA6032	OPP	02	
		R (137)		174	180	34	INCL		GA6032	OPP	02	
		S (150)		191	162	31	INCL		GA6032	OPP	02	
		T (165)		210	148	28	INCL		GA6032	OPP	02	
3200		Z (40)		51	250	47	INCL		GA6032	OPP	02	 ↑ 1B
		A (50)		64	250	47	INCL		GA6032	OPP	02	
		B (55)		70	250	47	INCL		GA6032	OPP	02	
		C (73)		93	250	47	INCL		GA6032	OPP	02	
		E (86)		111	225	43	INCL		GA6032	OPP	02	
		J (95)		122	225	43	INCL		GA6032	OPP	02	
		O (125)		159	195	37	INCL		GA6032	OPP	02	
		R (137)		174	180	34	INCL		GA6032	OPP	02	
		S (150)		191	162	31	INCL		GA6032	OPP	02	
		T (165)		210	148	28	INCL		GA6032	OPP	02	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250	47	INCL			OPP	02	 3T ↓
		B (55)		70	250	47	INCL			OPP	02	
		C (73)		93	250	47	INCL			OPP	02	
		E (86)		111	225	43	INCL			OPP	02	
		J (95)		121	225	43	INCL			OPP	02	
		O (125)		159	180	34	INCL			OPP	02	
		R (137)		174	170	32	INCL			OPP	02	
		S (150)		191	155	29	INCL			OPP	02	
		T (165)		210	140	27	INCL			OPP	02	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RTO-11609P/R
RTO-12609P/R

RTO-13609P/R
RTO-14609P/R

RTX-11609P/R
RTX-12609P/R

RTX-13609P/R
RTX-14609P/R

FUL.56

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		105	250	47	INCL	(F6,7,28,31)		OPP	01	
		C (73)		140	250	47	INCL	(F6,7,28,31)		OPP	01	
		E (86)		166	225	43	INCL	(F6,7,28,31)		OPP	01	
		J (95)		182	225	43	INCL	(F6,7,28,31)		OPP	01	
		O (125)		239	195	37	INCL	(F6,7,28,31)		OPP	01	
		R (137)		262	180	34	INCL	(F6,7,28,31)		OPP	01	
		S (150)		287	162	31	INCL	(F6,7,28,31)		OPP	01	
		T (165)		316	148	28	INCL	(F6,7,28,31)		OPP	01	
3200		Z (40)		77	250	47	INCL	(F6,7,28)		OPP	01	
		A (50)		96	250	47	INCL	(F6,7,28)		OPP	01	
		B (55)		105	250	47	INCL	(F6,7,28)		OPP	01	
		C (73)		140	250	47	INCL	(F6,7,28)		OPP	01	
		E (86)		167	225	43	INCL	(F6,7,28)		OPP	01	
		J (95)		183	225	43	INCL	(F6,7,28)		OPP	01	
		O (125)		239	195	37	INCL	(F6,7,28)		OPP	01	
		R (137)		262	180	34	INCL	(F6,7,28)		OPP	01	
		S (150)		287	162	31	INCL	(F6,7,28)		OPP	01	
6000		Forward (73)		140	150	28	INCL	(F7,28,31)		BOTH	01	
		Reverse (83)		159	150	28	INCL	(F7,28,31)		BOTH	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		96	250	47	INCL	(F11,28,31)		OPP	01	
		B (55)		110	250	47	INCL	(F11,28,31)		OPP	01	
		C (73)		146	250	47	INCL	(F11,28,31)		OPP	01	
		E (86)		174	225	43	INCL	(F11,28,31)		OPP	01	
		J (95)		190	225	43	INCL	(F11,28,31)		OPP	01	
		O (125)		250	180	34	INCL	(F11,28,31)		OPP	01	
		R (137)		274	170	32	INCL	(F11,28,31)		OPP	01	
		S (150)		300	155	29	INCL	(F11,28,31)		OPP	01	
		T (165)		330	140	27	INCL	(F11,28,31)		OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RTO-11609P/R
RTO-12609P/R

RTO-13609P/R
RTO-14609P/R

RTX-11609P/R
RTX-12609P/R

RTX-13609P/R
RTX-14609P/R

FUL.56

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
4100		B (57)		109	420	80	INCL	(F11,28)		OPP	01	 ↑ 1B
		C (70)		134	350	66	INCL	(F11,28)		OPP	01	
		E (86)		164	285	54	INCL	(F11,28)		OPP	01	
		J (105)		201	235	44	INCL	(F11,28)		OPP	01	
4250		Output 1 C (96)		132	355	67	INCL	(F11,25,28)		OPP	01	 ↑ 1B
		Output 2 B (89)		123	380	72	INCL	(F11,25,28)		OPP	01	
		Output 1 E (112)		154	300	57	INCL	(F11,25,28)		OPP	01	
		Output 2 C (104)		143	325	62	INCL	(F11,25,28)		OPP	01	
		Output 1 J (132)		181	260	49	INCL	(F11,25,28)		OPP	01	
		Output 2 E (121)		166	280	53	INCL	(F11,25,28)		OPP	01	
		Output 1 O (168)		231	200	38	INCL	(F11,25,28)		OPP	01	
		Output 2 J (152)		209	220	42	INCL	(F11,25,28)		OPP	01	
6800		Forward (55)		105	150	28	INCL	(F11,28,31)		BOTH	01	 ↑ 1B
		Reverse (52)		99	150	28	INCL	(F11,28,31)		BOTH	01	
8000		Forward (40)		82	500	95	INCL	(F11,28,31)		BOTH	01	 ↑ 1B
		Reverse (50)		98	500	95	INCL	(F11,28,31)		BOTH	01	
8500		B (57)		76	500	95	INCL	(F11,28)		OPP	01	 ↑ 1B
		C (70)		100	485	92	INCL	(F11,28)		OPP	01	
		E (86)		119	400	76	INCL	(F11,28)		OPP	01	
		J (105)		148	325	62	INCL	(F11,28)		OPP	01	
		O (127)		172	270	51	INCL	(F11,28)		OPP	01	
		R (137)		188	250	47	INCL	(F11,28)		OPP	01	
		S (150)		206	225	43	INCL	(F11,28)		OPP	01	
		T (165)		227	210	40	INCL	(F11,28)		OPP	01	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

F11: Trucks with setback front axles and direct mount pumps will have better clearance with "3" assembly arrangement. This will also provide better clearance of air tanks on International chassis.

F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.

F6: Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.

F7: For vehicles with Spring Hanger interference, use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.

F28: Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions, the torque limit is 350 ft-lbs (475 Nm) Maximum unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number 4301417 when installed moves the torque rating for the PTO driver gear to 500 ft-lbs (678 Nm) of torque Maximum. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above DO NOT exceed 350 ft-lbs of torque for any application.

F31: For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT9099999

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FO-14E308LL-VCS
FO-16E308LL-VCS

RTO-10910B-DM2/DM3 RTO-14910B-DM2/DM3
RTO-12910B-DM2/DM3 RTO-16910B-DM2/DM3

RTOM-16910B-DM3

FUL.57

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		106	250	47	INCL	(F6,7,8,9,28,31)		OPP	01	
		C (73)		141	250	47	INCL	(F6,7,8,9,28,31)		OPP	01	
		E (86)		168	225	43	INCL	(F6,7,8,9,28,31)		OPP	01	
		J (95)		183	225	43	INCL	(F6,7,8,9,28,31)		OPP	01	
		O (125)		241	195	37	INCL	(F6,7,8,9,28,31)		OPP	01	
		R (137)		265	180	34	INCL	(F6,7,8,9,28,31)		OPP	01	
		S (150)		290	162	31	INCL	(F6,7,8,9,28,31)		OPP	01	
		T (165)		319	148	28	INCL	(F6,7,8,9,28,31)		OPP	01	
3200		Z (40)		77	250	47	INCL	(F6,7,8,9,28)		OPP	01	
		A (50)		97	250	47	INCL	(F6,7,8,9,28)		OPP	01	
		B (55)		106	250	47	INCL	(F6,7,8,9,28)		OPP	01	
		C (73)		141	250	47	INCL	(F6,7,8,9,28)		OPP	01	
		E (86)		169	225	43	INCL	(F6,7,8,9,28)		OPP	01	
		J (95)		185	225	43	INCL	(F6,7,8,9,28)		OPP	01	
		O (125)		241	195	37	INCL	(F6,7,8,9,28)		OPP	01	
		R (137)		264	180	34	INCL	(F6,7,8,9,28)		OPP	01	
		S (150)		290	162	31	INCL	(F6,7,8,9,28)		OPP	01	
		T (165)		318	148	28	INCL	(F6,7,8,9,28)		OPP	01	
6000		Forward (73)		141	150	28	INCL	(F6,7,8,9,28,31)		BOTH	01	
		Reverse (83)		160	150	28	INCL	(F6,7,8,9,28,31)		BOTH	01	
CONTINUES →												

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FO-14E308LL-VCS
FO-16E308LL-VCS

RTO-10910B-DM2/DM3
RTO-12910B-DM2/DM3

RTO-14910B-DM2/DM3
RTO-16910B-DM2/DM3

RTOM-16910B-DM3

FUL.57

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250	47	INCL	(F8,9,11,28,31)		OPP	01	 ↑ 1B
		B (55)		111	250	47	INCL	(F8,9,11,28,31)		OPP	01	
		C (73)		147	250	47	INCL	(F8,9,11,28,31)		OPP	01	
		E (86)		175	225	43	INCL	(F8,9,11,28,31)		OPP	01	
		J (95)		192	225	43	INCL	(F8,9,11,28,31)		OPP	01	
		O (125)		252	180	34	INCL	(F8,9,11,28,31)		OPP	01	
		R (137)		276	170	32	INCL	(F8,9,11,28,31)		OPP	01	
		S (150)		303	155	29	INCL	(F8,9,11,28,31)		OPP	01	
		T (165)		333	140	27	INCL	(F8,9,11,28,31)		OPP	01	
4100		B (57)		110	420	80	INCL	(F8,9,11,28)		OPP	01	 ↑ 1B
		C (70)		135	350	66	INCL	(F8,9,11,28)		OPP	01	
		E (86)		166	285	54	INCL	(F8,9,11,28)		OPP	01	
		J (105)		203	235	44	INCL	(F8,9,11,28)		OPP	01	
4250		Output 1 C (96)		133	355	67	INCL	(F8,9,11,25,28)		OPP	01	 ↑ 1B
		Output 2 B (89)		124	380	72	INCL	(F8,9,11,25,28)		OPP	01	
		Output 1 E (112)		156	300	57	INCL	(F8,9,11,25,28)		OPP	01	
		Output 2 C (104)		144	325	62	INCL	(F8,9,11,25,28)		OPP	01	
		Output 1 J (132)		183	260	49	INCL	(F8,9,11,25,28)		OPP	01	
		Output 2 E (121)		168	280	53	INCL	(F8,9,11,25,28)		OPP	01	
		Output 1 O (168)		234	200	38	INCL	(F8,9,11,25,28)		OPP	01	
		Output 2 J (152)		211	220	42	INCL	(F8,9,11,25,28)		OPP	01	
6800		Forward (55)		106	150	28	INCL	(F8,9,11,28,31)		BOTH	01	 ↑ 1B
		Reverse (52)		100	150	28	INCL	(F8,9,11,28,31)		BOTH	01	
8000		Forward (40)		83	500	95	INCL	(F8,9,11,28,31)		BOTH	01	 ↑ 1B
		Reverse (50)		99	500	95	INCL	(F8,9,11,28,31)		BOTH	01	
CONTINUES →												

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FO-14E308LL-VCS
FO-16E308LL-VCS

RTO-10910B-DM2/DM3
RTO-12910B-DM2/DM3

RTO-14910B-DM2/DM3
RTO-16910B-DM2/DM3

RTOM-16910B-DM3

FUL.57

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
8500		B (57)		76	500	95	INCL	(F8,9,11,28)		OPP	01	 ↑ 1B
		C (70)		101	485	92	INCL	(F8,9,11,28)		OPP	01	
		E (86)		121	400	76	INCL	(F8,9,11,28)		OPP	01	
		J (105)		150	325	62	INCL	(F8,9,11,28)		OPP	01	
		O (127)		173	270	51	INCL	(F8,9,11,28)		OPP	01	
		R (137)		190	250	47	INCL	(F8,9,11,28)		OPP	01	
		S (150)		208	225	43	INCL	(F8,9,11,28)		OPP	01	
		T (165)		229	210	40	INCL	(F8,9,11,28)		OPP	01	
		T (165)		333	140	27	INCL	(F8,9,11,28)		OPP	01	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

- FOOT NOTES:**
- F6:** Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
 - F7:** For vehicles with Spring Hanger interference, use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.
 - F8:** PTO must be wired through the transmission controller per Eaton instructions.
 - F9:** Engine Speed must be advanced to 1000 RPM for PTO operation. PTO will not activate below this speed.
 - F11:** Trucks with setback front axles and direct mount pumps will have better clearance with "3" assembly arrangement. This will also provide better clearance of air tanks on International chassis.
 - F25:** Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.
 - F28:** Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions, the torque limit is 350 ft-lbs (475 Nm) Maximum unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number 4301417 when installed moves the torque rating for the PTO driver gear to 500 ft-lbs (678 Nm) of torque Maximum. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above DO NOT exceed 350 ft-lbs of torque for any application.
 - F31:** For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT9099999

Eaton Fuller

RTAO-10710B-AC/AS
RTAO-12710B-AC/AS
RTAO-14710B-AC/AS
RTAO-16710B-AC/AS
RTO-10710B-AS/AS2
RTO-10910B-AS2/AS3
RTO-11509
RTO-11608LL
RTO-11609A
RTO-11708LL
RTO-11710B
RTO-11908LL
RTO-12509

RTO-1258LL
RTO-12609A
RTO-12710B/B-AS2
RTO-12910B-AS2/AS3
RTO-13609A
RTO-13710B
RTO-14608LL
RTO-14609A
RTO-14708LL
RTO-14709A
RTO-14710B/B-AS2
RTO-14908LL
RTO-14910B/B-AS2/

B-AS3
RTO-15708LL
RTO-15710B
RTO-16710B/B-AS2
RTO-16908LL
RTO-16910B/B-AS/B-AS2/B-AS3
RTO-18910B-AS2/AS3
RTO-909A
RTO-9509A
RTO-958LL
RTOF-909A
RTOF-9509A

RTOX-11609A
RTX-11609A
RTX-11708LL
RTX-11710B
RTX-12710B
RTX-13710B
RTX-14609A
RTX-14708LL
RTX-14710B
RTX-15710B
RTX-16710B
TO-955LL

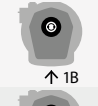
FUL.58

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		106	250	47	INCL	(F6,7,28,31)		OPP	01	
		C (73)		141	250	47	INCL	(F6,7,28,31)		OPP	01	
		E (86)		168	225	43	INCL	(F6,7,28,31)		OPP	01	
		J (95)		183	225	43	INCL	(F6,7,28,31)		OPP	01	
		O (125)		241	195	37	INCL	(F6,7,28,31)		OPP	01	
		R (137)		265	180	34	INCL	(F6,7,28,31)		OPP	01	
		S (150)		290	162	31	INCL	(F6,7,28,31)		OPP	01	
		T (165)		319	148	28	INCL	(F6,7,28,31)		OPP	01	
3200		Z (40)		77	250	47	INCL	(F6,7,28)		OPP	01	
		A (50)		97	250	47	INCL	(F6,7,28)		OPP	01	
		B (55)		106	250	47	INCL	(F6,7,28)		OPP	01	
		C (73)		141	250	47	INCL	(F6,7,28)		OPP	01	
		E (86)		169	225	43	INCL	(F6,7,28)		OPP	01	
		J (95)		185	225	43	INCL	(F6,7,28)		OPP	01	
		O (125)		241	195	37	INCL	(F6,7,28)		OPP	01	
		R (137)		264	180	34	INCL	(F6,7,28)		OPP	01	
		S (150)		290	162	31	INCL	(F6,7,28)		OPP	01	
6000		T (165)		318	148	28	INCL	(F6,7,28)		OPP	01	
		Forward (73)		141	150	28	INCL	(F7,28,31)		BOTH	01	
		Reverse (83)		160	150	28	INCL	(F7,28,31)		BOTH	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		96	250	47	INCL	(F11,28,31)		OPP	01	
		B (55)		111	250	47	INCL	(F11,28,31)		OPP	01	
		C (73)		147	250	47	INCL	(F11,28,31)		OPP	01	
		E (86)		175	225	43	INCL	(F11,28,31)		OPP	01	
		J (95)		192	225	43	INCL	(F11,28,31)		OPP	01	
		O (125)		252	180	34	INCL	(F11,28,31)		OPP	01	
		R (137)		276	170	32	INCL	(F11,28,31)		OPP	01	
		S (150)		303	155	29	INCL	(F11,28,31)		OPP	01	
		T (165)		333	140	27	INCL	(F11,28,31)		OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
4100		B (57)		110	420	80	INCL	(F11,28)		OPP	01	 ↑ 1B
		C (70)		135	350	66	INCL	(F11,28)		OPP	01	
		E (86)		166	285	54	INCL	(F11,28)		OPP	01	
		J (105)		203	235	44	INCL	(F11,28)		OPP	01	
4250	Output 1	C (96)		133	355	67	INCL	(F11,25,28)		OPP	01	 ↑ 1B
	Output 2	B (89)		124	380	72	INCL	(F11,25,28)		OPP	01	
	Output 1	E (112)		156	300	57	INCL	(F11,25,28)		OPP	01	
	Output 2	C (104)		144	325	62	INCL	(F11,25,28)		OPP	01	
	Output 1	J (132)		183	260	49	INCL	(F11,25,28)		OPP	01	
	Output 2	E (121)		168	280	53	INCL	(F11,25,28)		OPP	01	
	Output 1	O (168)		234	200	38	INCL	(F11,25,28)		OPP	01	
	Output 2	J (152)		211	220	42	INCL	(F11,25,28)		OPP	01	
6800	Forward (55)		106	150	28	INCL	(F11,28,31)		BOTH	01	 ↑ 1B	
	Reverse (52)		100	150	28	INCL	(F11,28,31)		BOTH	01		
8000	Forward (40)		83	500	95	INCL	(F11,28,31)		BOTH	01	 ↑ 1B	
	Reverse (50)		99	500	95	INCL	(F11,28,31)		BOTH	01		
8500		B (57)		76	500	95	INCL	(F11,28)		OPP	01	 ↑ 1B
		C (70)		101	485	92	INCL	(F11,28)		OPP	01	
		E (86)		121	400	76	INCL	(F11,28)		OPP	01	
		J (105)		150	325	62	INCL	(F11,28)		OPP	01	
		O (127)		173	270	51	INCL	(F11,28)		OPP	01	
		R (137)		190	250	47	INCL	(F11,28)		OPP	01	
		S (150)		208	225	43	INCL	(F11,28)		OPP	01	

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

F11: Trucks with setback front axles and direct mount pumps will have better clearance with "3" assembly arrangement. This will also provide better clearance of air tanks on International chassis.

F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.

F6: Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.

F7: For vehicles with Spring Hanger interference, use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.

F28: Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all RT/RTLO transmissions, the torque limit is 350 ft-lbs (475 Nm) Maximum unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number 4301417 when installed moves the torque rating for the PTO driver gear to 500 ft-lbs (678 Nm) of torque Maximum. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above DO NOT exceed 350 ft-lbs of torque for any application.

F31: For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT909999

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RTO-11109A-AT
RTO-12109A-AT

RTO-13109A-AT
RTO-14109A-AT

RTO-16109A-AT
RTO-9109A-AT

FUL.59

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		106	250	47	INCL	(F6,17,28,31)		OPP	01	
		C (73)		141	250	47	INCL	(F6,17,28,31)		OPP	01	
		E (86)		168	225	43	INCL	(F6,17,28,31)		OPP	01	
		J (95)		183	225	43	INCL	(F6,17,28,31)		OPP	01	
		O (125)		241	195	37	INCL	(F6,17,28,31)		OPP	01	
		R (137)		265	180	34	INCL	(F6,17,28,31)		OPP	01	
		S (150)		290	162	31	INCL	(F6,17,28,31)		OPP	01	
		T (165)		319	148	28	INCL	(F6,17,28,31)		OPP	01	
3200		Z (40)		77	250	47	INCL	(F6,17,28)		OPP	01	
		A (50)		97	250	47	INCL	(F6,17,28)		OPP	01	
		B (55)		106	250	47	INCL	(F6,17,28)		OPP	01	
		C (73)		141	250	47	INCL	(F6,17,28)		OPP	01	
		E (86)		169	225	43	INCL	(F6,17,28)		OPP	01	
		J (95)		185	225	43	INCL	(F6,17,28)		OPP	01	
		O (125)		241	195	37	INCL	(F6,17,28)		OPP	01	
		R (137)		264	180	34	INCL	(F6,17,28)		OPP	01	
		S (150)		290	162	31	INCL	(F6,17,28)		OPP	01	
6000		Forward (73)		141	150	28	INCL	(F17,28,31)		BOTH	01	
		Reverse (83)		160	150	28	INCL	(F17,28,31)		BOTH	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		95	250	47	INCL	(F17,18,28,31)		OPP	01	
		B (55)		111	250	47	INCL	(F17,18,28,31)		OPP	01	
		C (73)		147	250	47	INCL	(F17,18,28,31)		OPP	01	
		E (86)		175	225	43	INCL	(F17,18,28,31)		OPP	01	
		J (95)		192	225	43	INCL	(F17,18,28,31)		OPP	01	
		O (125)		252	180	34	INCL	(F17,18,28,31)		OPP	01	
		R (137)		276	170	32	INCL	(F17,18,28,31)		OPP	01	
		S (150)		303	155	29	INCL	(F17,18,28,31)		OPP	01	
		T (165)		333	140	27	INCL	(F17,18,28,31)		OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

RTO-11109A-AT
RTO-12109A-AT

RTO-13109A-AT
RTO-14109A-AT

RTO-16109A-AT
RTO-9109A-AT

FUL.59

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy		
← CONTINUES														
4100		B (57)		110	420	80	INCL	(F17,18,28)		OPP	01	 ↑ 1B		
		C (70)		135	350	66	INCL	(F17,18,28)		OPP	01			
		E (86)		166	285	54	INCL	(F17,18,28)		OPP	01			
		J (105)		203	235	44	INCL	(F17,18,28)		OPP	01			
4250		Output 1 C (96)		133	355	67	INCL	(F17,18,25,28)		OPP	01	 ↑ 1B		
		Output 2 B (89)		124	380	72	INCL	(F17,18,25,28)		OPP	01			
		Output 1 E (112)		156	300	57	INCL	(F17,18,25,28)		OPP	01			
		Output 2 C (104)		144	325	62	INCL	(F17,18,25,28)		OPP	01			
		Output 1 J (132)		183	260	49	INCL	(F17,18,25,28)		OPP	01			
		Output 2 E (121)		168	280	53	INCL	(F17,18,25,28)		OPP	01			
		Output 1 O (168)		234	200	38	INCL	(F17,18,25,28)		OPP	01			
		Output 2 J (152)		211	220	42	INCL	(F17,18,25,28)		OPP	01			
	6800		Forward (55)		106	150	28	INCL	(F17,18,28,31)		BOTH		01	 ↑ 1B
			Reverse (52)		100	150	28	INCL	(F17,18,28,31)		BOTH		01	
8000		Forward (40)		83	500	95	INCL	(F17,18,28,31)		BOTH	01	 ↑ 1B		
		Reverse (50)		99	500	95	INCL	(F17,18,28,31)		BOTH	01			
8500		B (57)		76	500	95	INCL	(F17,18,28)		OPP	01	 ↑ 1B		
		C (70)		101	485	92	INCL	(F17,18,28)		OPP	01			
		E (86)		121	400	76	INCL	(F17,18,28)		OPP	01			
		J (105)		150	325	62	INCL	(F17,18,28)		OPP	01			
		O (127)		173	270	51	INCL	(F17,18,28)		OPP	01			
		R (137)		190	250	47	INCL	(F17,18,28)		OPP	01			
		S (150)		208	225	43	INCL	(F17,18,28)		OPP	01			
		T (165)		229	210	40	INCL	(F17,18,28)		OPP	01			

CAUTION:

Eaton Transmission Division has established a **Maximum Torque Limit** for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions the torque limit is **350 ft-lbs (475 Nm) Maximum** unless the transmission has been upgraded to a roller type input shaft bearing.

The Eaton part number **4301417** when installed moves the torque rating for the PTO driver gear to **500 ft-lbs (678 Nm) of torque Maximum**. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above

DO NOT exceed 350 ft-lbs of torque for any application.

FOOT NOTES:

F17: Speeds shown are with transmission torque converter in lock up condition.

F18: This opening is not usable if transmission is equipped with optional low profile oil pan.

F25: Do not exceed maximum torque and power shown in Output 2 when both outputs are working simultaneously.

F6: Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.

F28: Caution: Eaton Transmission Division has established a Maximum Torque Limit for the transmission PTO driver gear. For all RT/RTO/RTLO transmissions, the torque limit is 350 ft-lbs (475 Nm) Maximum unless the transmission has been upgraded to a roller type input shaft bearing. The Eaton part number 4301417 when installed moves the torque rating for the PTO driver gear to 500 ft-lbs (678 Nm) of torque Maximum. All torque limits listed in the BZ application book are intermediate ratings. If the transmission has not been upgraded as described above DO NOT exceed 350 ft-lbs of torque for any application.

F31: For all Transmissions that are wired to J1939 protocol it is recommended to switch number PT9099999

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FO-6406A-ASX/AW3

FO-8406A-ASX/AW3

FUL.61

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		74	250	47	S7	(F3)	GA6032/6500S	OPP	28	
		C (73)		98	250	47	S7	(F3)	GA6032/6500S	OPP	28	
		E (86)		117	225	43	S7	(F3)	GA6032/6500S	OPP	28	
		J (95)		127	225	43	S7	(F3)	GA6032/6500S	OPP	28	
		O (125)		168	195	37	S7	(F3)	GA6032/6500S	OPP	28	
		R (137)		184	180	34	S7	(F3)	GA6032/6500S	OPP	28	
		S (150)		201	162	31	S7	(F3)	GA6032/6500S	OPP	28	
		T (165)		221	148	28	S7	(F3)	GA6032/6500S	OPP	28	
3200		Z (40)		54	250	47	S7	(F3)	GA6032/6500S	OPP	28	
		A (50)		67	250	47	S7	(F3)	GA6032/6500S	OPP	28	
		B (55)		74	250	47	S7	(F3)	GA6032/6500S	OPP	28	
		C (73)		98	250	47	S7	(F3)	GA6032/6500S	OPP	28	
		E (86)		117	225	43	S7	(F3)	GA6032/6500S	OPP	28	
		J (95)		128	225	43	S7	(F3)	GA6032/6500S	OPP	28	
		O (125)		168	195	37	S7	(F3)	GA6032/6500S	OPP	28	
		R (137)		183	180	34	S7	(F3)	GA6032/6500S	OPP	28	
		S (150)		201	162	31	S7	(F3)	GA6032/6500S	OPP	28	
		T (165)		221	148	28	S7	(F3)	GA6032/6500S	OPP	28	
6000		Forward (73)		98	150	28	INCL	(F3)	GA6032/6500S	BOTH	28	
		Reverse (83)		111	150	28	INCL	(F3)	GA6032/6500S	BOTH	28	

FOOT NOTES:

F3: AW3 & DM3 Transmission Codes require PTO connection to TCM per Eaton. Engine Speeds above 1000 RPM are required for PTO operation on code DM3.

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

FO-16D313E-LEP

FOM-16D313E-LEP

FUL.62

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		89	250	47	INCL	(F6,7,8,9)		OPP	01	
		C (73)		118	250	47	INCL	(F6,7,8,9)		OPP	01	
		E (86)		141	225	43	INCL	(F6,7,8,9)		OPP	01	
		J (95)		154	225	43	INCL	(F6,7,8,9)		OPP	01	
		O (125)		202	195	37	INCL	(F6,7,8,9)		OPP	01	
		R (137)		221	180	34	INCL	(F6,7,8,9)		OPP	01	
		S (150)		242	162	31	INCL	(F6,7,8,9)		OPP	01	
		T (165)		267	148	28	INCL	(F6,7,8,9)		OPP	01	
3200		Z (40)		65	250	47	INCL	(F6,7,8,9)		OPP	01	
		A (50)		81	250	47	INCL	(F6,7,8,9)		OPP	01	
		B (55)		89	250	47	INCL	(F6,7,8,9)		OPP	01	
		C (73)		118	250	47	INCL	(F6,7,8,9)		OPP	01	
		E (86)		141	225	43	INCL	(F6,7,8,9)		OPP	01	
		J (95)		155	225	43	INCL	(F6,7,8,9)		OPP	01	
		O (125)		202	195	37	INCL	(F6,7,8,9)		OPP	01	
		R (137)		221	180	34	INCL	(F6,7,8,9)		OPP	01	
		S (150)		242	162	31	INCL	(F6,7,8,9)		OPP	01	
		T (165)		266	148	28	INCL	(F6,7,8,9)		OPP	01	
6000		Forward (73)		118	150	28	INCL	(F8,9)		BOTH	01	
		Reverse (83)		134	150	28	INCL	(F8,9)		BOTH	01	

FOOT NOTES:

- F13:** Eaton Ultra Shift has an inertia brake attached to the bottom of this transmission. Using a 6 bolt adapter it can be moved to the right side opening of the transmission. Eaton Ultra Shift Plus has an inertia brake which allows the use of both bottom and right side PTO apertures.
- F6:** Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
- F7:** For vehicles with Spring Hanger interference, use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter changes PTO output rotation.
- F8:** PTO must be wired through the transmission controller per Eaton instructions.
- F9:** Engine Speed must be advanced to 1000 RPM for PTO operation. PTO will not activate below this speed.

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

ET-16109
ET-16110
ET-18109
ET-18110

ET-20109
ET-20110
ETS-16409
ETS-16410

ETS-18409
ETS-18410
ETS-20409
ETS-20410

FTS-16108LL
FTS-16109A
FTS-18108LL
FTS-18109A

FTS-20108LL
FTS-20109A
RTS-11909A

FUL.63

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		59	250	47	INCL	METRIC STUD KIT		OPP	72	
		C (73)		78	250	47	INCL	METRIC STUD KIT		OPP	72	
		E (86)		93	225	43	INCL	METRIC STUD KIT		OPP	72	
		J (95)		102	225	43	INCL	METRIC STUD KIT		OPP	72	
		O (125)		134	195	37	INCL	METRIC STUD KIT		OPP	72	
		R (137)			180	34	INCL	METRIC STUD KIT		OPP	72	
		S (150)			162	31	INCL	METRIC STUD KIT		OPP	72	
		T (165)			148	28	INCL	METRIC STUD KIT		OPP	72	
3200		Z (40)		43	250	47	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		A (50)		53	250	47	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		B (55)		59	250	47	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		C (73)		78	250	47	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		E (86)		93	225	43	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		J (95)		102	225	43	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		O (125)		134	195	37	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		R (137)			180	34	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		S (150)			162	31	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		T (165)			148	28	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
6000		Forward (73)		78	150	28	INCL	METRIC STUD KIT		BOTH	72	
		Reverse (83)		89	150	28	INCL	METRIC STUD KIT		BOTH	72	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1217203		E (86)		90	468	89	INCL	METRIC STUD KIT		OPP	72	 ↑ 2B

For complete part numbers, consult the PTO Series section (page 25)



Eaton Fuller

ET-16113
ET-18113

ET-20113
ETS-16413

ETS-18413
ETS-20413

FTS-16112L
FTS-18112L

FTS-20112L
RTS-11912L

FUL.64

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		70	250	47	INCL	METRIC STUD KIT		OPP	72	
		C (73)		93	250	47	INCL	METRIC STUD KIT		OPP	72	
		E (86)		110	225	43	INCL	METRIC STUD KIT		OPP	72	
		J (95)		120	225	43	INCL	METRIC STUD KIT		OPP	72	
		O (125)		158	195	37	INCL	METRIC STUD KIT		OPP	72	
		R (137)			180	34	INCL	METRIC STUD KIT		OPP	72	
		S (150)			162	31	INCL	METRIC STUD KIT		OPP	72	
		T (165)			148	28	INCL	METRIC STUD KIT		OPP	72	
3200		Z (40)		51	250	47	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		A (50)		63	250	47	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		B (55)		70	250	47	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		C (73)		93	250	47	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		E (86)		110	225	43	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		J (95)		120	225	43	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		O (125)		158	195	37	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		R (137)			180	34	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		S (150)			162	31	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
		T (165)			148	28	INCL	METRIC STUD KIT CLUTCH SHIFT		OPP	72	
6000		Forward -73		93	150	28	INCL	METRIC STUD KIT		BOTH	72	
		Reverse -83		105	150	28	INCL	METRIC STUD KIT		BOTH	72	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1217303		E (86)		100	468	89	INCL	METRIC STUD KIT		OPP	72	

For complete part numbers, consult the PTO Series section (page 25)

Eaton Fuller

F-5406B-DM3

FO-5406B-DM3

FO-6406A-ASW

FO-8406A-ASW

FUL.65

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		74	250	47	S7	(F3)	GA6032/6500S	OPP	28	
		C (73)		98	250	47	S7	(F3)	GA6032/6500S	OPP	28	
		E (86)		117	225	43	S7	(F3)	GA6032/6500S	OPP	28	
		J (95)		127	225	43	S7	(F3)	GA6032/6500S	OPP	28	
		O (125)		168	195	37	S7	(F3)	GA6032/6500S	OPP	28	
		R (137)		184	180	34	S7	(F3)	GA6032/6500S	OPP	28	
		S (150)		201	162	31	S7	(F3)	GA6032/6500S	OPP	28	
		T (165)		221	148	28	S7	(F3)	GA6032/6500S	OPP	28	
3200		Z (40)		54	250	47	S7	(F3) CLUTCH SHIFT	GA6032/6500S	OPP	28	
		A (50)		67	250	47	S7	(F3) CLUTCH SHIFT	GA6032/6500S	OPP	28	
		B (55)		74	250	47	S7	(F3) CLUTCH SHIFT	GA6032/6500S	OPP	28	
		C (73)		98	250	47	S7	(F3) CLUTCH SHIFT	GA6032/6500S	OPP	28	
		E (86)		117	225	43	S7	(F3) CLUTCH SHIFT	GA6032/6500S	OPP	28	
		J (95)		128	225	43	S7	(F3) CLUTCH SHIFT	GA6032/6500S	OPP	28	
		O (125)		168	195	37	S7	(F3) CLUTCH SHIFT	GA6032/6500S	OPP	28	
		R (137)		183	180	34	S7	(F3) CLUTCH SHIFT	GA6032/6500S	OPP	28	
		S (150)		201	162	31	S7	(F3) CLUTCH SHIFT	GA6032/6500S	OPP	28	
		T (165)		221	148	28	S7	(F3) CLUTCH SHIFT	GA6032/6500S	OPP	28	
6000		Forward (73)		98	150	28	INCL	(F3)	GA6032/6500S	BOTH	28	
		Reverse (83)		111	150	28	INCL	(F3)	GA6032/6500S	BOTH	28	

FOOT NOTES:

F3 - AW3 & DM3 Transmission Codes require PTO connection to TCM per Eaton. Engine Speeds above 1000 RPM are required for PTO operation on code DM3.

For complete part numbers, consult the PTO Series section (page 25)



6R140 Torqshift 4x2 OR 4x4 (2011 & Later)

FRD.02

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
3920		E (83)		125	200	23	INCL	(FD1,2)		OPP	71	

10R140 Torqshift 10 Speed (2020 & Later)

FRD.03

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
3940		O (115)		130	230	44	INCL	(FD3,4)		OPP	78	

FD1: Minimum Engine Speed for PTO Operation is 1200 RPM.

FD2: Direct Mount Pump Input is limited to SAE A flange.

FD3: Direct Mount Pump ISO-DIN as Standard. On 4x4 chassis only 8.4 GPM, and smaller DIN FR series bent axis piston pumps will fit. On all 4x4 applications with direct mount pumps, please verify clearances to the forward driveshaft, and or any other moving components taking into consideration movement once truck is in service. On 4x2 chassis only 15.8 GPM, and smaller DIN FR series bent axis piston pumps will fit.

FD4: Data shown for stationary mode.

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
3960		O (122)		130	260	50	INCL	(FD4)		OPP	78	3L → 

FD4: Data shown for stationary mode.

////////// For complete part numbers, consult the PTO Series section (page 25) //////////// Conversion Kits ////////////

Pto Series

Internal Ratio

Input Gear

Output Type

3940

P

O

E

78

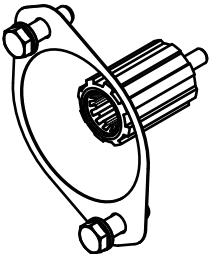
3

DA

Lube

Shifting

Assy



Conversion kits
P/N 806635 - SAE A 3/4" 11T
P/N 806735 - SAE A 5/8" 9T
P/N 806835 - SAE A 7/8" 13T

Mack Index

Transmission Model	Pag.	Transmission Model	Pag.	Transmission Model	Pag.
107	273	T-318L Rear	288	TMD-12AFO-HD	299
1070	275	T-318LR Front	283	TMD-12AO	299
1071	275	T-318LR Rear	288	TMD-12AO-HD	299
1076	275	T-1060A	277	TMD-12AO-HDX	299
1078	275	T-1070	297	TMD-13AD	298
2090	283	T-1070B	297	TMD-13AFD-HD	298
10760	275	T-2050	289	TMD-13AFO-HD	299
10780	275	T-2050C	290	TMD-13AO	299
D-107	293	T-2060	289	TMD-14AFO-HD	299
T-3 10ME Rear	279	T-2060C	290	TMD-14AFO-HDX	299
T-3 10ME Rear	280	T-2070A Front	289	TMD-14AO	299
T-3 10MLR Rear	279	T-2070A Rear	291	TMD-3112	299
T-3 10MLR Rear	280	T-2070B Front	289	TRDL-107	293
T-3 10M Rear	279	T-2070B Rear	291	TRDL-1070	297
T-3 10M Rear	280	T-2070C Front	290	TRDLG-1070	297
T-105A	277	T-2070C Rear	291	TRDXL-107	275
T-107	293	T-2070D Front	290	TRDXL-1070	275
T-305	289	T-2070D Rear	291	TRDXL-1071	275
T-306	289	T-2070F	289	TRDXL-1078	275
T-307 Front	289	T-2070 Front	289	TRDXL-10780	275
T-307M Front	289	T-2070 Rear	291	TRDXL-10781	275
T-307M Rear	291	T-2080	289	TRL-107	273
T-307 Rear	291	T-2080B Front	289	TRL-1076	275
T-308	289	T-2080B Rear	291	TRL-1078	275
T-308M Front	289	T-2080C	290	TRL-10760	275
T-308M Rear	291	T-2080D Front	290	TRL-10780	275
T-309	283	T-2080D Rear	291	TRTXL-107	293
T-309L	283	T-2090	283	TRTXL-1070	297
T-309LR	283	T-2090L	283	TRTXL-1070B	297
T-310	284	T-2110B Rear	278	TRX-107	293
T-310ME Front	284	T-2130B Front	283	TRXL-107	293
T-310M Front	284	T-2130B Rear	286	TRXL-107A	293
T-310MLR Front	283	T-2130 Front	283	TRXL-1070	295
T-313 Front	283	T-2130 Rear	286	TRXL-1070A	295
T-313L21 Front	283	T-2180B Front	283	TRXL-1071	293
T-313L21 Rear	288	T-2180B Rear	286	TRXL-1071A	293
T-313L Front	283	T-2180 Front	283	TRXL-1076	275
T-313LR21 Front	283	T-2180 Rear	286	TRXL-1078	293
T-313LR21 Rear	288	T-31321 Front	283	TRXL-10710	295
T-313L Rear	288	T-31821 Front	283	X-107	293
T-313LR Front	283	TM-308	285	X-107A	293
T-313LR Rear	288	TM-308M Front	283	X-1070	295
T-318 Front	283	TM-308M Rear	281	X-1070A	295
T-318L21 Front	283	TM-309	285	X-1071	293
T-318L21 Rear	288	TM-309M Front	283	X-1071A	293
T-318L Front	283	TM-309M Rear	281	X-10710	295
T-318LR21 Front	283	TMD-12AD	298	X-10710A	295
T-318LR21 Rear	288	TMD-12AFO	299		

EXAMPLE:

Pto Series	Internal Ratio	Input Gear	Output Type
1000	X	C	N
		01	1
			RA
	Lube	Shifting	Assy

107

TRL-107

MCK.01

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		43	250	49	INCL	(MK4)	AD530-1X	ENG	O1	
		C (73)		58	250	49	INCL	(MK4)	AD530-1X	ENG	O1	
		E (86)		69	225	44	INCL	(MK4)	AD530-1X	ENG	O1	
		J (95)		75	225	44	INCL	(MK4)	AD530-1X	ENG	O1	
		O (125)		99	200	39	INCL	(MK4)	AD530-1X	ENG	O1	
		R (137)		108	200	39	INCL	(MK4)	AD530-1X	ENG	O1	
		S (150)		118	190	37	INCL	(MK4)	AD530-1X	ENG	O1	
		T (165)		130	175	34	INCL	(MK4)	AD530-1X	ENG	O1	
3200		Z (40)		32	250	49	INCL	(MK4) CLUTCH SHIFT	AD530-1X	ENG	O1	
		A (50)		39	250	49	INCL	(MK4) CLUTCH SHIFT	AD530-1X	ENG	O1	
		B (55)		43	250	49	INCL	(MK4) CLUTCH SHIFT	AD530-1X	ENG	O1	
		C (73)		58	250	49	INCL	(MK4) CLUTCH SHIFT	AD530-1X	ENG	O1	
		E (86)		69	225	44	INCL	(MK4) CLUTCH SHIFT	AD530-1X	ENG	O1	
		J (95)		75	225	44	INCL	(MK4) CLUTCH SHIFT	AD530-1X	ENG	O1	
		O (125)		99	200	39	INCL	(MK4) CLUTCH SHIFT	AD530-1X	ENG	O1	
		R (137)		108	200	39	INCL	(MK4) CLUTCH SHIFT	AD530-1X	ENG	O1	
		S (150)		118	190	37	INCL	(MK4) CLUTCH SHIFT	AD530-1X	ENG	O1	
		T (165)		130	175	34	INCL	(MK4) CLUTCH SHIFT	AD530-1X	ENG	O1	
6000		Forward (73)		58	150	30	INCL	(MK4)	AD530-1X	BOTH	O1	
		Reverse (-83)		65	150	30	INCL	(MK4)	AD530-1X	BOTH	O1	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		39	250	49	INCL			OPP	O1	
		B (55)		43	250	49	INCL			OPP	O1	
		C (73)		58	250	49	INCL			OPP	O1	
		E (86)		69	225	44	INCL			OPP	O1	
		J (95)		75	225	44	INCL			OPP	O1	
		O (125)		99	200	39	INCL			OPP	O1	
		R (137)		108	200	39	INCL			OPP	O1	
		S (150)		118	190	37	INCL			OPP	O1	
		T (165)		130	175	34	INCL			OPP	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
3800		Z (40)		32	250	49	INCL	(MK) CLUTCH SHIFT		OPP	O1	3L 
		A (50)		39	250	49	INCL	(MK) CLUTCH SHIFT		OPP	O1	
		B (55)		43	250	49	INCL	(MK) CLUTCH SHIFT		OPP	O1	
		C (73)		58	250	49	INCL	(MK) CLUTCH SHIFT		OPP	O1	
		E (86)		69	225	44	INCL	(MK) CLUTCH SHIFT		OPP	O1	
		J (95)		75	225	44	INCL	(MK) CLUTCH SHIFT		OPP	O1	
		O (125)		99	200	39	INCL	(MK) CLUTCH SHIFT		OPP	O1	
		R (137)		108	200	39	INCL	(MK) CLUTCH SHIFT		OPP	O1	
		S (150)		118	190	37	INCL	(MK) CLUTCH SHIFT		OPP	O1	
		T (165)		130	175	34	INCL	(MK) CLUTCH SHIFT		OPP	O1	
4100		B (57)		43	450	87	INCL	(MK2)		OPP	O1	3L 
		C (70)		53	470	90	INCL	(MK2)		OPP	O1	
		E (86)		65	470	90	INCL	(MK2)		OPP	O1	
		J (105)		79	400	77	INCL	(MK2)		OPP	O1	
6800		Forward (55)		58	150	30	INCL			BOTH	O1	3L 
		Reverse (-52)		65	150	30	INCL			BOTH	O1	
8000		Forward (40)		33	500	95	INCL			BOTH	O1	3L 
		Reverse (50)		39	500	95	INCL			BOTH	O1	
8500		B (57)		30	500	95	INCL			OPP	O1	3L 
		C (70)		40	500	95	INCL			OPP	O1	
		E (86)		47	480	90	INCL			OPP	O1	
		J (105)		59	450	86	INCL			OPP	O1	
		O (127)		68	400	76	INCL			OPP	O1	
		R (137)		74	360	68	INCL			OPP	O1	
		S (150)		81	320	62	INCL			OPP	O1	
		T (165)		89	280	54	INCL			OPP	O1	

FOOT NOTES:

MK2: Possible internal transmission interference with 4000/4100 Series "J" & "O" ratios. Check before installing PTO.

MK4: PTO should be filled with oil before start-up due to location of PTO opening. Check transmission oil level after initial start-up run.

For complete part numbers, consult the PTO Series section (page 25)

1070
1071
1076

10760
1078
10780

TRDXL-107
TRDXL-1070
TRDXL-1071

TRDXL-1078
TRDXL-10780
TRDXL-10781

TRL-1076
TRL-10760
TRL-1078

TRL-10780
TRXL-1076

MCK.02

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assembly (Rear View)
			Low	High								
1000		B (55)		43	250	49	INCL	(MK4 ,5 ,6 ,7)	AD530-1X	ENG	O1	
		C (73)		58	250	49	INCL	(MK4 ,5 ,6 ,7)	AD530-1X	ENG	O1	
		E (86)		69	225	44	INCL	(MK4 ,5 ,6 ,7)	AD530-1X	ENG	O1	
		J (95)		75	225	44	INCL	(MK4 ,5 ,6 ,7)	AD530-1X	ENG	O1	
		O (125)		99	200	39	INCL	(MK4 ,5 ,6 ,7)	AD530-1X	ENG	O1	
		R (137)		108	200	39	INCL	(MK4 ,5 ,6 ,7)	AD530-1X	ENG	O1	
		S (150)		118	190	37	INCL	(MK4 ,5 ,6 ,7)	AD530-1X	ENG	O1	
		T (165)		130	175	34	INCL	(MK4 ,5 ,6 ,7)	AD530-1X	ENG	O1	
3200		Z (40)		32	250	49	INCL	(MK4 ,5 ,6 ,7) CLUTCH SHIFT	AD530-1X	ENG	O1	
		A (50)		39	250	49	INCL	(MK4 ,5 ,6 ,7) CLUTCH SHIFT	AD530-1X	ENG	O1	
		B (55)		43	250	49	INCL	(MK4 ,5 ,6 ,7) CLUTCH SHIFT	AD530-1X	ENG	O1	
		C (73)		58	250	49	INCL	(MK4 ,5 ,6 ,7) CLUTCH SHIFT	AD530-1X	ENG	O1	
		E (86)		69	225	44	INCL	(MK4 ,5 ,6 ,7) CLUTCH SHIFT	AD530-1X	ENG	O1	
		J (95)		75	225	44	INCL	(MK4 ,5 ,6 ,7) CLUTCH SHIFT	AD530-1X	ENG	O1	
		O (125)		99	200	39	INCL	(MK4 ,5 ,6 ,7) CLUTCH SHIFT	AD530-1X	ENG	O1	
		R (137)		108	200	39	INCL	(MK4 ,5 ,6 ,7) CLUTCH SHIFT	AD530-1X	ENG	O1	
		S (150)		118	190	37	INCL	(MK4 ,5 ,6 ,7) CLUTCH SHIFT	AD530-1X	ENG	O1	
		T (165)		130	175	34	INCL	(MK4 ,5 ,6 ,7) CLUTCH SHIFT	AD530-1X	ENG	O1	
6000		Forward (73)		58	150	30	INCL	(MK4 ,5 ,6 ,7)	AD530-1X	BOTH	O1	
		Reverse (-83)		65	150	30	INCL	(MK4 ,5 ,6 ,7)	AD530-1X	BOTH	O1	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		39	250	49	INCL	(MK5 ,6 ,7)		OPP	O1	
		B (55)		43	250	49	INCL	(MK5 ,6 ,7)		OPP	O1	
		C (73)		58	250	49	INCL	(MK5 ,6 ,7)		OPP	O1	
		E (86)		69	225	44	INCL	(MK5 ,6 ,7)		OPP	O1	
		J (95)		75	225	44	INCL	(MK5 ,6 ,7)		OPP	O1	
		O (125)		99	200	39	INCL	(MK5 ,6 ,7)		OPP	O1	
		R (137)		108	200	39	INCL	(MK5 ,6 ,7)		OPP	O1	
		S (150)		118	190	37	INCL	(MK5 ,6 ,7)		OPP	O1	
		T (165)		130	175	34	INCL	(MK5 ,6 ,7)		OPP	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

1070	10760	TRDXL-107	TRDXL-1078	TRL-1076	TRL-10780	MCK.02
1071	1078	TRDXL-1070	TRDXL-10780	TRL-10760	TRXL-1076	
1076	10780	TRDXL-1071	TRDXL-10781	TRL-1078		

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
3800		Z (40)		32	250	49	INCL	(MK5 ,6 ,7) CLUTCH SHIFT		OPP	O1	3L 
		A (50)		39	250	49	INCL	(MK5 ,6 ,7) CLUTCH SHIFT		OPP	O1	
		B (55)		43	250	49	INCL	(MK5 ,6 ,7) CLUTCH SHIFT		OPP	O1	
		C (73)		58	250	49	INCL	(MK5 ,6 ,7) CLUTCH SHIFT		OPP	O1	
		E (86)		69	225	44	INCL	(MK5 ,6 ,7) CLUTCH SHIFT		OPP	O1	
		J (95)		75	225	44	INCL	(MK5 ,6 ,7) CLUTCH SHIFT		OPP	O1	
		O (125)		99	200	39	INCL	(MK5 ,6 ,7) CLUTCH SHIFT		OPP	O1	
		R (137)		108	200	39	INCL	(MK5 ,6 ,7) CLUTCH SHIFT		OPP	O1	
		S (150)		118	190	37	INCL	(MK5 ,6 ,7) CLUTCH SHIFT		OPP	O1	
		T (165)		130	175	34	INCL	(MK5 ,6 ,7) CLUTCH SHIFT		OPP	O1	
4100		B (57)		43	450	87	INCL	(MK2 ,5 ,6 ,7)		OPP	O1	3L 
		C (70)		53	470	90	INCL	(MK2 ,5 ,6 ,7)		OPP	O1	
		E (86)		65	470	90	INCL	(MK2 ,5 ,6 ,7)		OPP	O1	
		J (105)		79	400	77	INCL	(MK2 ,5 ,6 ,7)		OPP	O1	
6800		Forward (55)		58	150	30	INCL	(MK5 ,6 ,7)		BOTH	O1	3L 
		Reverse (-52)		65	150	30	INCL	(MK5 ,6 ,7)		BOTH	O1	
8000		Forward (40)		33	500	95	INCL	(MK5 ,6 ,7)		BOTH	O1	3L 
		Reverse (50)		39	500	95	INCL	(MK5 ,6 ,7)		BOTH	O1	
8500		B (57)		30	500	95	INCL	(MK5 ,6 ,7)		OPP	O1	3L 
		C (70)		40	500	95	INCL	(MK5 ,6 ,7)		OPP	O1	
		E (86)		47	480	90	INCL	(MK5 ,6 ,7)		OPP	O1	
		J (105)		59	450	86	INCL	(MK5 ,6 ,7)		OPP	O1	
		O (127)		68	400	76	INCL	(MK5 ,6 ,7)		OPP	O1	
		R (137)		74	360	68	INCL	(MK5 ,6 ,7)		OPP	O1	
		S (150)		81	320	62	INCL	(MK5 ,6 ,7)		OPP	O1	
		T (165)		89	280	54	INCL	(MK5 ,6 ,7)		OPP	O1	

FOOT NOTES:

- MK2:** Possible internal transmission interference with 4000/4100 Series "J" & "O" ratios. Check before installing PTO.
- MK4:** PTO should be filled with oil before start-up due to location of PTO opening. Check transmission oil level after initial start-up run.

- MK5:** In low splitter range, multiply PTO output speeds by .569.
- MK6:** With splitter in overdrive range, multiply PTO output speeds by 1.62.
- MK7:** In low-low splitter range, multiply PTO output speeds by .35. In overdrive range, multiply by 1.62.

For complete part numbers, consult the PTO Series section (page 25)

T-105A

T-1060A

MCK.04

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		48	250	49	M1			OPP	55	
		C (73)		64	250	49	M1			OPP	55	
		E (86)		77	225	44	M1			OPP	55	
		J (95)		84	225	44	M1			OPP	55	
		O (125)		110	200	39	M1			OPP	55	
		R (137)		121	200	39	M1			OPP	55	
		S (150)		132	190	37	M1			OPP	55	
		T (165)		145	175	34	M1			OPP	55	
3200		Z (40)		35	250	49	M1	(MK) CLUTCH SHIFT		OPP	55	
		A (50)		44	250	49	M1	(MK) CLUTCH SHIFT		OPP	55	
		B (55)		48	250	49	M1	(MK) CLUTCH SHIFT		OPP	55	
		C (73)		64	250	49	M1	(MK) CLUTCH SHIFT		OPP	55	
		E (86)		77	225	44	M1	(MK) CLUTCH SHIFT		OPP	55	
		J (95)		84	225	44	M1	(MK) CLUTCH SHIFT		OPP	55	
		O (125)		110	200	39	M1	(MK) CLUTCH SHIFT		OPP	55	
		R (137)		121	200	39	M1	(MK) CLUTCH SHIFT		OPP	55	
		S (150)		132	190	37	M1	(MK) CLUTCH SHIFT		OPP	55	
		T (165)		145	175	34	M1	(MK) CLUTCH SHIFT		OPP	55	
		Forward (73)		64	150	30	M1			BOTH	55	
		Reverse (-83)		73	150	30	M1			BOTH	55	

Mack

For complete part numbers, consult the PTO Series section (page 25)

T-2110B Rear

MCK.06

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		72	250	49	INCL	(MK14 ,17)	6140S	OPP	24	
		C (73)		95	250	49	INCL	(MK14 ,17)	6140S	OPP	24	
		E (86)		113	225	44	INCL	(MK14 ,17)	6140S	OPP	24	
		J (95)		124	225	44	INCL	(MK14 ,17)	6140S	OPP	24	
		O (125)		163	200	39	INCL	(MK14 ,17)	6140S	OPP	24	
		R (137)		179	200	39	INCL	(MK14 ,17)	6140S	OPP	24	
		S (150)		196	190	37	INCL	(MK14 ,17)	6140S	OPP	24	
		T (165)		215	175	34	INCL	(MK14 ,17)	6140S	OPP	24	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2010		A (50)		65	250	49	INCL	(MK14 ,17)	GA8062	OPP	24	
		B (55)		72	250	49	INCL	(MK14 ,17)	GA8062	OPP	24	
		C (73)		95	250	49	INCL	(MK14 ,17)	GA8062	OPP	24	
		E (86)		113	225	44	INCL	(MK14 ,17)	GA8062	OPP	24	
		J (95)		124	225	44	INCL	(MK14 ,17)	GA8062	OPP	24	
		O (125)		163	200	39	INCL	(MK14 ,17)	GA8062	OPP	24	
		R (137)		179	200	39	INCL	(MK14 ,17)	GA8062	OPP	24	
		S (150)		196	190	37	INCL	(MK14 ,17)	GA8062	OPP	24	
		T (165)		215	175	34	INCL	(MK14 ,17)	GA8062	OPP	24	
3810		Z (40)		55	250	49	INCL	(MK14 ,17)	GA8062	OPP	24	
		A (50)		68	250	49	INCL	(MK14 ,17)	GA8062	OPP	24	
		B (55)		75	250	49	INCL	(MK14 ,17)	GA8062	OPP	24	
		C (73)		100	250	49	INCL	(MK14 ,17)	GA8062	OPP	24	
		E (86)		119	225	44	INCL	(MK14 ,17)	GA8062	OPP	24	
		J (95)		130	225	44	INCL	(MK14 ,17)	GA8062	OPP	24	
		O (125)		170	200	39	INCL	(MK14 ,17)	GA8062	OPP	24	
		R (137)		187	200	39	INCL	(MK14 ,17)	GA8062	OPP	24	
		S (150)		204	190	37	INCL	(MK14 ,17)	GA8062	OPP	24	
		T (165)		225	175	34	INCL	(MK14 ,17)	GA8062	OPP	24	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
4110		B (57)		68	450	87	INCL	(MK2 ,14 ,17)	GA8062	OPP	24	3L 
		C (70)		84	470	90	INCL	(MK2 ,14 ,17)	GA8062	OPP	24	
		E (86)		103	470	90	INCL	(MK2 ,14 ,17)	GA8062	OPP	24	
		J (105)		126	400	77	INCL	(MK2 ,14 ,17)	GA8062	OPP	24	

FOOT NOTES:

MK2: Possible internal transmission interference with 4000 / 4100 Series "J" & "O" ratios. Check before installing PTO.

MK14: Speeds shown with transmission in 4TH gear. For PTO output speeds with transmission in any other gear, use the following multipliers:

Lo Gear	1st	2nd	3rd	4th	5th
0.26	0.45	0.59	0.77	1.00	1.30

MK17: Neutral select is a covered switch on the dash and is necessary for stationary operation.

T-3 10M Rear

T-3 10ME Rear

T-3 10MLR Rear

MCK.07

6 Bolts	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		72	250	49	INCL	(MK9 ,17 ,18 ,19 ,20)	6140S	OPP	24	
		C (73)		95	250	49	INCL	(MK9 ,17 ,18 ,19 ,20)	6140S	OPP	24	
		E (86)		113	225	44	INCL	(MK9 ,17 ,18 ,19 ,20)	6140S	OPP	24	
		J (95)		124	225	44	INCL	(MK9 ,17 ,18 ,19 ,20)	6140S	OPP	24	
		O (125)		163	200	39	INCL	(MK9 ,17 ,18 ,19 ,20)	6140S	OPP	24	
		R (137)		179	200	39	INCL	(MK9 ,17 ,18 ,19 ,20)	6140S	OPP	24	
		S (150)		196	190	37	INCL	(MK9 ,17 ,18 ,19 ,20)	6140S	OPP	24	
		T (165)		215	175	34	INCL	(MK9 ,17 ,18 ,19 ,20)	6140S	OPP	24	

For complete part numbers, consult the PTO Series section (page 25)

T-3 10M Rear

T-3 10ME Rear

T-3 10MLR Rear

MCK.07

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2010		A (50)		65	250	49	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		B (55)		72	250	49	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		C (73)		95	250	49	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		E (86)		113	225	44	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		J (95)		124	225	44	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		O (125)		163	200	39	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		R (137)		179	200	39	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		S (150)		196	190	37	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		T (165)		215	175	34	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
3810		Z (40)		55	250	49	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		A (50)		68	250	49	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		B (55)		75	250	49	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		C (73)		100	250	49	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		E (86)		119	225	44	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		J (95)		130	225	44	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		O (125)		170	200	39	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		R (137)		187	200	39	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		S (150)		204	190	37	INCL	(MK9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
4110		B (57)		68	450	87	INCL	(MK2 ,9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		C (70)		84	470	90	INCL	(MK2 ,9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		E (86)		103	470	90	INCL	(MK2 ,9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	
		J (105)		126	400	77	INCL	(MK2 ,9 ,17 ,18 ,19 ,20)	GA8062	OPP	24	

FOOT NOTES:

MK2: Possible internal transmission interference with 4000/4100 Series "J" & "O" ratios. Check before installing PTO.

MK9: All applications shown are for Rear Box only.

MK17: Neutral select is a covered switch on the dash and is necessary for stationary operation.

MK18: Speeds shown with transmission in 4TH gear. For PTO output speeds with transmission in any other gear, use the following multipliers:

T-310M	Lo Gear	1st	2nd	3rd	4th	5th	Reverse*
	0.22	0.34	0.52	0.72	1.00	1.38	0.88

MK19: Speeds shown with transmission in 4TH gear. For PTO output speeds with transmission in any other gear, use the following multipliers:

T-310MLR	Lo Gear	1st	2nd	3rd	4th	5th	Reverse*
	0.14	0.28	0.52	0.72	1.00	1.40	0.88

MK20: PTO output rotation is reversed when transmission is placed in Reverse.

*Rotation of output shaft is reversed when the main transmission is placed in Reverse.

For complete part numbers, consult the PTO Series section (page 25)

TM-308M Rear TM-309M Rear

MCK.08

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		72	250	49	INCL	(MK9 ,17 ,25)	6140S	OPP	24	
		C (73)		95	250	49	INCL	(MK9 ,17 ,25)	6140S	OPP	24	
		E (86)		113	225	44	INCL	(MK9 ,17 ,25)	6140S	OPP	24	
		J (95)		124	225	44	INCL	(MK9 ,17 ,25)	6140S	OPP	24	
		O (125)		163	200	39	INCL	(MK9 ,17 ,25)	6140S	OPP	24	
		R (137)		179	200	39	INCL	(MK9 ,17 ,25)	6140S	OPP	24	
		S (150)		196	190	37	INCL	(MK9 ,17 ,25)	6140S	OPP	24	
		T (165)		215	175	34	INCL	(MK9 ,17 ,25)	6140S	OPP	24	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2010		A (50)		65	250	49	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		B (55)		72	250	49	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		C (73)		95	250	49	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		E (86)		113	225	44	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		J (95)		124	225	44	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		O (125)		163	200	39	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		R (137)		179	200	39	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		S (150)		196	190	37	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		T (165)		215	175	34	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
3810		Z (40)		55	250	49	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		A (50)		68	250	49	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		B (55)		75	250	49	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		C (73)		100	250	49	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		E (86)		119	225	44	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		J (95)		130	225	44	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		O (125)		170	200	39	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		R (137)		187	200	39	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		S (150)		204	190	37	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
		T (165)		225	175	34	INCL	(MK9 ,17 ,25)	GA8062	OPP	24	
4110		B (57)		68	450	87	INCL	(MK2 ,9 ,17 ,25)	GA8062	OPP	24	
		C (70)		84	470	90	INCL	(MK2 ,9 ,17 ,25)	GA8062	OPP	24	
		E (86)		103	470	90	INCL	(MK2 ,9 ,17 ,25)	GA8062	OPP	24	
		J (105)		126	400	77	INCL	(MK2 ,9 ,17 ,25)	GA8062	OPP	24	

FOOT NOTES:

MK2: Possible internal transmission interference with 4000/4100 Series "J" & "O" ratios. Check before installing PTO.

MK9: All applications shown are for Rear Box only.

MK17: Neutral select is a covered switch on the dash and is necessary for stationary operation.

MK25: Speeds shown with transmission in 5TH Gear. For PTO output speeds with transmission in any other gear use the following multipliers:

1st	2nd	3rd	4th	5th	6th	Reverse *
0.15	0.25	0.39	0.63	1.00	1.40	1.14

*Rotation of output shaft is reversed when the main transmission is placed in Reverse.

For complete part numbers, consult the PTO Series section (page 25)

T-2100

T-2110B Front

MCK.10

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		84	250	49	INCL		GA6062	OPP	24	
		C (73)		112	250	49	INCL		GA6062	OPP	24	
		E (86)		133	225	44	INCL		GA6062	OPP	24	
		J (95)		145	225	44	INCL		GA6062	OPP	24	
		O (125)		191	200	39	INCL		GA6062	OPP	24	
		R (137)		210	200	39	INCL		GA6062	OPP	24	
		S (150)		230	190	37	INCL		GA6062	OPP	24	
		T (165)		253	175	34	INCL		GA6062	OPP	24	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2010		A (50)		77	250	49	INCL			OPP	24	
		B (55)		84	250	49	INCL			OPP	24	
		C (73)		112	250	49	INCL			OPP	24	
		E (86)		133	225	44	INCL			OPP	24	
		J (95)		145	225	44	INCL			OPP	24	
		O (125)		191	200	39	INCL			OPP	24	
		R (137)		210	200	39	INCL			OPP	24	
		S (150)		230	190	37	INCL			OPP	24	
3810		T (165)		253	175	34	INCL			OPP	24	
		Z (40)		64	250	49	INCL			OPP	24	
		A (50)		80	250	49	INCL			OPP	24	
		B (55)		88	250	49	INCL			OPP	24	
		C (73)		117	250	49	INCL			OPP	24	
		E (86)		140	225	44	INCL			OPP	24	
		J (95)		153	225	44	INCL			OPP	24	
		O (125)		200	200	39	INCL			OPP	24	
		R (137)		219	200	39	INCL			OPP	24	
		S (150)		240	190	37	INCL			OPP	24	
4110		T (165)		264	175	34	INCL			OPP	24	
		B (57)		80	450	87	INCL	(MK2)		OPP	24	
		C (70)		99	470	90	INCL	(MK2)		OPP	24	
		E (86)		121	470	90	INCL	(MK2)		OPP	24	
		J (105)		148	400	77	INCL	(MK2)		OPP	24	

FOOT NOTES:

MK2: Possible internal transmission interference with 4000/4100 Series "I" & "O" ratios. Check before installing PTO.

For complete part numbers, consult the PTO Series section (page 25)

2090
T-2090
T-2090L
T-2130 Front
T-2130B Front

T-2180 Front
T-2180B Front
T-309
T-309L
T-309LR

T-310MLR Front
T-313 Front
T-31321 Front
T-313L Front
T-313L21 Front

T-313LR Front
T-313LR21 Front
T-318 Front
T-31821 Front
T-318L Front

T-318L21 Front
T-318LR Front
T-318LR21 Front
TM-308M Front
TM-309M Front

MCK.13

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		91	250	49	INCL	(MK8 ,13)	GA6062	OPP	24	
		C (73)		120	250	49	INCL	(MK8 ,13)	GA6062	OPP	24	
		E (86)		143	225	44	INCL	(MK8 ,13)	GA6062	OPP	24	
		J (95)		157	225	44	INCL	(MK8 ,13)	GA6062	OPP	24	
		O (125)		206	200	39	INCL	(MK8 ,13)	GA6062	OPP	24	
		R (137)		226	200	39	INCL	(MK8 ,13)	GA6062	OPP	24	
		S (150)		247	190	37	INCL	(MK8 ,13)	GA6062	OPP	24	
		T (165)		272	175	34	INCL	(MK8 ,13)	GA6062	OPP	24	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2010		A (50)		82	250	49	INCL	(MK8)		OPP	24	
		B (55)		91	250	49	INCL	(MK8)		OPP	24	
		C (73)		120	250	49	INCL	(MK8)		OPP	24	
		E (86)		143	225	44	INCL	(MK8)		OPP	24	
		J (95)		157	225	44	INCL	(MK8)		OPP	24	
		O (125)		206	200	39	INCL	(MK8)		OPP	24	
		R (137)		226	200	39	INCL	(MK8)		OPP	24	
		S (150)		247	190	37	INCL	(MK8)		OPP	24	
		T (165)		272	175	34	INCL	(MK8)		OPP	24	
3810		Z (40)		69	250	49	INCL	(MK8)		OPP	24	
		A (50)		86	250	49	INCL	(MK8)		OPP	24	
		B (55)		95	250	49	INCL	(MK8)		OPP	24	
		C (73)		126	250	49	INCL	(MK8)		OPP	24	
		E (86)		151	225	44	INCL	(MK8)		OPP	24	
		J (95)		165	225	44	INCL	(MK8)		OPP	24	
		O (125)		215	200	39	INCL	(MK8)		OPP	24	
		R (137)		236	200	39	INCL	(MK8)		OPP	24	
		S (150)		258	190	37	INCL	(MK8)		OPP	24	
		T (165)		284	175	34	INCL	(MK8)		OPP	24	
4110		B (57)		86	450	87	INCL	(MK2 ,8)		OPP	24	
		C (70)		106	470	90	INCL	(MK2 ,8)		OPP	24	
		E (86)		130	470	90	INCL	(MK2 ,8)		OPP	24	
		J (105)		159	400	77	INCL	(MK2 ,8)		OPP	24	

FOOT NOTES:

MK2: Possible internal transmission interference with 4000/4100 Series "I" & "O" ratios. Check before installing m0.

MK8: All applications shown are for Front BOX only.

MK13: Possible spring hanger interference on trucks with set back Front axles.

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		89	250	49	INCL	(MK8)	GA6093	OPP	24	
		C (73)		118	250	49	INCL	(MK8)	GA6093	OPP	24	
		E (86)		141	225	44	INCL	(MK8)	GA6093	OPP	24	
		J (95)		154	225	44	INCL	(MK8)	GA6093	OPP	24	
		O (125)		202	200	39	INCL	(MK8)	GA6093	OPP	24	
		R (137)		222	200	39	INCL	(MK8)	GA6093	OPP	24	
		S (150)		243	190	37	INCL	(MK8)	GA6093	OPP	24	
		T (165)		267	175	34	INCL	(MK8)	GA6093	OPP	24	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2010		A (50)		81	250	49	INCL	(MK8)		OPP	24	
		B (55)		89	250	49	INCL	(MK8)		OPP	24	
		C (73)		118	250	49	INCL	(MK8)		OPP	24	
		E (86)		141	225	44	INCL	(MK8)		OPP	24	
		J (95)		154	225	44	INCL	(MK8)		OPP	24	
		O (125)		202	200	39	INCL	(MK8)		OPP	24	
		R (137)		222	200	39	INCL	(MK8)		OPP	24	
		S (150)		243	190	37	INCL	(MK8)		OPP	24	
		T (165)		267	175	34	INCL	(MK8)		OPP	24	
3810		Z (40)		68	250	49	INCL	(MK8)		OPP	24	
		A (50)		85	250	49	INCL	(MK8)		OPP	24	
		B (55)		93	250	49	INCL	(MK8)		OPP	24	
		C (73)		123	250	49	INCL	(MK8)		OPP	24	
		E (86)		148	225	44	INCL	(MK8)		OPP	24	
		J (95)		162	225	44	INCL	(MK8)		OPP	24	
		O (125)		211	200	39	INCL	(MK8)		OPP	24	
		R (137)		231	200	39	INCL	(MK8)		OPP	24	
		S (150)		254	190	37	INCL	(MK8)		OPP	24	
		T (165)		279	175	34	INCL	(MK8)		OPP	24	
4110		B (57)		85	450	87	INCL	(MK2 ,8)		OPP	24	
		C (70)		104	470	90	INCL	(MK2 ,8)		OPP	24	
		E (86)		128	470	90	INCL	(MK2 ,8)		OPP	24	
		J (105)		156	400	77	INCL	(MK2 ,8)		OPP	24	

FOOT NOTES:

MK2: Possible internal transmission interference with 4000/4100 Series "J" & "O" ratios. Check before installing PTO. **MK8:** All applications shown are for Front Box only.

//////////////////////////////////// For complete part numbers, consult the PTO Series section (page 25) //////////////////////////////////////

TM-308

TM-309

MCK.15

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		91	250	49	INCL	(MK22 ,23 ,24)	GA6062	OPP	24	
		C (73)		120	250	49	INCL	(MK22 ,23 ,24)	GA6062	OPP	24	
		E (86)		143	225	44	INCL	(MK22 ,23 ,24)	GA6062	OPP	24	
		J (95)		157	225	44	INCL	(MK22 ,23 ,24)	GA6062	OPP	24	
		O (125)		206	200	39	INCL	(MK22 ,23 ,24)	GA6062	OPP	24	
		R (137)		226	200	39	INCL	(MK22 ,23 ,24)	GA6062	OPP	24	
		S (150)		247	190	37	INCL	(MK22 ,23 ,24)	GA6062	OPP	24	
		T (165)		272	175	34	INCL	(MK22 ,23 ,24)	GA6062	OPP	24	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2010		A (50)		82	250	49	INCL	(MK22 ,23)		OPP	24	
		B (55)		91	250	49	INCL	(MK22 ,23)		OPP	24	
		C (73)		120	250	49	INCL	(MK22 ,23)		OPP	24	
		E (86)		143	225	44	INCL	(MK22 ,23)		OPP	24	
		J (95)		157	225	44	INCL	(MK22 ,23)		OPP	24	
		O (125)		206	200	39	INCL	(MK22 ,23)		OPP	24	
		R (137)		226	200	39	INCL	(MK22 ,23)		OPP	24	
		S (150)		247	190	37	INCL	(MK22 ,23)		OPP	24	
		T (165)		272	175	34	INCL	(MK22 ,23)		OPP	24	

FOOT NOTES:

MK22: Interference with outside diameter of transmission PTO driver gear for Ratios "O" and higher (1000 & 2000 Series PTOs).

MK23: Transmission PTO driver gear (54 Tooth) has non-standard location of .320" Rearward of aperture centerline.

MK24: Possible spring hanger interference.

For complete part numbers, consult the PTO Series section (page 25)

T-2130 Rear

T-2130B Rear

T-2180 Rear

T-2180B Rear

MCK.16

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		86	250	49	INCL	(MK15 ,16)	6140S	OPP	24	
		C (73)		114	250	49	INCL	(MK15 ,16)	6140S	OPP	24	
		E (86)		135	225	44	INCL	(MK15 ,16)	6140S	OPP	24	
		J (95)		148	225	44	INCL	(MK15 ,16)	6140S	OPP	24	
		O (125)		194	200	39	INCL	(MK15 ,16)	6140S	OPP	24	
		R (137)		213	200	39	INCL	(MK15 ,16)	6140S	OPP	24	
		S (150)		233	190	37	INCL	(MK15 ,16)	6140S	OPP	24	
		T (165)		257	175	34	INCL	(MK15 ,16)	6140S	OPP	24	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2010		A (50)		78	250	49	INCL	(MK15 ,16)	GA8062	OPP	24	
		B (55)		86	250	49	INCL	(MK15 ,16)	GA8062	OPP	24	
		C (73)		114	250	49	INCL	(MK15 ,16)	GA8062	OPP	24	
		E (86)		135	225	44	INCL	(MK15 ,16)	GA8062	OPP	24	
		J (95)		148	225	44	INCL	(MK15 ,16)	GA8062	OPP	24	
		O (125)		194	200	39	INCL	(MK15 ,16)	GA8062	OPP	24	
		R (137)		213	200	39	INCL	(MK15 ,16)	GA8062	OPP	24	
		S (150)		233	190	37	INCL	(MK15 ,16)	GA8062	OPP	24	
		T (165)		257	175	34	INCL	(MK15 ,16)	GA8062	OPP	24	
3810		Z (40)		65	250	49	INCL	(MK15 ,16)	GA8062	OPP	24	
		A (50)		81	250	49	INCL	(MK15 ,16)	GA8062	OPP	24	
		B (55)		89	250	49	INCL	(MK15 ,16)	GA8062	OPP	24	
		C (73)		119	250	49	INCL	(MK15 ,16)	GA8062	OPP	24	
		E (86)		142	225	44	INCL	(MK15 ,16)	GA8062	OPP	24	
		J (95)		156	225	44	INCL	(MK15 ,16)	GA8062	OPP	24	
		O (125)		203	200	39	INCL	(MK15 ,16)	GA8062	OPP	24	
		R (137)		222	200	39	INCL	(MK15 ,16)	GA8062	OPP	24	
		S (150)		244	190	37	INCL	(MK15 ,16)	GA8062	OPP	24	
		T (165)		268	175	34	INCL	(MK15 ,16)	GA8062	OPP	24	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
4110		B (57)		82	450	87	INCL	(MK2 ,15 ,16)	GA8062	OPP	24	3L 
		C (70)		100	470	90	INCL	(MK2 ,15 ,16)	GA8062	OPP	24	
		E (86)		123	470	90	INCL	(MK2 ,15 ,16)	GA8062	OPP	24	
		J (105)		150	400	77	INCL	(MK2 ,15 ,16)	GA8062	OPP	24	

FOOT NOTES:

MK2: Possible internal transmission interference with 4000/4100 Series "J" & "O" ratios. Check before installing PTO.

MK15: Speeds shown with transmission in 4TH gear. For PTO output speeds with transmission in any other gear, use the following multipliers:

				Low	Reverse*	
1st	2nd	3rd	4th	Gear	T-31_L	T-31_LR
0.37	0.51	0.71	1.0	0.20	0.20	0.11

*Rotation of output shaft is reversed when the main transmission is placed in Reverse.

MK16: Speeds shown with splitter in Low Range. Multiply final ratio by 1.18 for High Range.

//////////////////////////////////// For complete part numbers, consult the PTO Series section (page 25) //////////////////////////////////////

T-313L Rear
T-313LR21 Rear

T-313LR Rear
T-313LR21 Rear

T-318L Rear
T-318LR21 Rear

T-318LR Rear
T-318LR21 Rear

MCK.17

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		86	250	49	INCL	(MK9 ,16 ,17 ,21)	6140S	OPP	24	
		C (73)		114	250	49	INCL	(MK9 ,16 ,17 ,21)	6140S	OPP	24	
		E (86)		135	225	44	INCL	(MK9 ,16 ,17 ,21)	6140S	OPP	24	
		J (95)		148	225	44	INCL	(MK9 ,16 ,17 ,21)	6140S	OPP	24	
		O (125)		194	200	39	INCL	(MK9 ,16 ,17 ,21)	6140S	OPP	24	
		R (137)		213	200	39	INCL	(MK9 ,16 ,17 ,21)	6140S	OPP	24	
		S (150)		233	190	37	INCL	(MK9 ,16 ,17 ,21)	6140S	OPP	24	
		T (165)		257	175	34	INCL	(MK9 ,16 ,17 ,21)	6140S	OPP	24	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2010		A (50)		78	250	49	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		B (55)		86	250	49	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		C (73)		114	250	49	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		E (86)		135	225	44	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		J (95)		148	225	44	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		O (125)		194	200	39	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		R (137)		213	200	39	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		S (150)		233	190	37	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
3810		T (165)		257	175	34	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		Z (40)		65	250	49	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		A (50)		81	250	49	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		B (55)		89	250	49	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		C (73)		119	250	49	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		E (86)		142	225	44	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		J (95)		156	225	44	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		O (125)		203	200	39	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		R (137)		222	200	39	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		S (150)		244	190	37	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
4110		T (165)		268	175	34	INCL	(MK9 ,16 ,17 ,21)	GA8062	OPP	24	
		B (57)		82	450	87	INCL	(MK2 ,9 ,16 ,17 ,21)	GA8062	OPP	24	
		C (70)		100	470	90	INCL	(MK2 ,9 ,16 ,17 ,21)	GA8062	OPP	24	
		E (86)		123	470	90	INCL	(MK2 ,9 ,16 ,17 ,21)	GA8062	OPP	24	
		J (105)		150	400	77	INCL	(MK2 ,9 ,16 ,17 ,21)	GA8062	OPP	24	

FOOT NOTES:

MK2: Possible internal transmission interference with 4000/4100 Series "J" & "O" ratios. Check before installing PTO.

MK9: All applications shown are for Rear Box only.

MK16: Speeds shown with splitter in Low Range. Multiply final ratio by 1.18 for High Range.

MK17: Neutral select is a covered switch on the dash and is necessary for stationary operation.

MK21: Speeds shown with transmission in 4TH gear. For PTO output speeds with transmission in any other gear, use the following multipliers:

				Low	Reverse*
1st	2nd	3rd	4th	Gear	T-21_0 T-21_0B
0.370	0.507	0.712	1.0	0.233	0.109 0.245

*Rotation of output shaft is reversed when the main transmission is placed in Reverse.

For complete part numbers, consult the PTO Series section (page 25)

T-2050
T-2060
T-2070 Front

T-2070A Front
T-2070B Front
T-2070F

T-2080
T-2080B Front
T-305

T-306
T-307 Front
T-307M Front

T-308
T-308M Front

MCK.18

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		108	250	49	INCL	(MK8)	GA6062	OPP	24	
		C (73)		143	250	49	INCL	(MK8)	GA6062	OPP	24	
		E (86)		171	225	44	INCL	(MK8)	GA6062	OPP	24	
		J (95)		187	225	44	INCL	(MK8)	GA6062	OPP	24	
		O (125)		246	200	39	INCL	(MK8)	GA6062	OPP	24	
		R (137)		269	200	39	INCL	(MK8)	GA6062	OPP	24	
		S (150)		295	190	37	INCL	(MK8)	GA6062	OPP	24	
		T (165)		324	175	34	INCL	(MK8)	GA6062	OPP	24	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2010		A (50)		98	250	49	INCL	(MK8)		OPP	24	
		B (55)		108	250	49	INCL	(MK8)		OPP	24	
		C (73)		143	250	49	INCL	(MK8)		OPP	24	
		E (86)		171	225	44	INCL	(MK8)		OPP	24	
		J (95)		187	225	44	INCL	(MK8)		OPP	24	
		O (125)		246	200	39	INCL	(MK8)		OPP	24	
		R (137)		269	200	39	INCL	(MK8)		OPP	24	
		S (150)		295	190	37	INCL	(MK8)		OPP	24	
		T (165)		324	175	34	INCL	(MK8)		OPP	24	
3810		Z (40)		82	250	49	INCL	(MK8)		OPP	24	
		A (50)		103	250	49	INCL	(MK8)		OPP	24	
		B (55)		113	250	49	INCL	(MK8)		OPP	24	
		C (73)		150	250	49	INCL	(MK8)		OPP	24	
		E (86)		180	225	44	INCL	(MK8)		OPP	24	
		J (95)		197	225	44	INCL	(MK8)		OPP	24	
		O (125)		257	200	39	INCL	(MK8)		OPP	24	
		R (137)		281	200	39	INCL	(MK8)		OPP	24	
		S (150)		308	190	37	INCL	(MK8)		OPP	24	
4110		T (165)		338	175	34	INCL	(MK8)		OPP	24	
		B (57)		103	450	87	INCL	(MK2 ,8)		OPP	24	
		C (70)		127	470	90	INCL	(MK2 ,8)		OPP	24	
		E (86)		155	470	90	INCL	(MK2 ,8)		OPP	24	
		J (105)		190	400	77	INCL	(MK2 ,8)		OPP	24	

FOOT NOTES:

MK2: Possible internal transmission interference with 4000/4100 Series "J" & "O" ratios. Check before installing PTO.

MK8: All applications shown are for Front Box only.

For complete part numbers, consult the PTO Series section (page 25)

T-2050C

T-2060C

T-2070C Front

T-2070D Front

T-2080C

T-2080D Front

MCK.19

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		100	250	49	INCL		GA6032	OPP	O1	
		C (73)		133	250	49	INCL		GA6032	OPP	O1	
		E (86)		159	225	44	INCL		GA6032	OPP	O1	
		J (95)		173	225	44	INCL		GA6032	OPP	O1	
		O (125)		228	200	39	INCL		GA6032	OPP	O1	
		R (137)		250	200	39	INCL		GA6032	OPP	O1	
		S (150)		274	190	37	INCL		GA6032	OPP	O1	
		T (165)		301	175	34	INCL		GA6032	OPP	O1	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2010		A (50)		91	250	49	INCL		GA8093	OPP	O1	
		B (55)		100	250	49	INCL		GA8093	OPP	O1	
		C (73)		133	250	49	INCL		GA8093	OPP	O1	
		E (86)		159	225	44	INCL		GA8093	OPP	O1	
		J (95)		173	225	44	INCL		GA8093	OPP	O1	
		O (125)		228	200	39	INCL		GA8093	OPP	O1	
		R (137)		250	200	39	INCL		GA8093	OPP	O1	
		S (150)		274	190	37	INCL		GA8093	OPP	O1	
		T (165)		301	175	34	INCL		GA8093	OPP	O1	
3810		Z (40)		73	250	49	INCL		GA8093	OPP	O1	
		A (50)		91	250	49	INCL		GA8093	OPP	O1	
		B (55)		100	250	49	INCL		GA8093	OPP	O1	
		C (73)		133	250	49	INCL		GA8093	OPP	O1	
		E (86)		160	225	44	INCL		GA8093	OPP	O1	
		J (95)		175	225	44	INCL		GA8093	OPP	O1	
		O (125)		228	200	39	INCL		GA8093	OPP	O1	
		R (137)		250	200	39	INCL		GA8093	OPP	O1	
		S (150)		274	190	37	INCL		GA8093	OPP	O1	
4110		T (165)		301	175	34	INCL		GA8093	OPP	O1	
		B (57)		100	450	87	INCL	(MK2)	GA8093	OPP	O1	
		C (70)		122	470	90	INCL	(MK2)	GA8093	OPP	O1	
		E (86)		150	470	90	INCL	(MK2)	GA8093	OPP	O1	
		J (105)		183	400	77	INCL	(MK2)	GA8093	OPP	O1	

FOOT NOTES:

MK2: Possible internal transmission interference with 4000/4100 Series "J" & "O" ratios. Check before installing PTO.

//////////////////////////////////// For complete part numbers, consult the PTO Series section (page 25) //////////////////////////////////////

T-2070 Rear
T-2070A Rear

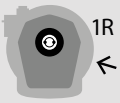
T-2070B Rear
T-2070C Rear

T-2070D Rear
T-2080B Rear

T-2080D Rear
T-307 Rear

T-307M Rear
T-308M Rear

MCK.20

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		120	250	49	INCL	(MK10 ,11 ,12)	6140S	OPP	24	
		C (73)		159	250	49	INCL	(MK10 ,11 ,12)	6140S	OPP	24	
		E (86)		190	225	44	INCL	(MK10 ,11 ,12)	6140S	OPP	24	
		J (95)		207	225	44	INCL	(MK10 ,11 ,12)	6140S	OPP	24	
		O (125)		273	200	39	INCL	(MK10 ,11 ,12)	6140S	OPP	24	
		R (137)		299	200	39	INCL	(MK10 ,11 ,12)	6140S	OPP	24	
		S (150)		328	190	37	INCL	(MK10 ,11 ,12)	6140S	OPP	24	
		T (165)		360	175	34	INCL	(MK10 ,11 ,12)	6140S	OPP	24	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2010		A (50)		109	250	49	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		B (55)		120	250	49	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		C (73)		159	250	49	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		E (86)		190	225	44	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		J (95)		207	225	44	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		O (125)		273	200	39	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		R (137)		299	200	39	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		S (150)		328	190	37	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		T (165)		360	175	34	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
3810		Z (40)		91	250	49	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		A (50)		114	250	49	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		B (55)		126	250	49	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		C (73)		167	250	49	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		E (86)		200	225	44	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		J (95)		218	225	44	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		O (125)		285	200	39	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		R (137)		312	200	39	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		S (150)		342	190	37	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	
		T (165)		376	175	34	INCL	(MK10 ,11 ,12)	GA8062	OPP	24	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

T-2070 Rear
T-2070A Rear

T-2070B Rear
T-2070C Rear

T-2070D Rear
T-2080B Rear

T-2080D Rear
T-307 Rear

T-307M Rear
T-308M Rear

MCK.20

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
4110		B (57)		115	450	87	INCL	(MK2 ,10 ,11 ,12)	GA8062	OPP	24	3L 
		C (70)		141	470	90	INCL	(MK2 ,10 ,11 ,12)	GA8062	OPP	24	
		E (86)		173	470	90	INCL	(MK2 ,10 ,11 ,12)	GA8062	OPP	24	
		J (105)		211	400	77	INCL	(MK2 ,10 ,11 ,12)	GA8062	OPP	24	

FOOT NOTES:

MK2: Possible internal transmission interference with 4000/4100 Series "J" & "O" ratios. Check before installing PTO.

MK10: Speeds shown with transmission in 5TH Gear. For PTO output speeds with transmission in any other gear use the following multipliers:

1st	2nd	3rd	4th
0.114	0.196	0.343	0.597

MK11: Rotation of output shaft is reversed when the main transmission is in Reverse. Multiply output speed by .113.

MK12: With this transmission in 5TH gear, multiply PTO output speed by .890.

D-107
T-107
TRDL-107

TRTXL-107
TRX-107
TRXL-107

TRXL-1071
TRXL-1071A
TRXL-1078

TRXL-107A
X-107
X-1071

X-1071A
X-107A

MCK.21

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		97	250	49	S3	(MK1)	AD530-1X 6240S	ENG	O1	
		C (73)		129	250	49	S3	(MK1)	AD530-1X 6240S	ENG	O1	
		E (86)		154	225	44	S3	(MK1)	AD530-1X 6240S	ENG	O1	
		J (95)		168	225	44	S3	(MK1)	AD530-1X 6240S	ENG	O1	
		O (125)		222	200	39	S3	(MK1)	AD530-1X 6240S	ENG	O1	
		R (137)		243	200	39	S3	(MK1)	AD530-1X 6240S	ENG	O1	
		S (150)		266	190	37	S3	(MK1)	AD530-1X 6240S	ENG	O1	
		T (165)		292	175	34	S3	(MK1)	AD530-1X 6240S	ENG	O1	
3200		Z (40)		71	250	49	INCL	(MK1 ,4) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		A (50)		89	250	49	INCL	(MK1 ,4) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		B (55)		97	250	49	INCL	(MK1 ,4) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		C (73)		129	250	49	INCL	(MK1 ,4) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		E (86)		155	225	44	INCL	(MK1 ,4) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		J (95)		170	225	44	INCL	(MK1 ,4) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		O (125)		222	200	39	INCL	(MK1 ,4) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		R (137)		243	200	39	INCL	(MK1 ,4) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		S (150)		266	190	37	INCL	(MK1 ,4) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		T (165)		292	175	34	INCL	(MK1 ,4) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
6000		Forward (73)		129	150	30	S3	(MK1 ,4)	AD530-1X 6240S	BOTH	O1	
		Reverse (83)		147	150	30	S3	(MK1 ,4)	AD530-1X 6240S	BOTH	O1	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		89	250	49	INCL	(MK1)	8190S	OPP	O1	
		B (55)		97	250	49	INCL	(MK1)	8190S	OPP	O1	
		C (73)		129	250	49	INCL	(MK1)	8190S	OPP	O1	
		E (86)		154	225	44	INCL	(MK1)	8190S	OPP	O1	
		J (95)		168	225	44	INCL	(MK1)	8190S	OPP	O1	
		O (125)		222	200	39	INCL	(MK1)	8190S	OPP	O1	
		R (137)		243	200	39	INCL	(MK1)	8190S	OPP	O1	
		S (150)		266	190	37	INCL	(MK1)	8190S	OPP	O1	
		T (165)		292	175	34	INCL	(MK1)	8190S	OPP	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

D-107
T-107
TRDL-107

TRTXL-107
TRX-107
TRXL-107

TRXL-1071
TRXL-1071A
TRXL-1078

TRXL-107A
X-107
X-1071

X-1071A
X-107A

MCK.21

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
3800		Z (40)		71	250	49	INCL	(MK1) CLUTCH SHIFT	8190S	OPP	O1	3L 
		A (50)		89	250	49	INCL	(MK1) CLUTCH SHIFT	8190S	OPP	O1	
		B (55)		97	250	49	INCL	(MK1) CLUTCH SHIFT	8190S	OPP	O1	
		C (73)		129	250	49	INCL	(MK1) CLUTCH SHIFT	8190S	OPP	O1	
		E (86)		155	225	44	INCL	(MK1) CLUTCH SHIFT	8190S	OPP	O1	
		J (95)		170	225	44	INCL	(MK1) CLUTCH SHIFT	8190S	OPP	O1	
		O (125)		222	200	39	INCL	(MK1) CLUTCH SHIFT	8190S	OPP	O1	
		R (137)		243	200	39	INCL	(MK1) CLUTCH SHIFT	8190S	OPP	O1	
		S (150)		266	190	37	INCL	(MK1) CLUTCH SHIFT	8190S	OPP	O1	
		T (165)		292	175	34	INCL	(MK1) CLUTCH SHIFT	8190S	OPP	O1	
4100		B (57)		97	450	87	INCL	(MK1 , 2)	8190S	OPP	O1	3L 
		C (70)		119	470	90	INCL	(MK1 , 2)	8190S	OPP	O1	
		E (86)		146	470	90	INCL	(MK1 , 2)	8190S	OPP	O1	
		J (105)		178	400	77	INCL	(MK1 , 2)	8190S	OPP	O1	
6800		Forward (55)		129	150	30	INCL	(MK1)	8190S	BOTH	O1	3L 
		Reverse (-52)		147	150	30	INCL	(MK1)	8190S	BOTH	O1	
8000		Forward (40)		73	500	95	INCL	(MK1)	8190S	BOTH	O1	3L 
		Reverse (50)		87	500	95	INCL	(MK1)	8190S	BOTH	O1	
8500		B (57)		67	500	95	INCL	(MK1)	8190S	OPP	O1	3L 
		C (70)		89	500	95	INCL	(MK1)	8190S	OPP	O1	
		E (86)		106	480	90	INCL	(MK1)	8190S	OPP	O1	
		J (105)		132	450	86	INCL	(MK1)	8190S	OPP	O1	
		O (127)		152	400	76	INCL	(MK1)	8190S	OPP	O1	
		R (137)		167	360	68	INCL	(MK1)	8190S	OPP	O1	
		S (150)		183	320	62	INCL	(MK1)	8190S	OPP	O1	
		T (165)		201	280	54	INCL	(MK1)	8190S	OPP	O1	

FOOT NOTES:

MK1: Speeds shown with transmission in 5TH Gear. For PTO output speeds with transmission in any other gear use the following multipliers:

1st	2nd	3rd	4th
0.116	0.200	0.353	0.603

MK2: Possible internal transmission interference with 4000/4100 Series "J" & "O" ratios. Check before installing PTO.

MK4: PTO should be filled with oil before start-up due to location of PTO opening. Check transmission oil level after initial start-up run.

For complete part numbers, consult the PTO Series section (page 25)

TRXL-1070
TRXL-1070A

TRXL-10710
X-1070

X-1070A
X-10710

X-10710A

MCK.22

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		97	250	49	S3	(MK4 ,26)	AD530-1X 6240S	ENG	O1	
		C (73)		129	250	49	S3	(MK4 ,26)	AD530-1X 6240S	ENG	O1	
		E (86)		154	225	44	S3	(MK4 ,26)	AD530-1X 6240S	ENG	O1	
		J (95)		168	225	44	S3	(MK4 ,26)	AD530-1X 6240S	ENG	O1	
		O (125)		222	200	39	S3	(MK4 ,26)	AD530-1X 6240S	ENG	O1	
		R (137)		243	200	39	S3	(MK4 ,26)	AD530-1X 6240S	ENG	O1	
		S (150)		266	190	37	S3	(MK4 ,26)	AD530-1X 6240S	ENG	O1	
		T (165)		292	175	34	S3	(MK4 ,26)	AD530-1X 6240S	ENG	O1	
3200		Z (40)		71	250	49	S3	(MK4 ,26) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		A (50)		89	250	49	S3	(MK4 ,26) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		B (55)		97	250	49	S3	(MK4 ,26) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		C (73)		129	250	49	S3	(MK4 ,26) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		E (86)		155	225	44	S3	(MK4 ,26) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		J (95)		170	225	44	S3	(MK4 ,26) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		O (125)		222	200	39	S3	(MK4 ,26) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		R (137)		243	200	39	S3	(MK4 ,26) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		S (150)		266	190	37	S3	(MK4 ,26) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
		T (165)		292	175	34	S3	(MK4 ,26) CLUTCH SHIFT	AD530-1X 6240S	ENG	O1	
6000		Forward (73)		129	150	30	S3	(MK4 ,26)	AD530-1X 6240S	BOTH	O1	
		Reverse (-83)		147	150	30	S3	(MK4 ,26)	AD530-1X 6240S	BOTH	O1	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		89	250	49	INCL	(MK26)	8190S	OPP	O1	
		B (55)		97	250	49	INCL	(MK26)	8190S	OPP	O1	
		C (73)		129	250	49	INCL	(MK26)	8190S	OPP	O1	
		E (86)		154	225	44	INCL	(MK26)	8190S	OPP	O1	
		J (95)		168	225	44	INCL	(MK26)	8190S	OPP	O1	
		O (125)		222	200	39	INCL	(MK26)	8190S	OPP	O1	
		R (137)		243	200	39	INCL	(MK26)	8190S	OPP	O1	
		S (150)		266	190	37	INCL	(MK26)	8190S	OPP	O1	
		T (165)		292	175	34	INCL	(MK26)	8190S	OPP	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

TRXL-1070
TRXL-1070A

TRXL-10710
X-1070

X-1070A
X-10710

X-10710A

MCK.22

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
3800		Z (40)		71	250	49	INCL	(MK26) CLUTCH SHIFT	8190S	OPP	O1	3L 
		A (50)		89	250	49	INCL	(MK26) CLUTCH SHIFT	8190S	OPP	O1	
		B (55)		97	250	49	INCL	(MK26) CLUTCH SHIFT	8190S	OPP	O1	
		C (73)		129	250	49	INCL	(MK26) CLUTCH SHIFT	8190S	OPP	O1	
		E (86)		155	225	44	INCL	(MK26) CLUTCH SHIFT	8190S	OPP	O1	
		J (95)		170	225	44	INCL	(MK26) CLUTCH SHIFT	8190S	OPP	O1	
		O (125)		222	200	39	INCL	(MK26) CLUTCH SHIFT	8190S	OPP	O1	
		R (137)		243	200	39	INCL	(MK26) CLUTCH SHIFT	8190S	OPP	O1	
		S (150)		266	190	37	INCL	(MK26) CLUTCH SHIFT	8190S	OPP	O1	
		T (165)		292	175	34	INCL	(MK26) CLUTCH SHIFT	8190S	OPP	O1	
4100		B (57)		97	450	87	INCL	(MK2 ,26)	8190S	OPP	O1	3L 
		C (70)		119	470	90	INCL	(MK2 ,26)	8190S	OPP	O1	
		E (86)		146	470	90	INCL	(MK2 ,26)	8190S	OPP	O1	
		J (105)		178	400	77	INCL	(MK2 ,26)	8190S	OPP	O1	
6800		Forward (55)		129	150	30	INCL	(MK26)	8190S	BOTH	O1	3L 
		Reverse (-52)		147	150	30	INCL	(MK26)	8190S	BOTH	O1	
8000		Forward (40)		73	500	95	INCL	(MK26)	8190S	BOTH	O1	3L 
		Reverse (50)		87	500	95	INCL	(MK26)	8190S	BOTH	O1	
8500		B (57)		67	500	95	INCL	(MK26)	8190S	OPP	O1	3L 
		C (70)		89	500	95	INCL	(MK26)	8190S	OPP	O1	
		E (86)		106	480	90	INCL	(MK26)	8190S	OPP	O1	
		J (105)		132	450	86	INCL	(MK26)	8190S	OPP	O1	
		O (127)		152	400	76	INCL	(MK26)	8190S	OPP	O1	
		R (137)		167	360	68	INCL	(MK26)	8190S	OPP	O1	
		S (150)		183	320	62	INCL	(MK26)	8190S	OPP	O1	
		T (165)		201	280	54	INCL	(MK26)	8190S	OPP	O1	

FOOT NOTES:

MK2: Possible internal transmission interference with 4000/4100 Series "J" & "O" ratios. Check before installing PTO.

MK4: PTO should be filled with oil before start-up due to location of PTO opening. Check transmission oil level after initial start-up run.

MK26: Speeds shown with transmission in 4TH gear. For PTO output speeds with transmission in any other gear, use the following multipliers:

1st	2nd	3rd	4th	5th
0.191	0.328	0.578	1.000	1.670

For complete part numbers, consult the PTO Series section (page 25)

T-1070

T-1070B

TRDL-1070

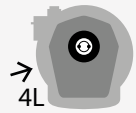
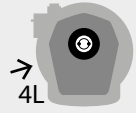
TRDLG-1070

TRTXL-1070

TRTXL-1070B

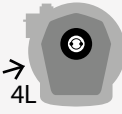
MCK.23

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		125	250	49	S3	(MK1 ,3 ,4)	AD530-1X 6240S	ENG	O1	
		C (73)		166	250	49	S3	(MK1 ,3 ,4)	AD530-1X 6240S	ENG	O1	
		E (86)		198	225	44	S3	(MK1 ,3 ,4)	AD530-1X 6240S	ENG	O1	
		J (95)		216	225	44	S3	(MK1 ,3 ,4)	AD530-1X 6240S	ENG	O1	
		O (125)		285	200	39	S3	(MK1 ,3 ,4)	AD530-1X 6240S	ENG	O1	
		R (137)		312	200	39	S3	(MK1 ,3 ,4)	AD530-1X 6240S	ENG	O1	
		S (150)		342	190	37	S3	(MK1 ,3 ,4)	AD530-1X 6240S	ENG	O1	
6000		T (165)		376	175	34	S3	(MK1 ,3 ,4)	AD530-1X 6240S	ENG	O1	
		Forward (73)		166	150	30	S3	(MK1 ,3 ,4)	AD530-1X 6240S	BOTH	O1	
		Reverse (-83)		189	150	30	S3	(MK1 ,3 ,4)	AD530-1X 6240S	BOTH	O1	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		114	250	49	INCL	(MK1 ,3)	8190S	OPP	O1	
		B (55)		125	250	49	INCL	(MK1 ,3)	8190S	OPP	O1	
		C (73)		166	250	49	INCL	(MK1 ,3)	8190S	OPP	O1	
		E (86)		198	225	44	INCL	(MK1 ,3)	8190S	OPP	O1	
		J (95)		216	225	44	INCL	(MK1 ,3)	8190S	OPP	O1	
		O (125)		285	200	39	INCL	(MK1 ,3)	8190S	OPP	O1	
		R (137)		312	200	39	INCL	(MK1 ,3)	8190S	OPP	O1	
		S (150)		342	190	37	INCL	(MK1 ,3)	8190S	OPP	O1	
		T (165)		376	175	34	INCL	(MK1 ,3)	8190S	OPP	O1	
6800		Forward (55)		166	150	30	INCL	(MK1 ,3)	8190S	BOTH	O1	
		Reverse (-52)		189	150	30	INCL	(MK1 ,3)	8190S	BOTH	O1	
8000		Forward (40)		94	500	95	INCL	(MK1 ,3)	8190S	BOTH	O1	
		Reverse (50)		112	500	95	INCL	(MK1 ,3)	8190S	BOTH	O1	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
8500		B (57)		86	500	95	INCL	(MK1 ,3)	8190S	OPP	O1	
		C (70)		114	500	95	INCL	(MK1 ,3)	8190S	OPP	O1	
		E (86)		136	480	90	INCL	(MK1 ,3)	8190S	OPP	O1	
		J (105)		169	450	86	INCL	(MK1 ,3)	8190S	OPP	O1	
		O (127)		196	400	76	INCL	(MK1 ,3)	8190S	OPP	O1	
		R (137)		215	360	68	INCL	(MK1 ,3)	8190S	OPP	O1	
		S (150)		235	320	62	INCL	(MK1 ,3)	8190S	OPP	O1	
		T (165)		259	280	54	INCL	(MK1 ,3)	8190S	OPP	O1	

FOOT NOTES:

- MK1:** Speeds shown with transmission in 5TH Gear. For PTO output speeds with transmission in any other gear use the following multipliers:

1st	2nd	3rd	4th
0.116	0.200	0.353	0.603
- MK2:** Possible internal transmission interference with 4000/4100 Series "J" & "O" ratios. Check before installing PTO.
- MK3:** CAUTION: Transmission has a low range compound section. If transmission is operated in this low range, then multiply PTO output speed by .594. This is in addition to any speed reduction in the lower gears.
- MK4:** PTO should be filled with oil before start-up due to location of PTO opening. Check transmission oil level after initial start-up run.

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assembly
			Low	High								
	1196K03	100%	70	88	609	84	INCL	(MK27 ,28)	116504	OPP		
	11113k03	130%	91	117	465	97	INCL	(MK27 ,28)	116504	ENG		
	1198K03	132%	92	119	310	42	INCL	(MK27 ,28)	116504	ENG		
	11123K03	162%	113	146	413	57	INCL	(MK27 ,28)	116704	ENG		
	11111K03	180%	126	158	361	76	INCL	(MK27 ,28)	116504	ENG		
	11104K03	185%	130	163	413	57	INCL	(MK27 ,28 ,CLUTCH SHIFT)	116504	ENG		
	11107KXXX		[1]: 59 [2]: 129	[1]: 76 [2]: 166	332 369	64 71	INCL	(MK [1]=SHAFT 1 [2]=SHAFT 2,27,28)	116704	(1)ENG (2)OPP		

FOOT NOTES:

- MK27:** If Hi/Low speed option is required chassis needs to be ordered with PTO prep package and premium shifter.
- MK28:** Dealer must flash TCM (Transmission Control Module) for PTO recognition when using factory installed Prep package.

For complete part numbers, consult the PTO Series section (page 25)

TMD-12AFO TMD-12AO-HD TMD-13AO TMD-14AO
TMD-12AFO-HD TMD-12AO-HDX TMD-14AFO-HD TMD-3112
TMD-12AO TMD-13AFO-HD TMD-14AFO-HDX

MCK.26

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assembly
			Low	High								
	1196K03	100%	90	115	609	84	INCL	(MK27 ,28)	116504	OPP		
	11113k03	130%	117	150	465	97	INCL	(MK27 ,28)	116504	ENG		
	1198K03	132%	119	152	310	42	INCL	(MK27 ,28)	116504	ENG		
	11123K03	162%	146	187	413	57	INCL	(MK27 ,28)	116704	ENG		
	11111K03	180%	162	207	361	76	INCL	(MK27 ,28)	116504	ENG		
	11104K03	185%	167	213	413	57	INCL	(MK27 ,28 ,CLUTCH SHIFT)	116504	ENG		
	11107KXXX		[1]: 76 [2]: 166	[1]: 97 [2]: 212	332 369	64 71	INCL	(MK [1]=SHAFT 1 [2]=SHAFT 2,27,28)	116704	(1)ENG (2)OPP		

FOOT NOTES:

- MK27:** If Hi/Low speed option is required chassis needs to be ordered with PTO prep package and premium shifter.
- MK28:** Dealer must flash TCM (Transmission Control Module) for PTO recognition when using factory installed Prep package.

//////////////////////////////////// For complete part numbers, consult the PTO Series section (page 25) //////////////////////////////////////

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G2/24-5/7.31	310	G330-12/11.64-0.78 NewAMT	313
G3 36-5/8.98	301	G330-12K/11.64-0.78	313
G3 40-5/7.508	304	GV4 65-6/9	304
G3 45-6/8.5	303	GV4 95-6/9	304
G3 50-5/8.5	302	GV4 110-6/9	304
G3 55-6/8.5	303	MB-1 (ORIGINAL)	301
G3 60-5/5.4	307	MBT-520-6DA	303
G3 60-5/6.106	306	MBT-520S-6D	303
G3 60-5/7.5	304	MBT-660-60A	306
G3 61-5/6.1	306	MBT-660S-60	306
G3 65-8/9.29	307	NSG 370-6	311
G3 65-9/13.36	307	NSG 400-6	311
G3 90-8/9.29	307	TSG 360	311
G3 90-9/13.36	307	TSG 480	311
G4 65-6/9	304		
G4 65-7/11	302		
G4 95-6/9	304		
G4 95-7/11	302		
G4 110-6/9	304		
G20	301		
G28	311		
G32	311		
G33	311		
G56-6/6.29-078.	305		
G60-6/9.2	303		
G71-6/9.20-1.0	303		
G85-6/6.7	306		
G90-6/6.70-0.73	306		
G100	302		
G125-9/15.9	310		
G125-16/11.9	312		
G125-16/14	309		
G131-9/14.57-1.0	308		
G135-16/11.9	312		
G140-8	305		
G141-9/14.57-1.0	307		
G155-9/15.9	310		
G155-16/11.9	312		
G155-16/14	309		
G180-16/11.9	312		
G180-16/14	309		
G200-16/11.9	311		
G210-16/14.2-0.83	310		
G211-12/14.93-1.0 NewAMT	314		
G211-12K/14.93-1.0	314		
G211-16/17.0	314		
G221-9/16.15-1.0	308		
G230-12/11.67-0.78 NewAMT	313		
G230-12K/11.67-0.78	313		
G230-16S/14.2-0.83	313		
G231-16/17.0	307		
G240-16/11.7	312		
G241-16K/17.0-1.0	307		
G260-16/9.75-0.57	313		
G280-16/11.72-0.69 NewAMT	312		
G280-16K/11.72-0.69	312		
G281-12/14.93-1.0 NewAMT	309		

Mercedes

MB-1 (ORIGINAL)

MER.01

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	0718203	100%	0	0	435	84	INCL			ENG		
	0714503	132%	0	0	310	60	INCL			OPP		

G20

MER.02

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	0715703	133%	0		310	60	INCL			OPP		3L → 

G3 36-5/8.98

MER.03

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	0714003	130%	51	0	361	70	INCL			OPP		
	073503	132%	52	0	310	60	INCL			OPP		
	0724703	180%	71	0	361	70	INCL	H.DUTY, ROTATED OUTPUT		OPP		

For complete part numbers, consult the PTO Series section (page 25)

Mercedes

G4 65-7/11

G4 95-7/11

MER.04

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
0718403		100%	41	0	516	100	INCL			ENG		
0710703		130%	53	0	361	70	INCL			OPP		
074103		132%	54	0	310	60	INCL			OPP		
079203		165%	67	0	310	60	INCL			ENG		
0725003		180%	73	0	361	70	INCL	H.DUTY, ROTATED OUTPUT		OPP		
077503		200%	82	0	310	60	INCL			ENG		

G3 50-5/8.5

MER.05

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
0714003		130%	55	0	361	70	INCL			OPP		
073503		132%	55	0	310	60	INCL			OPP		
0724703		180%	75	0	361	70	INCL	H.DUTY, ROTATED OUTPUT		OPP		

G100

MER.06

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
0718103		100%	42	50	516	100	INCL			ENG		
0710403		130%	55	65	420	81	INCL			OPP		
078203		132%	55	66	310	60	INCL			OPP		
078503		140%	59	70	310	60	INCL			ENG		
078403		165%	69	82	310	60	INCL			ENG		
0725903		180%	75	90	361	64	INCL	H.DUTY, ROTATED OUTPUT		OPP		
078603		200%	84	100	310	60	INCL			ENG		

For complete part numbers, consult the PTO Series section (page 25)

Mercedes

G60-6/9.2

G71-6/9.20-1.0

MBT-520-6DA

MBT-520S-6D

MER.07

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		C (73)	53		250	47	M1			OPP	70	
		E (86)	63		225	43	M1			OPP	70	
		J (95)	69		225	43	M1			OPP	70	
		O (125)	90		195	37	M1			OPP	70	
		R (137)	99		180	34	M1			OPP	70	
		S (150)	108		162	31	M1			OPP	70	
		T (165)	119		148	28	M1			OPP	70	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
0712103		130%	58	0	361	70	INCL			OPP		
076003		132%	59	0	310	60	INCL			OPP		
0717803		140%	63	0	310	60	INCL	H.DUTY, ROTATED OUTPUT		ENG		
0725303		180%	81	0	361	70	INCL			OPP		
077403		200%	90	0	310	60	INCL			ENG		

G3 45-6/8.5

G3 55-6/8.5

MER.08

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
0714003		130%	60	0	361	70	INCL			OPP		
073503		132%	61	0	310	60	INCL			OPP		
0724703		180%	83	0	361	70	INCL	H.DUTY, ROTATED OUTPUT		OPP		

For complete part numbers, consult the PTO Series section (page 25)

Mercedes

G4 110-6/9

G4 65-6/9

G4 95-6/9

MER.09

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	
			Low	High								
	0718403	100%	47	0	516	100	INCL			ENG		
	0710703	130%	61	0	361	70	INCL			OPP		
	074103	132%	62	0	310	60	INCL			OPP		
	079203	165%	77	0	310	60	INCL			ENG		
	0725003	180%	85	0	361	70	INCL	H.DUTY, ROTATED OUTPUT		OPP		
	077503	200%	94	0	310	60	INCL			ENG		

GV4 110-6/9

GV4 65-6/9

GV4 95-6/9

MER.10

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	
			Low	High								
	0718403	100%	47	56	516	100	INCL			ENG		
	0710703	130%	61	73	361	70	INCL			OPP		
	074103	132%	62	74	310	60	INCL			OPP		
	079203	165%	77	93	310	60	INCL			ENG		
	0725003	180%	85	102	361	70	INCL	H.DUTY, ROTATED OUTPUT		OPP		
	077503	200%	94	112	310	60	INCL			ENG		

G3 40-5/7.508

G3 60-5/7.5

MER.11

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	
			Low	High								
	0714003	130%	61	0	361	70	INCL			OPP		
	073503	132%	62	0	310	60	INCL			OPP		
	0724703	180%	85	0	361	70	INCL	H.DUTY, ROTATED OUTPUT		OPP		

For complete part numbers, consult the PTO Series section (page 25)

Mercedes

G140-8

MER.12

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	0718103	100%	48	76	516	100	INCL			ENG		
	0710403	130%	62	99	420	81	INCL			OPP		
	078203	132%	63	100	310	60	INCL			OPP		
	078503	140%	67	106	310	60	INCL			ENG		
	078403	165%	79	125	310	60	INCL	H.DUTY, ROTATED OUTPUT		ENG		
	0725903	180%	87	137	361	70	INCL			OPP		
	078603	200%	96	152	310	60	INCL			ENG		

G56-6/6.29-078.

MER.13

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1200		C (73)	60		250	47	INCL	(MB3) DODGE		OPP	69	
		E (86)	70		225	43	INCL	(MB3) DODGE		OPP	69	
		J (95)	77		225	43	INCL	(MB3) DODGE		OPP	69	
		O (125)	101		200	38	INCL	(MB3) DODGE		OPP	69	
		R (137)	111		200	38	INCL	(MB3) DODGE		OPP	69	
		S (150)	121		190	36	INCL	(MB3) DODGE		OPP	69	
		T (165)	134		175	33	INCL	(MB3) DODGE		OPP	69	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	0716303	132%	74	0	258	50	INCL			OPP		
	0725603	180%	100	0	361	70	INCL	H.DUTY, ROTATED OUTPUT		OPP		

For complete part numbers, consult the PTO Series section (page 25)

Mercedes

G3 61-5/6.1

MER.14

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	0714003	130%	75	0	361	70	INCL			OPP		
	073503	132%	76	0	310	60	INCL			OPP		
	0724703	180%	104	0	361	70	INCL	H.DUTY, ROTATED OUTPUT		OPP		

G3 60-5/6.106

MER.15

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	0714003	130%	75	0	361	70	INCL			OPP		
	073503	132%	77	0	310	60	INCL			OPP		
	0724703	180%	105	0	361	70	INCL	H.DUTY, ROTATED OUTPUT		OPP		

G85-6/6.7

G90-6/6.70-0.73

MBT-660-60A

MBT-660S-60

MER.16

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	0712103	130%	81	0	361	70	INCL			OPP		
	076003	132%	82	0	310	60	INCL			OPP		
	0717803	140%	87	0	310	60	INCL			ENG		
	0725303	180%	112	0	361	70	INCL	H.DUTY, ROTATED OUTPUT		OPP		
	077403	200%	125	0	310	60	INCL			ENG		

For complete part numbers, consult the PTO Series section (page 25)

G3 60-5/5.4

MER.17

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	0714003	130%	84	0	361	70	INCL			OPP		
	073503	132%	86	0	310	60	INCL			OPP		
	0724703	180%	117	0	361	70	INCL	H.DUTY, ROTATED OUTPUT		OPP		

G3 65-8/9.29

G3 65-9/13.36

G3 90-8/9.29

G3 90-9/13.36

MER.18

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	070803	132%	70	0	310	60	INCL			OPP		

G141-9/14.57-1.0

G231-16/17.0

G241-16K/17.0-1.0

MER.19

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	07217K03	100%	71	85	516	100	INCL		L=252 700904 L=277 703704	ENG		
	07233K03	104%	74	88	590	114	INCL		L=252 700904 L=277 703704	OPP		
	07221K03	110%	68	82	369	71	INCL		L=252 700904 L=277 703704	OPP		
	07225K03	126%	89	107	516	100	INCL		L=252 700904 L=277 703704	OPP		
	07218K03	130%	92	110	420	81	INCL		L=252 700904 L=277 703704	OPP		
	07219K03	132%	94	112	310	60	INCL		L=252 700904 L=277 703704	OPP		
	07220K03	153%	109	130	310	60	INCL		L=252 700904 L=277 703704	OPP		
	07240K03	180%	128	153	361	70	INCL	H.DUTY, ROTATED OUTPUT	L=252 700904 L=277 703704	OPP		
	07232K03	185%	131	157	369	71	INCL	BUILT-IN CLUTCH	L=252 700904 L=277 703704	OPP		
	07223K03	200%	142	170	310	60	INCL		L=252 700904 L=277 703704	ENG		

Important Note: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit. (See adapters).

For complete part numbers, consult the PTO Series section (page 25)

Mercedes

G131-9/14.57-1.0

MER.20

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	07217K03	100%	74	0	516	100	INCL		L=252 700904 L=277 703704	ENG		
	07221K03	110%	71	0	369	71	INCL		L=252 700904 L=277 703704	OPP		
	07225K03	126%	93	0	516	100	INCL		L=252 700904 L=277 703704	OPP		
	07218K03	130%	96	0	420	81	INCL		L=252 700904 L=277 703704	OPP		
	07219K03	132%	98	0	310	60	INCL		L=252 700904 L=277 703704	OPP		
	07220K03	153%	113	0	310	60	INCL		L=252 700904 L=277 703704	OPP		
	07240K03	180%	133	0	361	70	INCL	H.DUTY, ROTATED OUTPUT	L=252 700904 L=277 703704	OPP		

Important Note: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit. (See adapters).

G221-9/16.15-1.0

MER.21

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	07217K03	100%	74	0	516	100	INCL		L=252 700904 L=277 703704	ENG		
	07233K03	104%	77	0	590	114	INCL		L=252 700904 L=277 703704	OPP		
	07221K03	110%	71	0	369	71	INCL		L=252 700904 L=277 703704	OPP		
	07225K03	126%	93	0	516	100	INCL		L=252 700904 L=277 703704	OPP		
	07218K03	130%	96	0	420	81	INCL		L=252 700904 L=277 703704	OPP		
	07219K03	132%	98	0	310	60	INCL		L=252 700904 L=277 703704	OPP		
	07220K03	153%	113	0	310	60	INCL		L=252 700904 L=277 703704	OPP		
	07240K03	180%	133	0	361	70	INCL	H.DUTY, ROTATED OUTPUT	L=252 700904 L=277 703704	OPP		
	07232K03	185%	137	0	369	71	INCL	BUILT-IN CLUTCH	L=252 700904 L=277 703704	OPP		
	07223K03	200%	148	0	310	60	INCL		L=252 700904 L=277 703704	ENG		

Important Note: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit. (See adapters).

For complete part numbers, consult the PTO Series section (page 25)

Mercedes

G125-16/14

G155-16/14

G180-16/14

MER.22

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	075703	132%	107	126	310	60	INCL			OPP		
	077603	165%	133	158	310	60	INCL			ENG		
	075403	200%	161	192	310	60	INCL			ENG		

G281-12/14.93-1.0 NewAMT

G281-12K/14.93-1.0

MER.23

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	07217K03	100%	81	103	516	100	INCL		L=293 7018104 L=268 7018304	ENG		
	07233K03	104%	84	107	590	114	INCL		L=293 7018104 L=268 7018304	OPP		
	07221K03	110%	89	113	369	71	INCL		L=293 7018104 L=268 7018304	OPP		
	07225K03	126%	102	130	516	100	INCL		L=293 7018104 L=268 7018304	OPP		
	07218K03	130%	105	134	420	81	INCL		L=293 7018104 L=268 7018304	OPP		
	07219K03	132%	107	136	310	60	INCL		L=293 7018104 L=268 7018304	OPP		
	07220K03	153%	124	158	310	60	INCL		L=293 7018104 L=268 7018304	OPP		
	027240K03	180%	146	185	361	70	INCL	H.DUTY, ROTA- TED OUTPUT	L=293 7018104 L=268 7018304	OPP		
	07232K03	185%	150	191	369	71	INCL	BUILT-IN CLUTCH	L=293 7018104 L=268 7018304	OPP		
	07223K03	200%	162	206	310	60	INCL		L=293 7018104 L=268 7018304	ENG		

Important Note: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit. (See adapters).

For complete part numbers, consult the PTO Series section (page 25)

Mercedes

G210-16/14.2-0.83

MER.24

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	07217K03	100%	85	103	516	100	INCL		L=252 700904 L=277 703704	ENG		
	07233K03	104%	88	107	590	114	INCL		L=252 700904 L=277 703704	OPP		
	07221K03	110%	82	99	369	71	INCL		L=252 700904 L=277 703704	OPP		
	07225K03	126%	107	130	516	100	INCL		L=252 700904 L=277 703704	OPP		
	07218K03	130%	110	134	420	81	INCL		L=252 700904 L=277 703704	OPP		
	07219K03	132%	112	136	310	60	INCL		L=252 700904 L=277 703704	OPP		
	07220K03	153%	130	158	310	60	INCL		L=252 700904 L=277 703704	OPP		
	027240K03	180%	153	185	361	70	INCL	H.DUTY, ROTA-TED OUTPUT	L=252 700904 L=277 703704	OPP		
	07232K03	185%	157	191	369	71	INCL	BUILT-IN CLUTCH	L=252 700904 L=277 703704	OPP		
	07223K03	200%	170	206	310	60	INCL		L=252 700904 L=277 703704	ENG		

G125-9/15.9

G155-9/15.9

MER.25

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	075703	132%	114	0	310	60	INCL			OPP		
	077603	165%	142	0	310	60	INCL			ENG		
	075403	200%	172	0	310	60	INCL			ENG		

G2/24-5/7.31

MER.26

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	079103	133%	117	0	206	40	INCL			OPP		3L → 

For complete part numbers, consult the PTO Series section (page 25)

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Mercedes

G28

G32

G33

MER.27

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	075203	100%	90	0	140	27	INCL	SUPPORTED BY BALL BEARING		ENG		
	075303	100%	90	0	140	27	INCL	SUPPORTED BY TAPER ROLLER BEARING		ENG		

NSG 370-6

NSG 400-6

TSG 360

TSG 480

MER.28

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	0717403	100%	90	0	140	27	INCL	SUPPORTED BY TAPER ROLLER BEARING		ENG		
	0717503	100%	90	0	140	27	INCL	SUPPORTED BY BALL BEARING		ENG		

G200-16/11.9

MER.29

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	075703	132%	125	149	310	60	INCL			OPP		
	077603	165%	157	186	310	60	INCL			ENG		
	075403	200%	190	225	310	60	INCL			ENG		

G2/24-5/6.71

MER.30

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	079103	133%	127	0	206	40	INCL			OPP		3L → 

For complete part numbers, consult the PTO Series section (page 25)

Mercedes

G125-16/11.9

G135-16/11.9

G155-16/11.9

G180-16/11.9

MER.31

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	075703	132%	126	149	310	60	INCL			OPP		
	077603	165%	158	186	310	60	INCL			ENG		
	075403	200%	192	226	310	60	INCL			ENG		

G240-16/11.7

G280-16/11.72-0.69 NewAMT

G280-16K/11.72-0.69

MER.32

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	07217K03	100%	103	124	516	100	INCL		L=252 700904 L=277 703704	ENG		
	07233K03	104%	107	129	590	114	INCL		L=252 700904 L=277 703704	OPP		
	07221K03	110%	113	136	369	71	INCL		L=252 700904 L=277 703704	OPP		
	07225K03	126%	130	156	516	100	INCL		L=252 700904 L=277 703704	OPP		
	07218K03	130%	134	161	420	81	INCL		L=252 700904 L=277 703704	OPP		
	07219K03	132%	136	164	310	60	INCL		L=252 700904 L=277 703704	OPP		
	07220K03	153%	158	190	310	60	INCL		L=252 700904 L=277 703704	OPP		
	027240K03	180%	185	223	361	70	INCL	H.DUTY, ROTATED OUTPUT	L=252 700904 L=277 703704	OPP		
	07232K03	185%	191	229	369	71	INCL	BUILT-IN CLUTCH	L=252 700904 L=277 703704	OPP		
	07223K03	200%	206	248	310	60	INCL		L=252 700904 L=277 703704	ENG		

Important Note: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit. (See adapters).

For complete part numbers, consult the PTO Series section (page 25)

G230-12/11.67-0.78 NewAMT
G230-12K/11.67-0.78

G230-16S/14.2-0.83
G330-12/11.64-0.78 NewAMT

G330-12K/11.64-0.78

MER.33

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	07217K03	100%	103	132	516	100	INCL		L=252 700904 L=277 703704	ENG		
	07233K03	104%	107	137	590	114	INCL		L=252 700904 L=277 703704	OPP		
	07221K03	110%	113	145	369	71	INCL		L=252 700904 L=277 703704	OPP		
	07225K03	126%	130	166	516	100	INCL		L=252 700904 L=277 703704	OPP		
	07218K03	130%	134	172	420	81	INCL		L=252 700904 L=277 703704	OPP		
	07219K03	132%	136	174	310	60	INCL		L=252 700904 L=277 703704	OPP		
	07220K03	153%	158	202	310	60	INCL		L=252 700904 L=277 703704	OPP		
	027240K03	180%	185	238	361	70	INCL	H.DUTY, ROTATED OUTPUT	L=252 700904 L=277 703704	OPP		
	07232K03	185%	191	244	369	71	INCL	BUILT-IN CLUTCH	L=252 700904 L=277 703704	OPP		
	07223K03	200%	206	264	310	60	INCL		L=252 700904 L=277 703704	ENG		

Important Note: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit. (See adapters).

G260-16/9.75-0.57

MER.34

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	07217K03	100%	124	150	516	100	INCL		L=252 700904 L=277 703704	ENG		
	07233K03	104%	129	156	590	114	INCL		L=252 700904 L=277 703704	OPP		
	07221K03	110%	119	144	369	71	INCL		L=252 700904 L=277 703704	OPP		
	07225K03	126%	156	189	516	100	INCL		L=252 700904 L=277 703704	OPP		
	07218K03	130%	161	195	420	81	INCL		L=252 700904 L=277 703704	OPP		
	07219K03	132%	164	198	310	60	INCL		L=252 700904 L=277 703704	OPP		
	07220K03	153%	190	230	310	60	INCL		L=252 700904 L=277 703704	OPP		
	027240K03	180%	223	270	361	70	INCL	H.DUTY, ROTATED OUTPUT	L=252 700904 L=277 703704	OPP		
	07232K03	185%	229	278	369	71	INCL	BUILT-IN CLUTCH	L=252 700904 L=277 703704	OPP		
	07223K03	200%	248	300	310	60	INCL		L=252 700904 L=277 703704	ENG		

Important Note: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit. (See adapters).

For complete part numbers, consult the PTO Series section (page 25)

Mercedes

G211-12/14.93-1.0 NewAMT

G211-12K/14.93-1.0

MER.35

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	07217K03	100%	81	103	516	100	INCL		L=252 700904 L=277 703704	ENG		
	07233K03	104%	84	107	590	114	INCL		L=252 700904 L=277 703704	OPP		
	07221K03	110%	89	113	369	71	INCL		L=252 700904 L=277 703704	OPP		
	07225K03	126%	102	130	516	100	INCL		L=252 700904 L=277 703704	OPP		
	07218K03	130%	105	134	420	81	INCL		L=252 700904 L=277 703704	OPP		
	07219K03	132%	107	136	310	60	INCL		L=252 700904 L=277 703704	OPP		
	07220K03	153%	124	158	310	60	INCL		L=252 700904 L=277 703704	OPP		
	027240K03	180%	146	185	361	70	INCL	H.DUTY, ROTA-TED OUTPUT	L=252 700904 L=277 703704	OPP		

Important Note: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit. (See adapters).

G211-16/17.0

MER.36

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	07217K03	100%	71	85	516	100	INCL		L=252 700904 L=277 703704	ENG		
	07233K03	104%	74	88	590	114	INCL		L=252 700904 L=277 703704	OPP		
	07221K03	110%	78	93	369	71	INCL		L=252 700904 L=277 703704	OPP		
	07225K03	126%	89	107	516	100	INCL		L=252 700904 L=277 703704	OPP		
	07218K03	130%	92	110	420	81	INCL		L=252 700904 L=277 703704	OPP		
	07219K03	132%	94	112	310	60	INCL		L=252 700904 L=277 703704	OPP		
	07220K03	153%	109	130	310	60	INCL		L=252 700904 L=277 703704	OPP		
	027240K03	180%	128	153	361	70	INCL	H.DUTY, ROTA-TED OUTPUT	L=252 700904 L=277 703704	OPP		

Important Note: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit. (See adapters).

For complete part numbers, consult the PTO Series section (page 25)

Navistar International

T14 W/O Retarder

INT.01

 13 Bolts	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1015K03		100%	76	97	609	118	INCL		096104	OPP		
102K203-1		130%	137	175	465	90	INCL		096104	ENG		
1010K03-1		132%	100	128	310	60	INCL		096104	ENG		
102K103-1		150%	114	146	413	80	INCL		096104	ENG		
102K003-1		180%	137	175	361	70	INCL		096104	ENG		

T14 W/Retarder

INT.02

 13 Bolts	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1015K03		100%	76	97	609	118	INCL		096004	OPP		
102K203-1		130%	137	175	465	90	INCL		096004	ENG		
1010K03-1		132%	100	128	310	60	INCL		096004	ENG		
102K103-1		150%	114	146	413	80	INCL		096004	ENG		
102K003-1		180%	137	175	361	70	INCL		096004	ENG		

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EXAMPLE:

Pto Series

Internal Ratio

Input Gear

Output Type

1000

X

C

N

01

1

RA

Lube

Shifting

Assy



New Process

542-CL

542-GL

NPR.04

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		21	250	47	INCL			ENG	01	
		C (73)		28	250	47	INCL			ENG	01	
		E (86)		34	225	43	INCL			ENG	01	
		J (95)		37	225	43	INCL			ENG	01	
		O (125)		48	195	37	INCL			ENG	01	
		R (137)		53	180	34	INCL			ENG	01	
		S (150)		58	162	31	INCL			ENG	01	
		T (165)		64	148	28	INCL			ENG	01	
1000		B (55)		21	250	47	S3		6187S	OPP	36	
		C (73)		28	250	47	S3		6187S	OPP	36	
		E (86)		34	225	43	S3		6187S	OPP	36	
		J (95)		37	225	43	S3		6187S	OPP	36	
		O (125)		48	195	37	S3		6187S	OPP	36	
		R (137)		53	180	34	S3		6187S	OPP	36	
		S (150)		58	162	31	S3		6187S	OPP	36	
		T (165)		64	148	28	S3		6187S	OPP	36	
3200		Z (40)		18	250	47	INCL			ENG	01	
		A (50)		22	250	47	INCL			ENG	01	
		B (55)		24	250	47	INCL			ENG	01	
		C (73)		32	250	47	INCL			ENG	01	
		E (86)		39	225	43	INCL			ENG	01	
		J (95)		42	225	43	INCL			ENG	01	
		O (125)		56	195	37	INCL			ENG	01	
		R (137)		61	180	34	INCL			ENG	01	
		S (150)		67	162	31	INCL			ENG	01	
3200		T (165)		73	148	28	INCL			ENG	01	
		Z (40)		18	250	47	S3		6187S	OPP	36	
		A (50)		22	250	47	S3		6187S	OPP	36	
		B (55)		24	250	47	S3		6187S	OPP	36	
		C (73)		32	250	47	S3		6187S	OPP	36	
		E (86)		39	225	43	S3		6187S	OPP	36	
		J (95)		42	225	43	S3		6187S	OPP	36	
		O (125)		56	195	37	S3		6187S	OPP	36	
		R (137)		61	180	34	S3		6187S	OPP	36	
		S (150)		67	162	31	S3		6187S	OPP	36	
6000		T (165)		73	148	28	S3		6187S	OPP	36	
		Forward (73)		32	150	28	INCL			BOTH	01	
6000		Reverse (83)		37	150	28	INCL			BOTH	01	
		Forward (73)		32	150	28	S3		6187S	BOTH	36	
6000		Reverse (83)		37	150	28	S3		6187S	BOTH	36	
		Forward (73)		32	150	28	S3		6187S	BOTH	36	

For complete part numbers, consult the PTO Series section (page 25)

New Process

542-DL

542-FL

NPR.05

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		21	250	47	INCL			ENG	01	
		C (73)		28	250	47	INCL			ENG	01	
		E (86)		34	225	43	INCL			ENG	01	
		J (95)		37	225	43	INCL			ENG	01	
		O (125)		48	195	37	INCL			ENG	01	
		R (137)		53	180	34	INCL			ENG	01	
		S (150)		58	162	31	INCL			ENG	01	
		T (165)		64	148	28	INCL			ENG	01	
1000		B (55)		20	250	47	INCL		GA6062	OPP	36	
		C (73)		27	250	47	INCL		GA6062	OPP	36	
		E (86)		32	225	43	INCL		GA6062	OPP	36	
		J (95)		35	225	43	INCL		GA6062	OPP	36	
		O (125)		46	195	37	INCL		GA6062	OPP	36	
		R (137)		50	180	34	INCL		GA6062	OPP	36	
		S (150)		55	162	31	INCL		GA6062	OPP	36	
		T (165)		61	148	28	INCL		GA6062	OPP	36	
3200		Z (40)		18	250	47	INCL			ENG	01	
		A (50)		22	250	47	INCL			ENG	01	
		B (55)		24	250	47	INCL			ENG	01	
		C (73)		32	250	47	INCL			ENG	01	
		E (86)		39	225	43	INCL			ENG	01	
		J (95)		42	225	43	INCL			ENG	01	
		O (125)		56	195	37	INCL			ENG	01	
		R (137)		61	180	34	INCL			ENG	01	
		S (150)		67	162	31	INCL			ENG	01	
3200		T (165)		73	148	28	INCL			ENG	01	
		Z (40)		18	250	47	INCL		GA6062	OPP	36	
		A (50)		22	250	47	INCL		GA6062	OPP	36	
		B (55)		24	250	47	INCL		GA6062	OPP	36	
		C (73)		32	250	47	INCL		GA6062	OPP	36	
		E (86)		39	225	43	INCL		GA6062	OPP	36	
		J (95)		42	225	43	INCL		GA6062	OPP	36	
		O (125)		56	195	37	INCL		GA6062	OPP	36	
		R (137)		61	180	34	INCL		GA6062	OPP	36	
6000		S (150)		67	162	31	INCL		GA6062	OPP	36	
		T (165)		73	148	28	INCL		GA6062	OPP	36	
		Forward (73)		32	150	28	INCL			BOTH	01	
		Reverse (83)		37	150	28	INCL			BOTH	01	
6000		Forward (73)		32	150	28	INCL		GA6062	BOTH	36	
		Reverse (83)		37	150	28	INCL		GA6062	BOTH	36	

For complete part numbers, consult the PTO Series section (page 25)

New Process

542-CD

542-DD

542-FD

542-GD

NPR.07

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		25	250	47	INCL			ENG	01	
		C (73)		33	250	47	INCL			ENG	01	
		E (86)		40	225	43	INCL			ENG	01	
		J (95)		43	225	43	INCL			ENG	01	
		O (125)		57	195	37	INCL			ENG	01	
		R (137)		62	180	34	INCL			ENG	01	
		S (150)		68	162	31	INCL			ENG	01	
		T (165)		75	148	28	INCL			ENG	01	
1000		B (55)		25	250	47	S3		6187S	OPP	36	
		C (73)		33	250	47	S3		6187S	OPP	36	
		E (86)		40	225	43	S3		6187S	OPP	36	
		J (95)		43	225	43	S3		6187S	OPP	36	
		O (125)		57	195	37	S3		6187S	OPP	36	
		R (137)		62	180	34	S3		6187S	OPP	36	
		S (150)		68	162	31	S3		6187S	OPP	36	
		T (165)		75	148	28	S3		6187S	OPP	36	
3200		Z (40)		21	250	47	INCL			ENG	01	
		A (50)		26	250	47	INCL			ENG	01	
		B (55)		29	250	47	INCL			ENG	01	
		C (73)		38	250	47	INCL			ENG	01	
		E (86)		46	225	43	INCL			ENG	01	
		J (95)		50	225	43	INCL			ENG	01	
		O (125)		65	195	37	INCL			ENG	01	
		R (137)		72	180	34	INCL			ENG	01	
		S (150)		78	162	31	INCL			ENG	01	
3200		T (165)		86	148	28	INCL			ENG	01	
		Z (40)		21	250	47	S3		6187S	OPP	36	
		A (50)		26	250	47	S3		6187S	OPP	36	
		B (55)		29	250	47	S3		6187S	OPP	36	
		C (73)		38	250	47	S3		6187S	OPP	36	
		E (86)		46	225	43	S3		6187S	OPP	36	
		J (95)		50	225	43	S3		6187S	OPP	36	
		O (125)		65	195	37	S3		6187S	OPP	36	
		R (137)		72	180	34	S3		6187S	OPP	36	
		S (150)		78	162	31	S3		6187S	OPP	36	
6000		T (165)		86	148	28	S3		6187S	OPP	36	
		Forward (73)		38	150	28	INCL			BOTH	01	
6000		Reverse (83)		43	150	28	INCL			BOTH	01	
		Forward (73)		38	150	28	S3		6187S	BOTH	36	
6000		Reverse (83)		43	150	28	S3		6187S	BOTH	36	
		Forward (73)		38	150	28	S3		6187S	BOTH	36	

For complete part numbers, consult the PTO Series section (page 25)

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EXAMPLE:

Pto Series

Internal Ratio

Input Gear

Output Type

1000

X

C

N

01

1

RA

Lube

Shifting

Assy



New Venture

241 HD Trans case

NVR.01

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		35	250	49	INCL	(NV1)	GA6032	ENG	01	
		C (73)		46	250	49	INCL	(NV1)	GA6032	ENG	01	
		E (86)		55	225	44	INCL	(NV1)	GA6032	ENG	01	
		J (95)		60	225	44	INCL	(NV1)	GA6032	ENG	01	
		O (125)		79	200	39	INCL	(NV1)	GA6032	ENG	01	
		R (137)		87	200	39	INCL	(NV1)	GA6032	ENG	01	
		S (150)		95	190	37	INCL	(NV1)	GA6032	ENG	01	
		T (165)		105	175	34	INCL	(NV1)	GA6032	ENG	01	
3200		Z (40)		25	250	49	INCL	(NV1)	GA6032	ENG	01	
		A (50)		32	250	49	INCL	(NV1)	GA6032	ENG	01	
		B (55)		35	250	49	INCL	(NV1)	GA6032	ENG	01	
		C (73)		46	250	49	INCL	(NV1)	GA6032	ENG	01	
		E (86)		55	225	44	INCL	(NV1)	GA6032	ENG	01	
		J (95)		60	225	44	INCL	(NV1)	GA6032	ENG	01	
		O (125)		79	200	39	INCL	(NV1)	GA6032	ENG	01	
		R (137)		87	200	39	INCL	(NV1)	GA6032	ENG	01	
		S (150)		95	190	37	INCL	(NV1)	GA6032	ENG	01	
		T (165)		105	175	34	INCL	(NV1)	GA6032	ENG	01	
6000		Forward (73)		46	150	30	INCL	(NV1)	GA6032	BOTH	01	
		Reverse (83)		53	150	30	INCL	(NV1)	GA6032	BOTH	01	

FOOT NOTES:

NV1: Speeds shown with main transmission in direct drive. By the shifting of the main transmission, Reverse and all ratios of the transmission are available through the PTO.

For complete part numbers, consult the PTO Series section (page 25)



New Venture

NV-4500 (CHEVY - BEFORE FEB/94)

NVR.02

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		41	250	49	INCL	(NV3,4,5)		OPP	20	
		C (73)		54	250	49	INCL	(NV3,4,5)		OPP	20	
		E (86)		65	225	44	INCL	(NV3,4,5)		OPP	20	
		J (95)		71	225	44	INCL	(NV3,4,5)		OPP	20	
		O (125)		93	200	39	INCL	(NV3,4,5)		OPP	20	
		R (137)		102	200	39	INCL	(NV3,4,5)		OPP	20	
		S (150)		112	190	37	INCL	(NV3,4,5)		OPP	20	
		T (165)		123	175	34	INCL	(NV3,4,5)		OPP	20	
3200		Z (40)		30	250	49	INCL	(NV3,4,5)		OPP	20	
		A (50)		37	250	49	INCL	(NV3,4,5)		OPP	20	
		B (55)		41	250	49	INCL	(NV3,4,5)		OPP	20	
		C (73)		54	250	49	INCL	(NV3,4,5)		OPP	20	
		E (86)		65	225	44	INCL	(NV3,4,5)		OPP	20	
		J (95)		71	225	44	INCL	(NV3,4,5)		OPP	20	
		O (125)		93	200	39	INCL	(NV3,4,5)		OPP	20	
		R (137)		102	200	39	INCL	(NV3,4,5)		OPP	20	
		S (150)		112	190	37	INCL	(NV3,4,5)		OPP	20	
		T (165)		123	175	34	INCL	(NV3,4,5)		OPP	20	
6000		Forward (73)		54	150	30	INCL	(NV3,4,5)		BOTH	20	
		Reverse (83)		62	150	30	INCL	(NV3,4,5)		BOTH	20	

FOOT NOTES:

NV3: Right side exhaust interference with GM Vortec gas engines.

NV4: Driveshaft interference on 4 X 4 vehicles on left side.

NV5: If magnet is found on inside of the aperture cover removed for PTO installation, then move that cover to other side.

For complete part numbers, consult the PTO Series section (page 25)

New Venture

4500 HD (DODGE)
NV-4500 (CHEVY - After FEB/94)

NV-4500 (DODGE - After FEB/94)
NVG-4500 (CHEVY - After FEB/94)

NVR.03

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		43	250	49	INCL	(NV2,3,5)		OPP	20	
		C (73)		58	250	49	INCL	(NV2,3,5)		OPP	20	
		E (86)		69	225	44	INCL	(NV2,3,5)		OPP	20	
		J (95)		75	225	44	INCL	(NV2,3,5)		OPP	20	
		O (125)		99	200	39	INCL	(NV2,3,5)		OPP	20	
		R (137)		108	200	39	INCL	(NV2,3,5)		OPP	20	
		S (150)		118	190	37	INCL	(NV2,3,5)		OPP	20	
		T (165)		130	175	34	INCL	(NV2,3,5)		OPP	20	
3200		Z (40)		32	250	49	INCL	(NV2,3,5)		OPP	20	
		A (50)		39	250	49	INCL	(NV2,3,5)		OPP	20	
		B (55)		43	250	49	INCL	(NV2,3,5)		OPP	20	
		C (73)		58	250	49	INCL	(NV2,3,5)		OPP	20	
		E (86)		69	225	44	INCL	(NV2,3,5)		OPP	20	
		J (95)		75	225	44	INCL	(NV2,3,5)		OPP	20	
		O (125)		99	200	39	INCL	(NV2,3,5)		OPP	20	
		R (137)		108	200	39	INCL	(NV2,3,5)		OPP	20	
		S (150)		118	190	37	INCL	(NV2,3,5)		OPP	20	
6000		Forward (73)		58	150	30	INCL	(NV2,4,5)		BOTH	20	
		Reverse (83)		65	150	30	INCL	(NV2,4,5)		BOTH	20	

FOOT NOTES:

- NV2:** Chevy/GMC build date of 2/17/94 and later.
NV3: Right side exhaust interference with GM Vortec gas engines.
NV4: Driveshaft interference on 4 X 4 vehicles on left side.
NV5: If magnet is found on inside of the aperture cover removed for PTO installation, then move that cover to other side.

For complete part numbers, consult the PTO Series section (page 25)

New Venture

NV-021

NVR.05

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		95	250	49	INCL	(NV1)	GA6032	ENG	01	
		C (73)		126	250	49	INCL	(NV1)	GA6032	ENG	01	
		E (86)		150	225	44	INCL	(NV1)	GA6032	ENG	01	
		J (95)		164	225	44	INCL	(NV1)	GA6032	ENG	01	
		O (125)		216	200	39	INCL	(NV1)	GA6032	ENG	01	
		R (137)		237	200	39	INCL	(NV1)	GA6032	ENG	01	
		S (150)		259	190	37	INCL	(NV1)	GA6032	ENG	01	
		T (165)		285	175	34	INCL	(NV1)	GA6032	ENG	01	
3200		Z (40)		69	250	49	INCL	(NV1)	GA6032	ENG	01	
		A (50)		86	250	49	INCL	(NV1)	GA6032	ENG	01	
		B (55)		95	250	49	INCL	(NV1)	GA6032	ENG	01	
		C (73)		126	250	49	INCL	(NV1)	GA6032	ENG	01	
		E (86)		150	225	44	INCL	(NV1)	GA6032	ENG	01	
		J (95)		164	225	44	INCL	(NV1)	GA6032	ENG	01	
		O (125)		216	200	39	INCL	(NV1)	GA6032	ENG	01	
		R (137)		237	200	39	INCL	(NV1)	GA6032	ENG	01	
		S (150)		259	190	37	INCL	(NV1)	GA6032	ENG	01	
		T (165)		285	175	34	INCL	(NV1)	GA6032	ENG	01	
6000		Forward (73)		126	150	30	INCL	(NV1)	GA6032	BOTH	01	
		Reverse (83)		143	150	30	INCL	(NV1)	GA6032	BOTH	01	

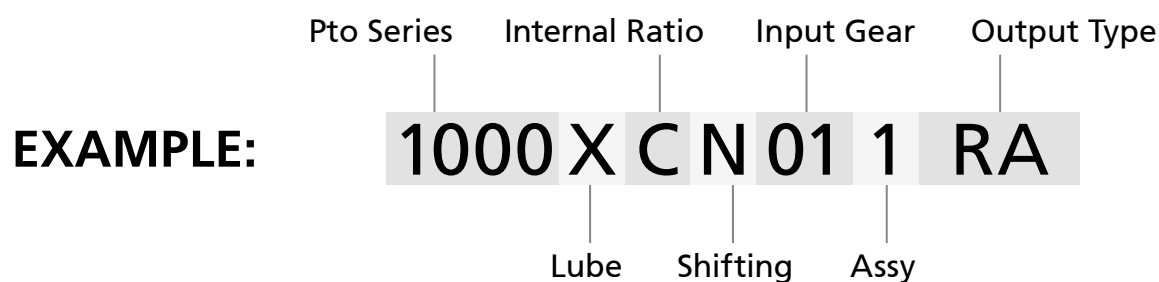
FOOT NOTES:

NV1: Speeds shown with main transmission in direct drive. By the shifting of the main transmission, Reverse and all ratios of the transmission are available through the PTO.

For complete part numbers, consult the PTO Series section (page 25)

Rockwell-ZF- Meritor Index

Transmission Model	Pag.	Transmission Model	Pag.	Transmission Model	Pag.
M-11F9A-E11	328	M-14G9A-D14	328	MO-12F9B-E12	331
M-11F9A-S11	328	M-14G9A-E14	328	MO-12F9B-S12	331
M-11F10A-E11	328	M-14G9A-M14	328	MO-12F10A-E12	337
M-11F10A-S11	328	M-14G9A-S14	328	MO-12F10A-S12	337
M-11G9A-D11	328	M-14G10A-D14	328	MO-12F10C-E12	334
M-11G9A-E11	328	M-14G10A-D16	328	MO-12F10C-S12	334
M-11G9A-M11	328	M-14G10A-E14	328	MO-12G9A-D12	337
M-11G9A-S11	328	M-14G10A-E16	328	MO-12G9A-E12	337
M-11G10A-D11	328	M-14G10A-M14	328	MO-12G9A-M12	337
M-11G10A-E11	328	M-14G10A-M16	328	MO-12G9A-S12	337
M-11G10A-M11	328	M-14G10A-S14	328	MO-12G9B-D12	331
M-11G10A-S11	328	M-14G10A-S16	328	MO-12G9B-E12	331
M-12F9A-E12	328	M-14Z12A-A14	340	MO-12G9B-M12	331
M-12F9A-S12	328	M-15F10A-E15	328	MO-12G9B-S12	331
M-12F10A-E12	328	M-15F10A-S15	328	MO-12G9R-M12	337
M-12F10A-S12	328	M-15G9A-D15	328	MO-12G10A-D12	337
M-12G9A-D12	328	M-15G9A-E15	328	MO-12G10A-E12	337
M-12G9A-E12	328	M-15G9A-M15	328	MO-12G10A-M12	337
M-12G9A-M12	328	M-15G9A-S15	328	MO-12G10A-S12	337
M-12G9A-S12	328	M-15G10A-D15	328	MO-12G10C-D12	334
M-12G10A-D12	328	M-15G10A-E15	328	MO-12G10C-E12	334
M-12G10A-E12	328	M-15G10A-M15	328	MO-12G10C-M12	334
M-12G10A-M12	328	M-15G10A-S15	328	MO-12G10C-S12	334
M-12G10A-S12	328	MO-11F9B-E11	331	MO-13F9A-E13	337
M-13F9A-E13	328	MO-11F9B-S11	331	MO-13F9A-S13	337
M-13F9A-S13	328	MO-11F10A-S11	337	MO-13F9B-E13	331
M-13F10A-E13	328	MO-11F10C-E11	334	MO-13F9B-S13	331
M-13F10A-S13	328	MO-11F10C-S11	334	MO-13F10A-E13	337
M-13G9A-D13	328	MO-11G9B-D11	331	MO-13F10A-S13	337
M-13G9A-E13	328	MO-11G9B-E11	331	MO-13F10C-E13	334
M-13G9A-M13	328	MO-11G9B-M11	331	MO-13F10C-S13	334
M-13G9A-S13	328	MO-11G9B-S11	331	MO-13G9A-D13	337
M-13G10A-D13	328	MO-11G9R-M11	337	MO-13G9A-E13	337
M-13G10A-E13	328	MO-11G10A-D11	337	MO-13G9A-M13	337
M-13G10A-M13	328	MO-11G10A-E11	337	MO-13G9A-S13	337
M-13G10A-S13	328	MO-11G10A-M11	337	MO-13G9B-D13	331
M-13Z12A-A13	340	MO-11G10A-S11	337	MO-13G9B-E13	331
M-14F9A-E14	328	MO-11G10C-D11	334	MO-13G9B-M13	331
M-14F9A-S14	328	MO-11G10C-E11	334	MO-13G9B-S13	331
M-14F10A-E14	328	MO-11G10C-M11	334	MO-13G9R-M13	337
M-14F10A-M16	328	MO-11G10C-S11	334	MO-13G10A-D13	337
M-14F10A-S14	328	MO-12F9A-E12	337	MO-13G10A-E13	337
M-14F10A-S15	328	MO-12F9A-S12	337	MO-13G10A-M13	337



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Transmission Model	Pag.	Transmission Model	Pag.	Transmission Model	Pag.
MO-13G10A-S13	337	MO-16F10C-E18	334	REX10-125C	334
MO-13G10C-D13	334	MO-16F10C-M18	334	REX10-135A	337
MO-13G10C-E13	334	MO-16F10C-S18	334	REX10-135C	334
MO-13G10C-M13	334	MO-16G10A-D16	337	REX10-145A	337
MO-13G10C-S13	334	MO-16G10A-E16	337	REX10-145C	334
MO-13Z12A-A13	340	MO-16G10A-M16	337	REX10-155A	337
MO-13Z16A-A13	340	MO-16G10A-S16	337	REX10-155C	334
MO-14F9A-E14	337	MO-16G10C-D16	334	REX10-165A	337
MO-14F9A-S14	337	MO-16G10C-D18	334	REX10-165C	334
MO-14F9B-E14	331	MO-16G10C-E16	334	RM9-115A	328
MO-14F9B-S14	331	MO-16G10C-E18	334	RM9-125A	328
MO-14F10A-E14	337	MO-16G10C-M16	334	RM9-135A	328
MO-14F10A-M16	337	MO-16G10C-M18	334	RM9-145A	328
MO-14F10A-S14	337	MO-16G10C-S16	334	RM9-155A	328
MO-14F10C-E14	334	MO-16G10C-S18	334	RM10-115A	328
MO-14F10C-M16	334	MO-16Z12A-A16	340	RM10-125A	328
MO-14F10C-S14	334	MO-16Z16A-A16	340	RM10-135A	328
MO-14G9A-D14	337	MO-17G10C-D17	334	RM10-145A	328
MO-14G9A-E14	337	MO-17G10C-D19	334	RM10-145AT	328
MO-14G9A-M14	337	MO-17G10C-E17	334	RM10-155A	328
MO-14G9A-S14	337	MO-17G10C-E19	334	RMO9-115A	337
MO-14G9B-D14	331	MO-17G10C-M17	334	RMO9-115B	331
MO-14G9B-E14	331	MO-17G10C-M19	334	RMO9-115R	337
MO-14G9B-M14	331	MO-17G10C-S17	334	RMO9-125A	337
MO-14G9B-S14	331	MO-17G10C-S19	334	RMO9-125B	331
MO-14G9R-M14	337	MO-18G10C-D18	334	RMO9-125R	337
MO-14G10A-D14	337	MO-18G10C-D20	334	RMO9-135A	337
MO-14G10A-D16	337	MO-18G10C-E18	334	RMO9-135B	331
MO-14G10A-E14	337	MO-18G10C-E20	334	RMO9-135R	337
MO-14G10A-E16	337	MO-18G10C-M18	334	RMO9-145A	337
MO-14G10A-M14	337	MO-18G10C-M20	334	RMO9-145B	331
MO-14G10A-M16	337	MO-18G10C-S18	334	RMO9-145R	337
MO-14G10A-S14	337	MO-18G10C-S20	334	RMO9-155B	331
MO-14G10A-S16	337	RD10-145A	328	RMO10-115A	337
MO-14G10C-D14	334	RE9-115A	328	RMO10-125A	337
MO-14G10C-D16	334	RE9-125A	328	RMO10-135A	337
MO-14G10C-E14	334	RE9-135A	328	RMO10-145A	337
MO-14G10C-E16	334	RE9-145A	328	RMO10-145AT	337
MO-14G10C-M14	334	RE9-155A	328	RMO10-155A	337
MO-14G10C-M16	334	RE10-115A	328	RMO13-145A	328
MO-14G10C-S14	334	RE10-125A	328	RMX9-115B	331
MO-14G10C-S16	334	RE10-135A	328	RMX9-115R	337
MO-14Z12A-A14	340	RE10-145A	328	RMX9-125A	337
MO-14Z16A-A14	340	RE10-155A	328	RMX9-125B	331
MO-15F9B-E15	331	REO9-115B	331	RMX9-125R	337
MO-15F9B-S15	331	REO9-125A	337	RMX9-135A	337
MO-15F10A-E15	337	REO9-125B	331	RMX9-135B	331
MO-15F10A-S15	337	REO9-135A	337	RMX9-135R	337
MO-15F10C-E15	334	REO9-135B	331	RMX9-145A	337
MO-15F10C-S15	334	REO9-145A	337	RMX9-145B	331
MO-15G9B-D15	331	REO9-145B	331	RMX9-145R	337
MO-15G9B-E15	331	REO9-155B	331	RMX9-155B	331
MO-15G9B-M15	331	REX9-115B	331	RMX10-115A	337
MO-15G9B-S15	331	REX9-115R	331	RMX10-115C	334
MO-15G10A-D15	337	REX9-125A	337	RMX10-125A	337
MO-15G10A-E15	337	REX9-125B	331	RMX10-125C	334
MO-15G10A-M15	337	REX9-125R	331	RMX10-135A	337
MO-15G10A-S15	337	REX9-135A	337	RMX10-135C	334
MO-15G10C-D15	334	REX9-135B	331	RMX10-145A	337
MO-15G10C-E15	334	REX9-135R	331	RMX10-145C	334
MO-15G10C-M15	334	REX9-145A	337	RMX10-145CT	334
MO-15G10C-S15	334	REX9-145B	331	RMX10-155A	337
MO-15Z12A-A15	340	REX9-145R	331	RMX10-155C	334
MO-15Z16A-A15	340	REX9-155B	331	RMX10-165A	337
MO-16F10A-E16	337	REX10-115A	337	RMX10-165C	334
MO-16F10A-S16	337	REX10-115C	334	RMX10-165CT	334
MO-16F10C-D18	334	REX10-125A	337	RMX13-145A	328

Transmission Model	Pag.
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RS9-125A	328
RS9-135A	328
RS9-145A	328
RS9-155A	328
RS10-115A	328
RS10-125A	328
RS10-135A	328
RS10-145A	328
RS10-155A	328
RSO9-115B	331
RSO9-125B	331
RSO9-135B	331
RSO9-145B	331
RSO9-155B	331
RSX9-115B	331
RSX9-115C	331
RSX9-115R	331
RSX9-125A	337
RSX9-125B	331
RSX9-125C	331
RSX9-125R	337
RSX9-135A	337
RSX9-135B	331
RSX9-135C	331
RSX9-135R	337
RSX9-145A	337
RSX9-145B	331
RSX9-145C	331
RSX9-145R	337
RSX9-155B	331
RSX9-155C	331
RSX9-165C	331
RSX10-115A	337
RSX10-115C	334
RSX10-125A	337
RSX10-125C	334
RSX10-135A	337
RSX10-135C	334
RSX10-145A	337
RSX10-145C	334
RSX10-155A	337
RSX10-155C	334
RSX10-165A	337
RSX10-165C	334

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M-11F10A-E11	M-12G9A-D12	M-14F9A-E14	M-15G9A-D15	RM10-155A
M-11F10A-S11	M-12G9A-E12	M-14F9A-S14	M-15G9A-E15	RM9-115A
M-11F9A-E11	M-12G9A-M12	M-14G10A-D14	M-15G9A-M15	RM9-125A
M-11F9A-S11	M-12G9A-S12	M-14G10A-D16	M-15G9A-S15	RM9-135A
M-11G10A-D11	M-13F10A-E13	M-14G10A-E14	RD10-145A	RM9-145A
M-11G10A-E11	M-13F10A-S13	M-14G10A-E16	RE10-115A	RM9-155A
M-11G10A-M11	M-13F9A-E13	M-14G10A-M14	RE10-125A	RMO13-145A
M-11G10A-S11	M-13F9A-S13	M-14G10A-M16	RE10-135A	RMX13-145A
M-11G9A-D11	M-13G10A-D13	M-14G10A-S14	RE10-145A	RS10-115A
M-11G9A-E11	M-13G10A-E13	M-14G10A-S16	RE10-155A	RS10-125A
M-11G9A-M11	M-13G10A-M13	M-14G9A-D14	RE9-115A	RS10-135A
M-11G9A-S11	M-13G10A-S13	M-14G9A-E14	RE9-125A	RS10-145A
M-12F10A-E12	M-13G9A-D13	M-14G9A-M14	RE9-135A	RS10-155A
M-12F10A-S12	M-13G9A-E13	M-14G9A-S14	RE9-145A	RS9-115A
M-12F9A-E12	M-13G9A-M13	M-15F10A-E15	RE9-155A	RS9-125A
M-12F9A-S12	M-13G9A-S13	M-15F10A-S15	RM10-115A	RS9-135A
M-12G10A-D12	M-14F10A-E14	M-15G10A-D15	RM10-125A	RS9-145A
M-12G10A-E12	M-14F10A-M16	M-15G10A-E15	RM10-135A	RS9-155A
M-12G10A-M12	M-14F10A-S14	M-15G10A-M15	RM10-145A	
M-12G10A-S12	M-14F10A-S15	M-15G10A-S15	RM10-145AT	

RZM.01

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		85	250	49	INCL	(RK1,2)		OPP	01	
		C (73)		113	250	49	INCL	(RK1,2)		OPP	01	
		E (86)		135	225	44	INCL	(RK1,2)		OPP	01	
		J (95)		147	225	44	INCL	(RK1,2)		OPP	01	
		O (125)		194	200	39	INCL	(RK1,2)		OPP	01	
		R (137)		212	200	39	INCL	(RK1,2)		OPP	01	
		S (150)		233	190	37	INCL	(RK1,2)		OPP	01	
		T (165)		256	175	34	INCL	(RK1,2)		OPP	01	
3200		Z (40)		59	250	49	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		A (50)		74	250	49	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		B (55)		85	250	49	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		C (73)		113	250	49	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		E (86)		135	225	44	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		J (95)		147	225	44	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		O (125)		194	200	39	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		R (137)		212	200	39	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		S (150)		233	190	37	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		T (165)		256	175	34	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
6000		Forward (73)		113	150	30	INCL	(RK2)		BOTH	01	
		Reverse (83)		129	150	30	INCL	(RK2)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Rockwell-ZF-Meritor

RZM.01

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		74	250	49	INCL			OPP	O1	 ↑ 1B
		B (55)		85	250	49	INCL			OPP	O1	
		C (73)		113	250	49	INCL			OPP	O1	
		E (86)		135	225	44	INCL			OPP	O1	
		J (95)		147	225	44	INCL			OPP	O1	
		O (125)		194	200	39	INCL			OPP	O1	
		R (137)		212	200	39	INCL			OPP	O1	
		S (150)		233	190	37	INCL			OPP	O1	
		T (165)		256	175	34	INCL			OPP	O1	
3800		A (50)		74	250	49	INCL	(CLUTCH SHIFT)		OPP	O1	 ↑ 1B
		B (55)		85	250	49	INCL	(CLUTCH SHIFT)		OPP	O1	
		C (73)		113	250	49	INCL	(CLUTCH SHIFT)		OPP	O1	
		E (86)		135	225	44	INCL	(CLUTCH SHIFT)		OPP	O1	
		J (95)		147	225	44	INCL	(CLUTCH SHIFT)		OPP	O1	
		O (125)		194	200	39	INCL	(CLUTCH SHIFT)		OPP	O1	
		R (137)		212	200	39	INCL	(CLUTCH SHIFT)		OPP	O1	
		S (150)		233	190	37	INCL	(CLUTCH SHIFT)		OPP	O1	
		T (165)		256	175	34	INCL	(CLUTCH SHIFT)		OPP	O1	
4100		B (57)		85	450	87	INCL	(RK3)		OPP	O1	 ↑ 1B
		C (70)		104	470	90	INCL	(RK3)		OPP	O1	
		E (86)		128	470	90	INCL	(RK3)		OPP	O1	
		J (105)		156	400	77	INCL	(RK3)		OPP	O1	
4250		Output 1 C (96)		102	420	80	INCL			OPP	O1	 ↑ 1B
		Output 2 B (89)		95	420	80	INCL			OPP	O1	
		Output 1 E (112)		120	400	76.5	INCL			OPP	O1	
		Output 2 C (104)		111	420	80	INCL			OPP	O1	
		Output 1 J (132)		141	380	73	INCL			OPP	O1	
		Output 2 E (121)		129	400	76.5	INCL			OPP	O1	
		Output 1 O (168)			350	67	INCL			OPP	O1	
		Output 2 J (152)			380	73	INCL			OPP	O1	
CONTINUES →												

For complete part numbers, consult the PTO Series section (page 25)

Rockwell-ZF-Meritor

RZM.01

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
6800	Forward (55)		113	150	30	INCL			BOTH	O1		
	Reverse (52)		129	150	30	INCL			BOTH	O1	↑ 1B	
8000	Forward (40)		64	500	95	INCL			BOTH	O1		
	Reverse (50)		76	500	95	INCL			BOTH	O1	↑ 1B	
8500	B (57)		59	500	95	INCL				O1		
	C (70)		78	500	95	INCL				O1		
	E (86)		93	480	90	INCL				O1		
	J (105)		115	450	86	INCL				O1		
	O (127)		133	400	76	INCL				O1		
	R (137)		146	360	68	INCL				O1		
	S (150)		160	320	62	INCL				O1		
	T (165)		176	280	54	INCL				O1		

FOOT NOTES:

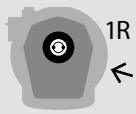
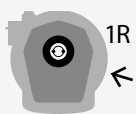
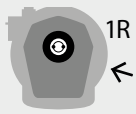
- RK1:** Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
- RK2:** For vehicles with Spring Hanger interference, use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter reverses PTO output rotation.
- RK3:** Possible internal transmission gear interference with 4100 Series "J" & "O" ratios. Check before installing PTO.

//////////////////// For complete part numbers, consult the PTO Series section (page 25) //////////////////////

Rockwell-ZF-Meritor

RZM.02

MO-11F9B-E11	MO-13G9B-E13	REO9-115B	RMO9-125B	RSX9-115C
MO-11F9B-S11	MO-13G9B-M13	REO9-125B	RMO9-135B	RSX9-115R
MO-11G9B-D11	MO-13G9B-S13	REO9-135B	RMO9-145B	RSX9-125B
MO-11G9B-E11	MO-14F9B-E14	REO9-145B	RMO9-155B	RSX9-125C
MO-11G9B-M11	MO-14F9B-S14	REO9-155B	RMX9-115B	RSX9-135B
MO-11G9B-S11	MO-14G9B-D14	REX9-115B	RMX9-125B	RSX9-135C
MO-12F9B-E12	MO-14G9B-E14	REX9-115R	RMX9-135B	RSX9-145B
MO-12F9B-S12	MO-14G9B-M14	REX9-125B	RMX9-145B	RSX9-145C
MO-12G9B-D12	MO-14G9B-S14	REX9-125R	RMX9-155B	RSX9-155B
MO-12G9B-E12	MO-15F9B-E15	REX9-135B	RSO9-115B	RSX9-155C
MO-12G9B-M12	MO-15F9B-S15	REX9-135R	RSO9-125B	RSX9-165C
MO-12G9B-S12	MO-15G9B-D15	REX9-145B	RSO9-135B	
MO-13F9B-E13	MO-15G9B-E15	REX9-145R	RSO9-145B	
MO-13F9B-S13	MO-15G9B-M15	REX9-155B	RSO9-155B	
MO-13G9B-D13	MO-15G9B-S15	RMO9-115B	RSX9-115B	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		98	250	49	INCL	(RK1,2)		OPP	01	
		C (73)		130	250	49	INCL	(RK1,2)		OPP	01	
		E (86)		155	225	44	INCL	(RK1,2)		OPP	01	
		J (95)		169	225	44	INCL	(RK1,2)		OPP	01	
		O (125)		223	200	39	INCL	(RK1,2)		OPP	01	
		R (137)		244	200	39	INCL	(RK1,2)		OPP	01	
		S (150)		267	190	37	INCL	(RK1,2)		OPP	01	
		T (165)		294	175	34	INCL	(RK1,2)		OPP	01	
3200		Z (40)		77	250	49	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		A (50)		96	250	49	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		B (55)		98	250	49	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		C (73)		130	250	49	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		E (86)		155	225	44	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		J (95)		169	225	44	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		O (125)		223	200	39	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		R (137)		244	200	39	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		S (150)		267	190	37	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		T (165)		294	175	34	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
6000		Forward (73)		130	150	30	INCL	(RK2)		BOTH	01	
		Reverse (83)		148	150	30	INCL	(RK2)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Rockwell-ZF-Meritor

RZM.02

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		96	250	49	INCL			OPP	O1	 ↑ 1B
		B (55)		98	250	49	INCL			OPP	O1	
		C (73)		130	250	49	INCL			OPP	O1	
		E (86)		155	225	44	INCL			OPP	O1	
		J (95)		169	225	44	INCL			OPP	O1	
		O (125)		223	200	39	INCL			OPP	O1	
		R (137)		244	200	39	INCL			OPP	O1	
		S (150)		267	190	37	INCL			OPP	O1	
		T (165)		294	175	34	INCL			OPP	O1	
3800		A (50)		96	250	49	INCL	(CLUTCH SHIFT)		OPP	O1	 ↑ 1B
		B (55)		98	250	49	INCL	(CLUTCH SHIFT)		OPP	O1	
		C (73)		130	250	49	INCL	(CLUTCH SHIFT)		OPP	O1	
		E (86)		155	225	44	INCL	(CLUTCH SHIFT)		OPP	O1	
		J (95)		169	225	44	INCL	(CLUTCH SHIFT)		OPP	O1	
		O (125)		223	200	39	INCL	(CLUTCH SHIFT)		OPP	O1	
		R (137)		244	200	39	INCL	(CLUTCH SHIFT)		OPP	O1	
		S (150)		267	190	37	INCL	(CLUTCH SHIFT)		OPP	O1	
		T (165)		294	175	34	INCL	(CLUTCH SHIFT)		OPP	O1	
4100		B (57)		97	450	87	INCL	(RK3)		OPP	O1	 ↑ 1B
		C (70)		119	470	90	INCL	(RK3)		OPP	O1	
		E (86)		147	470	90	INCL	(RK3)		OPP	O1	
		J (105)		179	400	77	INCL	(RK3)		OPP	O1	
4250		Output 1 C (96)		118	420	80	INCL			OPP	O1	 ↑ 1B
		Output 2 B (89)		109	420	80	INCL			OPP	O1	
		Output 1 E (112)		138	400	76.5	INCL			OPP	O1	
		Output 2 C (104)		127	420	80	INCL			OPP	O1	
		Output 1 J (132)		161	380	73	INCL			OPP	O1	
		Output 2 E (121)		148	400	76.5	INCL			OPP	O1	
		Output 1 O (168)			350	67	INCL			OPP	O1	
		Output 2 J (152)			380	73	INCL			OPP	O1	
CONTINUES →												

For complete part numbers, consult the PTO Series section (page 25)

Rockwell-ZF-Meritor

RZM.02

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
6800	Forward (55)		130	150	30	INCL				BOTH	O1	 ↑ 1B
	Reverse (52)		148	150	30	INCL				BOTH	O1	
8000	Forward (40)		73	500	95	INCL				BOTH	O1	 ↑ 1B
	Reverse (50)		87	500	95	INCL				BOTH	O1	
8500	B (57)		67	500	95	INCL					O1	 ↑ 1B
	C (70)		89	500	95	INCL					O1	
	E (86)		107	480	90	INCL					O1	
	J (105)		132	450	86	INCL					O1	
	O (127)		153	400	76	INCL					O1	
	R (137)		168	360	68	INCL					O1	
	S (150)		184	320	62	INCL					O1	
	T (165)		202	280	54	INCL					O1	

FOOT NOTES:

- RK1:** Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
- RK2:** For vehicles with Spring Hanger interference, use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter reverses PTO output rotation.
- RK3:** Possible internal transmission gear interference with 4100 Series "J" & "O" ratios. Check before installing PTO.

For complete part numbers, consult the PTO Series section (page 25)



Rockwell-ZF-Meritor

RZM.03

MO-11F10C-E11	MO-13G10C-S13	MO-15G10C-S15	MO-17G10C-M17	REX10-165C
MO-11F10C-S11	MO-14F10C-E14	MO-16F10C-D18	MO-17G10C-M19	RMX10-115C
MO-11G10C-D11	MO-14F10C-M16	MO-16F10C-E18	MO-17G10C-S17	RMX10-125C
MO-11G10C-E11	MO-14F10C-S14	MO-16F10C-M18	MO-17G10C-S19	RMX10-135C
MO-11G10C-M11	MO-14G10C-D14	MO-16F10C-S18	MO-18G10C-D18	RMX10-145C
MO-11G10C-S11	MO-14G10C-D16	MO-16G10C-D16	MO-18G10C-D20	RMX10-145CT
MO-12F10C-E12	MO-14G10C-E14	MO-16G10C-D18	MO-18G10C-E18	RMX10-155C
MO-12F10C-S12	MO-14G10C-E16	MO-16G10C-E16	MO-18G10C-E20	RMX10-165C
MO-12G10C-D12	MO-14G10C-M14	MO-16G10C-E18	MO-18G10C-M18	RMX10-165CT
MO-12G10C-E12	MO-14G10C-M16	MO-16G10C-M16	MO-18G10C-M20	RSX10-115C
MO-12G10C-M12	MO-14G10C-S14	MO-16G10C-M18	MO-18G10C-S18	RSX10-125C
MO-12G10C-S12	MO-14G10C-S16	MO-16G10C-S16	MO-18G10C-S20	RSX10-135C
MO-13F10C-E13	MO-15F10C-E15	MO-16G10C-S18	REX10-115C	RSX10-145C
MO-13F10C-S13	MO-15F10C-S15	MO-17G10C-D17	REX10-125C	RSX10-155C
MO-13G10C-D13	MO-15G10C-D15	MO-17G10C-D19	REX10-135C	RSX10-165C
MO-13G10C-E13	MO-15G10C-E15	MO-17G10C-E17	REX10-145C	
MO-13G10C-M13	MO-15G10C-M15	MO-17G10C-E19	REX10-155C	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		110	250	49	INCL	(RK1,2)		OPP	01	
		C (73)		147	250	49	INCL	(RK1,2)		OPP	01	
		E (86)		175	225	44	INCL	(RK1,2)		OPP	01	
		J (95)		191	225	44	INCL	(RK1,2)		OPP	01	
		O (125)		251	200	39	INCL	(RK1,2)		OPP	01	
		R (137)		275	200	39	INCL	(RK1,2)		OPP	01	
		S (150)		301	190	37	INCL	(RK1,2)		OPP	01	
		T (165)		331	175	34	INCL	(RK1,2)		OPP	01	
3200		Z (40)		77	250	49	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		A (50)		96	250	49	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		B (55)		110	250	49	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		C (73)		147	250	49	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		E (86)		175	225	44	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		J (95)		191	225	44	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		O (125)		251	200	39	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		R (137)		275	200	39	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		S (150)		301	190	37	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		T (165)		331	175	34	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
6000		Forward (73)		147	150	30	INCL	(RK2)		BOTH	01	
		Reverse (83)		167	150	30	INCL	(RK2)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Rockwell-ZF-Meritor

RZM.03

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		96	250	49	INCL			OPP	O1	 ↑ 1B
		B (55)		110	250	49	INCL			OPP	O1	
		C (73)		147	250	49	INCL			OPP	O1	
		E (86)		175	225	44	INCL			OPP	O1	
		J (95)		191	225	44	INCL			OPP	O1	
		O (125)		251	200	39	INCL			OPP	O1	
		R (137)		275	200	39	INCL			OPP	O1	
		S (150)		301	190	37	INCL			OPP	O1	
		T (165)		331	175	34	INCL			OPP	O1	
3800		A (50)		96	250	49	INCL	(CLUTCH SHIFT)		OPP	O1	 ↑ 1B
		B (55)		110	250	49	INCL	(CLUTCH SHIFT)		OPP	O1	
		C (73)		147	250	49	INCL	(CLUTCH SHIFT)		OPP	O1	
		E (86)		175	225	44	INCL	(CLUTCH SHIFT)		OPP	O1	
		J (95)		191	225	44	INCL	(CLUTCH SHIFT)		OPP	O1	
		O (125)		251	200	39	INCL	(CLUTCH SHIFT)		OPP	O1	
		R (137)		275	200	39	INCL	(CLUTCH SHIFT)		OPP	O1	
		S (150)		301	190	37	INCL	(CLUTCH SHIFT)		OPP	O1	
		T (165)		331	175	34	INCL	(CLUTCH SHIFT)		OPP	O1	
4100		B (57)		110	450	87	INCL	(RK3)		OPP	O1	 ↑ 1B
		C (70)		134	470	90	INCL	(RK3)		OPP	O1	
		E (86)		165	470	90	INCL	(RK3)		OPP	O1	
		J (105)		202	400	77	INCL	(RK3)		OPP	O1	
4250		Output 1 C (96)		133	420	80	INCL			OPP	O1	 ↑ 1B
		Output 2 B (89)		123	420	80	INCL			OPP	O1	
		Output 1 E (112)		155	400	76.5	INCL			OPP	O1	
		Output 2 C (104)		143	420	80	INCL			OPP	O1	
		Output 1 J (132)		182	380	73	INCL			OPP	O1	
		Output 2 E (121)		167	400	76.5	INCL			OPP	O1	
		Output 1 O (168)			350	67	INCL			OPP	O1	
		Output 2 J (152)			380	73	INCL			OPP	O1	
CONTINUES →												

For complete part numbers, consult the PTO Series section (page 25)

Rockwell-ZF-Meritor

RZM.03

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
6800	Forward (55)		147	150	30	INCL			BOTH	O1	 ↑ 1B	
	Reverse (52)		167	150	30	INCL			BOTH	O1		
8000	Forward (40)		83	500	95	INCL			BOTH	O1	 ↑ 1B	
	Reverse (50)		99	500	95	INCL			BOTH	O1		
8500	B (57)		76	500	95	INCL				O1	 ↑ 1B	
	C (70)		101	500	95	INCL				O1		
	E (86)		120	480	90	INCL				O1		
	J (105)		149	450	86	INCL				O1		
	O (127)		173	400	76	INCL				O1		
	R (137)		189	360	68	INCL				O1		
	S (150)		207	320	62	INCL				O1		
	T (165)		228	280	54	INCL				O1		

FOOT NOTES:

- RK1:** Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
- RK2:** For vehicles with Spring Hanger interference, use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter reverses PTO output rotation.
- RK3:** Possible internal transmission gear interference with 4100 Series "J" & "O" ratios. Check before installing PTO.

//////////////////////////////////// For complete part numbers, consult the PTO Series section (page 25) //////////////////////////////////////

Rockwell-ZF-Meritor

RZM.04

MO-11F10A-S11	MO-13G10A-D13	MO-14G9A-E14	REX10-155A	RMX10-155A
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MO-11G10A-E11	MO-13G10A-M13	MO-14G9A-S14	REX9-125A	RMX9-115R
MO-11G10A-M11	MO-13G10A-S13	MO-14G9R-M14	REX9-135A	RMX9-125A
MO-11G10A-S11	MO-13G9A-D13	MO-15F10A-E15	REX9-145A	RMX9-125R
MO-11G9R-M11	MO-13G9A-E13	MO-15F10A-S15	RMO10-115A	RMX9-135A
MO-12F10A-E12	MO-13G9A-M13	MO-15G10A-D15	RMO10-125A	RMX9-135R
MO-12F10A-S12	MO-13G9A-S13	MO-15G10A-E15	RMO10-135A	RMX9-145A
MO-12F9A-E12	MO-13G9R-M13	MO-15G10A-M15	RMO10-145A	RMX9-145R
MO-12F9A-S12	MO-14F10A-E14	MO-15G10A-S15	RMO10-145AT	RSX10-115A
MO-12G10A-D12	MO-14F10A-M16	MO-16F10A-E16	RMO10-155A	RSX10-125A
MO-12G10A-E12	MO-14F10A-S14	MO-16F10A-S16	RMO9-115A	RSX10-135A
MO-12G10A-M12	MO-14F9A-E14	MO-16G10A-D16	RMO9-115R	RSX10-145A
MO-12G10A-S12	MO-14F9A-S14	MO-16G10A-E16	RMO9-125A	RSX10-155A
MO-12G9A-D12	MO-14G10A-D14	MO-16G10A-M16	RMO9-125R	RSX10-165A
MO-12G9A-E12	MO-14G10A-D16	MO-16G10A-S16	RMO9-135A	RSX9-125A
MO-12G9A-M12	MO-14G10A-E14	REO9-125A	RMO9-135R	RSX9-125R
MO-12G9A-S12	MO-14G10A-E16	REO9-135A	RMO9-145A	RSX9-135A
MO-12G9R-M12	MO-14G10A-M14	REO9-145A	RMO9-145R	RSX9-135R
MO-13F10A-E13	MO-14G10A-M16	REX10-115A	RMX10-115A	RSX9-145A
MO-13F10A-S13	MO-14G10A-S14	REX10-125A	RMX10-125A	RSX9-145R
MO-13F9A-E13	MO-14G10A-S16	REX10-135A	RMX10-135A	
MO-13F9A-S13	MO-14G9A-D14	REX10-145A	RMX10-145A	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		114	250	49	INCL	(RK1,2)		OPP	01	
		C (73)		152	250	49	INCL	(RK1,2)		OPP	01	
		E (86)		181	225	44	INCL	(RK1,2)		OPP	01	
		J (95)		198	225	44	INCL	(RK1,2)		OPP	01	
		O (125)		260	200	39	INCL	(RK1,2)		OPP	01	
		R (137)		285	200	39	INCL	(RK1,2)		OPP	01	
		S (150)		312	190	37	INCL	(RK1,2)		OPP	01	
		T (165)		343	175	34	INCL	(RK1,2)		OPP	01	
3200		Z (40)		80	250	49	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		A (50)		100	250	49	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		B (55)		114	250	49	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		C (73)		152	250	49	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		E (86)		181	225	44	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		J (95)		198	225	44	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		O (125)		260	200	39	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		R (137)		285	200	39	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		S (150)		312	190	37	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
		T (165)		343	175	34	INCL	(RK1,2,CLUTCH SHIFT)		OPP	01	
6000		Forward (73)		152	150	30	INCL	(RK2)		BOTH	01	
		Reverse (83)		173	150	30	INCL	(RK2)		BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

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	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		100	250	49	INCL			OPP	O1	 ↑ 1B
		B (55)		114	250	49	INCL			OPP	O1	
		C (73)		152	250	49	INCL			OPP	O1	
		E (86)		181	225	44	INCL			OPP	O1	
		J (95)		198	225	44	INCL			OPP	O1	
		O (125)		260	200	39	INCL			OPP	O1	
		R (137)		285	200	39	INCL			OPP	O1	
		S (150)		312	190	37	INCL			OPP	O1	
		T (165)		343	175	34	INCL			OPP	O1	
3800		A (50)		100	250	49	INCL	(CLUTCH SHIFT)		OPP	O1	 ↑ 1B
		B (55)		114	250	49	INCL	(CLUTCH SHIFT)		OPP	O1	
		C (73)		152	250	49	INCL	(CLUTCH SHIFT)		OPP	O1	
		E (86)		181	225	44	INCL	(CLUTCH SHIFT)		OPP	O1	
		J (95)		198	225	44	INCL	(CLUTCH SHIFT)		OPP	O1	
		O (125)		260	200	39	INCL	(CLUTCH SHIFT)		OPP	O1	
		R (137)		285	200	39	INCL	(CLUTCH SHIFT)		OPP	O1	
		S (150)		312	190	37	INCL	(CLUTCH SHIFT)		OPP	O1	
		T (165)		343	175	34	INCL	(CLUTCH SHIFT)		OPP	O1	
4100		B (57)		113	450	87	INCL	(RK3)		OPP	O1	 ↑ 1B
		C (70)		139	470	90	INCL	(RK3)		OPP	O1	
		E (86)		171	470	90	INCL	(RK3)		OPP	O1	
		J (105)		209	400	77	INCL	(RK3)		OPP	O1	
4250		Output 1 C (96)		138	420	80	INCL			OPP	O1	 ↑ 1B
		Output 2 B (89)		128	420	80	INCL			OPP	O1	
		Output 1 E (112)		161	400	76.5	INCL			OPP	O1	
		Output 2 C (104)		149	420	80	INCL			OPP	O1	
		Output 1 J (132)		189	380	73	INCL			OPP	O1	
		Output 2 E (121)		173	400	76.5	INCL			OPP	O1	
		Output 1 O (168)			350	67	INCL			OPP	O1	
		Output 2 J (152)			380	73	INCL			OPP	O1	
CONTINUES →												

For complete part numbers, consult the PTO Series section (page 25)

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	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
6800	Forward (55)		152	150	30	INCL				OPP	O1	 ↑ 1B
	Reverse (52)		173	150	30	INCL				OPP	O1	
8000	Forward (40)		86	500	95	INCL				OPP	O1	 ↑ 1B
	Reverse (50)		102	500	95	INCL				OPP	O1	
8500	B (57)		79	500	95	INCL				OPP	O1	 ↑ 1B
	C (70)		104	500	95	INCL				OPP	O1	
	E (86)		124	480	90	INCL				OPP	O1	
	J (105)		154	450	86	INCL				OPP	O1	
	O (127)		179	400	76	INCL				OPP	O1	
	R (137)		196	360	68	INCL				OPP	O1	
	S (150)		215	320	62	INCL				OPP	O1	
	T (165)		236	280	54	INCL				OPP	O1	

FOOT NOTES:

- RK1:** Direct mount pumps will not clear bulge on transmission case. Must use geared adapter. Use of adapter changes PTO output rotation.
- RK2:** For vehicles with Spring Hanger interference, use adapter AD645-01. Not applicable for direct mount pumps. Use of adapter reverses PTO output rotation.
- RK3:** Possible internal transmission gear interference with 4100 Series "J" & "O" ratios. Check before installing PTO.

For complete part numbers, consult the PTO Series section (page 25)

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MO-13Z16A-A13 MO-14Z16A-A14 MO-15Z16A-A15 MO-16Z16A-A16

RZM.05

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1015703		100%		111	609	118	8028933		1018104	OPP		
1021903		126%		139	516	100	8039033		1018104	ENG		
1010003		132%		146	310	60	8011933		1018104	ENG		
1017803		172%		190	332	64	8012733		1018104	ENG		
1026003		153%		169	310	60	8038933		1018104	ENG		

GENERAL NOTES:

If the truck has a Meritor yoke model #SPL250/RPL250 or SPL170 front driveshaft, these PTO's won't fit. Yoke model #RPL200 is compatible. The transmission must be programmed for PTO activation. Consult your dealer for further information.

M-13Z12A-A13 MO-13Z12A-A13 MO-15Z12A-A15
M-14Z12A-A14 MO-14Z12A-A14 MO-16Z12A-A16

RZM.06

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1015703		100%		135	609	118	8028933		1018104	OPP		
1021903		126%		170	516	100	8039033		1018104	ENG		
1010003		132%		178	310	60	8011933		1018104	ENG		
1017803		172%		232	332	64	8012733		1018104	ENG		
1026003		153%		207	310	60	8038933		1018104	ENG		

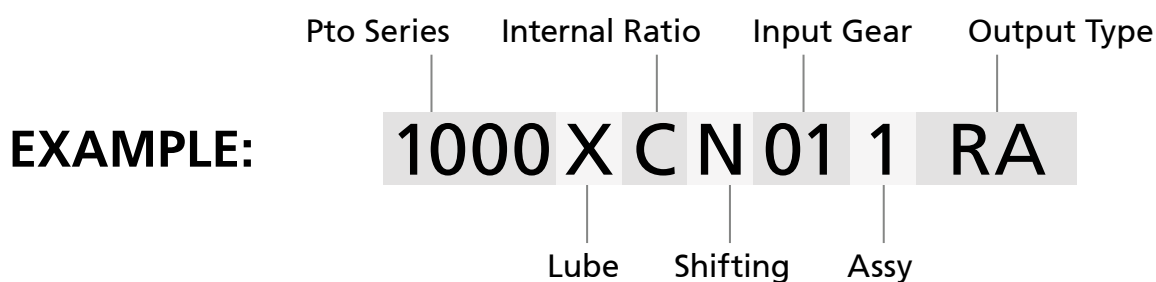
GENERAL NOTES:

If the truck has a Meritor yoke model #SPL250/RPL250 or SPL170 front driveshaft, these PTO's won't fit. Yoke model #RPL200 is compatible. The transmission must be programmed for PTO activation. Consult your dealer for further information.

For complete part numbers, consult the PTO Series section (page 25)

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PSO140-10S(301506)(301562)	433		
PSO140-12B(301473)	411		
PSO140-14A(301483)	411		
PSO145-10D	436		
PSO145-10V(301582)	433		
PSO150-9A(301496)(301558)	431		
PSO150-9S(301521)	433		
PSO150-10S(301503)(301563)	433		

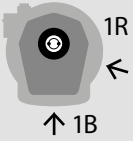
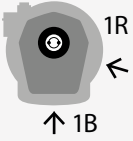
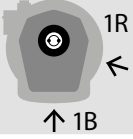
Spicer

1372B(301325)(301405)

PS110-7B(301518)

PS125-7B(301445)

SPIC.01

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		49	250	49	S3		6300S	OPP	01	
		C (73)		65	250	49	S3		6300S	OPP	01	
		E (86)		77	225	44	S3		6300S	OPP	01	
		J (95)		84	225	44	S3		6300S	OPP	01	
		O (125)		111	200	39	S3		6300S	OPP	01	
		R (137)		121	200	39	S3		6300S	OPP	01	
		S (150)		133	190	37	S3		6300S	OPP	01	
		T (165)		146	175	34	S3		6300S	OPP	01	
3200		Z (40)		35	250	49	S3		6300S	OPP	01	
		A (50)		44	250	49	S3		6300S	OPP	01	
		B (55)		49	250	49	S3		6300S	OPP	01	
		C (73)		65	250	49	S3		6300S	OPP	01	
		E (86)		78	225	44	S3		6300S	OPP	01	
		J (95)		85	225	44	S3		6300S	OPP	01	
		O (125)		111	200	39	S3		6300S	OPP	01	
		R (137)		121	200	39	S3		6300S	OPP	01	
		S (150)		133	190	37	S3		6300S	OPP	01	
6000		Forward (73)		65	150	30	S3		6300S	BOTH	01	
		Reverse (83)		74	150	30	S3		6300S	BOTH	01	

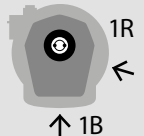
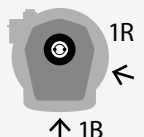
For complete part numbers, consult the PTO Series section (page 25)

1107-2A(301201)
1372A(301271)(301398)

1374A(301272)
PS110-7A(301519)

PS140-7A(301444)
PS145-7A(301520)

SPIC.02

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		52	250	49	INCL			OPP	02	
		C (73)		69	250	49	INCL			OPP	02	
		E (86)		83	225	44	INCL			OPP	02	
		J (95)		90	225	44	INCL			OPP	02	
		O (125)		119	200	39	INCL			OPP	02	
		R (137)		130	200	39	INCL			OPP	02	
		S (150)		143	190	37	INCL			OPP	02	
		T (165)		157	175	34	INCL			OPP	02	
3200		Z (40)		38	250	49	INCL			OPP	02	
		A (50)		48	250	49	INCL			OPP	02	
		B (55)		52	250	49	INCL			OPP	02	
		C (73)		69	250	49	INCL			OPP	02	
		E (86)		83	225	44	INCL			OPP	02	
		J (95)		91	225	44	INCL			OPP	02	
		O (125)		119	200	39	INCL			OPP	02	
		R (137)		130	200	39	INCL			OPP	02	
		S (150)		143	190	37	INCL			OPP	02	
		T (165)		157	175	34	INCL			OPP	02	
6000		Forward (73)		69	150	30	INCL			BOTH	02	
		Reverse (83)		79	150	30	INCL			BOTH	02	

For complete part numbers, consult the PTO Series section (page 25)

Spicer

9072A(301321)

PS97-7A(301446)

SPIC.03

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		53	250	49	INCL		6140S	OPP	01	
		C (73)		70	250	49	INCL		6140S	OPP	01	
		E (86)		84	225	44	INCL		6140S	OPP	01	
		J (95)		92	225	44	INCL		6140S	OPP	01	
		O (125)		120	200	39	INCL		6140S	OPP	01	
		R (137)		132	200	39	INCL		6140S	OPP	01	
		S (150)		145	190	37	INCL		6140S	OPP	01	
		T (165)		159	175	34	INCL		6140S	OPP	01	
3200		Z (40)		39	250	49	INCL		6140S	OPP	01	
		A (50)		48	250	49	INCL		6140S	OPP	01	
		B (55)		53	250	49	INCL		6140S	OPP	01	
		C (73)		70	250	49	INCL		6140S	OPP	01	
		E (86)		84	225	44	INCL		6140S	OPP	01	
		J (95)		92	225	44	INCL		6140S	OPP	01	
		O (125)		120	200	39	INCL		6140S	OPP	01	
		R (137)		132	200	39	INCL		6140S	OPP	01	
		S (150)		145	190	37	INCL		6140S	OPP	01	
6000		Forward (73)		70	150	30	INCL		6140S	BOTH	01	
		Reverse (83)		80	150	30	INCL		6140S	BOTH	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		48	250		INCL			OPP	01	
		B (55)		53	250	49	INCL			OPP	01	
		C (73)		70	250	49	INCL			OPP	01	
		E (86)		84	225	44	INCL			OPP	01	
		J (95)		92	225	44	INCL			OPP	01	
		O (125)		120	200	39	INCL			OPP	01	
		R (137)		132	200	39	INCL			OPP	01	
		S (150)		145	190	37	INCL			OPP	01	
		T (165)		159	175	34	INCL			OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

9072A(301321)

PS97-7A(301446)

SPIC.03

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
3800		Z (40)		39	250	49	INCL	CLU		OPP	01	 ↑ 1B
		A (50)		48	250	49	INCL	CLUTCH SHIFT		OPP	01	
		B (55)		53	250	49	INCL	CLUTCH SHIFT		OPP	01	
		C (73)		70	250	49	INCL	CLUTCH SHIFT		OPP	01	
		E (86)		84	225	44	INCL	CLUTCH SHIFT		OPP	01	
		J (95)		92	225	44	INCL	CLUTCH SHIFT		OPP	01	
		O (125)		120	200	39	INCL	CLUTCH SHIFT		OPP	01	
		R (137)		132	200	39	INCL	CLUTCH SHIFT		OPP	01	
		S (150)		145	190	37	INCL	CLUTCH SHIFT		OPP	01	
		T (165)		159	175	34	INCL	CLUTCH SHIFT		OPP	01	
4100		B (57)		55	450	87	INCL	(SP2)		OPP	01	 ↑ 1B
		C (70)		67	470	90	INCL	(SP2)		OPP	01	
		E (86)		83	470	90	INCL	(SP2)		OPP	01	
		J (105)		101	400	77	INCL	(SP2)		OPP	01	
4250		Output 1 C (96)		93	420	80	INCL	(SP2)		OPP	01	 ↑ 1B
		Output 2 B (89)		86	420	80	INCL	(SP2)		OPP	01	
		Output 1 E (112)		108	400	76.5	INCL	(SP2)		OPP	01	
		Output 2 C (104)		100	420	80	INCL	(SP2)		OPP	01	
		Output 1 J (132)		127	380	73	INCL	(SP2)		OPP	01	
		Output 2 E (121)		116	400	76.5	INCL	(SP2)		OPP	01	
		Output 1 O (168)		162	350	67	INCL	(SP2)		OPP	01	
		Output 2 J (152)		147	380	73	INCL	(SP2)		OPP	01	
6800		Forward (55)		70	150	30	INCL			BOTH	01	 ↑ 1B
		Reverse (52)		80	150	30	INCL			BOTH	01	
8000		Forward (40)		40	500	95	INCL			BOTH	01	 ↑ 1B
		Reverse (50)		47	500	95	INCL			BOTH	01	
8500		B (57)		36	500	95	INCL			OPP	01	 ↑ 1B
		C (70)		48	500	95	INCL			OPP	01	
		E (86)		58	480	90	INCL			OPP	01	
		J (105)		72	450	86	INCL			OPP	01	
		O (127)		83	400	76	INCL			OPP	01	
		R (137)		91	360	68	INCL			OPP	01	
		S (150)		99	320	62	INCL			OPP	01	
		T (165)		109	280	54	INCL			OPP	01	

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO.

//////////////////////////////////// For complete part numbers, consult the PTO Series section (page 25) //////////////////////////////////////

Spicer

1310-2A(301292)
1310-4A(301317)

PS130-10A(301485)
PS130-12A(301484)

PS85-10LL
PS85-14-4L(301525)

SPIC.04

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		54	250	49	S3		6187S	OPP	01	
		C (73)		72	250	49	S3		6187S	OPP	01	
		E (86)		86	225	44	S3		6187S	OPP	01	
		J (95)		94	225	44	S3		6187S	OPP	01	
		O (125)		123	200	39	S3		6187S	OPP	01	
		R (137)		135	200	39	S3		6187S	OPP	01	
		S (150)		148	190	37	S3		6187S	OPP	01	
		T (165)		163	175	34	S3		6187S	OPP	01	
3200		Z (40)		39	250	49	S3		6187S	OPP	01	
		A (50)		49	250	49	S3		6187S	OPP	01	
		B (55)		54	250	49	S3		6187S	OPP	01	
		C (73)		72	250	49	S3		6187S	OPP	01	
		E (86)		86	225	44	S3		6187S	OPP	01	
		J (95)		94	225	44	S3		6187S	OPP	01	
		O (125)		123	200	39	S3		6187S	OPP	01	
		R (137)		135	200	39	S3		6187S	OPP	01	
		S (150)		148	190	37	S3		6187S	OPP	01	
		T (165)		162	175	34	S3		6187S	OPP	01	
6000		Forward (73)		72	150	30	S3		6187S	BOTH	01	
		Reverse (83)		82	150	30	S3		6187S	BOTH	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		49	250		INCL		GA8062	OPP	01	
		B (55)		54	250	49	INCL		GA8062	OPP	01	
		C (73)		72	250	49	INCL		GA8062	OPP	01	
		E (86)		86	225	44	INCL		GA8062	OPP	01	
		J (95)		94	225	44	INCL		GA8062	OPP	01	
		O (125)		123	200	39	INCL		GA8062	OPP	01	
		R (137)		135	200	39	INCL		GA8062	OPP	01	
		S (150)		148	190	37	INCL		GA8062	OPP	01	
		T (165)		163	175	34	INCL		GA8062	OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

1310-2A(301292)
1310-4A(301317)

PS130-10A(301485)
PS130-12A(301484)

PS85-10LL
PS85-14-4L(301525)

SPIC.04

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
3800		Z (40)		39	250	49	INCL	CLUTCH SHIFT	GA8062	OPP	01	 ↑ 1B
		A (50)		49	250	49	INCL	CLUTCH SHIFT	GA8062	OPP	01	
		B (55)		54	250	49	INCL	CLUTCH SHIFT	GA8062	OPP	01	
		C (73)		72	250	49	INCL	CLUTCH SHIFT	GA8062	OPP	01	
		E (86)		86	225	44	INCL	CLUTCH SHIFT	GA8062	OPP	01	
		J (95)		94	225	44	INCL	CLUTCH SHIFT	GA8062	OPP	01	
		O (125)		123	200	39	INCL	CLUTCH SHIFT	GA8062	OPP	01	
		R (137)		135	200	39	INCL	CLUTCH SHIFT	GA8062	OPP	01	
		S (150)		148	190	37	INCL	CLUTCH SHIFT	GA8062	OPP	01	
		T (165)		162	175	34	INCL	CLUTCH SHIFT	GA8062	OPP	01	
4100		B (57)		56	450	87	INCL	(SP2)	GA8062	OPP	01	 ↑ 1B
		C (70)		69	470	90	INCL	(SP2)	GA8062	OPP	01	
		E (86)		85	470	90	INCL	(SP2)	GA8062	OPP	01	
		J (105)		103	400	77	INCL	(SP2)	GA8062	OPP	01	
4250		Output 1 C (96)		95	420	80	INCL	(SP2)		OPP	01	 ↑ 1B
		Output 2 B (89)		88	420	80	INCL	(SP2)		OPP	01	
		Output 1 E (112)		111	400	76.5	INCL	(SP2)		OPP	01	
		Output 2 C (104)		102	420	80	INCL	(SP2)		OPP	01	
		Output 1 J (132)		130	380	73	INCL	(SP2)		OPP	01	
		Output 2 E (121)		119	400	76.5	INCL	(SP2)		OPP	01	
		Output 1 O (168)		166	350	67	INCL	(SP2)		OPP	01	
		Output 2 J (152)		150	380	73	INCL	(SP2)		OPP	01	
6800		Forward (55)		72	150	30	INCL		GA8062	BOTH	01	 ↑ 1B
		Reverse (52)		82	150	30	INCL		GA8062	BOTH	01	
8000		Forward (40)		41	500	95	INCL		GA8062	BOTH	01	 ↑ 1B
		Reverse (50)		48	500	95	INCL		GA8062	BOTH	01	
8500		B (57)		37	500	95	INCL		GA8062	OPP	01	 ↑ 1B
		C (70)		49	500	95	INCL		GA8062	OPP	01	
		E (86)		59	480	90	INCL		GA8062	OPP	01	
		J (105)		73	450	86	INCL		GA8062	OPP	01	
		O (127)		85	400	76	INCL		GA8062	OPP	01	
		R (137)		93	360	68	INCL		GA8062	OPP	01	
		S (150)		102	320	62	INCL		GA8062	OPP	01	
		T (165)		112	280	54	INCL		GA8062	OPP	01	

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO.

For complete part numbers, consult the PTO Series section (page 25)



	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		38	250	49	S3		GA6093	OPP	30	
		C (73)		50	250	49	S3		GA6093	OPP	30	
		E (86)		60	225	44	S3		GA6093	OPP	30	
		J (95)		66	225	44	S3		GA6093	OPP	30	
		O (125)		86	200	39	S3		GA6093	OPP	30	
		R (137)		95	200	39	S3		GA6093	OPP	30	
		S (150)		104	190	37	S3		GA6093	OPP	30	
		T (165)		114	175	34	S3		GA6093	OPP	30	
3200		Z (40)		28	250	49	S3		GA6093	OPP	30	
		A (50)		35	250	49	S3		GA6093	OPP	30	
		B (55)		38	250	49	S3		GA6093	OPP	30	
		C (73)		50	250	49	S3		GA6093	OPP	30	
		E (86)		60	225	44	S3		GA6093	OPP	30	
		J (95)		66	225	44	S3		GA6093	OPP	30	
		O (125)		86	200	39	S3		GA6093	OPP	30	
		R (137)		94	200	39	S3		GA6093	OPP	30	
		S (150)		104	190	37	S3		GA6093	OPP	30	
		T (165)		114	175	34	S3		GA6093	OPP	30	
6000		Forward (73)		50	150	30	S3		GA6093	BOTH	30	
		Reverse (83)		57	150	30	S3		GA6093	BOTH	30	

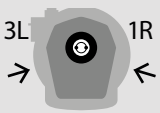
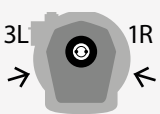
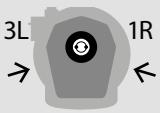
For complete part numbers, consult the PTO Series section (page 25)

CM-4954A(301386)

ES43-5A(301510)(301633) ES52-5A(301455)

ES53-5A(301508)(301631)

SPIC.06

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		40	250	49	INCL	(SP6,11)		OPP	33	
		C (73)		53	250	49	INCL	(SP6,11)		OPP	33	
		E (86)		64	225	44	INCL	(SP6,11)		OPP	33	
		J (95)		69	225	44	INCL	(SP6,11)		OPP	33	
		O (125)		91	200	39	INCL	(SP6,11)		OPP	33	
		R (137)		100	200	39	INCL	(SP6,11)		OPP	33	
		S (150)		110	190	37	INCL	(SP6,11)		OPP	33	
		T (165)		121	175	34	INCL	(SP6,11)		OPP	33	
3200		Z (40)		29	250	49	INCL	(SP6,11)		OPP	33	
		A (50)		37	250	49	INCL	(SP6,11)		OPP	33	
		B (55)		40	250	49	INCL	(SP6,11)		OPP	33	
		C (73)		53	250	49	INCL	(SP6,11)		OPP	33	
		E (86)		64	225	44	INCL	(SP6,11)		OPP	33	
		J (95)		70	225	44	INCL	(SP6,11)		OPP	33	
		O (125)		91	200	39	INCL	(SP6,11)		OPP	33	
		R (137)		100	200	39	INCL	(SP6,11)		OPP	33	
		S (150)		110	190	37	INCL	(SP6,11)		OPP	33	
		T (165)		120	175	34	INCL	(SP6,11)		OPP	33	
6000		Forward (73)		53	150	30	INCL	(SP11)		BOTH	33	
		Reverse (83)		61	150	30	INCL	(SP11)		BOTH	33	

FOOT NOTES:

SP6: Direct mount pumps may encounter interference with transmission case in left mounting.

SP11: There are two openings on the left side of the transmission. Only the front opening is set up for PTO usage.

For complete part numbers, consult the PTO Series section (page 25)

Spicer

CM-4954D(301387) ES43-5D(301511)(301634) ES52-5D(301456) ES53-5D(301509)(301632) **SPIC.07**

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		43	250	49	S3	(SP6,11,12)	GA6125	OPP	33	
		C (73)		57	250	49	S3	(SP6,11,12)	GA6125	OPP	33	
		E (86)		68	225	44	S3	(SP6,11,12)	GA6125	OPP	33	
		J (95)		74	225	44	S3	(SP6,11,12)	GA6125	OPP	33	
		O (125)		97	200	39	S3	(SP6,11,12)	GA6125	OPP	33	
		R (137)		106	200	39	S3	(SP6,11,12)	GA6125	OPP	33	
		S (150)		117	190	37	S3	(SP6,11,12)	GA6125	OPP	33	
		T (165)		128	175	34	S3	(SP6,11,12)	GA6125	OPP	33	
3200		Z (40)		31	250	49	S3	(SP6,11,12)	GA6125	OPP	33	
		A (50)		39	250	49	S3	(SP6,11,12)	GA6125	OPP	33	
		B (55)		43	250	49	S3	(SP6,11,12)	GA6125	OPP	33	
		C (73)		57	250	49	S3	(SP6,11,12)	GA6125	OPP	33	
		E (86)		68	225	44	S3	(SP6,11,12)	GA6125	OPP	33	
		J (95)		74	225	44	S3	(SP6,11,12)	GA6125	OPP	33	
		O (125)		97	200	39	S3	(SP6,11,12)	GA6125	OPP	33	
		R (137)		106	200	39	S3	(SP6,11,12)	GA6125	OPP	33	
		S (150)		117	190	37	S3	(SP6,11,12)	GA6125	OPP	33	
6000		Forward (73)		57	150	30	S3	(SP6,11,12)	GA6125	BOTH	33	
		Reverse (83)		65	150	30	S3	(SP6,11,12)	GA6125	BOTH	33	

FOOT NOTES:

- SP6:** Direct mount pumps may encounter interference with transmission case in left mounting.
- SP11:** There are two openings on the left side of the transmission. Only the front opening is set up for PTO usage.
- SP12:** PTO interferes with exhaust and front driveshaft on IHC Series 1854-4x4.

For complete part numbers, consult the PTO Series section (page 25)

1007-2B(301118)(301207)
1062C(301133)
1064C(301136)

1207-2B(301196)
1207-2D(301240)
1272A(301140)(301215)

1274A(301141)(301216)
1362B(301171)
1362C(301178)

1362D(301180)
1364C(301179)
PS130-6B(301471)

SPIC.08

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		58	250	49	INCL		6140S	OPP	01	
		C (73)		77	250	49	INCL		6140S	OPP	01	
		E (86)		91	225	44	INCL		6140S	OPP	01	
		J (95)		100	225	44	INCL		6140S	OPP	01	
		O (125)		131	200	39	INCL		6140S	OPP	01	
		R (137)		144	200	39	INCL		6140S	OPP	01	
		S (150)		157	190	37	INCL		6140S	OPP	01	
		T (165)		173	175	34	INCL		6140S	OPP	01	

ES52-7A(301451)(301635)

ES52-7B(301642)(301637)

SPIC.11

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		37	250	49	INCL	(SP3,4,13)		OPP	34	
		C (73)		48	250	49	INCL	(SP3,4,13)		OPP	34	
		E (86)		58	225	44	INCL	(SP3,4,13)		OPP	34	
		J (95)		63	225	44	INCL	(SP3,4,13)		OPP	34	
		O (125)		83	200	39	INCL	(SP3,4,13)		OPP	34	
		R (137)		91	200	39	INCL	(SP3,4,13)		OPP	34	
		S (150)		100	190	37	INCL	(SP3,4,13)		OPP	34	
		T (165)		110	175	34	INCL	(SP3,4,13)		OPP	34	

FOOT NOTES:

- SP3:** Check for possible interference with exhaust.
- SP4:** Possible clearance issue with direct mount pump. May need to use "3" assembly arrangement.
- SP13:** Left Side: Direct mount pump interferes with flange on transmission at rear of PTO opening. Shaft-high assembly arrangement interferes with bulge in transmission case.

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		41	250	49	INCL	GEAR NOT CUT		OPP	35	
		C (73)		54	250	49	INCL	GEAR NOT CUT		OPP	35	
		E (86)		65	225	44	INCL	GEAR NOT CUT		OPP	35	
		J (95)		71	225	44	INCL	GEAR NOT CUT		OPP	35	
		O (125)		93	200	39	INCL	GEAR NOT CUT		OPP	35	
		R (137)		102	200	39	INCL	GEAR NOT CUT		OPP	35	
		S (150)		112	190	37	INCL	GEAR NOT CUT		OPP	35	
		T (165)		123	175	34	INCL	GEAR NOT CUT		OPP	35	
3200		Z (40)		30	250	49	INCL	GEAR NOT CUT		OPP	35	
		A (50)		37	250	49	INCL	GEAR NOT CUT		OPP	35	
		B (55)		41	250	49	INCL	GEAR NOT CUT		OPP	35	
		C (73)		54	250	49	INCL	GEAR NOT CUT		OPP	35	
		E (86)		65	225	44	INCL	GEAR NOT CUT		OPP	35	
		J (95)		71	225	44	INCL	GEAR NOT CUT		OPP	35	
		O (125)		93	200	39	INCL	GEAR NOT CUT		OPP	35	
		R (137)		102	200	39	INCL	GEAR NOT CUT		OPP	35	
		S (150)		112	190	37	INCL	GEAR NOT CUT		OPP	35	
		T (165)		123	175	34	INCL	GEAR NOT CUT		OPP	35	

For complete part numbers, consult the PTO Series section (page 25)

5652(8-BOLT&6-BOLT OPENING)

5652B(8-BOLT&6-BOLT OPENING)

5852

SPIC.14

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		24	250	49	INCL			OPP	03	
		C (73)		32	250	49	INCL			OPP	03	
		E (86)		39	225	44	INCL			OPP	03	
		J (95)		42	225	44	INCL			OPP	03	
		O (125)		56	200	39	INCL			OPP	03	
		R (137)		61	200	39	INCL			OPP	03	
		S (150)		67	190	37	INCL			OPP	03	
		T (165)		73	175	34	INCL			OPP	03	
3200		Z (40)		18	250	49	INCL			OPP	03	
		A (50)		22	250	49	INCL			OPP	03	
		B (55)		24	250	49	INCL			OPP	03	
		C (73)		32	250	49	INCL			OPP	03	
		E (86)		39	225	44	INCL			OPP	03	
		J (95)		43	225	44	INCL			OPP	03	
		O (125)		56	200	39	INCL			OPP	03	
		R (137)		61	200	39	INCL			OPP	03	
		S (150)		67	190	37	INCL			OPP	03	
		T (165)		73	175	34	INCL			OPP	03	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		S4		8295S	OPP	08	
		B (55)		46	250	49	S4		8295S	OPP	08	
		C (73)		61	250	49	S4		8295S	OPP	08	
		E (86)		73	225	44	S4		8295S	OPP	08	
		J (95)		80	225	44	S4		8295S	OPP	08	
		O (125)		105	200	39	S4		8295S	OPP	08	
		R (137)		115	200	39	S4		8295S	OPP	08	
		S (150)		126	190	37	S4		8295S	OPP	08	
		T (165)		138	175	34	S4		8295S	OPP	08	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

5652(8-BOLT&6-BOLTOPENING)

5652B(8-BOLT&6-BOLTOPENING)

5852

SPIC.14

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
3800		Z (40)		37	250	49	S4	CLUTCH SHIFT	8295S	OPP	08	
		A (50)		46	250	49	S4	CLUTCH SHIFT	8295S	OPP	08	
		B (55)		50	250	49	S4	CLUTCH SHIFT	8295S	OPP	08	
		C (73)		67	250	49	S4	CLUTCH SHIFT	8295S	OPP	08	
		E (86)		80	225	44	S4	CLUTCH SHIFT	8295S	OPP	08	
		J (95)		87	225	44	S4	CLUTCH SHIFT	8295S	OPP	08	
		O (125)		114	200	39	S4	CLUTCH SHIFT	8295S	OPP	08	
		R (137)		125	200	39	S4	CLUTCH SHIFT	8295S	OPP	08	
		S (150)		137	190	37	S4	CLUTCH SHIFT	8295S	OPP	08	
		T (165)		150	175	34	S4	CLUTCH SHIFT	8295S	OPP	08	
6800		Forward (55)		67	150	30	S4		8295S	BOTH	08	
		Reverse (52)		76	150	30	S4		8295S	BOTH	08	
8000		Forward (40)		38	500	95	S4		8295S	BOTH	08	
		Reverse (50)		45	500	95	S4		8295S	BOTH	08	
8500		B (57)		35	500	95	S4		8295S	OPP	08	
		C (70)		46	500	95	S4		8295S	OPP	08	
		E (86)		55	480	90	S4		8295S	OPP	08	
		J (105)		68	450	86	S4		8295S	OPP	08	
		O (127)		78	400	76	S4		8295S	OPP	08	
		R (137)		86	360	68	S4		8295S	OPP	08	
		S (150)		94	320	62	S4		8295S	OPP	08	
		T (165)		104	280	54	S4		8295S	OPP	08	

For complete part numbers, consult the PTO Series section (page 25)

5652A(8-BOLT&6-BOLT OPENING)

5752(8-BOLT&6-BOLT OPENING)

SPIC.15

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		24	250	49	INCL			OPP	03	
		C (73)		32	250	49	INCL			OPP	03	
		E (86)		39	225	44	INCL			OPP	03	
		J (95)		42	225	44	INCL			OPP	03	
		O (125)		56	200	39	INCL			OPP	03	
		R (137)		61	200	39	INCL			OPP	03	
		S (150)		67	190	37	INCL			OPP	03	
		T (165)		73	175	34	INCL			OPP	03	
3200		Z (40)		16	250	49	INCL	CLUTCH SHIFT		OPP	03	
		A (50)		20	250	49	INCL	CLUTCH SHIFT		OPP	03	
		B (55)		22	250	49	INCL	CLUTCH SHIFT		OPP	03	
		C (73)		30	250	49	INCL	CLUTCH SHIFT		OPP	03	
		E (86)		36	225	44	INCL	CLUTCH SHIFT		OPP	03	
		J (95)		39	225	44	INCL	CLUTCH SHIFT		OPP	03	
		O (125)		51	200	39	INCL	CLUTCH SHIFT		OPP	03	
		R (137)		56	200	39	INCL	CLUTCH SHIFT		OPP	03	
		S (150)		61	190	37	INCL	CLUTCH SHIFT		OPP	03	
		T (165)		67	175	34	INCL	CLUTCH SHIFT		OPP	03	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		S4		8190S	OPP	08	
		B (55)		44	250	49	S4		8190S	OPP	08	
		C (73)		58	250	49	S4		8190S	OPP	08	
		E (86)		69	225	44	S4		8190S	OPP	08	
		J (95)		76	225	44	S4		8190S	OPP	08	
		O (125)		100	200	39	S4		8190S	OPP	08	
		R (137)		109	200	39	S4		8190S	OPP	08	
		S (150)		119	190	37	S4		8190S	OPP	08	
		T (165)		131	175	34	S4		8190S	OPP	08	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

5652A(8-BOLT&6-BOLTOPENING)

5752(8-BOLT&6-BOLTOPENING)

SPIC.15

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
3800		Z (40)		35	250	49	S4	CLUTCH SHIFT	8190S	OPP	08	
		A (50)		43	250	49	S4	CLUTCH SHIFT	8190S	OPP	08	
		B (55)		48	250	49	S4	CLUTCH SHIFT	8190S	OPP	08	
		C (73)		63	250	49	S4	CLUTCH SHIFT	8190S	OPP	08	
		E (86)		76	225	44	S4	CLUTCH SHIFT	8190S	OPP	08	
		J (95)		83	225	44	S4	CLUTCH SHIFT	8190S	OPP	08	
		O (125)		109	200	39	S4	CLUTCH SHIFT	8190S	OPP	08	
		R (137)		119	200	39	S4	CLUTCH SHIFT	8190S	OPP	08	
		S (150)		130	190	37	S4	CLUTCH SHIFT	8190S	OPP	08	
		T (165)		143	175	34	S4	CLUTCH SHIFT	8190S	OPP	08	
6800		Forward (55)		63	150	30	S4		8190S	BOTH	08	
		Reverse (52)		72	150	30	S4		8190S	BOTH	08	
8000		Forward (40)		36	500	95	S4		8190S	BOTH	08	
		Reverse (50)		43	500	95	S4		8190S	BOTH	08	
8500		B (57)		33	500	95	S4		8190S	OPP	08	
		C (70)		44	500	95	S4		8190S	OPP	08	
		E (86)		52	480	90	S4		8190S	OPP	08	
		J (105)		64	450	86	S4		8190S	OPP	08	
		O (127)		75	400	76	S4		8190S	OPP	08	
		R (137)		82	360	68	S4		8190S	OPP	08	
		S (150)		90	320	62	S4		8190S	OPP	08	
		T (165)		99	280	54	S4		8190S	OPP	08	

CM-4054A(301329)(301420)

ES42-5A(301438)

SPIC.16

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		43	250	49	INCL			OPP	11	
		C (73)		57	250	49	INCL			OPP	11	
		E (86)		68	225	44	INCL			OPP	11	
		J (95)		74	225	44	INCL			OPP	11	
		O (125)		98	200	39	INCL			OPP	11	
		R (137)		107	200	39	INCL			OPP	11	
		S (150)		118	190	37	INCL			OPP	11	
		T (165)		129	175	34	INCL			OPP	11	
3200		Z (40)		31	250	49	INCL	CLUTCH SHIFT		OPP	11	
		A (50)		39	250	49	INCL	CLUTCH SHIFT		OPP	11	
		B (55)		43	250	49	INCL	CLUTCH SHIFT		OPP	11	
		C (73)		57	250	49	INCL	CLUTCH SHIFT		OPP	11	
		E (86)		69	225	44	INCL	CLUTCH SHIFT		OPP	11	
		J (95)		75	225	44	INCL	CLUTCH SHIFT		OPP	11	
		O (125)		98	200	39	INCL	CLUTCH SHIFT		OPP	11	
		R (137)		107	200	39	INCL	CLUTCH SHIFT		OPP	11	
		S (150)		118	190	37	INCL	CLUTCH SHIFT		OPP	11	
		T (165)		129	175	34	INCL	CLUTCH SHIFT		OPP	11	
6000		Forward (73)		57	150	30	INCL			BOTH	11	
		Reverse (83)		65	150	30	INCL			BOTH	11	

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		45	250	49	S3	(SP10)	6140S	OPP	11	
		C (73)		60	250	49	S3	(SP10)	6140S	OPP	11	
		E (86)		72	225	44	S3	(SP10)	6140S	OPP	11	
		J (95)		78	225	44	S3	(SP10)	6140S	OPP	11	
		O (125)		103	200	39	S3	(SP10)	6140S	OPP	11	
		R (137)		113	200	39	S3	(SP10)	6140S	OPP	11	
		S (150)		123	190	37	S3	(SP10)	6140S	OPP	11	
		T (165)		136	175	34	S3	(SP10)	6140S	OPP	11	
3200		Z (40)		33	250	49	S3	(SP10) CLUTCH SHIFT	6140S	OPP	11	
		A (50)		41	250	49	S3	(SP10) CLUTCH SHIFT	6140S	OPP	11	
		B (55)		45	250	49	S3	(SP10) CLUTCH SHIFT	6140S	OPP	11	
		C (73)		60	250	49	S3	(SP10) CLUTCH SHIFT	6140S	OPP	11	
		E (86)		72	225	44	S3	(SP10) CLUTCH SHIFT	6140S	OPP	11	
		J (95)		79	225	44	S3	(SP10) CLUTCH SHIFT	6140S	OPP	11	
		O (125)		103	200	39	S3	(SP10) CLUTCH SHIFT	6140S	OPP	11	
		R (137)		113	200	39	S3	(SP10) CLUTCH SHIFT	6140S	OPP	11	
		S (150)		123	190	37	S3	(SP10) CLUTCH SHIFT	6140S	OPP	11	
		T (165)		136	175	34	S3	(SP10) CLUTCH SHIFT	6140S	OPP	11	
6000		Forward (73)		60	150	30	S3	(SP10)	6140S	BOTH	11	
		Reverse (83)		68	150	30	S3	(SP10)	6140S	BOTH	11	

FOOT NOTES:

SP10: PTO's may interfere with a brake mechanism located on this side of the transmission.

CM-5052A(301068)(301472)
CM-5052C(301249)(301080)
CM-5510(301315)(301371)
CM-5552A(301309)(301366)

CM-5552C(301311)(301368)
CM-5952A(301360)
CM-5952C(301362)
ES60-5A(301460)

ES60-5C(301461)
ES60-5F(301482)
ES62-5A(301528)
ES67-5A(301532)

SPIC.18

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		46	250	49	S5		6400S	OPP	08	
		C (73)		61	250	49	S5		6400S	OPP	08	
		E (86)		73	225	44	S5		6400S	OPP	08	
		J (95)		80	225	44	S5		6400S	OPP	08	
		O (125)		105	200	39	S5		6400S	OPP	08	
		R (137)		115	200	39	S5		6400S	OPP	08	
		S (150)		126	190	37	S5		6400S	OPP	08	
		T (165)		138	175	34	S5		6400S	OPP	08	
3200		Z (40)		33	250	49	S5	CLUTCH SHIFT	6400S	OPP	08	
		A (50)		42	250	49	S5	CLUTCH SHIFT	6400S	OPP	08	
		B (55)		46	250	49	S5	CLUTCH SHIFT	6400S	OPP	08	
		C (73)		61	250	49	S5	CLUTCH SHIFT	6400S	OPP	08	
		E (86)		73	225	44	S5	CLUTCH SHIFT	6400S	OPP	08	
		J (95)		80	225	44	S5	CLUTCH SHIFT	6400S	OPP	08	
		O (125)		105	200	39	S5	CLUTCH SHIFT	6400S	OPP	08	
		R (137)		115	200	39	S5	CLUTCH SHIFT	6400S	OPP	08	
		S (150)		126	190	37	S5	CLUTCH SHIFT	6400S	OPP	08	
		T (165)		138	175	34	S5	CLUTCH SHIFT	6400S	OPP	08	
6000		Forward (73)		61	150	30	S5		6400S	BOTH	08	
		Reverse (83)		69	150	30	S5		6400S	BOTH	08	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		S4	(SP7) GA8093	8248S	OPP	08	
		B (55)		46	250	49	S4	(SP7) GA8093	8248S	OPP	08	
		C (73)		61	250	49	S4	(SP7) GA8093	8248S	OPP	08	
		E (86)		73	225	44	S4	(SP7) GA8093	8248S	OPP	08	
		J (95)		80	225	44	S4	(SP7) GA8093	8248S	OPP	08	
		O (125)		105	200	39	S4	(SP7) GA8093	8248S	OPP	08	
		R (137)		115	200	39	S4	(SP7) GA8093	8248S	OPP	08	
		S (150)		126	190	37	S4	(SP7) GA8093	8248S	OPP	08	
		T (165)		138	175	34	S4	(SP7) GA8093	8248S	OPP	08	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

CM-5052A(301068)(301472)
CM-5052C(301249)(301080)
CM-5510(301315)(301371)
CM-5552A(301309)(301366)

CM-5552C(301311)(301368)
CM-5952A(301360)
CM-5952C(301362)
ES60-5A(301460)

ES60-5C(301461)
ES60-5F(301482)
ES62-5A(301528)
ES67-5A(301532)

SPIC.18

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
3800		Z (40)		37	250	49	S4	(SP7) GA8093 CLUTCH SHIFT	8248S	OPP	08	
		A (50)		46	250	49	S4	(SP7) GA8093 CLUTCH SHIFT	8248S	OPP	08	
		B (55)		50	250	49	S4	(SP7) GA8093 CLUTCH SHIFT	8248S	OPP	08	
		C (73)		67	250	49	S4	(SP7) GA8093 CLUTCH SHIFT	8248S	OPP	08	
		E (86)		80	225	44	S4	(SP7) GA8093 CLUTCH SHIFT	8248S	OPP	08	
		J (95)		87	225	44	S4	(SP7) GA8093 CLUTCH SHIFT	8248S	OPP	08	
		O (125)		114	200	39	S4	(SP7) GA8093 CLUTCH SHIFT	8248S	OPP	08	
		R (137)		125	200	39	S4	(SP7) GA8093 CLUTCH SHIFT	8248S	OPP	08	
		S (150)		137	190	37	S4	(SP7) GA8093 CLUTCH SHIFT	8248S	OPP	08	
		T (165)		150	175	34	S4	(SP7) GA8093 CLUTCH SHIFT	8248S	OPP	08	
6800		Forward (55)		67	150	30	S4	(SP7) GA8093	8248S	BOTH	08	
		Reverse (52)		76	150	30	S4	(SP7) GA8093	8248S	BOTH	08	
8000		Forward (40)		38	500	95	S4	(SP7) GA8093	8248S	BOTH	08	
		Reverse (50)		45	500	95	S4	(SP7) GA8093	8248S	BOTH	08	
8500		B (57)		35	500	95	S4	(SP7) GA8093	8248S	OPP	08	
		C (70)		46	500	95	S4	(SP7) GA8093	8248S	OPP	08	
		E (86)		55	480	90	S4	(SP7) GA8093	8248S	OPP	08	
		J (105)		68	450	86	S4	(SP7) GA8093	8248S	OPP	08	
		O (127)		78	400	76	S4	(SP7) GA8093	8248S	OPP	08	
		R (137)		86	360	68	S4	(SP7) GA8093	8248S	OPP	08	
		S (150)		94	320	62	S4	(SP7) GA8093	8248S	OPP	08	
		T (165)		104	280	54	S4	(SP7) GA8093	8248S	OPP	08	

FOOT NOTES:

SP7: Use "3" assembly arrangement for MACK Midliner.

CM-5052B(301248)(301079)

CM-5552B(301310)(301367)

CM-5952B(301361)

SPIC.19

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		44	250	49	S3		6200S	OPP	08	
		C (73)		58	250	49	S3		6200S	OPP	08	
		E (86)		69	225	44	S3		6200S	OPP	08	
		J (95)		76	225	44	S3		6200S	OPP	08	
		O (125)		100	200	39	S3		6200S	OPP	08	
		R (137)		109	200	39	S3		6200S	OPP	08	
		S (150)		119	190	37	S3		6200S	OPP	08	
		T (165)		131	175	34	S3		6200S	OPP	08	
3200		Z (40)		32	250	49	S3	CLUTCH SHIFT	6200S	OPP	08	
		A (50)		40	250	49	S3	CLUTCH SHIFT	6200S	OPP	08	
		B (55)		44	250	49	S3	CLUTCH SHIFT	6200S	OPP	08	
		C (73)		58	250	49	S3	CLUTCH SHIFT	6200S	OPP	08	
		E (86)		70	225	44	S3	CLUTCH SHIFT	6200S	OPP	08	
		J (95)		76	225	44	S3	CLUTCH SHIFT	6200S	OPP	08	
		O (125)		100	200	39	S3	CLUTCH SHIFT	6200S	OPP	08	
		R (137)		109	200	39	S3	CLUTCH SHIFT	6200S	OPP	08	
		S (150)		119	190	37	S3	CLUTCH SHIFT	6200S	OPP	08	
		T (165)		131	175	34	S3	CLUTCH SHIFT	6200S	OPP	08	
6000		Forward (73)		58	150	30	S3		6200S	BOTH	08	
		Reverse (83)		66	150	30	S3		6200S	BOTH	08	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		INCL	GA8062	8093S	OPP	08	
		B (55)		44	250	49	INCL	GA8062	8093S	OPP	08	
		C (73)		58	250	49	INCL	GA8062	8093S	OPP	08	
		E (86)		69	225	44	INCL	GA8062	8093S	OPP	08	
		J (95)		76	225	44	INCL	GA8062	8093S	OPP	08	
		O (125)		100	200	39	INCL	GA8062	8093S	OPP	08	
		R (137)		109	200	39	INCL	GA8062	8093S	OPP	08	
		S (150)		119	190	37	INCL	GA8062	8093S	OPP	08	
		T (165)		131	175	34	INCL	GA8062	8093S	OPP	08	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
3800		Z (40)		35	250	49	INCL	GA8062 CLUTCH SHIFT	8093S	OPP	08	 1R ←
		A (50)		43	250	49	INCL	GA8062 CLUTCH SHIFT	8093S	OPP	08	
		B (55)		48	250	49	INCL	GA8062 CLUTCH SHIFT	8093S	OPP	08	
		C (73)		63	250	49	INCL	GA8062 CLUTCH SHIFT	8093S	OPP	08	
		E (86)		76	225	44	INCL	GA8062 CLUTCH SHIFT	8093S	OPP	08	
		J (95)		83	225	44	INCL	GA8062 CLUTCH SHIFT	8093S	OPP	08	
		O (125)		109	200	39	INCL	GA8062 CLUTCH SHIFT	8093S	OPP	08	
		R (137)		119	200	39	INCL	GA8062 CLUTCH SHIFT	8093S	OPP	08	
		S (150)		130	190	37	INCL	GA8062 CLUTCH SHIFT	8093S	OPP	08	
		T (165)		143	175	34	INCL	GA8062 CLUTCH SHIFT	8093S	OPP	08	
6800		Forward (55)		63	150	30	INCL	GA8062	8093S	BOTH	08	 1R ←
		Reverse (52)		72	150	30	INCL	GA8062	8093S	BOTH	08	
8000		Forward (40)		36	500	95	INCL	GA8062	8093S	BOTH	08	 1R ←
		Reverse (50)		43	500	95	INCL	GA8062	8093S	BOTH	08	
8500		B (57)		33	500	95	INCL	GA8062	8093S	OPP	08	 1R ←
		C (70)		44	500	95	INCL	GA8062	8093S	OPP	08	
		E (86)		52	480	90	INCL	GA8062	8093S	OPP	08	
		J (105)		64	450	86	INCL	GA8062	8093S	OPP	08	
		O (127)		75	400	76	INCL	GA8062	8093S	OPP	08	
		R (137)		82	360	68	INCL	GA8062	8093S	OPP	08	
		S (150)		90	320	62	INCL	GA8062	8093S	OPP	08	
		T (165)		99	280	54	INCL	GA8062	8093S	OPP	08	

For complete part numbers, consult the PTO Series section (page 25)

CM-5052D(301250)(301230)
CM-5552D(301312)(301369)
CM-5952D(301363)

ES55-5D
ES60-5D(301462)
ES62-5D(301530)

ES67-5D(301534)
ES68-5D

SPIC.20

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		48	250	49	S5		6500S	OPP	08	
		C (73)		64	250	49	S5		6500S	OPP	08	
		E (86)		77	225	44	S5		6500S	OPP	08	
		J (95)		84	225	44	S5		6500S	OPP	08	
		O (125)		110	200	39	S5		6500S	OPP	08	
		R (137)		121	200	39	S5		6500S	OPP	08	
		S (150)		132	190	37	S5		6500S	OPP	08	
		T (165)		145	175	34	S5		6500S	OPP	08	
3200		Z (40)		35	250	49	S5	CLUTCH SHIFT	6500S	OPP	08	
		A (50)		44	250	49	S5	CLUTCH SHIFT	6500S	OPP	08	
		B (55)		48	250	49	S5	CLUTCH SHIFT	6500S	OPP	08	
		C (73)		64	250	49	S5	CLUTCH SHIFT	6500S	OPP	08	
		E (86)		77	225	44	S5	CLUTCH SHIFT	6500S	OPP	08	
		J (95)		84	225	44	S5	CLUTCH SHIFT	6500S	OPP	08	
		O (125)		110	200	39	S5	CLUTCH SHIFT	6500S	OPP	08	
		R (137)		120	200	39	S5	CLUTCH SHIFT	6500S	OPP	08	
		S (150)		132	190	37	S5	CLUTCH SHIFT	6500S	OPP	08	
		T (165)		145	175	34	S5	CLUTCH SHIFT	6500S	OPP	08	
6000		Forward (73)		64	150	30	S5		6500S	BOTH	08	
		Reverse (83)		73	150	30	S5		6500S	BOTH	08	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		S4	(SP7) GA8093	8375S	OPP	08	
		B (55)		48	250	49	S4	(SP7) GA8093	8375S	OPP	08	
		C (73)		64	250	49	S4	(SP7) GA8093	8375S	OPP	08	
		E (86)		77	225	44	S4	(SP7) GA8093	8375S	OPP	08	
		J (95)		84	225	44	S4	(SP7) GA8093	8375S	OPP	08	
		O (125)		110	200	39	S4	(SP7) GA8093	8375S	OPP	08	
		R (137)		121	200	39	S4	(SP7) GA8093	8375S	OPP	08	
		S (150)		132	190	37	S4	(SP7) GA8093	8375S	OPP	08	
		T (165)		145	175	34	S4	(SP7) GA8093	8375S	OPP	08	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

Spicer

CM-5052D(301250)(301230)
CM-5552D(301312)(301369)
CM-5952D(301363)

ES55-5D
ES60-5D(301462)
ES62-5D(301530)

ES67-5D(301534)
ES68-5D

SPIC.20

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
3800		Z (40)		38	250	49	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		A (50)		48	250	49	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		B (55)		53	250	49	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		C (73)		70	250	49	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		E (86)		84	225	44	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		J (95)		92	225	44	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		O (125)		120	200	39	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		R (137)		131	200	39	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		S (150)		144	190	37	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		T (165)		158	175	34	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
6800		Forward (55)		70	150	30	S4	(SP7) GA8093	8375S	BOTH	08	
		Reverse (52)		80	150	30	S4	(SP7) GA8093	8375S	BOTH	08	
8000		Forward (40)		40	500	95	S4	(SP7) GA8093	8375S	BOTH	08	
		Reverse (50)		47	500	95	S4	(SP7) GA8093	8375S	BOTH	08	
8500		B (57)		36	500	95	S4	(SP7) GA8093	8375S	OPP	08	
		C (70)		48	500	95	S4	(SP7) GA8093	8375S	OPP	08	
		E (86)		57	480	90	S4	(SP7) GA8093	8375S	OPP	08	
		J (105)		71	450	86	S4	(SP7) GA8093	8375S	OPP	08	
		O (127)		82	400	76	S4	(SP7) GA8093	8375S	OPP	08	
		R (137)		90	360	68	S4	(SP7) GA8093	8375S	OPP	08	
		S (150)		99	320	62	S4	(SP7) GA8093	8375S	OPP	08	
		T (165)		109	280	54	S4	(SP7) GA8093	8375S	OPP	08	

FOOT NOTES:

SP7: Use "3" assembly arrangement for MACK Midliner.

SP8: Multiply speeds shown by .92 for transmission model CM-5052-D.

For complete part numbers, consult the PTO Series section (page 25)

1007-2A(301117)(301206)
1062A(301101)

1064A(301102)
1207-2A(301195)

1362A(301169)
1462A(301173)

SPIC.21

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		56	250	49	S9	6140S	AD530-1X	ENG	01	
		C (73)		75	250	49	S9	6140S	AD530-1X	ENG	01	
		E (86)		89	225	44	S9	6140S	AD530-1X	ENG	01	
		J (95)		97	225	44	S9	6140S	AD530-1X	ENG	01	
		O (125)		128	200	39	S9	6140S	AD530-1X	ENG	01	
		R (137)		140	200	39	S9	6140S	AD530-1X	ENG	01	
		S (150)		153	190	37	S9	6140S	AD530-1X	ENG	01	
		T (165)		169	175	34	S9	6140S	AD530-1X	ENG	01	
3200		Z (40)		41	250	49	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		A (50)		51	250	49	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		B (55)		56	250	49	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		C (73)		75	250	49	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		E (86)		89	225	44	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		J (95)		98	225	44	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		O (125)		128	200	39	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		R (137)		140	200	39	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		S (150)		153	190	37	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		T (165)		168	175	34	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
6000		Forward (73)		75	150	30	S9	6140S	AD530-1X	BOTH	01	
		Reverse (83)		85	150	30	S9	6140S	AD530-1X	BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Spicer

1052A(301091)
1054A(301092)

1352A(301235)
PS105-7LL(301464)

PS130-5A(301470)
PS130-6L(301465)

T-9505-2A(301408)
T-9505-2B(301425)

SPIC.22

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		54	250	49	S9	AD530-1X/GA6093	6562S/6800S	ENG	01	
		C (73)		71	250	49	S9	AD530-1X/GA6093	6562S/6800S	ENG	01	
		E (86)		85	225	44	S9	AD530-1X/GA6093	6562S/6800S	ENG	01	
		J (95)		93	225	44	S9	AD530-1X/GA6093	6562S/6800S	ENG	01	
		O (125)		122	200	39	S9	AD530-1X/GA6093	6562S/6800S	ENG	01	
		R (137)		134	200	39	S9	AD530-1X/GA6093	6562S/6800S	ENG	01	
		S (150)		147	190	37	S9	AD530-1X/GA6093	6562S/6800S	ENG	01	
		T (165)		161	175	34	S9	AD530-1X/GA6093	6562S/6800S	ENG	01	
3200		Z (40)		39	250	49	S9	AD530-1X/GA6093 CLUTCH SHIFT	6562S/6800S	ENG	01	
		A (50)		49	250	49	S9	AD530-1X/GA6093 CLUTCH SHIFT	6562S/6800S	ENG	01	
		B (55)		54	250	49	S9	AD530-1X/GA6093 CLUTCH SHIFT	6562S/6800S	ENG	01	
		C (73)		71	250	49	S9	AD530-1X/GA6093 CLUTCH SHIFT	6562S/6800S	ENG	01	
		E (86)		86	225	44	S9	AD530-1X/GA6093 CLUTCH SHIFT	6562S/6800S	ENG	01	
		J (95)		93	225	44	S9	AD530-1X/GA6093 CLUTCH SHIFT	6562S/6800S	ENG	01	
		O (125)		122	200	39	S9	AD530-1X/GA6093 CLUTCH SHIFT	6562S/6800S	ENG	01	
		R (137)		134	200	39	S9	AD530-1X/GA6093 CLUTCH SHIFT	6562S/6800S	ENG	01	
		S (150)		147	190	37	S9	AD530-1X/GA6093 CLUTCH SHIFT	6562S/6800S	ENG	01	
		T (165)		161	175	34	S9	AD530-1X/GA6093 CLUTCH SHIFT	6562S/6800S	ENG	01	
6000		Forward (73)		71	150	30	S9	AD530-1X/GA6093	6562S/6800S	BOTH	01	
		Reverse (83)		81	150	30	S9	AD530-1X/GA6093	6562S/6800S	BOTH	01	

FOOT NOTES:

SP14: There is no PTO application for bottom opening due to non-standard mounting depth. Adapters are not approved for this transmission opening.

For complete part numbers, consult the PTO Series section (page 25)

1062B(301103) 1062D(301148) 1064B(301104) 1064D(301149) 1272B(301158) 1274B(301159) **SPIC.23**

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		60	250	49	INCL		6140S	OPP	01	
		C (73)		80	250	49	INCL		6140S	OPP	01	
		E (86)		95	225	44	INCL		6140S	OPP	01	
		J (95)		104	225	44	INCL		6140S	OPP	01	
		O (125)		136	200	39	INCL		6140S	OPP	01	
		R (137)		149	200	39	INCL		6140S	OPP	01	
		S (150)		164	190	37	INCL		6140S	OPP	01	
		T (165)		180	175	34	INCL		6140S	OPP	01	

PSO165-18A(301666) PSO165-18B PSO175-18A(301585) PSO175-18B PSO175-18M(301849) **SPIC.24**

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		71	250	49	S5	(SP16)	6450S	OPP	01	
		C (73)		95	250	49	S5	(SP16)	6450S	OPP	01	
		E (86)		113	225	44	S5	(SP16)	6450S	OPP	01	
		J (95)		123	225	44	S5	(SP16)	6450S	OPP	01	
		O (125)		162	200	39	S5	(SP16)	6450S	OPP	01	
		R (137)		177	200	39	S5	(SP16)	6450S	OPP	01	
		S (150)		194	190	37	S5	(SP16)	6450S	OPP	01	
		T (165)		214	175	34	S5	(SP16)	6450S	OPP	01	
3200		Z (40)		52	250	49	S5	CLUTCH SHIFT	6450S	OPP	01	
		A (50)		65	250	49	S5	CLUTCH SHIFT	6450S	OPP	01	
		B (55)		71	250	49	S5	CLUTCH SHIFT	6450S	OPP	01	
		C (73)		95	250	49	S5	CLUTCH SHIFT	6450S	OPP	01	
		E (86)		113	225	44	S5	CLUTCH SHIFT	6450S	OPP	01	
		J (95)		124	225	44	S5	CLUTCH SHIFT	6450S	OPP	01	
		O (125)		162	200	39	S5	CLUTCH SHIFT	6450S	OPP	01	
		R (137)		177	200	39	S5	CLUTCH SHIFT	6450S	OPP	01	
		S (150)		194	190	37	S5	CLUTCH SHIFT	6450S	OPP	01	
		T (165)		213	175	34	S5	CLUTCH SHIFT	6450S	OPP	01	
6000		Forward (73)		95	150	30	S5		6450S	BOTH	01	
		Reverse (83)		108	150	30	S5		6450S	BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

Spicer

PSO165-18A(301666) PSO165-18B PSO175-18A(301585) PSO175-18B PSO175-18M(301849) **SPIC.24**

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		65	250		S4	(SP16) GA8093	8248S	OPP	01	 ↑ 1B
		B (55)		71	250	49	S4	(SP16) GA8093	8248S	OPP	01	
		C (73)		95	250	49	S4	(SP16) GA8093	8248S	OPP	01	
		E (86)		113	225	44	S4	(SP16) GA8093	8248S	OPP	01	
		J (95)		123	225	44	S4	(SP16) GA8093	8248S	OPP	01	
		O (125)		162	200	39	S4	(SP16) GA8093	8248S	OPP	01	
		R (137)		177	200	39	S4	(SP16) GA8093	8248S	OPP	01	
		S (150)		194	190	37	S4	(SP16) GA8093	8248S	OPP	01	
		T (165)		214	175	34	S4	(SP16) GA8093	8248S	OPP	01	
3800		Z (40)		52	250	49	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	 ↑ 1B
		A (50)		65	250	49	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
		B (55)		71	250	49	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
		C (73)		95	250	49	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
		E (86)		113	225	44	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
		J (95)		124	225	44	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
		O (125)		162	200	39	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
		R (137)		177	200	39	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
		S (150)		194	190	37	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
		T (165)		213	175	34	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
4100		B (57)		74	450	87	S4	(SP2,16) GA8093	8248S	OPP	01	 ↑ 1B
		C (70)		91	470	90	S4	(SP2,16) GA8093	8248S	OPP	01	
		E (86)		111	470	90	S4	(SP2,16) GA8093	8248S	OPP	01	
		J (105)		136	400	77	S4	(SP2,16) GA8093	8248S	OPP	01	
4250		Output 1 C (96)		125	420	80	INCL	(SP2,16) GA8093		OPP	01	 ↑ 1B
		Output 2 B (89)		116	420	80	INCL	(SP2,16) GA8093		OPP	01	
		Output 1 E (112)		146	400	76.5	INCL	(SP2,16) GA8093		OPP	01	
		Output 2 C (104)		135	420	80	INCL	(SP2,16) GA8093		OPP	01	
		Output 1 J (132)		171	380	73	INCL	(SP2,16) GA8093		OPP	01	
		Output 2 E (121)		157	400	76.5	INCL	(SP2,16) GA8093		OPP	01	
		Output 1 O (168)		218	350	67	INCL	(SP2,16) GA8093		OPP	01	
		Output 2 J (152)		197	380	73	INCL	(SP2,16) GA8093		OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

PSO165-18A(301666) PSO165-18B PSO175-18A(301585) PSO175-18B PSO175-18M(301849) **SPIC.24**

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
6800		Forward (55)		95	150	30	S4	(SP16) GA8093	8248S	BOTH	01	 ↑ 1B
		Reverse (52)		108	150	30	S4	(SP16) GA8093	8248S	BOTH	01	
8000		Forward (40)		53	500	95	S4	(SP16) GA8093	8248S	BOTH	01	 ↑ 1B
		Reverse (50)		64	500	95	S4	(SP16) GA8093	8248S	BOTH	01	
8500		B (57)		49	500	95	S4	(SP16) GA8093	8248S	OPP	01	 ↑ 1B
		C (70)		65	500	95	S4	(SP16) GA8093	8248S	OPP	01	
		E (86)		77	480	90	S4	(SP16) GA8093	8248S	OPP	01	
		J (105)		96	450	86	S4	(SP16) GA8093	8248S	OPP	01	
		O (127)		111	400	76	S4	(SP16) GA8093	8248S	OPP	01	
		R (137)		122	360	68	S4	(SP16) GA8093	8248S	OPP	01	
		S (150)		134	320	62	S4	(SP16) GA8093	8248S	OPP	01	
		T (165)		147	280	54	S4	(SP16) GA8093	8248S	OPP	01	

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO.

SP16: Speeds shown with transmission in high range. Multiply speeds by .84 for low range.

//////////////////////////////////// For complete part numbers, consult the PTO Series section (page 25) //////////////////////////////////////

Spicer

TSP0165-18A

TSP0165-18HP

SPIC.25

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		71	250	49	S5		6450S	OPP	01	
		C (73)		95	250	49	S5		6450S	OPP	01	
		E (86)		113	225	44	S5		6450S	OPP	01	
		J (95)		123	225	44	S5		6450S	OPP	01	
		O (125)		162	200	39	S5		6450S	OPP	01	
		R (137)		177	200	39	S5		6450S	OPP	01	
		S (150)		194	190	37	S5		6450S	OPP	01	
		T (165)		214	175	34	S5		6450S	OPP	01	
3200		Z (40)		52	250	49	S5	CLUTCH SHIFT	6450S	OPP	01	
		A (50)		65	250	49	S5	CLUTCH SHIFT	6450S	OPP	01	
		B (55)		71	250	49	S5	CLUTCH SHIFT	6450S	OPP	01	
		C (73)		95	250	49	S5	CLUTCH SHIFT	6450S	OPP	01	
		E (86)		113	225	44	S5	CLUTCH SHIFT	6450S	OPP	01	
		J (95)		124	225	44	S5	CLUTCH SHIFT	6450S	OPP	01	
		O (125)		162	200	39	S5	CLUTCH SHIFT	6450S	OPP	01	
		R (137)		177	200	39	S5	CLUTCH SHIFT	6450S	OPP	01	
		S (150)		194	190	37	S5	CLUTCH SHIFT	6450S	OPP	01	
		T (165)		213	175	34	S5	CLUTCH SHIFT	6450S	OPP	01	
6000		Forward (73)		95	150	30	S5		6450S	BOTH	01	
		Reverse (83)		108	150	30	S5		6450S	BOTH	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		71	250		S4	(SP16) GA8093	8248S	OPP	01	
		B (55)		71	250	49	S4	(SP16) GA8093	8248S	OPP	01	
		C (73)		95	250	49	S4	(SP16) GA8093	8248S	OPP	01	
		E (86)		113	225	44	S4	(SP16) GA8093	8248S	OPP	01	
		J (95)		123	225	44	S4	(SP16) GA8093	8248S	OPP	01	
		O (125)		162	200	39	S4	(SP16) GA8093	8248S	OPP	01	
		R (137)		177	200	39	S4	(SP16) GA8093	8248S	OPP	01	
		S (150)		194	190	37	S4	(SP16) GA8093	8248S	OPP	01	
		T (165)		214	175	34	S4	(SP16) GA8093	8248S	OPP	01	

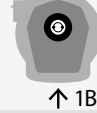
CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

TSP0165-18A,

TSP0165-18HP

SPIC.25

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
3800		Z (40)		52	250	49	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	 ↑ 1B
		A (50)		65	250	49	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
		B (55)		71	250	49	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
		C (73)		95	250	49	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
		E (86)		113	225	44	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
		J (95)		124	225	44	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
		O (125)		162	200	39	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
		R (137)		177	200	39	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
		S (150)		194	190	37	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
		T (165)		213	175	34	S4	(SP16) GA8093 CLUTCH SHIFT	8248S	OPP	01	
4100		B (57)		74	450	87	S4	(SP2,16) GA8093	8248S	OPP	01	 ↑ 1B
		C (70)		91	470	90	S4	(SP2,16) GA8093	8248S	OPP	01	
		E (86)		111	470	90	S4	(SP2,16) GA8093	8248S	OPP	01	
		J (105)		136	400	77	S4	(SP2,16) GA8093	8248S	OPP	01	
4250		Output 1 C (96)		125	420	80	INCL	(SP2,16) GA8093		OPP	01	 ↑ 1B
		Output 2 B (89)		116	420	80	INCL	(SP2,16) GA8093		OPP	01	
		Output 1 E (112)		146	400	76.5	INCL	(SP2,16) GA8093		OPP	01	
		Output 2 C (104)		135	420	80	INCL	(SP2,16) GA8093		OPP	01	
		Output 1 J (132)		171	380	73	INCL	(SP2,16) GA8093		OPP	01	
		Output 2 E (121)		157	400	76.5	INCL	(SP2,16) GA8093		OPP	01	
		Output 1 O (168)		218	350	67	INCL	(SP2,16) GA8093		OPP	01	
		Output 2 J (152)		197	380	73	INCL	(SP2,16) GA8093		OPP	01	
6800		Forward (55)		95	150	30	S4	(SP16) GA8093	8248S	BOTH	01	 ↑ 1B
		Reverse (52)		108	150	30	S4	(SP16) GA8093	8248S	BOTH	01	
8000		Forward (40)		53	500	95	S4	(SP16) GA8093	8248S	BOTH	01	 ↑ 1B
		Reverse (50)		64	500	95	S4	(SP16) GA8093	8248S	BOTH	01	
8500		B (57)		49	500	95	S4	(SP16) GA8093	8248S	OPP	01	 ↑ 1B
		C (70)		65	500	95	S4	(SP16) GA8093	8248S	OPP	01	
		E (86)		77	480	90	S4	(SP16) GA8093	8248S	OPP	01	
		J (105)		96	450	86	S4	(SP16) GA8093	8248S	OPP	01	
		O (127)		111	400	76	S4	(SP16) GA8093	8248S	OPP	01	
		R (137)		122	360	68	S4	(SP16) GA8093	8248S	OPP	01	
		S (150)		134	320	62	S4	(SP16) GA8093	8248S	OPP	01	
		T (165)		147	280	54	S4	(SP16) GA8093	8248S	OPP	01	

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO. **SP16:** Speeds shown with transmission in high range. Multiply speeds by .84 for low range.

For complete part numbers, consult the PTO Series section (page 25)

Spicer

PSO150-16B(301647)
PSO165-16B(301583)

PSO175-16B(301584)
PSO175-16M(301645)

TSPO145-16B
TSPO155-16B

TSPO155-16HP
TSPO165-16HP

SPIC.26

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		73	250	49	S5	(SP17)	6450S	OPP	01	
		C (73)		97	250	49	S5	(SP17)	6450S	OPP	01	
		E (86)		115	225	44	S5	(SP17)	6450S	OPP	01	
		J (95)		126	225	44	S5	(SP17)	6450S	OPP	01	
		O (125)		165	200	39	S5	(SP17)	6450S	OPP	01	
		R (137)		181	200	39	S5	(SP17)	6450S	OPP	01	
		S (150)		199	190	37	S5	(SP17)	6450S	OPP	01	
		T (165)		218	175	34	S5	(SP17)	6450S	OPP	01	
3200		Z (40)		53	250	49	S5	(SP17) CLUTCH SHIFT	6450S	OPP	01	
		A (50)		66	250	49	S5	(SP17) CLUTCH SHIFT	6450S	OPP	01	
		B (55)		73	250	49	S5	(SP17) CLUTCH SHIFT	6450S	OPP	01	
		C (73)		97	250	49	S5	(SP17) CLUTCH SHIFT	6450S	OPP	01	
		E (86)		116	225	44	S5	(SP17) CLUTCH SHIFT	6450S	OPP	01	
		J (95)		127	225	44	S5	(SP17) CLUTCH SHIFT	6450S	OPP	01	
		O (125)		165	200	39	S5	(SP17) CLUTCH SHIFT	6450S	OPP	01	
		R (137)		181	200	39	S5	(SP17) CLUTCH SHIFT	6450S	OPP	01	
		S (150)		199	190	37	S5	(SP17) CLUTCH SHIFT	6450S	OPP	01	
		T (165)		218	175	34	S5	(SP17) CLUTCH SHIFT	6450S	OPP	01	
6000		Forward (73)		97	150	30	S5	(SP17)	6450S	BOTH	01	
		Reverse (83)		110	150	30	S5	(SP17)	6450S	BOTH	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		66	250		S4	(SP17) 8248S	GA8093	OPP	01	
		B (55)		73	250	49	S4	(SP17) 8248S	GA8093	OPP	01	
		C (73)		97	250	49	S4	(SP17) 8248S	GA8093	OPP	01	
		E (86)		115	225	44	S4	(SP17) 8248S	GA8093	OPP	01	
		J (95)		126	225	44	S4	(SP17) 8248S	GA8093	OPP	01	
		O (125)		165	200	39	S4	(SP17) 8248S	GA8093	OPP	01	
		R (137)		181	200	39	S4	(SP17) 8248S	GA8093	OPP	01	
		S (150)		199	190	37	S4	(SP17) 8248S	GA8093	OPP	01	
		T (165)		218	175	34	S4	(SP17) 8248S	GA8093	OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

PSO150-16B(301647)
PSO165-16B(301583)

PSO175-16B(301584)
PSO175-16M(301645)

TSP0145-16B
TSP0155-16B

TSP0155-16HP
TSP0165-16HP

SPIC.26

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
3800		Z (40)		53	250	49	S4	(SP17) 8248S CLUTCH SHIFT	GA8093	OPP	01	 ↑ 1B
		A (50)		66	250	49	S4	(SP17) 8248S CLUTCH SHIFT	GA8093	OPP	01	
		B (55)		73	250	49	S4	(SP17) 8248S CLUTCH SHIFT	GA8093	OPP	01	
		C (73)		97	250	49	S4	(SP17) 8248S CLUTCH SHIFT	GA8093	OPP	01	
		E (86)		116	225	44	S4	(SP17) 8248S CLUTCH SHIFT	GA8093	OPP	01	
		J (95)		127	225	44	S4	(SP17) 8248S CLUTCH SHIFT	GA8093	OPP	01	
		O (125)		165	200	39	S4	(SP17) 8248S CLUTCH SHIFT	GA8093	OPP	01	
		R (137)		181	200	39	S4	(SP17) 8248S CLUTCH SHIFT	GA8093	OPP	01	
		S (150)		199	190	37	S4	(SP17) 8248S CLUTCH SHIFT	GA8093	OPP	01	
		T (165)		218	175	34	S4	(SP17) 8248S CLUTCH SHIFT	GA8093	OPP	01	
4100		B (57)		75	450	87	S4	(SP2,17) 8248S	GA8093	OPP	01	 ↑ 1B
		C (70)		93	470	90	S4	(SP2,17) 8248S	GA8093	OPP	01	
		E (86)		114	470	90	S4	(SP2,17) 8248S	GA8093	OPP	01	
		J (105)		139	400	77	S4	(SP2,17) 8248S	GA8093	OPP	01	
4250		Output 1 C (96)		127	420	80	INCL	(SP2,17) 8248S		OPP	01	 ↑ 1B
		Output 2 B (89)		118	420	80	INCL	(SP2,17) 8248S		OPP	01	
		Output 1 E (112)		149	400	76.5	INCL	(SP2,17) 8248S		OPP	01	
		Output 2 C (104)		137	420	80	INCL	(SP2,17) 8248S		OPP	01	
		Output 1 J (132)		174	380	73	INCL	(SP2,17) 8248S		OPP	01	
		Output 2 E (121)		160	400	76.5	INCL	(SP2,17) 8248S		OPP	01	
		Output 1 O (168)		223	350	67	INCL	(SP2,17) 8248S		OPP	01	
		Output 2 J (152)		202	380	73	INCL	(SP2,17) 8248S		OPP	01	
6800		Forward (55)		97	150	30	S4	(SP17) 8248S	GA8093	BOTH	01	 ↑ 1B
		Reverse (52)		110	150	30	S4	(SP17) 8248S	GA8093	BOTH	01	
8000		Forward (40)		55	500	95	S4	(SP17) 8248S	GA8093	BOTH	01	 ↑ 1B
		Reverse (50)		65	500	95	S4	(SP17) 8248S	GA8093	BOTH	01	
8500		B (57)		50	500	95	S4	(SP17) 8248S	GA8093	OPP	01	 ↑ 1B
		C (70)		66	500	95	S4	(SP17) 8248S	GA8093	OPP	01	
		E (86)		79	480	90	S4	(SP17) 8248S	GA8093	OPP	01	
		J (105)		98	450	86	S4	(SP17) 8248S	GA8093	OPP	01	
		O (127)		114	400	76	S4	(SP17) 8248S	GA8093	OPP	01	
		R (137)		125	360	68	S4	(SP17) 8248S	GA8093	OPP	01	
		S (150)		137	320	62	S4	(SP17) 8248S	GA8093	OPP	01	
		T (165)		150	280	54	S4	(SP17) 8248S	GA8093	OPP	01	

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO. **SP17:** Speeds shown with transmission in high range. Multiply speeds by .82 for low range.

For complete part numbers, consult the PTO Series section (page 25)

Spicer

CM-6052A(301253)(301075)(301413)
ES65-5A(301466)

ES70-5A(301536)
ES72-5A

SPIC.29

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		55	250	49	S3		6240S	OPP	05	
		C (73)		73	250	49	S3		6240S	OPP	05	
		E (86)		87	225	44	S3		6240S	OPP	05	
		J (95)		94	225	44	S3		6240S	OPP	05	
		O (125)		124	200	39	S3		6240S	OPP	05	
		R (137)		136	200	39	S3		6240S	OPP	05	
		S (150)		149	190	37	S3		6240S	OPP	05	
		T (165)		164	175	34	S3		6240S	OPP	05	
3200		Z (40)		40	250	49	S3	CLUTCH SHIFT	6240S	OPP	05	
		A (50)		50	250	49	S3	CLUTCH SHIFT	6240S	OPP	05	
		B (55)		55	250	49	S3	CLUTCH SHIFT	6240S	OPP	05	
		C (73)		73	250	49	S3	CLUTCH SHIFT	6240S	OPP	05	
		E (86)		87	225	44	S3	CLUTCH SHIFT	6240S	OPP	05	
		J (95)		95	225	44	S3	CLUTCH SHIFT	6240S	OPP	05	
		O (125)		124	200	39	S3	CLUTCH SHIFT	6240S	OPP	05	
		R (137)		136	200	39	S3	CLUTCH SHIFT	6240S	OPP	05	
		S (150)		149	190	37	S3	CLUTCH SHIFT	6240S	OPP	05	
		T (165)		164	175	34	S3	CLUTCH SHIFT	6240S	OPP	05	
6000		Forward (73)		73	150	30	S3		6240S	BOTH	05	
		Reverse (83)		83	150	30	S3		6240S	BOTH	05	

For complete part numbers, consult the PTO Series section (page 25)

CM-6052A(301253)(301075)(301413)
ES65-5A(301466)

ES70-5A(301536)
ES72-5A

SPIC.29

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		S6	GA8093	8700S	OPP	05	
		B (55)		55	250	49	S6	GA8093	8700S	OPP	05	
		C (73)		73	250	49	S6	GA8093	8700S	OPP	05	
		E (86)		87	225	44	S6	GA8093	8700S	OPP	05	
		J (95)		94	225	44	S6	GA8093	8700S	OPP	05	
		O (125)		124	200	39	S6	GA8093	8700S	OPP	05	
		R (137)		136	200	39	S6	GA8093	8700S	OPP	05	
		S (150)		149	190	37	S6	GA8093	8700S	OPP	05	
		T (165)		164	175	34	S6	GA8093	8700S	OPP	05	
3800		Z (40)		38	250	49	S6	GA8093 CLUTCH SHIFT	8700S	OPP	05	
		A (50)		47	250	49	S6	GA8093 CLUTCH SHIFT	8700S	OPP	05	
		B (55)		52	250	49	S6	GA8093 CLUTCH SHIFT	8700S	OPP	05	
		C (73)		69	250	49	S6	GA8093 CLUTCH SHIFT	8700S	OPP	05	
		E (86)		83	225	44	S6	GA8093 CLUTCH SHIFT	8700S	OPP	05	
		J (95)		91	225	44	S6	GA8093 CLUTCH SHIFT	8700S	OPP	05	
		O (125)		119	200	39	S6	GA8093 CLUTCH SHIFT	8700S	OPP	05	
		R (137)		130	200	39	S6	GA8093 CLUTCH SHIFT	8700S	OPP	05	
		S (150)		142	190	37	S6	GA8093 CLUTCH SHIFT	8700S	OPP	05	
6800		Forward (55)		69	150	30	S6	GA8093	8700S	BOTH	05	
		Reverse (52)		79	150	30	S6	GA8093	8700S	BOTH	05	
8000		Forward (40)		39	500	95	S6	GA8093	8700S	BOTH	05	
		Reverse (50)		47	500	95	S6	GA8093	8700S	BOTH	05	
8500		B (57)		36	500	95	S6	GA8093	8700S	OPP	05	
		C (70)		48	500	95	S6	GA8093	8700S	OPP	05	
		E (86)		57	480	90	S6	GA8093	8700S	OPP	05	
		J (105)		70	450	86	S6	GA8093	8700S	OPP	05	
		O (127)		82	400	76	S6	GA8093	8700S	OPP	05	
		R (137)		89	360	68	S6	GA8093	8700S	OPP	05	
		S (150)		98	320	62	S6	GA8093	8700S	OPP	05	
		T (165)		108	280	54	S6	GA8093	8700S	OPP	05	

For complete part numbers, consult the PTO Series section (page 25)

Spicer

CM-6052B(301254)(301082)(301414)

ES65-5B(301467)

SPIC.30

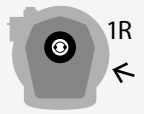
	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		52	250	49	INCL		GA6093	OPP	05	3L → 
		C (73)		69	250	49	INCL		GA6093	OPP	05	
		E (86)		82	225	44	INCL		GA6093	OPP	05	
		J (95)		90	225	44	INCL		GA6093	OPP	05	
		O (125)		118	200	39	INCL		GA6093	OPP	05	
		R (137)		129	200	39	INCL		GA6093	OPP	05	
		S (150)		142	190	37	INCL		GA6093	OPP	05	
		T (165)		156	175	34	INCL		GA6093	OPP	05	
3200		Z (40)		38	250	49	INCL	CLUTCH SHIFT	GA6093	OPP	05	3L → 
		A (50)		47	250	49	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		B (55)		52	250	49	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		C (73)		69	250	49	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		E (86)		83	225	44	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		J (95)		90	225	44	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		O (125)		118	200	39	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		R (137)		129	200	39	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		S (150)		142	190	37	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		T (165)		156	175	34	INCL	CLUTCH SHIFT	GA6093	OPP	05	
6000		Forward (73)		69	150	30	INCL		GA6093	BOTH	05	3L → 
		Reverse (83)		78	150	30	INCL		GA6093	BOTH	05	

For complete part numbers, consult the PTO Series section (page 25)

CM-6052B(301254)(301082)(301414)

ES65-5B(301467)

SPIC.30

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		S6		8600S	OPP	05	
		B (55)		52	250	49	S6		8600S	OPP	05	
		C (73)		69	250	49	S6		8600S	OPP	05	
		E (86)		82	225	44	S6		8600S	OPP	05	
		J (95)		90	225	44	S6		8600S	OPP	05	
		O (125)		118	200	39	S6		8600S	OPP	05	
		R (137)		129	200	39	S6		8600S	OPP	05	
		S (150)		142	190	37	S6		8600S	OPP	05	
		T (165)		156	175	34	S6		8600S	OPP	05	
3800		Z (40)		36	250	49	S6	CLUTCH SHIFT	8600S	OPP	05	
		A (50)		45	250	49	S6	CLUTCH SHIFT	8600S	OPP	05	
		B (55)		50	250	49	S6	CLUTCH SHIFT	8600S	OPP	05	
		C (73)		66	250	49	S6	CLUTCH SHIFT	8600S	OPP	05	
		E (86)		79	225	44	S6	CLUTCH SHIFT	8600S	OPP	05	
		J (95)		86	225	44	S6	CLUTCH SHIFT	8600S	OPP	05	
		O (125)		113	200	39	S6	CLUTCH SHIFT	8600S	OPP	05	
		R (137)		123	200	39	S6	CLUTCH SHIFT	8600S	OPP	05	
		S (150)		135	190	37	S6	CLUTCH SHIFT	8600S	OPP	05	
		T (165)		148	175	34	S6	CLUTCH SHIFT	8600S	OPP	05	
6800		Forward (55)		66	150	30	S6		8600S	BOTH	05	
		Reverse (52)		75	150	30	S6		8600S	BOTH	05	
8000		Forward (40)		37	500	95	S6		8600S	BOTH	05	
		Reverse (50)		44	500	95	S6		8600S	BOTH	05	
8500		B (57)		34	500	95	S6		8600S	OPP	05	
		C (70)		45	500	95	S6		8600S	OPP	05	
		E (86)		54	480	90	S6		8600S	OPP	05	
		J (105)		67	450	86	S6		8600S	OPP	05	
		O (127)		77	400	76	S6		8600S	OPP	05	
		R (137)		85	360	68	S6		8600S	OPP	05	
		S (150)		93	320	62	S6		8600S	OPP	05	
		T (165)		102	280	54	S6		8600S	OPP	05	

For complete part numbers, consult the PTO Series section (page 25)

Spicer

CM-6052D(301256)(301416)
CV67F

ES65-5D(301469)
ES70-5D(301539)

ES72-5C
ES72-5D

SPIC.31

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		57	250	49	S5		6450S	OPP	05	
		C (73)		76	250	49	S5		6450S	OPP	05	
		E (86)		91	225	44	S5		6450S	OPP	05	
		J (95)		99	225	44	S5		6450S	OPP	05	
		O (125)		131	200	39	S5		6450S	OPP	05	
		R (137)		143	200	39	S5		6450S	OPP	05	
		S (150)		157	190	37	S5		6450S	OPP	05	
		T (165)		172	175	34	S5		6450S	OPP	05	
3200		Z (40)		42	250	49	S5	CLUTCH SHIFT	6450S	OPP	05	
		A (50)		52	250	49	S5	CLUTCH SHIFT	6450S	OPP	05	
		B (55)		57	250	49	S5	CLUTCH SHIFT	6450S	OPP	05	
		C (73)		76	250	49	S5	CLUTCH SHIFT	6450S	OPP	05	
		E (86)		91	225	44	S5	CLUTCH SHIFT	6450S	OPP	05	
		J (95)		100	225	44	S5	CLUTCH SHIFT	6450S	OPP	05	
		O (125)		131	200	39	S5	CLUTCH SHIFT	6450S	OPP	05	
		R (137)		143	200	39	S5	CLUTCH SHIFT	6450S	OPP	05	
		S (150)		157	190	37	S5	CLUTCH SHIFT	6450S	OPP	05	
		T (165)		172	175	34	S5	CLUTCH SHIFT	6450S	OPP	05	
6000		Forward (73)		76	150	30	S5		6450S	BOTH	05	
		Reverse (83)		87	150	30	S5		6450S	BOTH	05	

For complete part numbers, consult the PTO Series section (page 25)

CM-6052D(301256)(301416)
CV67F

ES65-5D(301469)
ES70-5D(301539)

ES72-5C
ES72-5D

SPIC.31

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		S8	8375S	8600S	OPP	05	
		B (55)		57	250	49	S8	8375S	8600S	OPP	05	
		C (73)		76	250	49	S8	8375S	8600S	OPP	05	
		E (86)		91	225	44	S8	8375S	8600S	OPP	05	
		J (95)		99	225	44	S8	8375S	8600S	OPP	05	
		O (125)		131	200	39	S8	8375S	8600S	OPP	05	
		R (137)		143	200	39	S8	8375S	8600S	OPP	05	
		S (150)		157	190	37	S8	8375S	8600S	OPP	05	
		T (165)		172	175	34	S8	8375S	8600S	OPP	05	
3800		Z (40)		40	250	49	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
		A (50)		50	250	49	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
		B (55)		55	250	49	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
		C (73)		73	250	49	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
		E (86)		87	225	44	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
		J (95)		95	225	44	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
		O (125)		125	200	39	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
		R (137)		136	200	39	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
		S (150)		149	190	37	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
6800 8000		Forward (55)		73	150	30	S8	8375S	8600S	BOTH	05	
		Reverse (52)		83	150	30	S8	8375S	8600S	BOTH	05	
		Forward (40)		41	500	95	S8	8375S	8600S	BOTH	05	
		Reverse (50)		49	500	95	S8	8375S	8600S	BOTH	05	
8500		B (57)		38	500	95	S8	8375S	8600S	OPP	05	
		C (70)		50	500	95	S8	8375S	8600S	OPP	05	
		E (86)		60	480	90	S8	8375S	8600S	OPP	05	
		J (105)		74	450	86	S8	8375S	8600S	OPP	05	
		O (127)		86	400	76	S8	8375S	8600S	OPP	05	
		R (137)		94	360	68	S8	8375S	8600S	OPP	05	
		S (150)		103	320	62	S8	8375S	8600S	OPP	05	
		T (165)		113	280	54	S8	8375S	8600S	OPP	05	

For complete part numbers, consult the PTO Series section (page 25)

Spicer

5756B(8-BOLT&6-BOLT OPENING)

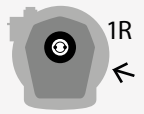
SPIC.32

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		27	250	49	INCL			OPP	03	
		C (73)		35	250	49	INCL			OPP	03	
		E (86)		42	225	44	INCL			OPP	03	
		J (95)		46	225	44	INCL			OPP	03	
		O (125)		61	200	39	INCL			OPP	03	
		R (137)		66	200	39	INCL			OPP	03	
		S (150)		73	190	37	INCL			OPP	03	
		T (165)		80	175	34	INCL			OPP	03	
3200		Z (40)		19	250	49	INCL	CLUTCH SHIFT		OPP	03	
		A (50)		24	250	49	INCL	CLUTCH SHIFT		OPP	03	
		B (55)		27	250	49	INCL	CLUTCH SHIFT		OPP	03	
		C (73)		35	250	49	INCL	CLUTCH SHIFT		OPP	03	
		E (86)		42	225	44	INCL	CLUTCH SHIFT		OPP	03	
		J (95)		46	225	44	INCL	CLUTCH SHIFT		OPP	03	
		O (125)		61	200	39	INCL	CLUTCH SHIFT		OPP	03	
		R (137)		66	200	39	INCL	CLUTCH SHIFT		OPP	03	
		S (150)		73	190	37	INCL	CLUTCH SHIFT		OPP	03	
		T (165)		80	175	34	INCL	CLUTCH SHIFT		OPP	03	

For complete part numbers, consult the PTO Series section (page 25)

5756B(8-BOLT&6-BOLT OPENING)

SPIC.32

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		INCL		8500 SHIM	OPP	03	
		B (55)		57	250	49	INCL		8500 SHIM	OPP	03	
		C (73)		76	250	49	INCL		8500 SHIM	OPP	03	
		E (86)		91	225	44	INCL		8500 SHIM	OPP	03	
		J (95)		99	225	44	INCL		8500 SHIM	OPP	03	
		O (125)		130	200	39	INCL		8500 SHIM	OPP	03	
		R (137)		143	200	39	INCL		8500 SHIM	OPP	03	
		S (150)		156	190	37	INCL		8500 SHIM	OPP	03	
		T (165)		172	175	34	INCL		8500 SHIM	OPP	03	
3800		Z (40)		42	250	49	INCL	CLUTCH SHIFT	8500 SHIM	OPP	03	
		A (50)		52	250	49	INCL	CLUTCH SHIFT	8500 SHIM	OPP	03	
		B (55)		57	250	49	INCL	CLUTCH SHIFT	8500 SHIM	OPP	03	
		C (73)		76	250	49	INCL	CLUTCH SHIFT	8500 SHIM	OPP	03	
		E (86)		91	225	44	INCL	CLUTCH SHIFT	8500 SHIM	OPP	03	
		J (95)		100	225	44	INCL	CLUTCH SHIFT	8500 SHIM	OPP	03	
		O (125)		130	200	39	INCL	CLUTCH SHIFT	8500 SHIM	OPP	03	
		R (137)		143	200	39	INCL	CLUTCH SHIFT	8500 SHIM	OPP	03	
		S (150)		156	190	37	INCL	CLUTCH SHIFT	8500 SHIM	OPP	03	
6800		Forward (55)		76	150	30	INCL		8500 SHIM	BOTH	03	
		Reverse (52)		86	150	30	INCL		8500 SHIM	BOTH	03	
8000		Forward (40)		43	500	95	INCL		8500 SHIM	BOTH	03	
		Reverse (50)		51	500	95	INCL		8500 SHIM	BOTH	03	
8500		B (57)		39	500	95	INCL		8500 SHIM	OPP	03	
		C (70)		52	500	95	INCL		8500 SHIM	OPP	03	
		E (86)		62	480	90	INCL		8500 SHIM	OPP	03	
		J (105)		77	450	86	INCL		8500 SHIM	OPP	03	
		O (127)		90	400	76	INCL		8500 SHIM	OPP	03	
		R (137)		98	360	68	INCL		8500 SHIM	OPP	03	
		S (150)		107	320	62	INCL		8500 SHIM	OPP	03	
		T (165)		118	280	54	INCL		8500 SHIM	OPP	03	

For complete part numbers, consult the PTO Series section (page 25)

Spicer

CM-5252A(301251)(301081) CM-5852A(301313)(301370) CM-5952E(301364)

ES60-5E(301463)

SPIC.33

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		53	250	49	S5		6500S	OPP	08	
		C (73)		70	250	49	S5		6500S	OPP	08	
		E (86)		83	225	44	S5		6500S	OPP	08	
		J (95)		91	225	44	S5		6500S	OPP	08	
		O (125)		120	200	39	S5		6500S	OPP	08	
		R (137)		131	200	39	S5		6500S	OPP	08	
		S (150)		144	190	37	S5		6500S	OPP	08	
		T (165)		158	175	34	S5		6500S	OPP	08	
3200		Z (40)		38	250	49	S5	CLUTCH SHIFT	6500S	OPP	08	
		A (50)		48	250	49	S5	CLUTCH SHIFT	6500S	OPP	08	
		B (55)		53	250	49	S5	CLUTCH SHIFT	6500S	OPP	08	
		C (73)		70	250	49	S5	CLUTCH SHIFT	6500S	OPP	08	
		E (86)		84	225	44	S5	CLUTCH SHIFT	6500S	OPP	08	
		J (95)		92	225	44	S5	CLUTCH SHIFT	6500S	OPP	08	
		O (125)		120	200	39	S5	CLUTCH SHIFT	6500S	OPP	08	
		R (137)		131	200	39	S5	CLUTCH SHIFT	6500S	OPP	08	
		S (150)		144	190	37	S5	CLUTCH SHIFT	6500S	OPP	08	
		T (165)		158	175	34	S5	CLUTCH SHIFT	6500S	OPP	08	
6000		Forward (73)		70	150	30	S5		6500S	BOTH	08	
		Reverse (83)		79	150	30	S5		6500S	BOTH	08	

For complete part numbers, consult the PTO Series section (page 25)

CM-5252A(301251)(301081) CM-5852A(301313)(301370) CM-5952E(301364)

ES60-5E(301463)

SPIC.33

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		S4	(SP7) GA8093	8375S	OPP	08	
		B (55)		53	250	49	S4	(SP7) GA8093	8375S	OPP	08	
		C (73)		70	250	49	S4	(SP7) GA8093	8375S	OPP	08	
		E (86)		83	225	44	S4	(SP7) GA8093	8375S	OPP	08	
		J (95)		91	225	44	S4	(SP7) GA8093	8375S	OPP	08	
		O (125)		120	200	39	S4	(SP7) GA8093	8375S	OPP	08	
		R (137)		131	200	39	S4	(SP7) GA8093	8375S	OPP	08	
		S (150)		144	190	37	S4	(SP7) GA8093	8375S	OPP	08	
		T (165)		158	175	34	S4	(SP7) GA8093	8375S	OPP	08	
3800		Z (40)		42	250	49	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		A (50)		52	250	49	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		B (55)		57	250	49	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		C (73)		76	250	49	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		E (86)		91	225	44	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		J (95)		100	225	44	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		O (125)		130	200	39	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		R (137)		143	200	39	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		S (150)		157	190	37	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
		T (165)		172	175	34	S4	(SP7) GA8093 CLUTCH SHIFT	8375S	OPP	08	
6800		Forward (55)		76	150	30	S4	(SP7) GA8093	8375S	BOTH	08	
		Reverse (52)		87	150	30	S4	(SP7) GA8093	8375S	BOTH	08	
8000		Forward (40)		43	500	95	S4	(SP7) GA8093	8375S	BOTH	08	
		Reverse (50)		51	500	95	S4	(SP7) GA8093	8375S	BOTH	08	
8500		B (57)		39	500	95	S4	(SP7) GA8093	8375S	OPP	08	
		C (70)		52	500	95	S4	(SP7) GA8093	8375S	OPP	08	
		E (86)		62	480	90	S4	(SP7) GA8093	8375S	OPP	08	
		J (105)		77	450	86	S4	(SP7) GA8093	8375S	OPP	08	
		O (127)		90	400	76	S4	(SP7) GA8093	8375S	OPP	08	
		R (137)		98	360	68	S4	(SP7) GA8093	8375S	OPP	08	
		S (150)		108	320	62	S4	(SP7) GA8093	8375S	OPP	08	
		T (165)		118	280	54	S4	(SP7) GA8093	8375S	OPP	08	

FOOT NOTES:

SP7: Use "3" assembly arrangement for MACK Midliner.

For complete part numbers, consult the PTO Series section (page 25)

1252A(301094)

1254A(301095)

1452A(301183)

SPIC.34

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		59	250	49	S9	61520S	AD530-1X	ENG	01	
		C (73)		79	250	49	S9	61520S	AD530-1X	ENG	01	
		E (86)		94	225	44	S9	61520S	AD530-1X	ENG	01	
		J (95)		102	225	44	S9	61520S	AD530-1X	ENG	01	
		O (125)		135	200	39	S9	61520S	AD530-1X	ENG	01	
		R (137)		147	200	39	S9	61520S	AD530-1X	ENG	01	
		S (150)		161	190	37	S9	61520S	AD530-1X	ENG	01	
		T (165)		178	175	34	S9	61520S	AD530-1X	ENG	01	
3200		Z (40)		43	250	49	S9	61520S CLUTCH SHIFT	AD530-1X	ENG	01	
		A (50)		54	250	49	S9	61520S CLUTCH SHIFT	AD530-1X	ENG	01	
		B (55)		59	250	49	S9	61520S CLUTCH SHIFT	AD530-1X	ENG	01	
		C (73)		79	250	49	S9	61520S CLUTCH SHIFT	AD530-1X	ENG	01	
		E (86)		94	225	44	S9	61520S CLUTCH SHIFT	AD530-1X	ENG	01	
		J (95)		103	225	44	S9	61520S CLUTCH SHIFT	AD530-1X	ENG	01	
		O (125)		135	200	39	S9	61520S CLUTCH SHIFT	AD530-1X	ENG	01	
		R (137)		147	200	39	S9	61520S CLUTCH SHIFT	AD530-1X	ENG	01	
		S (150)		161	190	37	S9	61520S CLUTCH SHIFT	AD530-1X	ENG	01	
		T (165)		177	175	34	S9	61520S CLUTCH SHIFT	AD530-1X	ENG	01	
6000		Forward (73)		79	150	30	S9	61520S	AD530-1X	BOTH	01	
		Reverse (83)		89	150	30	S9	61520S	AD530-1X	BOTH	01	

FOOT NOTES:

SP14: There is no PTO application for bottom opening due to non-standard mounting depth. Adapters are not approved for this transmission opening.

For complete part numbers, consult the PTO Series section (page 25)

ES54-5C

SPIC.35

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		45	250	49	S3		GA6093	OPP	30	
		C (73)		59	250	49	S3		GA6093	OPP	30	
		E (86)		71	225	44	S3		GA6093	OPP	30	
		J (95)		77	225	44	S3		GA6093	OPP	30	
		O (125)		102	200	39	S3		GA6093	OPP	30	
		R (137)		112	200	39	S3		GA6093	OPP	30	
		S (150)		122	190	37	S3		GA6093	OPP	30	
		T (165)		134	175	34	S3		GA6093	OPP	30	
3200		Z (40)		33	250	49	S3	CLUTCH SHIFT	GA6093	OPP	30	
		A (50)		41	250	49	S3	CLUTCH SHIFT	GA6093	OPP	30	
		B (55)		45	250	49	S3	CLUTCH SHIFT	GA6093	OPP	30	
		C (73)		59	250	49	S3	CLUTCH SHIFT	GA6093	OPP	30	
		E (86)		71	225	44	S3	CLUTCH SHIFT	GA6093	OPP	30	
		J (95)		78	225	44	S3	CLUTCH SHIFT	GA6093	OPP	30	
		O (125)		102	200	39	S3	CLUTCH SHIFT	GA6093	OPP	30	
		R (137)		111	200	39	S3	CLUTCH SHIFT	GA6093	OPP	30	
		S (150)		122	190	37	S3	CLUTCH SHIFT	GA6093	OPP	30	
		T (165)		134	175	34	S3	CLUTCH SHIFT	GA6093	OPP	30	
6000		Forward (73)		59	150	30	S3		GA6093	BOTH	30	
		Reverse (83)		68	150	30	S3		GA6093	BOTH	30	

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		31	250	49	INCL			OPP	03	
		C (73)		42	250	49	INCL			OPP	03	
		E (86)		50	225	44	INCL			OPP	03	
		J (95)		54	225	44	INCL			OPP	03	
		O (125)		71	200	39	INCL			OPP	03	
		R (137)		78	200	39	INCL			OPP	03	
		S (150)		85	190	37	INCL			OPP	03	
		T (165)		94	175	34	INCL			OPP	03	
1000		B (55)		34	250	49	INCL		GA6093	OPP	05	
		C (73)		45	250	49	INCL		GA6093	OPP	05	
		E (86)		54	225	44	INCL		GA6093	OPP	05	
		J (95)		59	225	44	INCL		GA6093	OPP	05	
		O (125)		78	200	39	INCL		GA6093	OPP	05	
		R (137)		85	200	39	INCL		GA6093	OPP	05	
		S (150)		93	190	37	INCL		GA6093	OPP	05	
		T (165)		103	175	34	INCL		GA6093	OPP	05	
3200		Z (40)		23	250	49	INCL	CLUTCH SHIFT		OPP	03	
		A (50)		28	250	49	INCL	CLUTCH SHIFT		OPP	03	
		B (55)		31	250	49	INCL	CLUTCH SHIFT		OPP	03	
		C (73)		42	250	49	INCL	CLUTCH SHIFT		OPP	03	
		E (86)		50	225	44	INCL	CLUTCH SHIFT		OPP	03	
		J (95)		54	225	44	INCL	CLUTCH SHIFT		OPP	03	
		O (125)		71	200	39	INCL	CLUTCH SHIFT		OPP	03	
		R (137)		78	200	39	INCL	CLUTCH SHIFT		OPP	03	
		S (150)		85	190	37	INCL	CLUTCH SHIFT		OPP	03	
		T (165)		94	175	34	INCL	CLUTCH SHIFT		OPP	03	
3200		Z (40)		25	250	49	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		A (50)		31	250	49	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		B (55)		34	250	49	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		C (73)		45	250	49	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		E (86)		54	225	44	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		J (95)		60	225	44	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		O (125)		78	200	39	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		R (137)		85	200	39	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		S (150)		93	190	37	INCL	CLUTCH SHIFT	GA6093	OPP	05	
		T (165)		102	175	34	INCL	CLUTCH SHIFT	GA6093	OPP	05	

For complete part numbers, consult the PTO Series section (page 25)

CM-6052C(301255)(301083)(301415)

ES65-5E(301468)

SPIC.37

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		62	250	49	S5		6450S	OPP	05	
		C (73)		83	250	49	S5		6450S	OPP	05	
		E (86)		99	225	44	S5		6450S	OPP	05	
		J (95)		108	225	44	S5		6450S	OPP	05	
		O (125)		142	200	39	S5		6450S	OPP	05	
		R (137)		156	200	39	S5		6450S	OPP	05	
		S (150)		170	190	37	S5		6450S	OPP	05	
		T (165)		187	175	34	S5		6450S	OPP	05	
3200		Z (40)		45	250	49	S5	CLUTCH SHIFT	6450S	OPP	05	
		A (50)		57	250	49	S5	CLUTCH SHIFT	6450S	OPP	05	
		B (55)		62	250	49	S5	CLUTCH SHIFT	6450S	OPP	05	
		C (73)		83	250	49	S5	CLUTCH SHIFT	6450S	OPP	05	
		E (86)		99	225	44	S5	CLUTCH SHIFT	6450S	OPP	05	
		J (95)		109	225	44	S5	CLUTCH SHIFT	6450S	OPP	05	
		O (125)		142	200	39	S5	CLUTCH SHIFT	6450S	OPP	05	
		R (137)		155	200	39	S5	CLUTCH SHIFT	6450S	OPP	05	
		S (150)		170	190	37	S5	CLUTCH SHIFT	6450S	OPP	05	
		T (165)		187	175	34	S5	CLUTCH SHIFT	6450S	OPP	05	
6000		Forward (73)		83	150	30	S5		6450S	BOTH	05	
		Reverse (83)		94	150	30	S5		6450S	BOTH	05	

For complete part numbers, consult the PTO Series section (page 25)

CM-6052C(301255)(301083)(301415)

ES65-5E(301468)

SPIC.37

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		S8	8375S	8600S	OPP	05	
		B (55)		62	250	49	S8	8375S	8600S	OPP	05	
		C (73)		83	250	49	S8	8375S	8600S	OPP	05	
		E (86)		99	225	44	S8	8375S	8600S	OPP	05	
		J (95)		108	225	44	S8	8375S	8600S	OPP	05	
		O (125)		142	200	39	S8	8375S	8600S	OPP	05	
		R (137)		156	200	39	S8	8375S	8600S	OPP	05	
		S (150)		170	190	37	S8	8375S	8600S	OPP	05	
		T (165)		187	175	34	S8	8375S	8600S	OPP	05	
3800		Z (40)		43	250	49	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
		A (50)		54	250	49	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
		B (55)		60	250	49	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
		C (73)		79	250	49	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
		E (86)		95	225	44	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
		J (95)		104	225	44	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
		O (125)		136	200	39	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
		R (137)		148	200	39	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
		S (150)		163	190	37	S8	8375S CLUTCH SHIFT	8600S	OPP	05	
6800		Forward (55)		79	150	30	S8	8375S	8600S	BOTH	05	
		Reverse (52)		90	150	30	S8	8375S	8600S	BOTH	05	
8000		Forward (40)		45	500	95	S8	8375S	8600S	BOTH	05	
		Reverse (50)		53	500	95	S8	8375S	8600S	BOTH	05	
8500		B (57)		41	500	95	S8	8375S	8600S	OPP	05	
		C (70)		54	500	95	S8	8375S	8600S	OPP	05	
		E (86)		65	480	90	S8	8375S	8600S	OPP	05	
		J (105)		81	450	86	S8	8375S	8600S	OPP	05	
		O (127)		93	400	76	S8	8375S	8600S	OPP	05	
		R (137)		102	360	68	S8	8375S	8600S	OPP	05	
		S (150)		112	320	62	S8	8375S	8600S	OPP	05	
		T (165)		123	280	54	S8	8375S	8600S	OPP	05	

Spicer TTC

For complete part numbers, consult the PTO Series section (page 25)

1262A(301105)

1264A(301106)

SPIC.38

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		64	250	49	S9	6140S	AD530-1X	ENG	01	
		C (73)		85	250	49	S9	6140S	AD530-1X	ENG	01	
		E (86)		101	225	44	S9	6140S	AD530-1X	ENG	01	
		J (95)		111	225	44	S9	6140S	AD530-1X	ENG	01	
		O (125)		146	200	39	S9	6140S	AD530-1X	ENG	01	
		R (137)		160	200	39	S9	6140S	AD530-1X	ENG	01	
		S (150)		175	190	37	S9	6140S	AD530-1X	ENG	01	
		T (165)		192	175	34	S9	6140S	AD530-1X	ENG	01	
3200		Z (40)		47	250	49	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		A (50)		58	250	49	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		B (55)		64	250	49	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		C (73)		85	250	49	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		E (86)		102	225	44	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		J (95)		112	225	44	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		O (125)		146	200	39	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		R (137)		160	200	39	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		S (150)		175	190	37	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
		T (165)		192	175	34	S9	6140S CLUTCH SHIFT	AD530-1X	ENG	01	
6000		Forward (73)		85	150	30	S9	6140S	AD530-1X	BOTH	01	
		Reverse (83)		97	150	30	S9	6140S	AD530-1X	BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		29	250	49	INCL			OPP	03	
		C (73)		38	250	49	INCL			OPP	03	
		E (86)		45	225	44	INCL			OPP	03	
		J (95)		49	225	44	INCL			OPP	03	
		O (125)		65	200	39	INCL			OPP	03	
		R (137)		71	200	39	INCL			OPP	03	
		S (150)		78	190	37	INCL			OPP	03	
		T (165)		86	175	34	INCL			OPP	03	
3200		Z (40)		19	250	49	INCL	CLUTCH SHIFT		OPP	03	
		A (50)		24	250	49	INCL	CLUTCH SHIFT		OPP	03	
		B (55)		26	250	49	INCL	CLUTCH SHIFT		OPP	03	
		C (73)		35	250	49	INCL	CLUTCH SHIFT		OPP	03	
		E (86)		42	225	44	INCL	CLUTCH SHIFT		OPP	03	
		J (95)		45	225	44	INCL	CLUTCH SHIFT		OPP	03	
		O (125)		59	200	39	INCL	CLUTCH SHIFT		OPP	03	
		R (137)		65	200	39	INCL	CLUTCH SHIFT		OPP	03	
		S (150)		71	190	37	INCL	CLUTCH SHIFT		OPP	03	
		T (165)		78	175	34	INCL	CLUTCH SHIFT		OPP	03	

For complete part numbers, consult the PTO Series section (page 25)

5752C(8-BOLT&6-BOLT OPENING)

SPIC.39

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		S6		08375S	OPP	08	
		B (55)		55	250	49	S6		08375S	OPP	08	
		C (73)		73	250	49	S6		08375S	OPP	08	
		E (086)		087	225	44	S6		08375S	OPP	08	
		J (95)		95	225	44	S6		08375S	OPP	08	
		O (125)		125	200	39	S6		08375S	OPP	08	
		R (137)		137	200	39	S6		08375S	OPP	08	
		S (150)		150	190	37	S6		08375S	OPP	08	
		T (165)		165	175	34	S6		08375S	OPP	08	
3800		Z (40)		44	250	49	S6	CLUTCH SHIFT	08375S	OPP	08	
		A (50)		54	250	49	S6	CLUTCH SHIFT	08375S	OPP	08	
		B (55)		60	250	49	S6	CLUTCH SHIFT	08375S	OPP	08	
		C (73)		79	250	49	S6	CLUTCH SHIFT	08375S	OPP	08	
		E (086)		95	225	44	S6	CLUTCH SHIFT	08375S	OPP	08	
		J (95)		104	225	44	S6	CLUTCH SHIFT	08375S	OPP	08	
		O (125)		136	200	39	S6	CLUTCH SHIFT	08375S	OPP	08	
		R (137)		149	200	39	S6	CLUTCH SHIFT	08375S	OPP	08	
		S (150)		163	190	37	S6	CLUTCH SHIFT	08375S	OPP	08	
6800		Forward (55)		79	150	30	S6		08375S	BOTH	08	
		Reverse (52)		90	150	30	S6		08375S	BOTH	08	
8000		Forward (40)		45	500	95	S6		08375S	BOTH	08	
		Reverse (50)		53	500	95	S6		08375S	BOTH	08	
8500		B (57)		41	500	95	S6		08375S	OPP	08	
		C (70)		55	500	95	S6		08375S	OPP	08	
		E (086)		65	4080	90	S6		08375S	OPP	08	
		J (105)		081	450	086	S6		08375S	OPP	08	
		O (127)		94	400	76	S6		08375S	OPP	08	
		R (137)		102	360	608	S6		08375S	OPP	08	
		S (150)		112	320	62	S6		08375S	OPP	08	
		T (165)		123	2080	54	S6		08375S	OPP	08	

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		29	250	49	INCL			OPP	03	
		C (73)		38	250	49	INCL			OPP	03	
		E (86)		45	225	44	INCL			OPP	03	
		J (95)		49	225	44	INCL			OPP	03	
		O (125)		65	200	39	INCL			OPP	03	
		R (137)		71	200	39	INCL			OPP	03	
		S (150)		78	190	37	INCL			OPP	03	
		T (165)		86	175	34	INCL			OPP	03	
3200		Z (40)		19	250	49	INCL	CLUTCH SHIFT		OPP	03	
		A (50)		24	250	49	INCL	CLUTCH SHIFT		OPP	03	
		B (55)		26	250	49	INCL	CLUTCH SHIFT		OPP	03	
		C (73)		35	250	49	INCL	CLUTCH SHIFT		OPP	03	
		E (86)		42	225	44	INCL	CLUTCH SHIFT		OPP	03	
		J (95)		45	225	44	INCL	CLUTCH SHIFT		OPP	03	
		O (125)		59	200	39	INCL	CLUTCH SHIFT		OPP	03	
		R (137)		65	200	39	INCL	CLUTCH SHIFT		OPP	03	
		S (150)		71	190	37	INCL	CLUTCH SHIFT		OPP	03	
		T (165)		78	175	34	INCL	CLUTCH SHIFT		OPP	03	

For complete part numbers, consult the PTO Series section (page 25)

5753A

SPIC.40

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		S6	8295S	8375S	OPP	08	
		B (55)		63	250	49	S6	8295S	8375S	OPP	08	
		C (73)		83	250	49	S6	8295S	8375S	OPP	08	
		E (86)		99	225	44	S6	8295S	8375S	OPP	08	
		J (95)		108	225	44	S6	8295S	8375S	OPP	08	
		O (125)		143	200	39	S6	8295S	8375S	OPP	08	
		R (137)		156	200	39	S6	8295S	8375S	OPP	08	
		S (150)		171	190	37	S6	8295S	8375S	OPP	08	
		T (165)		188	175	34	S6	8295S	8375S	OPP	08	
3800		Z (40)		50	250	49	S6	8295S CLUTCH SHIFT	8375S	OPP	08	
		A (50)		62	250	49	S6	8295S CLUTCH SHIFT	8375S	OPP	08	
		B (55)		68	250	49	S6	8295S CLUTCH SHIFT	8375S	OPP	08	
		C (73)		91	250	49	S6	8295S CLUTCH SHIFT	8375S	OPP	08	
		E (86)		109	225	44	S6	8295S CLUTCH SHIFT	8375S	OPP	08	
		J (95)		119	225	44	S6	8295S CLUTCH SHIFT	8375S	OPP	08	
		O (125)		155	200	39	S6	8295S CLUTCH SHIFT	8375S	OPP	08	
		R (137)		170	200	39	S6	8295S CLUTCH SHIFT	8375S	OPP	08	
		S (150)		187	190	37	S6	8295S CLUTCH SHIFT	8375S	OPP	08	
		T (165)		205	175	34	S6	8295S CLUTCH SHIFT	8375S	OPP	08	
6800		Forward (55)		91	150	30	S6	8295S	8375S	BOTH	08	
		Reverse (52)		103	150	30	S6	8295S	8375S	BOTH	08	
8000		Forward (40)		51	500	95	S6	8295S	8375S	BOTH	08	
		Reverse (50)		61	500	95	S6	8295S	8375S	BOTH	08	
8500		B (57)		47	500	95	S6	8295S	8375S	OPP	08	
		C (70)		62	500	95	S6	8295S	8375S	OPP	08	
		E (86)		74	480	90	S6	8295S	8375S	OPP	08	
		J (105)		92	450	86	S6	8295S	8375S	OPP	08	
		O (127)		107	400	76	S6	8295S	8375S	OPP	08	
		R (137)		117	360	68	S6	8295S	8375S	OPP	08	
		S (150)		128	320	62	S6	8295S	8375S	OPP	08	
		T (165)		141	280	54	S6	8295S	8375S	OPP	08	

For complete part numbers, consult the PTO Series section (page 25)

Spicer

1007-3A(301121)(301208)

1207-3A(301199)

1263B(301109)

PSO120-8LL(301644)

SPIC.41

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		77	250	49	S3	GA6032	6350S	OPP	01	
		C (73)		102	250	49	S3	GA6032	6350S	OPP	01	
		E (86)		122	225	44	S3	GA6032	6350S	OPP	01	
		J (95)		133	225	44	S3	GA6032	6350S	OPP	01	
		O (125)		175	200	39	S3	GA6032	6350S	OPP	01	
		R (137)		192	200	39	S3	GA6032	6350S	OPP	01	
		S (150)		210	190	37	S3	GA6032	6350S	OPP	01	
		T (165)		231	175	34	S3	GA6032	6350S	OPP	01	
3200		Z (40)		56	250	49	S3	GA6032 CLUTCH SHIFT	6350S	OPP	01	
		A (50)		70	250	49	S3	GA6032 CLUTCH SHIFT	6350S	OPP	01	
		B (55)		77	250	49	S3	GA6032 CLUTCH SHIFT	6350S	OPP	01	
		C (73)		102	250	49	S3	GA6032 CLUTCH SHIFT	6350S	OPP	01	
		E (86)		123	225	44	S3	GA6032 CLUTCH SHIFT	6350S	OPP	01	
		J (95)		134	225	44	S3	GA6032 CLUTCH SHIFT	6350S	OPP	01	
		O (125)		175	200	39	S3	GA6032 CLUTCH SHIFT	6350S	OPP	01	
		R (137)		192	200	39	S3	GA6032 CLUTCH SHIFT	6350S	OPP	01	
		S (150)		210	190	37	S3	GA6032 CLUTCH SHIFT	6350S	OPP	01	
		T (165)		231	175	34	S3	GA6032 CLUTCH SHIFT	6350S	OPP	01	
6000		Forward (73)		102	150	30	S3	GA6032	6350S	BOTH	01	
		Reverse (83)		116	150	30	S3	GA6032	6350S	BOTH	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		70	250		INCL	GA8032	8165S	OPP	01	
		B (55)		77	250	49	INCL	GA8032	8165S	OPP	01	
		C (73)		102	250	49	INCL	GA8032	8165S	OPP	01	
		E (86)		122	225	44	INCL	GA8032	8165S	OPP	01	
		J (95)		133	225	44	INCL	GA8032	8165S	OPP	01	
		O (125)		175	200	39	INCL	GA8032	8165S	OPP	01	
		R (137)		192	200	39	INCL	GA8032	8165S	OPP	01	
		S (150)		210	190	37	INCL	GA8032	8165S	OPP	01	
		T (165)		231	175	34	INCL	GA8032	8165S	OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

1007-3A(301121)(301208) 1207-3A(301199)

1263B(301109)

PSO120-8LL(301644)

SPIC.41

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
3800		Z (40)		56	250	49	INCL	GA8032 CLUTCH SHIFT	81655	OPP	1	 ↑ 1B
		A (50)		70	250	49	INCL	GA8032 CLUTCH SHIFT	81655	OPP	1	
		B (55)		77	250	49	INCL	GA8032 CLUTCH SHIFT	81655	OPP	1	
		C (73)		102	250	49	INCL	GA8032 CLUTCH SHIFT	81655	OPP	1	
		E (86)		123	225	44	INCL	GA8032 CLUTCH SHIFT	81655	OPP	1	
		J (95)		134	225	44	INCL	GA8032 CLUTCH SHIFT	81655	OPP	1	
		O (125)		175	200	39	INCL	GA8032 CLUTCH SHIFT	81655	OPP	1	
		R (137)		192	200	39	INCL	GA8032 CLUTCH SHIFT	81655	OPP	1	
		S (150)		210	190	37	INCL	GA8032 CLUTCH SHIFT	81655	OPP	1	
		T (165)		231	175	34	INCL	GA8032 CLUTCH SHIFT	81655	OPP	1	
4100		B (57)		80	450	87	INCL	(SP2) GA8032	81655	OPP	1	 ↑ 1B
		C (70)		98	470	90	INCL	(SP2) GA8032	81655	OPP	1	
		E (86)		121	470	90	INCL	(SP2) GA8032	81655	OPP	1	
		J (105)		147	400	77	INCL	(SP2) GA8032	81655	OPP	1	
4250		Output 1 C (96)		135	420	80	INCL	(SP2) GA8032		OPP	1	 ↑ 1B
		Output 2 B (89)		125	420	80	INCL	(SP2) GA8032		OPP	1	
		Output 1 E (112)		158	400	76.5	INCL	(SP2) GA8032		OPP	1	
		Output 2 C (104)		146	420	80	INCL	(SP2) GA8032		OPP	1	
		Output 1 J (132)		185	380	73	INCL	(SP2) GA8032		OPP	1	
		Output 2 E (121)		169	400	76.5	INCL	(SP2) GA8032		OPP	1	
		Output 1 O (168)		236	350	67	INCL	(SP2) GA8032		OPP	1	
		Output 2 J (152)		214	380	73	INCL	(SP2) GA8032		OPP	1	
6800		Forward (55)		102	150	30	INCL	GA8032	81655	BOTH	1	 ↑ 1B
		Reverse (52)		116	150	30	INCL	GA8032	81655	BOTH	1	
8000		Forward (40)		58	500	95	INCL	GA8032	81655	BOTH	1	 ↑ 1B
		Reverse (50)		69	500	95	INCL	GA8032	81655	BOTH	1	
8500		B (57)		53	500	95	INCL	GA8032	81655	OPP	1	 ↑ 1B
		C (70)		70	500	95	INCL	GA8032	81655	OPP	1	
		E (86)		84	480	90	INCL	GA8032	81655	OPP	1	
		J (105)		104	450	86	INCL	GA8032	81655	OPP	1	
		O (127)		120	400	76	INCL	GA8032	81655	OPP	1	
		R (137)		132	360	68	INCL	GA8032	81655	OPP	1	
		S (150)		145	320	62	INCL	GA8032	81655	OPP	1	
		T (165)		159	280	54	INCL	GA8032	81655	OPP	1	

For complete part numbers, consult the PTO Series section (page 25)

1211-3A

1211-5A

SPIC.42

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		73	250	49	S9	61500S, 6300S	AD530-1X	ENG	01	
		C (73)		97	250	49	S9	61500S, 6300S	AD530-1X	ENG	01	
		E (86)		115	225	44	S9	61500S, 6300S	AD530-1X	ENG	01	
		J (95)		126	225	44	S9	61500S, 6300S	AD530-1X	ENG	01	
		O (125)		165	200	39	S9	61500S, 6300S	AD530-1X	ENG	01	
		R (137)		181	200	39	S9	61500S, 6300S	AD530-1X	ENG	01	
		S (150)		199	190	37	S9	61500S, 6300S	AD530-1X	ENG	01	
		T (165)		218	175	34	S9	61500S, 6300S	AD530-1X	ENG	01	
3200		Z (40)		53	250	49	S9	61500S, 6300S CLUTCH SHIFT	AD530-1X	ENG	01	
		A (50)		66	250	49	S9	61500S, 6300S CLUTCH SHIFT	AD530-1X	ENG	01	
		B (55)		73	250	49	S9	61500S, 6300S CLUTCH SHIFT	AD530-1X	ENG	01	
		C (73)		97	250	49	S9	61500S, 6300S CLUTCH SHIFT	AD530-1X	ENG	01	
		E (86)		116	225	44	S9	61500S, 6300S CLUTCH SHIFT	AD530-1X	ENG	01	
		J (95)		127	225	44	S9	61500S, 6300S CLUTCH SHIFT	AD530-1X	ENG	01	
		O (125)		165	200	39	S9	61500S, 6300S CLUTCH SHIFT	AD530-1X	ENG	01	
		R (137)		181	200	39	S9	61500S, 6300S CLUTCH SHIFT	AD530-1X	ENG	01	
		S (150)		199	190	37	S9	61500S, 6300S CLUTCH SHIFT	AD530-1X	ENG	01	
		T (165)		218	175	34	S9	61500S, 6300S CLUTCH SHIFT	AD530-1X	ENG	01	
6000		Forward (73)		97	150	30	S9	61500S, 6300S	AD530-1X	BOTH	01	
		Reverse (83)		110	150	30	S9	61500S, 6300S	AD530-1X	BOTH	01	

For complete part numbers, consult the PTO Series section (page 25)

1211-3A

1211-5A

SPIC.42

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		66	250		INCL			OPP	01	 ↑ 1B
		B (55)		73	250	49	INCL			OPP	01	
		C (73)		97	250	49	INCL			OPP	01	
		E (86)		115	225	44	INCL			OPP	01	
		J (95)		126	225	44	INCL			OPP	01	
		O (125)		165	200	39	INCL			OPP	01	
		R (137)		181	200	39	INCL			OPP	01	
		S (150)		199	190	37	INCL			OPP	01	
		T (165)		218	175	34	INCL			OPP	01	
3800		Z (40)		53	250	49	INCL	CLUTCH SHIFT		OPP	01	 ↑ 1B
		A (50)		66	250	49	INCL	CLUTCH SHIFT		OPP	01	
		B (55)		73	250	49	INCL	CLUTCH SHIFT		OPP	01	
		C (73)		97	250	49	INCL	CLUTCH SHIFT		OPP	01	
		E (86)		116	225	44	INCL	CLUTCH SHIFT		OPP	01	
		J (95)		127	225	44	INCL	CLUTCH SHIFT		OPP	01	
		O (125)		165	200	39	INCL	CLUTCH SHIFT		OPP	01	
		R (137)		181	200	39	INCL	CLUTCH SHIFT		OPP	01	
		S (150)		199	190	37	INCL	CLUTCH SHIFT		OPP	01	
		T (165)		218	175	34	INCL	CLUTCH SHIFT		OPP	01	
6800		Forward (55)		97	150	30	INCL			BOTH	01	 ↑ 1B
		Reverse (52)		110	150	30	INCL			BOTH	01	
8000		Forward (40)		55	500	95	INCL			BOTH	01	 ↑ 1B
		Reverse (50)		65	500	95	INCL			BOTH	01	
8500		B (57)		50	500	95	INCL			OPP	01	 ↑ 1B
		C (70)		66	500	95	INCL			OPP	01	
		E (86)		79	480	90	INCL			OPP	01	
		J (105)		98	450	86	INCL			OPP	01	
		O (127)		114	400	76	INCL			OPP	01	
		R (137)		125	360	68	INCL			OPP	01	
		S (150)		137	320	62	INCL			OPP	01	
		T (165)		150	280	54	INCL			OPP	01	

For complete part numbers, consult the PTO Series section (page 25)

1214-3A(301130)(301212)

1214-5A(301131)(301213)

SPIC.43

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		77	250	49	S5	(SP16)	6300S	OPP	01	
		C (73)		102	250	49	S5	(SP16)	6300S	OPP	01	
		E (86)		122	225	44	S5	(SP16)	6300S	OPP	01	
		J (95)		133	225	44	S5	(SP16)	6300S	OPP	01	
		O (125)		175	200	39	S5	(SP16)	6300S	OPP	01	
		R (137)		192	200	39	S5	(SP16)	6300S	OPP	01	
		S (150)		210	190	37	S5	(SP16)	6300S	OPP	01	
		T (165)		231	175	34	S5	(SP16)	6300S	OPP	01	
3200		Z (40)		56	250	49	S5	(SP16) CLUTCH SHIFT	6300S	OPP	01	
		A (50)		70	250	49	S5	(SP16) CLUTCH SHIFT	6300S	OPP	01	
		B (55)		77	250	49	S5	(SP16) CLUTCH SHIFT	6300S	OPP	01	
		C (73)		102	250	49	S5	(SP16) CLUTCH SHIFT	6300S	OPP	01	
		E (86)		123	225	44	S5	(SP16) CLUTCH SHIFT	6300S	OPP	01	
		J (95)		134	225	44	S5	(SP16) CLUTCH SHIFT	6300S	OPP	01	
		O (125)		175	200	39	S5	(SP16) CLUTCH SHIFT	6300S	OPP	01	
		R (137)		192	200	39	S5	(SP16) CLUTCH SHIFT	6300S	OPP	01	
		S (150)		210	190	37	S5	(SP16) CLUTCH SHIFT	6300S	OPP	01	
		T (165)		231	175	34	S5	(SP16) CLUTCH SHIFT	6300S	OPP	01	
6000		Forward (73)		102	150	30	S5	(SP16)	6300S	BOTH	01	
		Reverse (83)		116	150	30	S5	(SP16)	6300S	BOTH	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		70	250		INCL	(SP16) GA8093	GA8062	OPP	01	
		B (55)		77	250	49	INCL	(SP16) GA8093	GA8062	OPP	01	
		C (73)		102	250	49	INCL	(SP16) GA8093	GA8062	OPP	01	
		E (86)		122	225	44	INCL	(SP16) GA8093	GA8062	OPP	01	
		J (95)		133	225	44	INCL	(SP16) GA8093	GA8062	OPP	01	
		O (125)		175	200	39	INCL	(SP16) GA8093	GA8062	OPP	01	
		R (137)		192	200	39	INCL	(SP16) GA8093	GA8062	OPP	01	
		S (150)		210	190	37	INCL	(SP16) GA8093	GA8062	OPP	01	
		T (165)		231	175	34	INCL	(SP16) GA8093	GA8062	OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

1214-3A(301130)(301212)

1214-5A(301131)(301213)

SPIC.43

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
3800		Z (40)		56	250	49	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	 ↑ 1B
		A (50)		70	250	49	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		B (55)		77	250	49	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		C (73)		102	250	49	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		E (86)		123	225	44	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		J (95)		134	225	44	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		O (125)		175	200	39	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		R (137)		192	200	39	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		S (150)		210	190	37	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		T (165)		231	175	34	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
4100		B (57)		80	450	87	INCL	(SP2,16) GA8093	GA8062	OPP	01	 ↑ 1B
		C (70)		98	470	90	INCL	(SP2,16) GA8093	GA8062	OPP	01	
		E (86)		121	470	90	INCL	(SP2,16) GA8093	GA8062	OPP	01	
		J (105)		147	400	77	INCL	(SP2,16) GA8093	GA8062	OPP	01	
4250		Output 1 C (96)		135	420	80	INCL	(SP2,16) GA8093		OPP	01	 ↑ 1B
		Output 2 B (89)		125	420	80	INCL	(SP2,16) GA8093		OPP	01	
		Output 1 E (112)		158	400	76.5	INCL	(SP2,16) GA8093		OPP	01	
		Output 2 C (104)		146	420	80	INCL	(SP2,16) GA8093		OPP	01	
		Output 1 J (132)		185	380	73	INCL	(SP2,16) GA8093		OPP	01	
		Output 2 E (121)		169	400	76.5	INCL	(SP2,16) GA8093		OPP	01	
		Output 1 O (168)		236	350	67	INCL	(SP2,16) GA8093		OPP	01	
		Output 2 J (152)		214	380	73	INCL	(SP2,16) GA8093		OPP	01	
6800		Forward (55)		102	150	30	INCL	(SP16) GA8093	GA8062	BOTH	01	 ↑ 1B
		Reverse (52)		116	150	30	INCL	(SP16) GA8093	GA8062	BOTH	01	
8000		Forward (40)		58	500	95	INCL	(SP16) GA8093	GA8062	BOTH	01	 ↑ 1B
		Reverse (50)		69	500	95	INCL	(SP16) GA8093	GA8062	BOTH	01	
8500		B (57)		53	500	95	INCL	(SP16) GA8093	GA8062	OPP	01	 ↑ 1B
		C (70)		70	500	95	INCL	(SP16) GA8093	GA8062	OPP	01	
		E (86)		84	480	90	INCL	(SP16) GA8093	GA8062	OPP	01	
		J (105)		104	450	86	INCL	(SP16) GA8093	GA8062	OPP	01	
		O (127)		120	400	76	INCL	(SP16) GA8093	GA8062	OPP	01	
		R (137)		132	360	68	INCL	(SP16) GA8093	GA8062	OPP	01	
		S (150)		145	320	62	INCL	(SP16) GA8093	GA8062	OPP	01	
		T (165)		159	280	54	INCL	(SP16) GA8093	GA8062	OPP	01	

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO. **SP16:** Speeds shown with transmission in high range. Multiply speeds by .84 for low range.

For complete part numbers, consult the PTO Series section (page 25)

Spicer

1263A(301107)
1265A(301108)

1463A(301175)
1463C(301357)

PSO140-6A(301472)
PSO140-6C(301486)

PSO150-16A(301641)
TSPO155-16A

SPIC.44

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		77	250	49	S3	(SP16)	6270S	OPP	01	
		C (73)		102	250	49	S3	(SP16)	6270S	OPP	01	
		E (86)		122	225	44	S3	(SP16)	6270S	OPP	01	
		J (95)		133	225	44	S3	(SP16)	6270S	OPP	01	
		O (125)		175	200	39	S3	(SP16)	6270S	OPP	01	
		R (137)		192	200	39	S3	(SP16)	6270S	OPP	01	
		S (150)		210	190	37	S3	(SP16)	6270S	OPP	01	
		T (165)		231	175	34	S3	(SP16)	6270S	OPP	01	
3200		Z (40)		56	250	49	S3	(SP16) CLUTCH SHIFT	6270S	OPP	01	
		A (50)		70	250	49	S3	(SP16) CLUTCH SHIFT	6270S	OPP	01	
		B (55)		77	250	49	S3	(SP16) CLUTCH SHIFT	6270S	OPP	01	
		C (73)		102	250	49	S3	(SP16) CLUTCH SHIFT	6270S	OPP	01	
		E (86)		123	225	44	S3	(SP16) CLUTCH SHIFT	6270S	OPP	01	
		J (95)		134	225	44	S3	(SP16) CLUTCH SHIFT	6270S	OPP	01	
		O (125)		175	200	39	S3	(SP16) CLUTCH SHIFT	6270S	OPP	01	
		R (137)		192	200	39	S3	(SP16) CLUTCH SHIFT	6270S	OPP	01	
		S (150)		210	190	37	S3	(SP16) CLUTCH SHIFT	6270S	OPP	01	
		T (165)		231	175	34	S3	(SP16) CLUTCH SHIFT	6270S	OPP	01	
6000		Forward (73)		102	150	30	S3	(SP16)	6270S	BOTH	01	
		Reverse (83)		116	150	30	S3	(SP16)	6270S	BOTH	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		70	250		INCL	(SP16) GA8093	GA8062	OPP	01	
		B (55)		77	250	49	INCL	(SP16) GA8093	GA8062	OPP	01	
		C (73)		102	250	49	INCL	(SP16) GA8093	GA8062	OPP	01	
		E (86)		122	225	44	INCL	(SP16) GA8093	GA8062	OPP	01	
		J (95)		133	225	44	INCL	(SP16) GA8093	GA8062	OPP	01	
		O (125)		175	200	39	INCL	(SP16) GA8093	GA8062	OPP	01	
		R (137)		192	200	39	INCL	(SP16) GA8093	GA8062	OPP	01	
		S (150)		210	190	37	INCL	(SP16) GA8093	GA8062	OPP	01	
		T (165)		231	175	34	INCL	(SP16) GA8093	GA8062	OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

1263A(301107)
1265A(301108)

1463A(301175)
1463C(301357)

PSO140-6A(301472)
PSO140-6C(301486)

PSO150-16A(301641)
TSPO155-16A

SPIC.44

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
3800		Z (40)		56	250	49	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	 ↑ 1B
		A (50)		70	250	49	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		B (55)		77	250	49	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		C (73)		102	250	49	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		E (86)		123	225	44	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		J (95)		134	225	44	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		O (125)		175	200	39	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		R (137)		192	200	39	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		S (150)		210	190	37	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		T (165)		231	175	34	INCL	(SP16) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
4100		B (57)		80	450	87	INCL	(SP2,16) GA8093	GA8062	OPP	01	 ↑ 1B
		C (70)		98	470	90	INCL	(SP2,16) GA8093	GA8062	OPP	01	
		E (86)		121	470	90	INCL	(SP2,16) GA8093	GA8062	OPP	01	
		J (105)		147	400	77	INCL	(SP2,16) GA8093	GA8062	OPP	01	
4250		Output 1 C (96)		135	420	80	INCL	(SP2,16) GA8093		OPP	01	 ↑ 1B
		Output 2 B (89)		125	420	80	INCL	(SP2,16) GA8093		OPP	01	
		Output 1 E (112)		158	400	76.5	INCL	(SP2,16) GA8093		OPP	01	
		Output 2 C (104)		146	420	80	INCL	(SP2,16) GA8093		OPP	01	
		Output 1 J (132)		185	380	73	INCL	(SP2,16) GA8093		OPP	01	
		Output 2 E (121)		169	400	76.5	INCL	(SP2,16) GA8093		OPP	01	
		Output 1 O (168)		236	350	67	INCL	(SP2,16) GA8093		OPP	01	
		Output 2 J (152)		214	380	73	INCL	(SP2,16) GA8093		OPP	01	
6800		Forward (55)		102	150	30	INCL	(SP16) GA8093	GA8062	BOTH	01	 ↑ 1B
		Reverse (52)		116	150	30	INCL	(SP16) GA8093	GA8062	BOTH	01	
8000		Forward (40)		58	500	95	INCL	(SP16) GA8093	GA8062	BOTH	01	 ↑ 1B
		Reverse (50)		69	500	95	INCL	(SP16) GA8093	GA8062	BOTH	01	
8500		B (57)		53	500	95	INCL	(SP16) GA8093	GA8062	OPP	01	 ↑ 1B
		C (70)		70	500	95	INCL	(SP16) GA8093	GA8062	OPP	01	
		E (86)		84	480	90	INCL	(SP16) GA8093	GA8062	OPP	01	
		J (105)		104	450	86	INCL	(SP16) GA8093	GA8062	OPP	01	
		O (127)		120	400	76	INCL	(SP16) GA8093	GA8062	OPP	01	
		R (137)		132	360	68	INCL	(SP16) GA8093	GA8062	OPP	01	
		S (150)		145	320	62	INCL	(SP16) GA8093	GA8062	OPP	01	
		T (165)		159	280	54	INCL	(SP16) GA8093	GA8062	OPP	01	

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO. **SP16:** Speeds shown with transmission in high range. Multiply speeds by .84 for low range.

For complete part numbers, consult the PTO Series section (page 25)

TSP0145-14A

TSP0155-14HP

SPIC.45

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		80	250	49	S5		6450S	OPP	01	
		C (73)		106	250	49	S5		6450S	OPP	01	
		E (86)		126	225	44	S5		6450S	OPP	01	
		J (95)		138	225	44	S5		6450S	OPP	01	
		O (125)		182	200	39	S5		6450S	OPP	01	
		R (137)		199	200	39	S5		6450S	OPP	01	
		S (150)		218	190	37	S5		6450S	OPP	01	
		T (165)		240	175	34	S5		6450S	OPP	01	
3200		Z (40)		58	250	49	S5	CLUTCH SHIFT	6450S	OPP	01	
		A (50)		73	250	49	S5	CLUTCH SHIFT	6450S	OPP	01	
		B (55)		80	250	49	S5	CLUTCH SHIFT	6450S	OPP	01	
		C (73)		106	250	49	S5	CLUTCH SHIFT	6450S	OPP	01	
		E (86)		127	225	44	S5	CLUTCH SHIFT	6450S	OPP	01	
		J (95)		139	225	44	S5	CLUTCH SHIFT	6450S	OPP	01	
		O (125)		182	200	39	S5	CLUTCH SHIFT	6450S	OPP	01	
		R (137)		199	200	39	S5	CLUTCH SHIFT	6450S	OPP	01	
		S (150)		218	190	37	S5	CLUTCH SHIFT	6450S	OPP	01	
		T (165)		239	175	34	S5	CLUTCH SHIFT	6450S	OPP	01	
6000		Forward (73)		106	150	30	S5		6450S	BOTH	01	
		Reverse (83)		121	150	30	S5		6450S	BOTH	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		74	250		S4	GA8062	8248S	OPP	01	
		B (55)		80	250	49	S4	GA8062	8248S	OPP	01	
		C (73)		106	250	49	S4	GA8062	8248S	OPP	01	
		E (86)		126	225	44	S4	GA8062	8248S	OPP	01	
		J (95)		138	225	44	S4	GA8062	8248S	OPP	01	
		O (125)		182	200	39	S4	GA8062	8248S	OPP	01	
		R (137)		199	200	39	S4	GA8062	8248S	OPP	01	
		S (150)		218	190	37	S4	GA8062	8248S	OPP	01	
		T (165)		240	175	34	S4	GA8062	8248S	OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

TSP0145-14A

TSP0155-14HP

SPIC.45

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
3800	Z (40)		58		250	49	S4	GA8062 CLUTCH SHIFT	8248S	OPP	01	 ↑ 1B
	A (50)		73		250	49	S4	GA8062 CLUTCH SHIFT	8248S	OPP	01	
	B (55)		80		250	49	S4	GA8062 CLUTCH SHIFT	8248S	OPP	01	
	C (73)		106		250	49	S4	GA8062 CLUTCH SHIFT	8248S	OPP	01	
	E (86)		127		225	44	S4	GA8062 CLUTCH SHIFT	8248S	OPP	01	
	J (95)		139		225	44	S4	GA8062 CLUTCH SHIFT	8248S	OPP	01	
	O (125)		182		200	39	S4	GA8062 CLUTCH SHIFT	8248S	OPP	01	
	R (137)		199		200	39	S4	GA8062 CLUTCH SHIFT	8248S	OPP	01	
	S (150)		218		190	37	S4	GA8062 CLUTCH SHIFT	8248S	OPP	01	
	T (165)		239		175	34	S4	GA8062 CLUTCH SHIFT	8248S	OPP	01	
4100	B (57)		83		450	87	S4	(SP2) GA8062	8248S	OPP	01	 ↑ 1B
	C (70)		102		470	90	S4	(SP2) GA8062	8248S	OPP	01	
	E (86)		125		470	90	S4	(SP2) GA8062	8248S	OPP	01	
	J (105)		153		400	77	S4	(SP2) GA8062	8248S	OPP	01	
4250	Output 1 C (96)		140		420	80	INCL	(SP2) GA8062		OPP	01	 ↑ 1B
	Output 2 B (89)		130		420	80	INCL	(SP2) GA8062		OPP	01	
	Output 1 E (112)		164		400	76.5	INCL	(SP2) GA8062		OPP	01	
	Output 2 C (104)		151		420	80	INCL	(SP2) GA8062		OPP	01	
	Output 1 J (132)		192		380	73	INCL	(SP2) GA8062		OPP	01	
	Output 2 E (121)		176		400	76.5	INCL	(SP2) GA8062		OPP	01	
	Output 1 O (168)		245		350	67	INCL	(SP2) GA8062		OPP	01	
	Output 2 J (152)		221		380	73	INCL	(SP2) GA8062		OPP	01	
6800	Forward (55)		106		150	30	S4	GA8062	8248S	BOTH	01	 ↑ 1B
	Reverse (52)		121		150	30	S4	GA8062	8248S	BOTH	01	
8000	Forward (40)		60		500	95	S4	GA8062	8248S	BOTH	01	 ↑ 1B
	Reverse (50)		71		500	95	S4	GA8062	8248S	BOTH	01	
8500	B (57)		55		500	95	S4	GA8062	8248S	OPP	01	 ↑ 1B
	C (70)		73		500	95	S4	GA8062	8248S	OPP	01	
	E (86)		87		480	90	S4	GA8062	8248S	OPP	01	
	J (105)		108		450	86	S4	GA8062	8248S	OPP	01	
	O (127)		125		400	76	S4	GA8062	8248S	OPP	01	
	R (137)		137		360	68	S4	GA8062	8248S	OPP	01	
	S (150)		150		320	62	S4	GA8062	8248S	OPP	01	
	T (165)		165		280	54	S4	GA8062	8248S	OPP	01	

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO.

//////////////////////////////////// For complete part numbers, consult the PTO Series section (page 25) //////////////////////////////////////



	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		68	250	49	INCL			OPP	01	
		C (73)		90	250	49	INCL			OPP	01	
		E (86)		108	225	44	INCL			OPP	01	
		J (95)		118	225	44	INCL			OPP	01	
		O (125)		155	200	39	INCL			OPP	01	
		R (137)		170	200	39	INCL			OPP	01	
		S (150)		186	190	37	INCL			OPP	01	
		T (165)		204	175	34	INCL			OPP	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		62	250		INCL			OPP	01	
		B (55)		68	250	49	INCL			OPP	01	
		C (73)		90	250	49	INCL			OPP	01	
		E (86)		108	225	44	INCL			OPP	01	
		J (95)		118	225	44	INCL			OPP	01	
		O (125)		155	200	39	INCL			OPP	01	
		R (137)		170	200	39	INCL			OPP	01	
		S (150)		186	190	37	INCL			OPP	01	
		T (165)		204	175	34	INCL			OPP	01	
3800		Z (40)		50	250	49	INCL	CLUTCH SHIFT		OPP	01	
		A (50)		62	250	49	INCL	CLUTCH SHIFT		OPP	01	
		B (55)		68	250	49	INCL	CLUTCH SHIFT		OPP	01	
		C (73)		90	250	49	INCL	CLUTCH SHIFT		OPP	01	
		E (86)		108	225	44	INCL	CLUTCH SHIFT		OPP	01	
		J (95)		118	225	44	INCL	CLUTCH SHIFT		OPP	01	
		O (125)		155	200	39	INCL	CLUTCH SHIFT		OPP	01	
		R (137)		169	200	39	INCL	CLUTCH SHIFT		OPP	01	
		S (150)		186	190	37	INCL	CLUTCH SHIFT		OPP	01	
		T (165)		204	175	34	INCL	CLUTCH SHIFT		OPP	01	

CONTINUES →

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO.

For complete part numbers, consult the PTO Series section (page 25)

PS86-10V(301587)

SPIC.46

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
4100		B (57)		71	450	87	INCL	(SP2)		OPP	01	 ↑ 1B
		C (70)		87	470	90	INCL	(SP2)		OPP	01	
		E (86)		106	470	90	INCL	(SP2)		OPP	01	
		J (105)		130	400	77	INCL	(SP2)		OPP	01	
4250		Output 1 C (96)		119	420	80	INCL	(SP2)		OPP	01	 ↑ 1B
		Output 2 B (89)		110	420	80	INCL	(SP2)		OPP	01	
		Output 1 E (112)		139	400	76.5	INCL	(SP2)		OPP	01	
		Output 2 C (104)		129	420	80	INCL	(SP2)		OPP	01	
		Output 1 J (132)		163	380	73	INCL	(SP2)		OPP	01	
		Output 2 E (121)		150	400	76.5	INCL	(SP2)		OPP	01	
		Output 1 O (168)		208	350	67	INCL	(SP2)		OPP	01	
		Output 2 J (152)		189	380	73	INCL	(SP2)		OPP	01	
6800		Forward (55)		90	150	30	INCL			BOTH	01	 ↑ 1B
		Reverse (52)		103	150	30	INCL			BOTH	01	
8000		Forward (40)		51	500	95	INCL			BOTH	01	 ↑ 1B
		Reverse (50)		61	500	95	INCL			BOTH	01	
8500		B (57)		47	500	95	INCL			OPP	01	 ↑ 1B
		C (70)		62	500	95	INCL			OPP	01	
		E (86)		74	480	90	INCL			OPP	01	
		J (105)		92	450	86	INCL			OPP	01	
		O (127)		106	400	76	INCL			OPP	01	
		R (137)		117	360	68	INCL			OPP	01	
		S (150)		128	320	62	INCL			OPP	01	
		T (165)		140	280	54	INCL			OPP	01	

For complete part numbers, consult the PTO Series section (page 25)

Spicer

1010-2A(301111)
1010-4A(301112)

1020-2A(301123)
1020-4A(301124)

1410-2A(301288)(301161)

SPIC.47

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)	59	75	250	49	INCL		6140S	OPP	01	
		C (73)	78	99	250	49	INCL		6140S	OPP	01	
		E (86)	93	118	225	44	INCL		6140S	OPP	01	
		J (95)	102	129	225	44	INCL		6140S	OPP	01	
		O (125)	134	170	200	39	INCL		6140S	OPP	01	
		R (137)	147	186	200	39	INCL		6140S	OPP	01	
		S (150)	161	204	190	37	INCL		6140S	OPP	01	
		T (165)	177	224	175	34	INCL		6140S	OPP	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2010		A (50)	43	54			INCL		GA8032	OPP	01	
		B (55)	59	75	250	49	INCL		GA8032	OPP	01	
		C (73)	78	99	250	49	INCL		GA8032	OPP	01	
		E (86)	93	118	225	44	INCL		GA8032	OPP	01	
		J (95)	102	129	225	44	INCL		GA8032	OPP	01	
		O (125)	134	170	200	39	INCL		GA8032	OPP	01	
		R (137)	147	186	200	39	INCL		GA8032	OPP	01	
		S (150)	161	204	190	37	INCL		GA8032	OPP	01	
		T (165)	177	224	175	34	INCL		GA8032	OPP	01	
4110		B (57)	61	77	450	87	INCL	(SP2)	GA8032	OPP	01	
		C (70)	75	95	470	90	INCL	(SP2)	GA8032	OPP	01	
		E (86)	92	117	470	90	INCL	(SP2)	GA8032	OPP	01	
		J (105)	113	143	400	77	INCL	(SP2)	GA8032	OPP	01	

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO.

For complete part numbers, consult the PTO Series section (page 25)

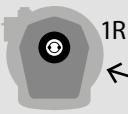
AS125-9A
AS135-9A
AS140-9A
LAS115-9A(301590)

LAS125-9A(301591)
LAS135-9A(301592)
LAS140-9A
LAS145-9A(301593)

LPS125-9A(301547)
(301567)
LPS140-9A(301549)
(301569)

PS125-9A(301431)(301554)
PS140-9A(301495)(301555)
PS95-9A(301500)(301553)

SPIC.48

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		69	250	49	INCL			OPP	01	
		C (73)		92	250	49	INCL			OPP	01	
		E (86)		109	225	44	INCL			OPP	01	
		J (95)		120	225	44	INCL			OPP	01	
		O (125)		157	200	39	INCL			OPP	01	
		R (137)		172	200	39	INCL			OPP	01	
		S (150)		189	190	37	INCL			OPP	01	
		T (165)		208	175	34	INCL			OPP	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		63	250		INCL			OPP	01	
		B (55)		69	250	49	INCL			OPP	01	
		C (73)		92	250	49	INCL			OPP	01	
		E (86)		109	225	44	INCL			OPP	01	
		J (95)		120	225	44	INCL			OPP	01	
		O (125)		157	200	39	INCL			OPP	01	
		R (137)		172	200	39	INCL			OPP	01	
		S (150)		189	190	37	INCL			OPP	01	
		T (165)		208	175	34	INCL			OPP	01	
3800		Z (40)		50	250	49	INCL	CLUTCH SHIFT		OPP	01	
		A (50)		63	250	49	INCL	CLUTCH SHIFT		OPP	01	
		B (55)		69	250	49	INCL	CLUTCH SHIFT		OPP	01	
		C (73)		92	250	49	INCL	CLUTCH SHIFT		OPP	01	
		E (86)		110	225	44	INCL	CLUTCH SHIFT		OPP	01	
		J (95)		120	225	44	INCL	CLUTCH SHIFT		OPP	01	
		O (125)		157	200	39	INCL	CLUTCH SHIFT		OPP	01	
		R (137)		172	200	39	INCL	CLUTCH SHIFT		OPP	01	
		S (150)		189	190	37	INCL	CLUTCH SHIFT		OPP	01	
		T (165)		207	175	34	INCL	CLUTCH SHIFT		OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

Spicer

AS125-9A
AS135-9A
AS140-9A
LAS115-9A(301590)

LAS125-9A(301591)
LAS135-9A(301592)
LAS140-9A
LAS145-9A(301593)

LPS125-9A(301547)
(301567)
LPS140-9A(301549)
(301569)

PS125-9A(301431)(301554)
PS140-9A(301495)(301555)
PS95-9A(301500)(301553)

SPIC.48

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
4100		B (57)		72	450	87	INCL	(SP2)		OPP	01	 ↑ 1B
		C (70)		88	470	90	INCL	(SP2)		OPP	01	
		E (86)		108	470	90	INCL	(SP2)		OPP	01	
		J (105)		132	400	77	INCL	(SP2)		OPP	01	
4250		Output 1 C (96)		121	420	80	INCL	(SP2)		OPP	01	 ↑ 1B
		Output 2 B (89)		112	420	80	INCL	(SP2)		OPP	01	
		Output 1 E (112)		142	400	76.5	INCL	(SP2)		OPP	01	
		Output 2 C (104)		131	420	80	INCL	(SP2)		OPP	01	
		Output 1 J (132)		166	380	73	INCL	(SP2)		OPP	01	
		Output 2 E (121)		152	400	76.5	INCL	(SP2)		OPP	01	
		Output 1 O (168)		212	350	67	INCL	(SP2)		OPP	01	
		Output 2 J (152)		192	380	73	INCL	(SP2)		OPP	01	
6800		Forward (55)		92	150	30	INCL			BOTH	01	 ↑ 1B
		Reverse (52)		104	150	30	INCL			BOTH	01	
8000		Forward (40)		52	500	95	INCL			BOTH	01	 ↑ 1B
		Reverse (50)		62	500	95	INCL			BOTH	01	
8500		B (57)		48	500	95	INCL			OPP	01	 ↑ 1B
		C (70)		63	500	95	INCL			OPP	01	
		E (86)		75	480	90	INCL			OPP	01	
		J (105)		93	450	86	INCL			OPP	01	
		O (127)		108	400	76	INCL			OPP	01	
		R (137)		118	360	68	INCL			OPP	01	
		S (150)		130	320	62	INCL			OPP	01	
		T (165)		143	280	54	INCL			OPP	01	

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO.

For complete part numbers, consult the PTO Series section (page 25)

1010-3A(301113)
1010-5A(301114)
1410-3A(301163)

1412-3A(301227)
1414-3A(301243)(301290)
1420-3A(301232)(301239)

1420-3B(301332)
PSO140-12B(301473)
PSO140-14A(301483)

PSO165-12B
PSO85-10LL
PSO85-14-4L

SPIC.49

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)	65	84	250	49	S3	(SP15)	6300S	OPP	01	
		C (73)	86	112	250	49	S3	(SP15)	6300S	OPP	01	
		E (86)	102	133	225	44	S3	(SP15)	6300S	OPP	01	
		J (95)	112	146	225	44	S3	(SP15)	6300S	OPP	01	
		O (125)	148	192	200	39	S3	(SP15)	6300S	OPP	01	
		R (137)	162	210	200	39	S3	(SP15)	6300S	OPP	01	
		S (150)	177	230	190	37	S3	(SP15)	6300S	OPP	01	
		T (165)	195	253	175	34	S3	(SP15)	6300S	OPP	01	
3200		Z (40)	47	61	250	49	S3	(SP15) CLUTCH SHIFT	6300S	OPP	01	
		A (50)	59	77	250	49	S3	(SP15) CLUTCH SHIFT	6300S	OPP	01	
		B (55)	65	84	250	49	S3	(SP15) CLUTCH SHIFT	6300S	OPP	01	
		C (73)	86	112	250	49	S3	(SP15) CLUTCH SHIFT	6300S	OPP	01	
		E (86)	103	134	225	44	S3	(SP15) CLUTCH SHIFT	6300S	OPP	01	
		J (95)	113	147	225	44	S3	(SP15) CLUTCH SHIFT	6300S	OPP	01	
		O (125)	148	192	200	39	S3	(SP15) CLUTCH SHIFT	6300S	OPP	01	
		R (137)	162	210	200	39	S3	(SP15) CLUTCH SHIFT	6300S	OPP	01	
		S (150)	177	230	190	37	S3	(SP15) CLUTCH SHIFT	6300S	OPP	01	
		T (165)	195	253	175	34	S3	(SP15) CLUTCH SHIFT	6300S	OPP	01	
6000		Forward (73)	86	112	150	30	S3	(SP15)	6300S	BOTH	01	
		Reverse (83)	98	127	150	30	S3	(SP15)	6300S	BOTH	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)	59	77	250		INCL	(SP15) GA8093	GA8062	OPP	01	
		B (55)	65	84	250	49	INCL	(SP15) GA8093	GA8062	OPP	01	
		C (73)	86	112	250	49	INCL	(SP15) GA8093	GA8062	OPP	01	
		E (86)	102	133	225	44	INCL	(SP15) GA8093	GA8062	OPP	01	
		J (95)	112	146	225	44	INCL	(SP15) GA8093	GA8062	OPP	01	
		O (125)	148	192	200	39	INCL	(SP15) GA8093	GA8062	OPP	01	
		R (137)	162	210	200	39	INCL	(SP15) GA8093	GA8062	OPP	01	
		S (150)	177	230	190	37	INCL	(SP15) GA8093	GA8062	OPP	01	
		T (165)	195	253	175	34	INCL	(SP15) GA8093	GA8062	OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

1010-3A(301113)
1010-5A(301114)
1410-3A(301163)

1412-3A(301227)
1414-3A(301243)(301290)
1420-3A(301232)(301239)

1420-3B(301332)
PSO140-12B(301473)
PSO140-14A(301483)

PSO165-12B
PSO85-10LL
PSO85-14-4L

SPIC.49

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
3800		Z (40)	47	61	250	49	INCL	(SP15) GA8093 CLUTCH SHIFT	GA8062	OPP	01	 ↑ 1B
		A (50)	59	77	250	49	INCL	(SP15) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		B (55)	65	84	250	49	INCL	(SP15) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		C (73)	86	112	250	49	INCL	(SP15) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		E (86)	103	134	225	44	INCL	(SP15) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		J (95)	113	147	225	44	INCL	(SP15) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		O (125)	148	192	200	39	INCL	(SP15) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		R (137)	162	210	200	39	INCL	(SP15) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		S (150)	177	230	190	37	INCL	(SP15) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
		T (165)	195	253	175	34	INCL	(SP15) GA8093 CLUTCH SHIFT	GA8062	OPP	01	
4100		B (57)	67	87	450	87	INCL	(SP2,15) GA8093	GA8062	OPP	01	 ↑ 1B
		C (70)	82	107	470	90	INCL	(SP2,15) GA8093	GA8062	OPP	01	
		E (86)	102	132	470	90	INCL	(SP2,15) GA8093	GA8062	OPP	01	
		J (105)	124	161	400	77	INCL	(SP2,15) GA8093	GA8062	OPP	01	
4250		Output 1 C (96)	114	148	420	80	INCL	(SP2,15) GA8093		OPP	01	 ↑ 1B
		Output 2 B (89)	105	137	420	80	INCL	(SP2,15) GA8093		OPP	01	
		Output 1 E (112)	133	173	400	76.5	INCL	(SP2,15) GA8093		OPP	01	
		Output 2 C (104)	122	159	420	80	INCL	(SP2,15) GA8093		OPP	01	
		Output 1 J (132)	155	202	380	73	INCL	(SP2,15) GA8093		OPP	01	
		Output 2 E (121)	142	185	400	76.5	INCL	(SP2,15) GA8093		OPP	01	
		Output 1 O (168)	199	258	350	67	INCL	(SP2,15) GA8093		OPP	01	
		Output 2 J (152)	180	234	380	73	INCL	(SP2,15) GA8093		OPP	01	
6800		Forward (55)	86	112	150	30	INCL	(SP15) GA8093	GA8062	BOTH	01	 ↑ 1B
		Reverse (52)	98	127	150	30	INCL	(SP15) GA8093	GA8062	BOTH	01	
8000		Forward (40)	48	63	500	95	INCL	(SP15) GA8093	GA8062	BOTH	01	 ↑ 1B
		Reverse (50)	58	75	500	95	INCL	(SP15) GA8093	GA8062	BOTH	01	
8500		B (57)	45	58	500	95	INCL	(SP15) GA8093	GA8062	OPP	01	 ↑ 1B
		C (70)	59	77	500	95	INCL	(SP15) GA8093	GA8062	OPP	01	
		E (86)	71	92	480	90	INCL	(SP15) GA8093	GA8062	OPP	01	
		J (105)	88	114	450	86	INCL	(SP15) GA8093	GA8062	OPP	01	
		O (127)	102	132	400	76	INCL	(SP15) GA8093	GA8062	OPP	01	
		R (137)	111	144	360	68	INCL	(SP15) GA8093	GA8062	OPP	01	
		S (150)	122	158	320	62	INCL	(SP15) GA8093	GA8062	OPP	01	
		T (165)	134	174	280	54	INCL	(SP15) GA8093	GA8062	OPP	01	

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO. **SP15:** Speeds shown with transmission in high range. Multiply speeds by .77 for low range.

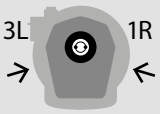
For complete part numbers, consult the PTO Series section (page 25)

ASO56-7A(301452)(301636)
ASO56-7B

ASO66-7A(301452)(301636)
ASO66-7B

ESO65-7A(301452)(301636)
ESO66-7B(301643)(301638)(301742)

SPIC.51

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		47	250	49	INCL	(SP3,4)		OPP	34	
		C (73)		63	250	49	INCL	(SP3,4)		OPP	34	
		E (86)		75	225	44	INCL	(SP3,4)		OPP	34	
		J (95)		82	225	44	INCL	(SP3,4)		OPP	34	
		O (125)		108	200	39	INCL	(SP3,4)		OPP	34	
		R (137)		118	200	39	INCL	(SP3,4)		OPP	34	
		S (150)		129	190	37	INCL	(SP3,4)		OPP	34	
		T (165)		142	175	34	INCL	(SP3,4)		OPP	34	

FOOT NOTES:

SP3: Check for possible interference with exhaust.

SP4: Possible clearance issue with direct mount pump. May need to use "3" assembly arrangement.

For complete part numbers, consult the PTO Series section (page 25)

Spicer

AS100-10D(301612)
AS125-10D(301613)
AS135-10D(301614)
AS145-10D(301615)
LAS100-10D(301616)
LAS125-10D(301617)

LAS135-10D(301618)
LAS145-10D(301619)
LLAS100-10D
LLAS125-10D
LLAS135-10D
LLAS145-10D

LLPS100-10D
LLPS125-10D
LLPS135-10D
LLPS145-10D(301703)
LPS100-10D(301608)
LPS125-10D(301609)

LPS135-10D(301610)
LPS145-10D(301611)
PS100-10D(301604)
PS125-10D(301605)
PS135-10D(301606)
PS145-10D(301607)

SPIC.52

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		75	250	49	INCL			OPP	01	
		C (73)		100	250	49	INCL			OPP	01	
		E (86)		119	225	44	INCL			OPP	01	
		J (95)		130	225	44	INCL			OPP	01	
		O (125)		171	200	39	INCL			OPP	01	
		R (137)		187	200	39	INCL			OPP	01	
		S (150)		205	190	37	INCL			OPP	01	
		T (165)		225	175	34	INCL			OPP	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		65	250		INCL			OPP	01	
		B (55)		75	250	49	INCL			OPP	01	
		C (73)		100	250	49	INCL			OPP	01	
		E (86)		119	225	44	INCL			OPP	01	
		J (95)		130	225	44	INCL			OPP	01	
		O (125)		171	200	39	INCL			OPP	01	
		R (137)		187	200	39	INCL			OPP	01	
		S (150)		205	190	37	INCL			OPP	01	
		T (165)		225	175	34	INCL			OPP	01	
3800		Z (40)		55	250	49	INCL	CLUTCH SHIFT		OPP	01	
		A (50)		68	250	49	INCL	CLUTCH SHIFT		OPP	01	
		B (55)		75	250	49	INCL	CLUTCH SHIFT		OPP	01	
		C (73)		100	250	49	INCL	CLUTCH SHIFT		OPP	01	
		E (86)		119	225	44	INCL	CLUTCH SHIFT		OPP	01	
		J (95)		130	225	44	INCL	CLUTCH SHIFT		OPP	01	
		O (125)		171	200	39	INCL	CLUTCH SHIFT		OPP	01	
		R (137)		187	200	39	INCL	CLUTCH SHIFT		OPP	01	
		S (150)		205	190	37	INCL	CLUTCH SHIFT		OPP	01	
		T (165)		225	175	34	INCL	CLUTCH SHIFT		OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
4100		B (57)		78	450	87	INCL	(SP2)		OPP	01	 ↑ 1B
		C (70)		96	470	90	INCL	(SP2)		OPP	01	
		E (86)		117	470	90	INCL	(SP2)		OPP	01	
		J (105)		143	400	77	INCL	(SP2)		OPP	01	
4250		Output 1 C (96)		131	420	80	INCL	(SP2)		OPP	01	 ↑ 1B
		Output 2 B (89)		122	420	80	INCL	(SP2)		OPP	01	
		Output 1 E (112)		153	400	76.5	INCL	(SP2)		OPP	01	
		Output 2 C (104)		142	420	80	INCL	(SP2)		OPP	01	
		Output 1 J (132)		180	380	73	INCL	(SP2)		OPP	01	
		Output 2 E (121)		165	400	76.5	INCL	(SP2)		OPP	01	
		Output 1 O (168)		230	350	67	INCL	(SP2)		OPP	01	
		Output 2 J (152)		208	380	73	INCL	(SP2)		OPP	01	
6800		Forward (55)		100	150	30	INCL			BOTH	01	 ↑ 1B
		Reverse (52)		113	150	30	INCL			BOTH	01	
8000		Forward (40)		56	500	95	INCL			BOTH	01	 ↑ 1B
		Reverse (50)		67	500	95	INCL			BOTH	01	
8500		B (57)		52	500	95	INCL			OPP	01	 ↑ 1B
		C (70)		68	500	95	INCL			OPP	01	
		E (86)		82	480	90	INCL			OPP	01	
		J (105)		101	450	86	INCL			OPP	01	
		O (127)		117	400	76	INCL			OPP	01	
		R (137)		129	360	68	INCL			OPP	01	
		S (150)		141	320	62	INCL			OPP	01	
		T (165)		155	280	54	INCL			OPP	01	

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO.

For complete part numbers, consult the PTO Series section (page 25)

CM-6252A(301257)(301084).

SPIC.53

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		68	250	49	S3		6200S	OPP	05	
		C (73)		90	250	49	S3		6200S	OPP	05	
		E (86)		108	225	44	S3		6200S	OPP	05	
		J (95)		118	225	44	S3		6200S	OPP	05	
		O (125)		155	200	39	S3		6200S	OPP	05	
		R (137)		170	200	39	S3		6200S	OPP	05	
		S (150)		186	190	37	S3		6200S	OPP	05	
		T (165)		204	175	34	S3		6200S	OPP	05	
3200		Z (40)		50	250	49	S3	CLUTCH SHIFT	6200S	OPP	05	
		A (50)		62	250	49	S3	CLUTCH SHIFT	6200S	OPP	05	
		B (55)		68	250	49	S3	CLUTCH SHIFT	6200S	OPP	05	
		C (73)		90	250	49	S3	CLUTCH SHIFT	6200S	OPP	05	
		E (86)		108	225	44	S3	CLUTCH SHIFT	6200S	OPP	05	
		J (95)		118	225	44	S3	CLUTCH SHIFT	6200S	OPP	05	
		O (125)		155	200	39	S3	CLUTCH SHIFT	6200S	OPP	05	
		R (137)		170	200	39	S3	CLUTCH SHIFT	6200S	OPP	05	
		S (150)		186	190	37	S3	CLUTCH SHIFT	6200S	OPP	05	
		T (165)		204	175	34	S3	CLUTCH SHIFT	6200S	OPP	05	

For complete part numbers, consult the PTO Series section (page 25)

CM-6252A(301257)(301084).

SPIC.53

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		S6	8600S	8248S	OPP	05	
		B (55)		68	250	49	S6	8600S	8248S	OPP	05	
		C (73)		90	250	49	S6	8600S	8248S	OPP	05	
		E (86)		108	225	44	S6	8600S	8248S	OPP	05	
		J (95)		118	225	44	S6	8600S	8248S	OPP	05	
		O (125)		155	200	39	S6	8600S	8248S	OPP	05	
		R (137)		170	200	39	S6	8600S	8248S	OPP	05	
		S (150)		186	190	37	S6	8600S	8248S	OPP	05	
		T (165)		204	175	34	S6	8600S	8248S	OPP	05	
3800		Z (40)		47	250	49	S6	8600S CLUTCH SHIFT	8248S	OPP	05	
		A (50)		59	250	49	S6	8600S CLUTCH SHIFT	8248S	OPP	05	
		B (55)		65	250	49	S6	8600S CLUTCH SHIFT	8248S	OPP	05	
		C (73)		86	250	49	S6	8600S CLUTCH SHIFT	8248S	OPP	05	
		E (86)		103	225	44	S6	8600S CLUTCH SHIFT	8248S	OPP	05	
		J (95)		113	225	44	S6	8600S CLUTCH SHIFT	8248S	OPP	05	
		O (125)		148	200	39	S6	8600S CLUTCH SHIFT	8248S	OPP	05	
		R (137)		162	200	39	S6	8600S CLUTCH SHIFT	8248S	OPP	05	
		S (150)		177	190	37	S6	8600S CLUTCH SHIFT	8248S	OPP	05	
		T (165)		195	175	34	S6	8600S CLUTCH SHIFT	8248S	OPP	05	
6800		Forward (55)		86	150	30	S6	8600S	8248S	BOTH	05	
		Reverse (52)		98	150	30	S6	8600S	8248S	BOTH	05	
8000		Forward (40)		49	500	95	S6	8600S	8248S	BOTH	05	
		Reverse (50)		58	500	95	S6	8600S	8248S	BOTH	05	
8500		B (57)		45	500	95	S6	8600S	8248S	OPP	05	
		C (70)		59	500	95	S6	8600S	8248S	OPP	05	
		E (86)		71	480	90	S6	8600S	8248S	OPP	05	
		J (105)		88	450	86	S6	8600S	8248S	OPP	05	
		O (127)		102	400	76	S6	8600S	8248S	OPP	05	
		R (137)		111	360	68	S6	8600S	8248S	OPP	05	
		S (150)		122	320	62	S6	8600S	8248S	OPP	05	
		T (165)		134	280	54	S6	8600S	8248S	OPP	05	

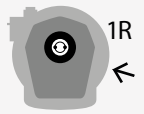
For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		77	250	49	S5		6700S	OPP	05	
		C (73)		102	250	49	S5		6700S	OPP	05	
		E (86)		122	225	44	S5		6700S	OPP	05	
		J (95)		133	225	44	S5		6700S	OPP	05	
		O (125)		175	200	39	S5		6700S	OPP	05	
		R (137)		191	200	39	S5		6700S	OPP	05	
		S (150)		210	190	37	S5		6700S	OPP	05	
		T (165)		231	175	34	S5		6700S	OPP	05	
3200		Z (40)		56	250	49	S5	CLUTCH SHIFT	6700S	OPP	05	
		A (50)		70	250	49	S5	CLUTCH SHIFT	6700S	OPP	05	
		B (55)		77	250	49	S5	CLUTCH SHIFT	6700S	OPP	05	
		C (73)		102	250	49	S5	CLUTCH SHIFT	6700S	OPP	05	
		E (86)		122	225	44	S5	CLUTCH SHIFT	6700S	OPP	05	
		J (95)		134	225	44	S5	CLUTCH SHIFT	6700S	OPP	05	
		O (125)		175	200	39	S5	CLUTCH SHIFT	6700S	OPP	05	
		R (137)		191	200	39	S5	CLUTCH SHIFT	6700S	OPP	05	
		S (150)		210	190	37	S5	CLUTCH SHIFT	6700S	OPP	05	
		T (165)		230	175	34	S5	CLUTCH SHIFT	6700S	OPP	05	

For complete part numbers, consult the PTO Series section (page 25)

CM-6253A(301259)(301086)

SPIC.54

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		S8	81005S	8165S	OPP	05	
		B (55)		77	250	49	S8	81005S	8165S	OPP	05	
		C (73)		102	250	49	S8	81005S	8165S	OPP	05	
		E (86)		122	225	44	S8	81005S	8165S	OPP	05	
		J (95)		133	225	44	S8	81005S	8165S	OPP	05	
		O (125)		175	200	39	S8	81005S	8165S	OPP	05	
		R (137)		191	200	39	S8	81005S	8165S	OPP	05	
		S (150)		210	190	37	S8	81005S	8165S	OPP	05	
		T (165)		231	175	34	S8	81005S	8165S	OPP	05	
3800		Z (40)		53	250	49	S8	81005S CLUTCH SHIFT	8165S	OPP	05	
		A (50)		67	250	49	S8	81005S CLUTCH SHIFT	8165S	OPP	05	
		B (55)		73	250	49	S8	81005S CLUTCH SHIFT	8165S	OPP	05	
		C (73)		97	250	49	S8	81005S CLUTCH SHIFT	8165S	OPP	05	
		E (86)		117	225	44	S8	81005S CLUTCH SHIFT	8165S	OPP	05	
		J (95)		128	225	44	S8	81005S CLUTCH SHIFT	8165S	OPP	05	
		O (125)		167	200	39	S8	81005S CLUTCH SHIFT	8165S	OPP	05	
		R (137)		183	200	39	S8	81005S CLUTCH SHIFT	8165S	OPP	05	
		S (150)		200	190	37	S8	81005S CLUTCH SHIFT	8165S	OPP	05	
6800		Forward (55)		97	150	30	S8	81005S	8165S	BOTH	05	
		Reverse (52)		111	150	30	S8	81005S	8165S	BOTH	05	
8000		Forward (40)		55	500	95	S8	81005S	8165S	BOTH	05	
		Reverse (50)		65	500	95	S8	81005S	8165S	BOTH	05	
8500		B (57)		50	500	95	S8	81005S	8165S	OPP	05	
		C (70)		67	500	95	S8	81005S	8165S	OPP	05	
		E (86)		80	480	90	S8	81005S	8165S	OPP	05	
		J (105)		99	450	86	S8	81005S	8165S	OPP	05	
		O (127)		115	400	76	S8	81005S	8165S	OPP	05	
		R (137)		126	360	68	S8	81005S	8165S	OPP	05	
		S (150)		138	320	62	S8	81005S	8165S	OPP	05	
		T (165)		151	280	54	S8	81005S	8165S	OPP	05	

For complete part numbers, consult the PTO Series section (page 25)

Spicer

TSP120-12A

SPIC.55

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)	67	86	250	49	INCL	(SP18)	61875	OPP	01	
		C (73)	88	114	250	49	INCL	(SP18)	61875	OPP	01	
		E (86)	105	135	225	44	INCL	(SP18)	61875	OPP	01	
		J (95)	115	148	225	44	INCL	(SP18)	61875	OPP	01	
		O (125)	150	194	200	39	INCL	(SP18)	61875	OPP	01	
		R (137)	165	213	200	39	INCL	(SP18)	61875	OPP	01	
		S (150)	181	233	190	37	INCL	(SP18)	61875	OPP	01	
		T (165)	199	257	175	34	INCL	(SP18)	61875	OPP	01	
3200		Z (40)	48	62	250	49	INCL	(SP18) CLUTCH SHIFT	61875	OPP	01	
		A (50)	60	78	250	49	INCL	(SP18) CLUTCH SHIFT	61875	OPP	01	
		B (55)	67	86	250	49	INCL	(SP18) CLUTCH SHIFT	61875	OPP	01	
		C (73)	88	114	250	49	INCL	(SP18) CLUTCH SHIFT	61875	OPP	01	
		E (86)	105	136	225	44	INCL	(SP18) CLUTCH SHIFT	61875	OPP	01	
		J (95)	115	149	225	44	INCL	(SP18) CLUTCH SHIFT	61875	OPP	01	
		O (125)	150	194	200	39	INCL	(SP18) CLUTCH SHIFT	61875	OPP	01	
		R (137)	165	213	200	39	INCL	(SP18) CLUTCH SHIFT	61875	OPP	01	
		S (150)	181	233	190	37	INCL	(SP18) CLUTCH SHIFT	61875	OPP	01	
		T (165)	198	256	175	34	INCL	(SP18) CLUTCH SHIFT	61875	OPP	01	
6000		Forward (73)	88	114	150	30	INCL	(SP18)	61875	BOTH	01	
		Reverse (83)	100	129	150	30	INCL	(SP18)	61875	BOTH	01	

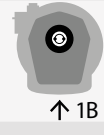
	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)	50	64	250		INCL	(SP18)	GA8062	OPP	01	
		B (55)	67	86	250	49	INCL	(SP18)	GA8062	OPP	01	
		C (73)	88	114	250	49	INCL	(SP18)	GA8062	OPP	01	
		E (86)	105	135	225	44	INCL	(SP18)	GA8062	OPP	01	
		J (95)	115	148	225	44	INCL	(SP18)	GA8062	OPP	01	
		O (125)	150	194	200	39	INCL	(SP18)	GA8062	OPP	01	
		R (137)	165	213	200	39	INCL	(SP18)	GA8062	OPP	01	
		S (150)	181	233	190	37	INCL	(SP18)	GA8062	OPP	01	
		T (165)	199	257	175	34	INCL	(SP18)	GA8062	OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

TSP120-12A

SPIC.55

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
3800		Z (40)	48	62	250	49	INCL	(SP18) CLUTCH SHIFT	GA8062	OPP	01	 ↑ 1B
		A (50)	60	78	250	49	INCL	(SP18) CLUTCH SHIFT	GA8062	OPP	01	
		B (55)	67	86	250	49	INCL	(SP18) CLUTCH SHIFT	GA8062	OPP	01	
		C (73)	88	114	250	49	INCL	(SP18) CLUTCH SHIFT	GA8062	OPP	01	
		E (86)	105	136	225	44	INCL	(SP18) CLUTCH SHIFT	GA8062	OPP	01	
		J (95)	115	149	225	44	INCL	(SP18) CLUTCH SHIFT	GA8062	OPP	01	
		O (125)	150	194	200	39	INCL	(SP18) CLUTCH SHIFT	GA8062	OPP	01	
		R (137)	165	213	200	39	INCL	(SP18) CLUTCH SHIFT	GA8062	OPP	01	
		S (150)	181	233	190	37	INCL	(SP18) CLUTCH SHIFT	GA8062	OPP	01	
		T (165)	198	256	175	34	INCL	(SP18) CLUTCH SHIFT	GA8062	OPP	01	
4100		B (57)	69	89	450	87	INCL	(SP2,18)	GA8062	OPP	01	 ↑ 1B
		C (70)	84	109	470	90	INCL	(SP2,18)	GA8062	OPP	01	
		E (86)	104	134	470	90	INCL	(SP2,18)	GA8062	OPP	01	
		J (105)	126	163	400	77	INCL	(SP2,18)	GA8062	OPP	01	
4250		Output 1 C (96)	116	150	420	80	INCL	(SP2,18)		OPP	01	 ↑ 1B
		Output 2 B (89)	108	139	420	80	INCL	(SP2,18)		OPP	01	
		Output 1 E (112)	136	175	400	76.5	INCL	(SP2,18)		OPP	01	
		Output 2 C (104)	126	162	420	80	INCL	(SP2,18)		OPP	01	
		Output 1 J (132)	159	205	380	73	INCL	(SP2,18)		OPP	01	
		Output 2 E (121)	146	188	400	76.5	INCL	(SP2,18)		OPP	01	
		Output 1 O (168)	203	262	350	67	INCL	(SP2,18)		OPP	01	
		Output 2 J (152)	184	237	380	73	INCL	(SP2,18)		OPP	01	
6800		Forward (55)	88	114	150	30	INCL	(SP18)	GA8062	BOTH	01	 ↑ 1B
		Reverse (52)	100	129	150	30	INCL	(SP18)	GA8062	BOTH	01	
8000		Forward (40)	50	64	500	95	INCL	(SP18)	GA8062	BOTH	01	 ↑ 1B
		Reverse (50)	59	76	500	95	INCL	(SP18)	GA8062	BOTH	01	
8500		B (57)	46	59	500	95	INCL	(SP18)	GA8062	OPP	01	 ↑ 1B
		C (70)	60	78	500	95	INCL	(SP18)	GA8062	OPP	01	
		E (86)	72	93	480	90	INCL	(SP18)	GA8062	OPP	01	
		J (105)	89	115	450	86	INCL	(SP18)	GA8062	OPP	01	
		O (127)	104	134	400	76	INCL	(SP18)	GA8062	OPP	01	
		R (137)	114	147	360	68	INCL	(SP18)	GA8062	OPP	01	
		S (150)	124	160	320	62	INCL	(SP18)	GA8062	OPP	01	
		T (165)	136	176	280	54	INCL	(SP18)	GA8062	OPP	01	

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO. **SP18:** Speeds shown with transmission in high range. Multiply speeds by .78 for low range.

For complete part numbers, consult the PTO Series section (page 25)



	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		87	250	49	INCL		GA6093	OPP	01	
		C (73)		115	250	49	INCL		GA6093	OPP	01	
		E (86)		137	225	44	INCL		GA6093	OPP	01	
		J (95)		150	225	44	INCL		GA6093	OPP	01	
		O (125)		197	200	39	INCL		GA6093	OPP	01	
		R (137)		216	200	39	INCL		GA6093	OPP	01	
		S (150)		236	190	37	INCL		GA6093	OPP	01	
		T (165)		260	175	34	INCL		GA6093	OPP	01	
3200		Z (40)		63	250	49	INCL	CLUTCH SHIFT	GA6093	OPP	01	
		A (50)		79	250	49	INCL	CLUTCH SHIFT	GA6093	OPP	01	
		B (55)		87	250	49	INCL	CLUTCH SHIFT	GA6093	OPP	01	
		C (73)		115	250	49	INCL	CLUTCH SHIFT	GA6093	OPP	01	
		E (86)		138	225	44	INCL	CLUTCH SHIFT	GA6093	OPP	01	
		J (95)		151	225	44	INCL	CLUTCH SHIFT	GA6093	OPP	01	
		O (125)		197	200	39	INCL	CLUTCH SHIFT	GA6093	OPP	01	
		R (137)		216	200	39	INCL	CLUTCH SHIFT	GA6093	OPP	01	
		S (150)		236	190	37	INCL	CLUTCH SHIFT	GA6093	OPP	01	
		T (165)		260	175	34	INCL	CLUTCH SHIFT	GA6093	OPP	01	
6000		Forward (73)		115	150	30	INCL		GA6093	BOTH	01	
		Reverse (83)		131	150	30	INCL		GA6093	BOTH	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		79	250		INCL			OPP	01	
		B (55)		87	250	49	INCL			OPP	01	
		C (73)		115	250	49	INCL			OPP	01	
		E (86)		137	225	44	INCL			OPP	01	
		J (95)		150	225	44	INCL			OPP	01	
		O (125)		197	200	39	INCL			OPP	01	
		R (137)		216	200	39	INCL			OPP	01	
		S (150)		236	190	37	INCL			OPP	01	
		T (165)		260	175	34	INCL			OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

1253A(301096)

1255A(301097)

1453A(301185)

SPIC.56

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
3800		Z (40)		63	250	49	INCL	CLUTCH SHIFT		OPP	01	 ↑ 1B
		A (50)		79	250	49	INCL	CLUTCH SHIFT		OPP	01	
		B (55)		87	250	49	INCL	CLUTCH SHIFT		OPP	01	
		C (73)		115	250	49	INCL	CLUTCH SHIFT		OPP	01	
		E (86)		138	225	44	INCL	CLUTCH SHIFT		OPP	01	
		J (95)		151	225	44	INCL	CLUTCH SHIFT		OPP	01	
		O (125)		197	200	39	INCL	CLUTCH SHIFT		OPP	01	
		R (137)		216	200	39	INCL	CLUTCH SHIFT		OPP	01	
		S (150)		236	190	37	INCL	CLUTCH SHIFT		OPP	01	
		T (165)		260	175	34	INCL	CLUTCH SHIFT		OPP	01	
4100		B (57)		90	450	87	INCL	(SP2)		OPP	01	 ↑ 1B
		C (70)		110	470	90	INCL	(SP2)		OPP	01	
		E (86)		136	470	90	INCL	(SP2)		OPP	01	
		J (105)		166	400	77	INCL	(SP2)		OPP	01	
4250		Output 1 C (96)		152	420	80	INCL	(SP2)		OPP	01	 ↑ 1B
		Output 2 B (89)		141	420	80	INCL	(SP2)		OPP	01	
		Output 1 E (112)		177	400	76.5	INCL	(SP2)		OPP	01	
		Output 2 C (104)		164	420	80	INCL	(SP2)		OPP	01	
		Output 1 J (132)		208	380	73	INCL	(SP2)		OPP	01	
		Output 2 E (121)		190	400	76.5	INCL	(SP2)		OPP	01	
		Output 1 O (168)		265	350	67	INCL	(SP2)		OPP	01	
		Output 2 J (152)		240	380	73	INCL	(SP2)		OPP	01	
6800		Forward (55)		115	150	30	INCL			BOTH	01	 ↑ 1B
		Reverse (52)		131	150	30	INCL			BOTH	01	
8000		Forward (40)		65	500	95	INCL			BOTH	01	 ↑ 1B
		Reverse (50)		77	500	95	INCL			BOTH	01	
8500		B (57)		60	500	95	INCL			OPP	01	 ↑ 1B
		C (70)		79	500	95	INCL			OPP	01	
		E (86)		94	480	90	INCL			OPP	01	
		J (105)		117	450	86	INCL			OPP	01	
		O (127)		135	400	76	INCL			OPP	01	
		R (137)		148	360	68	INCL			OPP	01	
		S (150)		163	320	62	INCL			OPP	01	
		T (165)		179	280	54	INCL			OPP	01	

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO.

For complete part numbers, consult the PTO Series section (page 25)

Spicer

1253B(301098)

1255B(301099)

1453B(301187)

SPIC.57

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		94	250	49	S5		6350S	OPP	01	
		C (73)		124	250	49	S5		6350S	OPP	01	
		E (86)		148	225	44	S5		6350S	OPP	01	
		J (95)		162	225	44	S5		6350S	OPP	01	
		O (125)		213	200	39	S5		6350S	OPP	01	
		R (137)		233	200	39	S5		6350S	OPP	01	
		S (150)		255	190	37	S5		6350S	OPP	01	
		T (165)		281	175	34	S5		6350S	OPP	01	
3200		Z (40)		68	250	49	S5	CLUTCH SHIFT	6350S	OPP	01	
		A (50)		85	250	49	S5	CLUTCH SHIFT	6350S	OPP	01	
		B (55)		94	250	49	S5	CLUTCH SHIFT	6350S	OPP	01	
		C (73)		124	250	49	S5	CLUTCH SHIFT	6350S	OPP	01	
		E (86)		149	225	44	S5	CLUTCH SHIFT	6350S	OPP	01	
		J (95)		163	225	44	S5	CLUTCH SHIFT	6350S	OPP	01	
		O (125)		213	200	39	S5	CLUTCH SHIFT	6350S	OPP	01	
		R (137)		233	200	39	S5	CLUTCH SHIFT	6350S	OPP	01	
		S (150)		255	190	37	S5	CLUTCH SHIFT	6350S	OPP	01	
6000		Forward (73)		124	150	30	S5		6350S	BOTH	01	
		Reverse (83)		141	150	30	S5		6350S	BOTH	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		85	250		INCL	GA8032	8165S	OPP	01	
		B (55)		94	250	49	INCL	GA8032	8165S	OPP	01	
		C (73)		124	250	49	INCL	GA8032	8165S	OPP	01	
		E (86)		148	225	44	INCL	GA8032	8165S	OPP	01	
		J (95)		162	225	44	INCL	GA8032	8165S	OPP	01	
		O (125)		213	200	39	INCL	GA8032	8165S	OPP	01	
		R (137)		233	200	39	INCL	GA8032	8165S	OPP	01	
		S (150)		255	190	37	INCL	GA8032	8165S	OPP	01	
		T (165)		281	175	34	INCL	GA8032	8165S	OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

1253B(301098)

1255B(301099)

1453B(301187)

SPIC.57

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
3800		Z (40)		68	250	49	INCL	GA8032 CLUTCH SHIFT	8165S	OPP	01	 ↑ 1B
		A (50)		85	250	49	INCL	GA8032 CLUTCH SHIFT	8165S	OPP	01	
		B (55)		94	250	49	INCL	GA8032 CLUTCH SHIFT	8165S	OPP	01	
		C (73)		124	250	49	INCL	GA8032 CLUTCH SHIFT	8165S	OPP	01	
		E (86)		149	225	44	INCL	GA8032 CLUTCH SHIFT	8165S	OPP	01	
		J (95)		163	225	44	INCL	GA8032 CLUTCH SHIFT	8165S	OPP	01	
		O (125)		213	200	39	INCL	GA8032 CLUTCH SHIFT	8165S	OPP	01	
		R (137)		233	200	39	INCL	GA8032 CLUTCH SHIFT	8165S	OPP	01	
		S (150)		255	190	37	INCL	GA8032 CLUTCH SHIFT	8165S	OPP	01	
		T (165)		280	175	34	INCL	GA8032 CLUTCH SHIFT	8165S	OPP	01	
4100		B (57)		97	450	87	INCL	(SP2) GA8032	8165S	OPP	01	 ↑ 1B
		C (70)		119	470	90	INCL	(SP2) GA8032	8165S	OPP	01	
		E (86)		146	470	90	INCL	(SP2) GA8032	8165S	OPP	01	
		J (105)		179	400	77	INCL	(SP2) GA8032	8165S	OPP	01	
4250		Output 1 C (96)		163	420	80	INCL	(SP2) GA8032		OPP	01	 ↑ 1B
		Output 2 B (89)		152	420	80	INCL	(SP2) GA8032		OPP	01	
		Output 1 E (112)		191	400	76.5	INCL	(SP2) GA8032		OPP	01	
		Output 2 C (104)		177	420	80	INCL	(SP2) GA8032		OPP	01	
		Output 1 J (132)		224	380	73	INCL	(SP2) GA8032		OPP	01	
		Output 2 E (121)		205	400	76.5	INCL	(SP2) GA8032		OPP	01	
		Output 1 O (168)		286	350	67	INCL	(SP2) GA8032		OPP	01	
		Output 2 J (152)		259	380	73	INCL	(SP2) GA8032		OPP	01	
6800		Forward (55)		124	150	30	INCL	GA8032	8165S	BOTH	01	 ↑ 1B
		Reverse (52)		141	150	30	INCL	GA8032	8165S	BOTH	01	
8000		Forward (40)		70	500	95	INCL	GA8032	8165S	BOTH	01	 ↑ 1B
		Reverse (50)		83	500	95	INCL	GA8032	8165S	BOTH	01	
8500		B (57)		64	500	95	INCL	GA8032	8165S	OPP	01	 ↑ 1B
		C (70)		85	500	95	INCL	GA8032	8165S	OPP	01	
		E (86)		102	480	90	INCL	GA8032	8165S	OPP	01	
		J (105)		126	450	86	INCL	GA8032	8165S	OPP	01	
		O (127)		146	400	76	INCL	GA8032	8165S	OPP	01	
		R (137)		160	360	68	INCL	GA8032	8165S	OPP	01	
		S (150)		175	320	62	INCL	GA8032	8165S	OPP	01	
		T (165)		193	280	54	INCL	GA8032	8165S	OPP	01	

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO.

//////////////////////////////////// For complete part numbers, consult the PTO Series section (page 25) //////////////////////////////////////

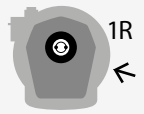
	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		39	250	49	INCL			OPP	03	
		C (73)		52	250	49	INCL			OPP	03	
		E (86)		62	225	44	INCL			OPP	03	
		J (95)		68	225	44	INCL			OPP	03	
		O (125)		89	200	39	INCL			OPP	03	
		R (137)		98	200	39	INCL			OPP	03	
		S (150)		107	190	37	INCL			OPP	03	
		T (165)		118	175	34	INCL			OPP	03	
3200		Z (40)		29	250	49	INCL	CLUTCH SHIFT		OPP	03	
		A (50)		36	250	49	INCL	CLUTCH SHIFT		OPP	03	
		B (55)		39	250	49	INCL	CLUTCH SHIFT		OPP	03	
		C (73)		52	250	49	INCL	CLUTCH SHIFT		OPP	03	
		E (86)		63	225	44	INCL	CLUTCH SHIFT		OPP	03	
		J (95)		68	225	44	INCL	CLUTCH SHIFT		OPP	03	
		O (125)		89	200	39	INCL	CLUTCH SHIFT		OPP	03	
		R (137)		98	200	39	INCL	CLUTCH SHIFT		OPP	03	
		S (150)		107	190	37	INCL	CLUTCH SHIFT		OPP	03	
		T (165)		118	175	34	INCL	CLUTCH SHIFT		OPP	03	

For complete part numbers, consult the PTO Series section (page 25)

CM-6252B(301258)(301085)

(301417)

SPIC.60

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		S4		8295S	OPP	05	
		B (55)		69	250	49	S4		8295S	OPP	05	
		C (73)		91	250	49	S4		8295S	OPP	05	
		E (86)		109	225	44	S4		8295S	OPP	05	
		J (95)		119	225	44	S4		8295S	OPP	05	
		O (125)		156	200	39	S4		8295S	OPP	05	
		R (137)		171	200	39	S4		8295S	OPP	05	
		S (150)		188	190	37	S4		8295S	OPP	05	
		T (165)		206	175	34	S4		8295S	OPP	05	
3800		Z (40)		48	250	49	S4	CLUTCH SHIFT	8295S	OPP	05	
		A (50)		60	250	49	S4	CLUTCH SHIFT	8295S	OPP	05	
		B (55)		66	250	49	S4	CLUTCH SHIFT	8295S	OPP	05	
		C (73)		87	250	49	S4	CLUTCH SHIFT	8295S	OPP	05	
		E (86)		104	225	44	S4	CLUTCH SHIFT	8295S	OPP	05	
		J (95)		114	225	44	S4	CLUTCH SHIFT	8295S	OPP	05	
		O (125)		149	200	39	S4	CLUTCH SHIFT	8295S	OPP	05	
		R (137)		163	200	39	S4	CLUTCH SHIFT	8295S	OPP	05	
		S (150)		179	190	37	S4	CLUTCH SHIFT	8295S	OPP	05	
6800		Forward (55)		87	150	30	S4		8295S	BOTH	05	
		Reverse (52)		99	150	30	S4		8295S	BOTH	05	
8000		Forward (40)		49	500	95	S4		8295S	BOTH	05	
		Reverse (50)		59	500	95	S4		8295S	BOTH	05	
8500		B (57)		45	500	95	S4		8295S	OPP	05	
		C (70)		60	500	95	S4		8295S	OPP	05	
		E (86)		71	480	90	S4		8295S	OPP	05	
		J (105)		89	450	86	S4		8295S	OPP	05	
		O (127)		103	400	76	S4		8295S	OPP	05	
		R (137)		112	360	68	S4		8295S	OPP	05	
		S (150)		123	320	62	S4		8295S	OPP	05	
		T (165)		135	280	54	S4		8295S	OPP	05	

For complete part numbers, consult the PTO Series section (page 25)

Spicer

CM-6253B(301260)(301087)(301418)

ES72-5B(301637)

SPIC.61

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		90	250	49	S5		6800S	OPP	05	
		C (73)		120	250	49	S5		6800S	OPP	05	
		E (86)		143	225	44	S5		6800S	OPP	05	
		J (95)		156	225	44	S5		6800S	OPP	05	
		O (125)		205	200	39	S5		6800S	OPP	05	
		R (137)		225	200	39	S5		6800S	OPP	05	
		S (150)		246	190	37	S5		6800S	OPP	05	
		T (165)		271	175	34	S5		6800S	OPP	05	
3200		Z (40)		66	250	49	S5	CLUTCH SHIFT	6800S	OPP	05	
		A (50)		82	250	49	S5	CLUTCH SHIFT	6800S	OPP	05	
		B (55)		90	250	49	S5	CLUTCH SHIFT	6800S	OPP	05	
		C (73)		120	250	49	S5	CLUTCH SHIFT	6800S	OPP	05	
		E (86)		144	225	44	S5	CLUTCH SHIFT	6800S	OPP	05	
		J (95)		157	225	44	S5	CLUTCH SHIFT	6800S	OPP	05	
		O (125)		205	200	39	S5	CLUTCH SHIFT	6800S	OPP	05	
		R (137)		225	200	39	S5	CLUTCH SHIFT	6800S	OPP	05	
		S (150)		246	190	37	S5	CLUTCH SHIFT	6800S	OPP	05	
		T (165)		271	175	34	S5	CLUTCH SHIFT	6800S	OPP	05	

For complete part numbers, consult the PTO Series section (page 25)

CM-6253B(301260)(301087)(301418)

ES72-5B(301637)

SPIC.61

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		S8	GA8093	812005	OPP	05	
		B (55)		90	250	49	S8	GA8093	812005	OPP	05	
		C (73)		120	250	49	S8	GA8093	812005	OPP	05	
		E (86)		143	225	44	S8	GA8093	812005	OPP	05	
		J (95)		156	225	44	S8	GA8093	812005	OPP	05	
		O (125)		205	200	39	S8	GA8093	812005	OPP	05	
		R (137)		225	200	39	S8	GA8093	812005	OPP	05	
		S (150)		246	190	37	S8	GA8093	812005	OPP	05	
		T (165)		271	175	34	S8	GA8093	812005	OPP	05	
3800		Z (40)		63	250	49	S8	GA8093 CLUTCH SHIFT	812005	OPP	05	
		A (50)		78	250	49	S8	GA8093 CLUTCH SHIFT	812005	OPP	05	
		B (55)		86	250	49	S8	GA8093 CLUTCH SHIFT	812005	OPP	05	
		C (73)		114	250	49	S8	GA8093 CLUTCH SHIFT	812005	OPP	05	
		E (86)		137	225	44	S8	GA8093 CLUTCH SHIFT	812005	OPP	05	
		J (95)		150	225	44	S8	GA8093 CLUTCH SHIFT	812005	OPP	05	
		O (125)		196	200	39	S8	GA8093 CLUTCH SHIFT	812005	OPP	05	
		R (137)		215	200	39	S8	GA8093 CLUTCH SHIFT	812005	OPP	05	
		S (150)		235	190	37	S8	GA8093 CLUTCH SHIFT	812005	OPP	05	
		T (165)		258	175	34	S8	GA8093 CLUTCH SHIFT	812005	OPP	05	
6800		Forward (55)		114	150	30	S8	GA8093	812005	BOTH	05	
		Reverse (52)		130	150	30	S8	GA8093	812005	BOTH	05	
8000		Forward (40)		65	500	95	S8	GA8093	812005	BOTH	05	
		Reverse (50)		77	500	95	S8	GA8093	812005	BOTH	05	
8500		B (57)		59	500	95	S8	GA8093	812005	OPP	05	
		C (70)		79	500	95	S8	GA8093	812005	OPP	05	
		E (86)		94	480	90	S8	GA8093	812005	OPP	05	
		J (105)		116	450	86	S8	GA8093	812005	OPP	05	
		O (127)		135	400	76	S8	GA8093	812005	OPP	05	
		R (137)		148	360	68	S8	GA8093	812005	OPP	05	
		S (150)		162	320	62	S8	GA8093	812005	OPP	05	
		T (165)		178	280	54	S8	GA8093	812005	OPP	05	

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)	75	96	250	49	INCL	(SP20)	6140S	OPP	01	
		C (73)	99	127	250	49	INCL	(SP20)	6140S	OPP	01	
		E (86)	119	152	225	44	INCL	(SP20)	6140S	OPP	01	
		J (95)	130	166	225	44	INCL	(SP20)	6140S	OPP	01	
		O (125)	170	218	200	39	INCL	(SP20)	6140S	OPP	01	
		R (137)	187	239	200	39	INCL	(SP20)	6140S	OPP	01	
		S (150)	205	262	190	37	INCL	(SP20)	6140S	OPP	01	
		T (165)	225	288	175	34	INCL	(SP20)	6140S	OPP	01	

FOOT NOTES:

SP20: Speeds shown with transmission in low range. Multiply speeds by 1.28 for high range.

ASO140-9A
ASO145-9A
ASO150-9A
LASO115-9A(301594)
LASO125-9A(301595)
LASO135-9A(301597)
LASO140-9A

LASO145-9A(301596)
LASO150-9A
LPS9-VPD
LPSO125-9A(301548)(301568)
LPSO140-9A(301550)(301570)
LPSO150-9A(301551)(301571)
LPSO9-VPD

PS9-VPD
PSO125-9A(301499)(301556)
PSO140-9A(301432)(301557)
PSO150-9A(301496)(301558)
PSO9-VPD

SPIC.63

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		93	250	49	INCL	(SP5)		OPP	01	
		C (73)		123	250	49	INCL	(SP5)		OPP	01	
		E (86)		147	225	44	INCL	(SP5)		OPP	01	
		J (95)		161	225	44	INCL	(SP5)		OPP	01	
		O (125)		211	200	39	INCL	(SP5)		OPP	01	
		R (137)		231	200	39	INCL	(SP5)		OPP	01	
		S (150)		253	190	37	INCL	(SP5)		OPP	01	
		T (165)		279	175	34	INCL	(SP5)		OPP	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		84	250		INCL			OPP	01	
		B (55)		93	250	49	INCL			OPP	01	
		C (73)		123	250	49	INCL			OPP	01	
		E (86)		147	225	44	INCL			OPP	01	
		J (95)		161	225	44	INCL			OPP	01	
		O (125)		211	200	39	INCL			OPP	01	
		R (137)		231	200	39	INCL			OPP	01	
		S (150)		253	190	37	INCL			OPP	01	
		T (165)		279	175	34	INCL			OPP	01	
3800		Z (40)		68	250	49	INCL	CLUTCH SHIFT		OPP	01	
		A (50)		84	250	49	INCL	CLUTCH SHIFT		OPP	01	
		B (55)		93	250	49	INCL	CLUTCH SHIFT		OPP	01	
		C (73)		123	250	49	INCL	CLUTCH SHIFT		OPP	01	
		E (86)		148	225	44	INCL	CLUTCH SHIFT		OPP	01	
		J (95)		162	225	44	INCL	CLUTCH SHIFT		OPP	01	
		O (125)		211	200	39	INCL	CLUTCH SHIFT		OPP	01	
		R (137)		231	200	39	INCL	CLUTCH SHIFT		OPP	01	
		S (150)		253	190	37	INCL	CLUTCH SHIFT		OPP	01	
		T (165)		278	175	34	INCL	CLUTCH SHIFT		OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
4100	B (57)		96		450	87	INCL	(SP2)		OPP	01	 ↑ 1B
	C (70)		118		470	90	INCL	(SP2)		OPP	01	
	E (86)		145		470	90	INCL	(SP2)		OPP	01	
	J (105)		177		400	77	INCL	(SP2)		OPP	01	
4250	Output 1 C (96)		162		420	80	INCL	(SP2)		OPP	01	 ↑ 1B
	Output 2 B (89)		151		420	80	INCL	(SP2)		OPP	01	
	Output 1 E (112)		190		400	76.5	INCL	(SP2)		OPP	01	
	Output 2 C (104)		175		420	80	INCL	(SP2)		OPP	01	
	Output 1 J (132)		223		380	73	INCL	(SP2)		OPP	01	
	Output 2 E (121)		204		400	76.5	INCL	(SP2)		OPP	01	
	Output 1 O (168)		285		350	67	INCL	(SP2)		OPP	01	
	Output 2 J (152)		257		380	73	INCL	(SP2)		OPP	01	
6800	Forward (55)		123		150	30	INCL			BOTH	01	 ↑ 1B
	Reverse (52)		140		150	30	INCL			BOTH	01	
8000	Forward (40)		70		500	95	INCL			BOTH	01	 ↑ 1B
	Reverse (50)		83		500	95	INCL			BOTH	01	
8500	B (57)		64		500	95	INCL			OPP	01	 ↑ 1B
	C (70)		85		500	95	INCL			OPP	01	
	E (86)		101		480	90	INCL			OPP	01	
	J (105)		125		450	86	INCL			OPP	01	
	O (127)		145		400	76	INCL			OPP	01	
	R (137)		159		360	68	INCL			OPP	01	
	S (150)		174		320	62	INCL			OPP	01	
	T (165)		192		280	54	INCL			OPP	01	

FOOT NOTES:

- SP5:** Direct mount pumps need adapter to clear bulge on right side.
- SP2:** Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO.

For complete part numbers, consult the PTO Series section (page 25)

ASO10-VPD
 ASO100-10S
 ASO125-10S(301541)(301579)
 ASO140-10S(301542)(301580)
 ASO150-10S(301526)(301578)
 ASO165-10S(301543)(301581)
 LASO10-VPD
 LASO125-10S(301620)
 LASO140-10S(301621)
 LASO150-10S(301622)
 LLASO125-10S
 LLASO140-10S

LLASO150-10S
 LLPSO100-10S
 LLPSO125-10S
 LLPSO140-10S(301705)
 LLPSO150-10S
 LLPSO165-10S
 LPSO10-VPD
 LPSO100-10S
 LPSO125-10S(301544)(301572)
 LPSO140-10S(301545)(301573)
 LPSO150-10S(301546)(301574)
 LPSO165-10S

PSO10-VPD
 PSO100-10S(301505)(301560)
 PSO115-10V(301588)
 PSO125-10S(301504)(301561)
 PSO125-10V(301589)
 PSO140-10S(301506)(301562)
 PSO145-10V(301582)
 PSO150-10S(301503)(301563)
 PSO150-9S(301521)
 PSO160-10S(301517)
 PSO165-10S(301523)(301564)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		96	250	49	INCL			OPP	01	
		C (73)		127	250	49	INCL			OPP	01	
		E (86)		151	225	44	INCL			OPP	01	
		J (95)		165	225	44	INCL			OPP	01	
		O (125)		217	200	39	INCL			OPP	01	
		R (137)		238	200	39	INCL			OPP	01	
		S (150)		261	190	37	INCL			OPP	01	
		T (165)		287	175	34	INCL			OPP	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		87	250		INCL			OPP	01	
		B (55)		96	250	49	INCL			OPP	01	
		C (73)		127	250	49	INCL			OPP	01	
		E (86)		151	225	44	INCL			OPP	01	
		J (95)		165	225	44	INCL			OPP	01	
		O (125)		217	200	39	INCL			OPP	01	
		R (137)		238	200	39	INCL			OPP	01	
		S (150)		261	190	37	INCL			OPP	01	
		T (165)		287	175	34	INCL			OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
← CONTINUES												
3800		Z (40)		70	250	49	INCL	CLUTCH SHIFT		OPP	01	 ↑ 1B
		A (50)		87	250	49	INCL	CLUTCH SHIFT		OPP	01	
		B (55)		96	250	49	INCL	CLUTCH SHIFT		OPP	01	
		C (73)		127	250	49	INCL	CLUTCH SHIFT		OPP	01	
		E (86)		152	225	44	INCL	CLUTCH SHIFT		OPP	01	
		J (95)		166	225	44	INCL	CLUTCH SHIFT		OPP	01	
		O (125)		217	200	39	INCL	CLUTCH SHIFT		OPP	01	
		R (137)		238	200	39	INCL	CLUTCH SHIFT		OPP	01	
		S (150)		261	190	37	INCL	CLUTCH SHIFT		OPP	01	
		T (165)		286	175	34	INCL	CLUTCH SHIFT		OPP	01	
4100		B (57)		99	450	87	INCL	(SP2)		OPP	01	 ↑ 1B
		C (70)		122	470	90	INCL	(SP2)		OPP	01	
		E (86)		150	470	90	INCL	(SP2)		OPP	01	
		J (105)		183	400	77	INCL	(SP2)		OPP	01	
4250		Output 1 C (96)		167	420	80	INCL	(SP2)		OPP	01	 ↑ 1B
		Output 2 B (89)		155	420	80	INCL	(SP2)		OPP	01	
		Output 1 E (112)		196	400	76.5	INCL	(SP2)		OPP	01	
		Output 2 C (104)		181	420	80	INCL	(SP2)		OPP	01	
		Output 1 J (132)		229	380	73	INCL	(SP2)		OPP	01	
		Output 2 E (121)		210	400	76.5	INCL	(SP2)		OPP	01	
		Output 1 O (168)		293	350	67	INCL	(SP2)		OPP	01	
		Output 2 J (152)		265	380	73	INCL	(SP2)		OPP	01	
6800		Forward (55)		127	150	30	INCL			BOTH	01	 ↑ 1B
		Reverse (52)		144	150	30	INCL			BOTH	01	
8000		Forward (40)		72	500	95	INCL			BOTH	01	 ↑ 1B
		Reverse (50)		85	500	95	INCL			BOTH	01	
8500		B (57)		66	500	95	INCL			OPP	01	 ↑ 1B
		C (70)		87	500	95	INCL			OPP	01	
		E (86)		104	480	90	INCL			OPP	01	
		J (105)		129	450	86	INCL			OPP	01	
		O (127)		149	400	76	INCL			OPP	01	
		R (137)		164	360	68	INCL			OPP	01	
		S (150)		179	320	62	INCL			OPP	01	
		T (165)		197	280	54	INCL			OPP	01	

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO.

//////////////////////////////////// For complete part numbers, consult the PTO Series section (page 25) //////////////////////////////////////

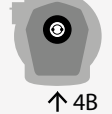
1241-CT
1241-DT
1241C(300977.301145.301151)
1241D(300978.301146.301152)

AMO1000-4C(301474)
AMO1000-4D(301475)
APO1000-4C(301476)
APO1000-4D(301477)

ATO1000-4C
ATO1000-4D
P1241C(301053)(301395)
P1241D(301054)(301396)

SPIC.65

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		100	250	49	INCL	(SP1)	GA6093	OPP	02	
		C (73)		132	250	49	INCL	(SP1)	GA6093	OPP	02	
		E (86)		158	225	44	INCL	(SP1)	GA6093	OPP	02	
		J (95)		172	225	44	INCL	(SP1)	GA6093	OPP	02	
		O (125)		227	200	39	INCL	(SP1)	GA6093	OPP	02	
		R (137)		249	200	39	INCL	(SP1)	GA6093	OPP	02	
		S (150)		272	190	37	INCL	(SP1)	GA6093	OPP	02	
		T (165)		299	175	34	INCL	(SP1)	GA6093	OPP	02	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)			250		INCL	(SP1)	GA8062	OPP	02	
		B (55)		100	250	49	INCL	(SP1)	GA8062	OPP	02	
		C (73)		132	250	49	INCL	(SP1)	GA8062	OPP	02	
		E (86)		158	225	44	INCL	(SP1)	GA8062	OPP	02	
		J (95)		172	225	44	INCL	(SP1)	GA8062	OPP	02	
		O (125)		227	200	39	INCL	(SP1)	GA8062	OPP	02	
		R (137)		249	200	39	INCL	(SP1)	GA8062	OPP	02	
		S (150)		272	190	37	INCL	(SP1)	GA8062	OPP	02	
		T (165)		299	175	34	INCL	(SP1)	GA8062	OPP	02	
6800		Forward (55)		114	150	30	INCL	(SP1)	GA8062	BOTH	02	
		Reverse (52)		130	150	30	INCL	(SP1)	GA8062	BOTH	02	
8000		Forward (40)		65	500	95	INCL	(SP1)	GA8062	BOTH	02	
		Reverse (50)		77	500	95	INCL	(SP1)	GA8062	BOTH	02	
8500		B (57)		59	500	95	INCL	(SP1)	GA8062	OPP	02	
		C (70)		79	500	95	INCL	(SP1)	GA8062	OPP	02	
		E (86)		94	480	90	INCL	(SP1)	GA8062	OPP	02	
		J (105)		116	450	86	INCL	(SP1)	GA8062	OPP	02	
		O (127)		135	400	76	INCL	(SP1)	GA8062	OPP	02	
		R (137)		148	360	68	INCL	(SP1)	GA8062	OPP	02	
		S (150)		162	320	62	INCL	(SP1)	GA8062	OPP	02	
		T (165)		178	280	54	INCL	(SP1)	GA8062	OPP	02	

FOOT NOTES:

SP1: Speeds are shown with main transmission in direct drive.

For complete part numbers, consult the PTO Series section (page 25)

Spicer

ASO125-10D
ASO125-9A

ASO135-10D
ASO135-9A

PSO125-10D
PSO135-10D

PSO145-10D
PSO155-10D

PSO165-10D

SPIC.66

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		100	250	49	INCL			OPP	01	
		C (73)		132	250	49	INCL			OPP	01	
		E (86)		157	225	44	INCL			OPP	01	
		J (95)		172	225	44	INCL			OPP	01	
		O (125)		226	200	39	INCL			OPP	01	
		R (137)		248	200	39	INCL			OPP	01	
		S (150)		272	190	37	INCL			OPP	01	
		T (165)		299	175	34	INCL			OPP	01	

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
2000		A (50)		91	250		INCL			OPP	01	
		B (55)		100	250	49	INCL			OPP	01	
		C (73)		132	250	49	INCL			OPP	01	
		E (86)		157	225	44	INCL			OPP	01	
		J (95)		172	225	44	INCL			OPP	01	
		O (125)		226	200	39	INCL			OPP	01	
		R (137)		248	200	39	INCL			OPP	01	
		S (150)		272	190	37	INCL			OPP	01	
3800		T (165)		299	175	34	INCL			OPP	01	
		Z (40)		72	250	49	INCL	CLUTCH SHIFT		OPP	01	
		A (50)		91	250	49	INCL	CLUTCH SHIFT		OPP	01	
		B (55)		100	250	49	INCL	CLUTCH SHIFT		OPP	01	
		C (73)		132	250	49	INCL	CLUTCH SHIFT		OPP	01	
		E (86)		158	225	44	INCL	CLUTCH SHIFT		OPP	01	
		J (95)		173	225	44	INCL	CLUTCH SHIFT		OPP	01	
		O (125)		226	200	39	INCL	CLUTCH SHIFT		OPP	01	
		R (137)		248	200	39	INCL	CLUTCH SHIFT		OPP	01	
		S (150)		272	190	37	INCL	CLUTCH SHIFT		OPP	01	
		T (165)		298	175	34	INCL	CLUTCH SHIFT		OPP	01	

CONTINUES →

For complete part numbers, consult the PTO Series section (page 25)

ASO125-10D
ASO125-9A

ASO135-10D
ASO135-9A

PSO125-10D
PSO135-10D

PSO145-10D
PSO155-10D

PSO165-10D

SPIC.66

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
← CONTINUES												
4100		B (57)		103	450	87	INCL	(SP2)		OPP	01	 ↑ 1B
		C (70)		127	470	90	INCL	(SP2)		OPP	01	
		E (86)		156	470	90	INCL	(SP2)		OPP	01	
		J (105)		190	400	77	INCL	(SP2)		OPP	01	
4250		Output 1 C (96)		174	420	80	INCL	(SP2)		OPP	01	 ↑ 1B
		Output 2 B (89)		162	420	80	INCL	(SP2)		OPP	01	
		Output 1 E (112)		204	400	76.5	INCL	(SP2)		OPP	01	
		Output 2 C (104)		188	420	80	INCL	(SP2)		OPP	01	
		Output 1 J (132)		239	380	73	INCL	(SP2)		OPP	01	
		Output 2 E (121)		219	400	76.5	INCL	(SP2)		OPP	01	
		Output 1 O (168)		305	350	67	INCL	(SP2)		OPP	01	
		Output 2 J (152)		276	380	73	INCL	(SP2)		OPP	01	
6800		Forward (55)		132	150	30	INCL			BOTH	01	 ↑ 1B
		Reverse (52)		150	150	30	INCL			BOTH	01	
8000		Forward (40)		75	500	95	INCL			BOTH	01	 ↑ 1B
		Reverse (50)		89	500	95	INCL			BOTH	01	
8500		B (57)		68	500	95	INCL			OPP	01	 ↑ 1B
		C (70)		91	500	95	INCL			OPP	01	
		E (86)		108	480	90	INCL			OPP	01	
		J (105)		134	450	86	INCL			OPP	01	
		O (127)		156	400	76	INCL			OPP	01	
		R (137)		171	360	68	INCL			OPP	01	
		S (150)		187	320	62	INCL			OPP	01	
		T (165)		205	280	54	INCL			OPP	01	

FOOT NOTES:

SP2: Possible internal transmission gear interference with 4100 series "J" & "O" ratios. Check before installing PTO.

For complete part numbers, consult the PTO Series section (page 25)

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		C (73)		48	250	49	INCL	(SP3,4,13)		OPP	51	
		E (86)		58	225	44	INCL	(SP3,4,13)		OPP	51	
		J (95)		63	225	44	INCL	(SP3,4,13)		OPP	51	
		O (125)		83	200	39	INCL	(SP3,4,13)		OPP	51	
		R (137)		91	200	39	INCL	(SP3,4,13)		OPP	51	
		S (150)		100	190	37	INCL	(SP3,4,13)		OPP	51	
		T (165)		110	175	34	INCL	(SP3,4,13)		OPP	51	

FOOT NOTES:

SP3: Check for possible interference with exhaust.

SP4: Possible clearance issue with direct mount pump. May need to use "3" assembly arrangement.

SP13: Left Side: Direct mount pump interferes with flange on transmission at rear of PTO opening. Shaft-high assembly arrangement interferes with bulge in transmission case.

Volvo Index

Transmission Model	Pag.
AT-2412C	441
AT-2412D	441
AT-2512C	441
AT-2612D	441
AT-2612E	441
AT-2612F	441
AT-2812C	441
AT-2812D	441
ATO-2512C	443
ATO-2612D	443
ATO-2612F	443
ATO-3112C	443
ATO-3112D	443
DT-2412C	444
R-51	445
R-52	445
R-70	444
R-1000	440
R-1400	440
R-1700	440
SR-52	445
SR-70	444
SR-1400	441
SR-1700	441
SR-1900	441
SR-2000	440
SRO-2400	442
V-2412AT	441
V-2512AT	441
V-2812AT	441
VO-2512AT	443
VO-3112AT	443
VT-809	440
VT-1309	440
VT-1414	440
VT-1708	440
VT-2009B	440
VT-2014B	441
VT-2214B	441
VT-2412B	442
VT-2512C	441
VT-2514B	441
VT-2812C	441
VTO-2214B	443
VTO-2512C	443
VTO-2514B	443
VTO-3112C	443

SR-2000

VVO.01

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1196K03	100%	65	82	609	118	INCL		L=267 110104 L=302 110304	OPP		
	11113K03	130%	85	107	465	97	INCL		L=267 110104 L=302 110304	ENG		
	1198K03	132%	86	108	310	60	INCL		L=267 110104 L=302 110304	ENG		
	11111K03	180%	118	148	361	70	INCL	H.DUTY, ROTATED OUTPUT	L=267 110104 L=302 110304	ENG		
	11104K03	185%	120	152	413	80	INCL	BUILT-IN CLUTCH	L=267 110104 L=302 110304	ENG		
	11123K03	162%	106	133	413	80	INCL		L=265 110204 L=300 110504	ENG		
	11107KXXX		[1]: 54 [2]: 119	[1]: 69 [2]: 150	332 369	64 71	INCL	TWIN OUTPUT [1]=SHAFT 1. [2]=SHAFT 2.	L=265 110204 L=300 110504	(1)ENG/ (2)OPP		

IMPORTANT NOTE: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit.

R-1000 R-1400

R-1700 VT-1309

VT-1414 VT-1708

VT-2009B VT-809

VVO.02

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1196K03	100%	70		609	118	INCL		L=267 110104 L=302 110304	OPP		
	11113K03	130%	91		465	97	INCL		L=267 110104 L=302 110304	ENG		
	1198K03	132%	92		310	60	INCL		L=267 110104 L=302 110304	ENG		
	11111K03	180%	126		361	70	INCL	H.DUTY, ROTATED OUTPUT	L=267 110104 L=302 110304	ENG		
	11104K03	185%	130		413	80	INCL	BUILT-IN CLUTCH	L=267 110104 L=302 110304	ENG		
	11123K03	162%	113	0	413	80	INCL		L=265 110204 L=300 110504	ENG		
	11107KXXX		[1]: 59 [2]: 129		332 369	64 71	INCL	TWIN OUTPUT [1]=SHAFT 1. [2]=SHAFT 2.	L=265 110204 L=300 110504	(1)ENG/ (2)OPP		

IMPORTANT NOTE: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit.

For complete part numbers, consult the PTO Series section (page 25)

SR-1400
SR-1700
SR-1900
VT-2014B
VT-2214B
VT-2514B
VVO.03

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1196K03	100%	70	88	609	118	INCL		L=267 110104 L=302 110304	OPP		
	11113K03	130%	91	114	465	97	INCL		L=267 110104 L=302 110304	ENG		
	1198K03	132%	92	116	310	60	INCL		L=267 110104 L=302 110304	ENG		
	11111K03	180%	126	158	361	70	INCL	H.DUTY, ROTATED OUTPUT	L=267 110104 L=302 110304	ENG		
	11104K03	185%	130	163	413	80	INCL	BUILT-IN CLUTCH	L=267 110104 L=302 110304	ENG		
	11123K03	162%	113	142	413	80	INCL		L=265 110204 L=300 110504	ENG		
	11107KXXX		[1]: 59 [2]: 129	[1]: 74 [2]: 162	332 369	64 71	INCL	TWIN OUTPUT [1]=SHAFT 1. [2]=SHAFT 2.	L=265 110204 L=300 110504	(1)ENG/ (2)OPP		

IMPORTANT NOTE: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit.

AT-2412C
AT-2412D
AT-2512C
AT-2612D
AT-2612E
AT-2612F
AT-2812C
AT-2812D
V-2412AT
V-2512AT
V-2812AT
VT-2512C
VT-2812C
VVO.04

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1196K03	100%	70	90	609	118	INCL		L=229 116504	OPP		
	11113K03	130%	91	117	465	97	INCL		L=229 116504	ENG		
	1198K03	132%	92	119	310	60	INCL		L=229 116504	ENG		
	11111K03	180%	126	162	361	70	INCL	H.DUTY, ROTATED OUTPUT	L=229 116504	ENG		
	11104K03	185%	130	167	413	80	INCL	BUILT-IN CLUTCH	L=229 116504	ENG		
	11123K03	162%	113	146	413	80	INCL		L=227 116704	ENG		
	11107KXXX		[1]: 59 [2]: 129	[1]: 76 [2]: 166	332 369	64 71	INCL	TWIN OUTPUT [1]=SHAFT 1. [2]=SHAFT 2.	L=227 116704	(1)ENG/ (2)OPP		

IMPORTANT NOTE: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit.

For complete part numbers, consult the PTO Series section (page 25)

VT-2412B

VVO.05

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1196K03	100%	70	90	609	118	INCL		L=267 110104 L=302 110304	OPP		
	11113K03	130%	91	117	465	97	INCL		L=267 110104 L=302 110304	ENG		
	1198K03	132%	92	119	310	60	INCL		L=267 110104 L=302 110304	ENG		
	11111K03	180%	126	162	361	70	INCL	H.DUTY, ROTATED OUTPUT	L=267 110104 L=302 110304	ENG		
	11104K03	185%	130	167	413	80	INCL	BUILT-IN CLUTCH	L=267 110104 L=302 110304	ENG		
	11123K03	162%	113	146	413	80	INCL		L=265 110204 L=300 110504	ENG		
	11107KXXX		[1]: 59 [2]: 129	[1]: 76 [2]: 166	332 369	64 71	INCL	TWIN OUTPUT [1]=SHAFT 1. [2]=SHAFT 2.	L=265 110204 L=300 110504	(1)ENG/ (2)OPP		

IMPORTANT NOTE: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit.

SRO-2400

VVO.06

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1196K03	100%	82	103	609	118	INCL		L=267 110104 L=302 110304	OPP		
	11113K03	130%	107	134	465	97	INCL		L=267 110104 L=302 110304	ENG		
	1198K03	132%	108	136	310	60	INCL		L=267 110104 L=302 110304	ENG		
	11111K03	180%	148	186	361	70	INCL	H.DUTY, ROTATED OUTPUT	L=267 110104 L=302 110304	ENG		
	11104K03	185%	152	191	413	80	INCL	BUILT-IN CLUTCH	L=267 110104 L=302 110304	ENG		
	11123K03	162%	133	167	413	80	INCL		L=265 110204 L=300 110504	ENG		
	11107KXXX		[1]: 68 [2]: 150	[1]: 86 [2]: 189	332 369	64 71	INCL	TWIN OUTPUT [1]=SHAFT 1. [2]=SHAFT 2.	L=265 110204 L=300 110504	(1)ENG/ (2)OPP		

IMPORTANT NOTE: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit.

For complete part numbers, consult the PTO Series section (page 25)

VTO-2214B

VTO-2514B

VVO.07

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1196K03	100%	88	109	609	118	INCL		L=267 110104 L=302 110304	OPP		
	11113K03	130%	114	142	465	97	INCL		L=267 110104 L=302 110304	ENG		
	1198K03	132%	116	144	310	60	INCL		L=267 110104 L=302 110304	ENG		
	11111K03	180%	158	197	361	70	INCL	H.DUTY, ROTATED OUTPUT	L=267 110104 L=302 110304	ENG		
	11104K03	185%	163	202	413	80	INCL	BUILT-IN CLUTCH	L=267 110104 L=302 110304	ENG		
	11123K03	162%	142	177	413	80	INCL		L=265 110204 L=300 110504	ENG		
	11107KXXX		[1]: 73 [2]: 162	[1]: 92 [2]: 201	332 369	64 71	INCL	TWIN OUTPUT [1]=SHAFT 1. [2]=SHAFT 2.	L=265 110204 L=300 110504	(1)ENG/ (2)OPP		

IMPORTANT NOTE: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit.

ATO-2512C ATO-2612D

ATO-2612F ATO-3112C

ATO-3112D VO-2512AT

VO-3112AT VTO-2512C

VTO-3112C

VVO.08

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1196K03	100%	90	115	609	118	INCL		L=229 116504	OPP		
	11113K03	130%	117	150	465	97	INCL		L=229 116504	ENG		
	1198K03	132%	119	152	310	60	INCL		L=229 116504	ENG		
	11111K03	180%	162	208	361	70	INCL	H.DUTY, ROTATED OUTPUT	L=229 116504	ENG		
	11104K03	185%	167	213	413	80	INCL	BUILT-IN CLUTCH	L=229 116504	ENG		
	11123K03	162%	146	187	413	80	INCL		L=227 116704	ENG		
	11107KXXX		[1]: 76 [2]: 166	[1]: 97 [2]: 212	332 369	64 71	INCL	TWIN OUTPUT [1]=SHAFT 1. [2]=SHAFT 2.	L=227 116704	(1)ENG/ (2)OPP		

IMPORTANT NOTE: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit.

For complete part numbers, consult the PTO Series section (page 25)

DT-2412C

VVO.09

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1196K03	100%	70	88	609	118	INCL		L=229 116504	OPP		
	11113K03	130%	91	114	465	97	INCL		L=229 116504	ENG		
	1198K03	132%	92	116	310	60	INCL		L=229 116504	ENG		
	11111K03	180%	126	158	361	70	INCL	H.DUTY, ROTA- TED OUTPUT	L=229 116504	ENG		
	11104K03	185%	130	163	413	80	INCL	BUILT-IN CLUTCH	L=229 116504	ENG		
	11123K03	162%	113	142	413	80	INCL		L=227 116704	ENG		
	11107KXXX		[1]: 59 [2]: 129	[1]: 74 [2]: 161	332 369	64 71	INCL	TWIN OUTPUT [1]=SHAFT 1. [2]=SHAFT 2.	L=227 116704	(1)ENG/ (2)OPP		

IMPORTANT NOTE: All shown references are Base PTO Kits. For a full PTO is also required an adapter shaft kit.

R-70

VVO.11

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	110603	100%	111		229	60	INCL			ENG		

SR-70

VVO.13

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	110603	100%	111		229	60	INCL			ENG		

For complete part numbers, consult the PTO Series section (page 25)

R-51

R-52

SR-52

VVO.14

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
110203		100%	76		229	60	INCL			ENG		

//////////////////////////////////// For complete part numbers, consult the PTO Series section (page 25) //////////////////////////////////////

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T-19A	447
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T-98-1R	447
T-98-1V	447
T-98A	447

EXAMPLE:

Pto Series

Internal Ratio

Input Gear

Output Type

1000

X

N

39

1

RA

Lube

Shifting

Assy



T-18

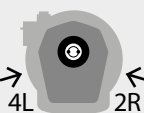
T-19

T-98-1R

T-98-1V

T-98A

WNR.01

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)		36	250	49	INCL	(WNR1,2)		OPP	39	
		C (73)		47	250	49	INCL	(WNR1,2)		OPP	39	
		E (86)		56	225	44	INCL	(WNR1,2)		OPP	39	
		J (95)		61	225	44	INCL	(WNR1,2)		OPP	39	
		O (125)		81	200	39	INCL	(WNR1,2)		OPP	39	
		R (137)		89	200	39	INCL	(WNR1,2)		OPP	39	
		S (150)		97	190	37	INCL	(WNR1,2)		OPP	39	
		T (165)		107	175	34	INCL	(WNR1,2)		OPP	39	
6000		Forward (73)		47	150	30	INCL	(WNR1,2)		BOTH	39	
		Reverse (83)		54	150	30	INCL	(WNR1,2)		BOTH	39	

FOOT NOTES:

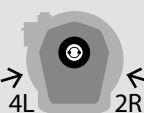
WNR1: Transmission will have only one PTO opening. It may be on the right or left side, but not both.

WNR2: Possible cross-member interference.

T-18B

T-19A

WNR.03

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		46	250	49	INCL	(WNR1,2)		OPP	41	
		C (73)		61	250	49	INCL	(WNR1,2)		OPP	41	
		E (86)		73	225	44	INCL	(WNR1,2)		OPP	41	
		J (95)		80	225	44	INCL	(WNR1,2)		OPP	41	
		O (125)		105	200	39	INCL	(WNR1,2)		OPP	41	
		R (137)		115	200	39	INCL	(WNR1,2)		OPP	41	
		S (150)		126	190	37	INCL	(WNR1,2)		OPP	41	
		T (165)		139	175	34	INCL	(WNR1,2)		OPP	41	

FOOT NOTES:

WNR1: Transmission will have only one PTO opening. It may be on the right or left side, but not both.

WNR2: Possible cross-member interference.

For complete part numbers, consult the PTO Series section (page 25)

Warner

T-18A T-18C T-19D **WNR.04**

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1010		B (55)		50	250	49	INCL	(WNR1,2)		OPP	41	
		C (73)		66	250	49	INCL	(WNR1,2)		OPP	41	
		E (86)		79	225	44	INCL	(WNR1,2)		OPP	41	
		J (95)		86	225	44	INCL	(WNR1,2)		OPP	41	
		O (125)		113	200	39	INCL	(WNR1,2)		OPP	41	
		R (137)		124	200	39	INCL	(WNR1,2)		OPP	41	
		S (150)		136	190	37	INCL	(WNR1,2)		OPP	41	
		T (165)		149	175	34	INCL	(WNR1,2)		OPP	41	

FOOT NOTES:

WNR1: Transmission will have only one PTO opening. It may be on the right or left side, but not both.

WNR2: Possible cross-member interference.

For complete part numbers, consult the PTO Series section (page 25)

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Transmission Model	Pag.	Transmission Model	Pag.
Contenido		12AS2141 TD/15.86-1.0 IT	483
4-120GP/8.05	490	12AS2301 TD/15.86-1.0 IT	483
4-120GP/9.16	486	12AS2301 TO/12.33-0.78 IT	493
4-120GP/10.91	481	12AS2330 TO/12.33-0.78	493
4-150GP/9.19	483	12AS2331 TO/12.33-0.78 IT	493
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6AS800 TO/6.58 - 0.78	462	12AS2740 TO/12.29-0.78	493
6AS1000 TO/6.75 - 0.78	462	12AS2741 TO/12.29-0.78 IT	493
6S-300	470	12AS2940 TO/12.29-0.78	493
6S-350 VD	471	12AS2941 TO/12.29-0.78 IT	493
6S-380 VO	471	12S2100 TD/15.57-1.0	482
6S-400	471	12S2101 TD/15.57-1.0 IT3	482
6S700/6.02-0.79	466	12S2300 TD/15.57-1.0	482
6S800 TO/6.58-0.78(VOLVO ZTO 1006)	462	12S2301 TD/15.57-1.0 IT3	482
6S850/6.72-0.79	494	12S2800 TD/15.57-1.0	482
6S850/8.51-1.0	454	12S2801 TD/15.57-1.0 IT3	482
6S1000 TO/6.75 - 0.78	462	12TX-1410TD/16.69-1.0,	495
6S1200 TD/7.72 - 1.00	462	12TX-1610TD/16.69-1.0,	495
6S1200 TO/6.75 - 0.83	469	12TX-1610TO/12.92-0.77,	496
8S151/13.79	489	12TX-1810TD/16.69-1.0,	495
8S220 TO/11.54-0.84	492	12TX-1810TO/12.92-0.77,	496
8S1620 TD/13.80-1.0	488	12TX-2010TD/16.69-1.0,	495
8S1820 TO/11.54-0.84	492	12TX-2010TO/12.92-0.77,	496
9S75/9.56	486	12TX-2210TD/16.69-1.0,	495
9S75/13.16	468	12TX-2210TO/12.92-0.77,	496
9S109/10.24	479	12TX-2410TO/12.92-0.77,	496
9S109/10.25	479	12TX-2420TD/16.69-1.0,	495
9S109/12.91	472	12TX-2610TO/12.92-0.77,	496
9S109/12.92	473	12TX-2620TD/16.69-1.0,	495
9S1110 TD/12.73	472	12TX-2820TD/16.69-1.0,	495
9S1110 TO/9.48-0.75 (VOLVO ZTO 1109)	490	12TX-2820TO/12.92-0.77,	496
9S1310 TO/9.48	490	12TX-3020TO/12.92-0.77,	496
12AS1010TO	491	12TX-3220TO/12.92-0.77,	496
12AS1210TO	491	12TX-3420TO/12.92-0.77,	496
12AS1420TD	480	16AS2200/15.89-1.0 IT	472
12AS1420TO	491	16AS2230 TD/17.03-1.0	476
12AS1620TO	491	16AS2231 TD/17.03-1.0 IT	476
12AS1630 TD/15.86-1.0	483	16AS2601 TD/17.03-1.0 IT	476
12AS1631 TD/15.86-1.0 IT	483	16AS2601 TO/14.12-0.83	492
12AS1800/14.89-1.0 IT	476	16AS2630 TO/14.12-0.83	492
12AS1930 TD/15.86-1.0	483	16AS2631 TO/14.12-0.83 IT	492
12AS1930 TO/12.33-0.78	493	16S109/11.86	475
12AS1931 TD/15.86-1.0 IT	483	16S109/13.30	481
12AS1931 TO/12.33-0.78 IT	493	16S109/13.31	474
12AS2130 TD/15.86-1.0	483	16S109/13.42	481
12AS2130 TO/12.33-0.78	493	16S109/13.53	480
12AS2131 TD/15.86-1.0 IT	483	16S112/11.46 (TRILOBE)	484
12AS2131 TO/12.33-0.78 IT	493	16S112/13.68 (TRILOBE)	484
12AS2140 TD/15.86-1.0	483	16S130/11.46 (TRILOBE)	483

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16S130/13.80 (TRILOBE)	478	16S2720 TO/13.80-0.84 IT + WSK	489
16S130/14.14 (TRILOBE)	478	16S2721 TO/13.80-0.84 IT	489
16S130/14.29 (TRILOBE)	474	16S2730 TO/13.80-0.84	488
16S130/16.47 (TRILOBE)	478	16S2731 TO/13.80-0.84 IT	489
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16S150/16.47/13.80 (TRILOBE)	479	16TX-1840TO/14.68-0.82,	495
16S151/13.80IT	478	16TX-2040TD/17.94-1.0,	495
16S151/13.80IT (TRILOBE)	477	16TX-2040TO/14.68-0.82,	495
16S151/13.85-0.84	477	16TX-2240TD/17.94-1.0,	495
16S151/13.85-0.84 (TRILOBE)	477	16TX-2240TO/14.68-0.82,	495
16S151/13.85IT	478	16TX-2440TD/17.94-1.0,	495
16S151/16.41IT	478	16TX-2440TO/14.68-0.82,	495
16S151/16.47IT	478	16TX-2640TD/17.94-1.0,	495
16S151/16.53-1.0	477	16TX-2640TO/14.68-0.82,	495
16S151/16.53-1.0 (TRILOBE)	477	16TX-2840TD/17.94-1.0.	495
16S151/16.53IT	478	495	
16S160/11.46 (TRILOBE)	485	16TX-2840TO/14.68-0.82,	495
16S160/13.68 (TRILOBE)	485	16TX-3040TO/14.68-0.82,	495
16S160/14.29 (TRILOBE)	474	16TX-3240TO/14.68-0.82,	495
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16S160A/11.74 (TRILOBE)	484	2840.6	471
16S160A/14.14 (TRILOBE)	479	S5-24/6.34	487
16S160A/17.47 (TRILOBE)	473	S5-24/6.40	487
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16S181/13.85-0.84	477	S5-35/6.45	463
16S181/13.85IT	478	S5-35/6.75	461
16S181/16.41IT	478	S5-35/6.79	471
16S181/16.47IT	478	S5-35/7.65	456
16S181/16.53-1.0	477	S5-35/8.02	455
16S181/16.53IT	478	S5-42/4.65	481
16S190/11.46 (TRILOBE)	484	S5-42/5.72	494
16S190/13.68 (TRILOBE)	485	S5-42/6.56	491
16S190A/11.74 (TRILOBE)	485	S5-42/7.55	492
16S190A/17.47 (TRILOBE)	473	S5-50/5.30	470
16S220/13.80IT (TRILOBE)	477	S5-50/5.50	468
16S220/13.80 (TRILOBE)	485	S5-50/6.20	463
16S220/16.47 (TRILOBE)	485	S5-50/6.61	459
16S220A/14.14 (TRILOBE)	479	S5-50/6.61+GV80/5.30	460
16S221/13.80IT	478	S5-50/8.02	454
16S221/13.80IT (TRILOBE)	477	S5-50/8.02+GV80/6.20	454
16S221/13.85-0.84	477	S5-90GPA	487
16S221/13.85-0.84 (TRILOBE)	477	S6-36/6.06	466
16S221/13.85IT	478	S6-36/6.93-0.8	493
16S221/16.41IT	478	S6-36/7.43-0.85+GV36	458
16S221/16.47IT	478	S6-36/7.43-1.0	459
16S221/16.53-1.0	477	S6-36/8.97-0.83+GV36	453
16S221/16.53-1.0 (TRILOBE)	477	S6-36/8.97-1.0	453
16S221/16.53IT	478	S6-65/6.37	470
16S251IT	478	S6-65/6.70, S6-80/6.7	469
16S1620 TD/16.41-1.0	476	S6-65/7.0+GV70/7.67	452
16S1621 TD/16.41-1.0 IT	476	S6-65/7.40	465
16S1820 TO/13.80-0.84	488	S6-65/7.52	464
16S1821 TO/13.80-0.84 IT	489	S6-65/7.97+GV80/6.70	462
16S1920 TD/16.41-1.0	476	S6-65/9.00	456
16S1921 TD/16.41-1.0 IT	476	S6-65/9.00+GV80/6.70	457
16S2220 TD/16.41-1.0	476	S6-65/9.00+GV80/7.52	456
16S2220 TO/13.80-0.84	488	S6-66/7.36-1.0	461
16S2221 TD/16.41-1.0 IT	476	S6-66/9.06-1.0	453
16S2221 TO/13.80-0.84 IT	489	S6-70/6.8	460
16S2320 TD/16.41-1.0	476	S6-70/6.8+GV70/5.71	460
16S2321 TD/16.41-1.0 IT	476	S6-70/7.36	459
16S2330 TD/16.41-1.0	476	S6-70/7.92	455
16S2331 TD/16.41-1.0 IT	476	S6-70/9.03	452
16S2520 TO/13.80-0.84	488	S6-70/9.59	452

Transmission Model	Pag.
S6-75/6.70+GV80/7.52	464
S6-80/5.03	480
S6-80/5.66	473
S6-80/5.66+GV80/7.52	465
S6-80/6.7+GV80/5.30	469
S6-80/6.10	472
S6-80/6.90	461
S6-80/7.35	464
S6-80/7.41	465
S6-80/7.53	464
S6-80/7.67	462
S6-80/7.67+GV80/6.7	463
S6-80/7.90	493
S6-80/9.00	455
S6-80/9.00+GV80/5.30	457
S6-80/9.00+GV80/7.48	457
S6-80/9.00+GV80/7.52	456
S6-90/5.67	475
S6-90/5.74	473
S6-90/6.37	473
S6-90/6.98	468
S6-90/7.03	467
S6-90/7.03+GV90/5.67	467
S6-90/7.03+GV90/5.74	467
S6-90/7.40	466
S6-90/9.01	458
S6-90/9.01+GV90/7.40	458

S6-70/9.59

ZDF.01

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	36		609	118	INCL			OPP		
	1021903	126%	45		516	100	INCL			ENG		
	1010K03	132%	48		310	60	INCL			ENG		
	102K003	180%	65		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	55		310	60	INCL	ROTATED OUTPUT		ENG		

S6-65/7.0+GV70/7.67

ZDF.02

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	36	46	609	118	INCL			OPP		
	1021903	126%	45	58	516	100	INCL			ENG		
	1010K03	132%	48	61	310	60	INCL			ENG		
	102K003	180%	65	83	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	55	70	310	60	INCL	ROTATED OUTPUT		ENG		

S6-70/9.03

ZDF.03

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	39		609	118	INCL			OPP		
	1021903	126%	49		516	100	INCL			ENG		
	1010K03	132%	51		310	60	INCL			ENG		
	102K003	180%	70		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	60		310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

S6-36/8.97-0.83+GV36

ZDF.04

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1022603	100%	39	48	435	84	INCL			OPP		
	1027203	126%	49	60	435	84	INCL			ENG		
	109903	132%	51	63	310	60	INCL			ENG		
	1030903	180%	70	87	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026603	153%	60	73	310	60	INCL	ROTATED OUTPUT		ENG		

S6-36/8.97-1.0

ZDF.05

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1022603	100%	40		435	84	INCL			OPP		
	1027203	126%	50		435	84	INCL			ENG		
	109903	132%	53		310	60	INCL			ENG		
	1030903	180%	72		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026603	153%	61		310	60	INCL	ROTATED OUTPUT		ENG		

S6-66/9.06-1.0

ZDF.06

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	42		609	118	INCL			OPP		
	1021903	126%	53		516	100	INCL			ENG		
	1010K03	132%	55		310	60	INCL			ENG		
	102K003	180%	75		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	64		310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

6S850/8.51-1.0

ZDF.07

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1022603	100%	42		435	84	INCL			OPP		
	1027203	126%	53		435	84	INCL			ENG		
	109903	132%	55		310	60	INCL			ENG		
	1030903	180%	75		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026603	153%	64		310	60	INCL	ROTATED OUTPUT		ENG		

S5-50/8.02+GV80/6.20

ZDF.08

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	42	55	609	118	INCL			OPP		
	1021903	126%	53	69	516	100	INCL			ENG		
	1010K03	132%	55	73	310	60	INCL			ENG		
	102K003	180%	75	99	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	64	84	310	60	INCL	ROTATED OUTPUT		ENG		

S5-50/8.02

ZDF.09

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	42		609	118	INCL			OPP		
	1021903	126%	53		516	100	INCL			ENG		
	1010K03	132%	55		310	60	INCL			ENG		
	102K003	180%	75		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	64		310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

S5-35/8.02

ZDF.10

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1023203	100%	44		444	86	INCL			OPP		
	1011103	132%	58		310	60	INCL			ENG		

S6-70/7.92

ZDF.11

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	44		609	118	INCL			OPP		
	1021903	126%	55		516	100	INCL			ENG		
	1010K03	132%	58		310	60	INCL			ENG		
	102K003	180%	80		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	67		310	60	INCL	ROTATED OUTPUT		ENG		

S6-80/9.00

ZDF.12

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	46		609	118	INCL			OPP		
	1021903	126%	58		516	100	INCL			ENG		
	1010K03	132%	61		310	60	INCL			ENG		
	102K003	180%	83		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	70		310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

S6-65/9.00

ZDF.13

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	46		609	118	INCL			OPP		
	1021903	126%	58		516	100	INCL			ENG		
	1010K03	132%	61		310	60	INCL			ENG		
	102K003	180%	83		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	70		310	60	INCL	ROTATED OUTPUT		ENG		

S5-35/7.65

ZDF.14

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1023203	100%	46		444	86	INCL			OPP		
	1011103	132%	61		310	60	INCL			ENG		

S6-65/9.00+GV80/7.52 S6-80/9.00+GV80/7.52

ZDF.15

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	46	55	609	118	INCL			OPP		
	1021903	126%	58	69	516	100	INCL			ENG		
	1010K03	132%	61	73	310	60	INCL			ENG		
	102K003	180%	83	99	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	70	84	310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

S6-80/9.00+GV80/7.48

ZDF.16

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	46	56	609	118	INCL			OPP		
	1021903	126%	58	71	516	100	INCL			ENG		
	1010K03	132%	61	74	310	60	INCL			ENG		
	102K003	180%	83	100	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	70	86	310	60	INCL	ROTATED OUTPUT		ENG		

S6-65/9.00+GV80/6.70

ZDF.17

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	46	62	609	118	INCL			OPP		
	1021903	126%	58	78	516	100	INCL			ENG		
	1010K03	132%	61	82	310	60	INCL			ENG		
	102K003	180%	83	112	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	70	95	310	60	INCL	ROTATED OUTPUT		ENG		

S6-80/9.00+GV80/5.30

ZDF.18

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	46	79	609	118	INCL			OPP		
	1021903	126%	58	100	516	100	INCL			ENG		
	1010K03	132%	61	104	310	60	INCL			ENG		
	102K003	180%	83	142	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	70	121	310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

S6-90/9.01

ZDF.19

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	47		609	118	INCL			OPP		
	1021903	126%	59		516	100	INCL			ENG		
	1010K03	132%	62		310	60	INCL			ENG		
	102K003	180%	85		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	72		310	60	INCL	ROTATED OUTPUT		ENG		

S6-90/9.01+GV90/7.40

ZDF.20

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	47	57	609	118	INCL			OPP		
	1021903	126%	59	72	516	100	INCL			ENG		
	1010K03	132%	62	75	310	60	INCL			ENG		
	102K003	180%	85	103	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	72	87	310	60	INCL	ROTATED OUTPUT		ENG		

S6-36/7.43-0.85+GV36

ZDF.21

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1022603	100%	48	56	435	84	INCL			OPP		
	1027203	126%	60	71	435	84	INCL			ENG		
	109903	132%	63	74	310	60	INCL			ENG		
	1030903	180%	87	100	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026603	153%	73	86	310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

S6-70/7.36

ZDF.22

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	48		609	118	INCL			OPP		
	1021903	126%	60		516	100	INCL			ENG		
	1010K03	132%	63		310	60	INCL			ENG		
	102K003	180%	87		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	73		310	60	INCL	ROTATED OUTPUT		ENG		

S6-36/7.43-1.0

ZDF.23

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1022603	100%	48		435	84	INCL			OPP		
	1027203	126%	60		435	84	INCL			ENG		
	109903	132%	63		310	60	INCL			ENG		
	1030903	180%	87		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026603	153%	73		310	60	INCL	ROTATED OUTPUT		ENG		

S5-50/6.61

ZDF.25

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	51		609	118	INCL			OPP		
	1021903	126%	64		516	100	INCL			ENG		
	1010K03	132%	67		310	60	INCL			ENG		
	102K003	180%	92		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	78		310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

S5-50/6.61+GV80/5.30

ZDF.26

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	51	64	609	118	INCL			OPP		
	1021903	126%	64	81	516	100	INCL			ENG		
	1010K03	132%	67	84	310	60	INCL			ENG		
	102K003	180%	92	115	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	78	98	310	60	INCL	ROTATED OUTPUT		ENG		

S6-70/6.8

ZDF.27

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	51		609	118	INCL			OPP		
	1021903	126%	64		516	100	INCL			ENG		
	1010K03	132%	67		310	60	INCL			ENG		
	102K003	180%	92		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	78		310	60	INCL	ROTATED OUTPUT		ENG		

S6-70/6.8+GV70/5.71

ZDF.28

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	51	61	609	118	INCL			OPP		
	1021903	126%	64	77	516	100	INCL			ENG		
	1010K03	132%	67	81	310	60	INCL			ENG		
	102K003	180%	92	110	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	78	93	310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

S6-80/6.90

ZDF.29

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	52		609	118	INCL			OPP		
	1021903	126%	66		516	100	INCL			ENG		
	1010K03	132%	69		310	60	INCL			ENG		
	102K003	180%	93		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	80		310	60	INCL	ROTATED OUTPUT		ENG		

S6-66/7.36-1.0

ZDF.30

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	52		609	118	INCL			OPP		
	1021903	126%	66		516	100	INCL			ENG		
	1010K03	132%	69		310	60	INCL			ENG		
	102K003	180%	93		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	80		310	60	INCL	ROTATED OUTPUT		ENG		

S5-35/6.75

ZDF.31

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1023203	100%	52		444	86	INCL			OPP		
	1011103	132%	69		310	60	INCL			ENG		

For complete part numbers, consult the PTO Series section (page 25)

S6-65/7.97+GV80/6.70

ZDF.32

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	52	62	609	118	INCL			OPP		
	1021903	126%	66	78	516	100	INCL			ENG		
	1010K03	132%	69	82	310	60	INCL			ENG		
	102K003	180%	93	112	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	80	95	310	60	INCL	ROTATED OUTPUT		ENG		

6AS1000 TO/6.75 - 0.78 6AS800 TO/6.58 - 0.78 6S1000 TO/6.75 - 0.78 6S800 TO/6.58-0.78(VOLVO ZTO 1006)

ZDF.33

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	53		609	118	INCL			OPP		
	1021903	126%	67		516	100	INCL			ENG		
	1010K03	132%	70		310	60	INCL			ENG		
	102K003	180%	95		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	81		310	60	INCL	ROTATED OUTPUT		ENG		

6S1200 TD/7.72 - 1.00 S6-80/7.67

ZDF.35

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	54		609	118	INCL			OPP		
	1021903	126%	68		516	100	INCL			ENG		
	1010K03	132%	71		310	60	INCL			ENG		
	102K003	180%	97		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	83		310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

S6-80/7.67+GV80/6.7

ZDF.36

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	54	62	609	118	INCL			OPP		
	1021903	126%	68	78	516	100	INCL			ENG		
	1010K03	132%	71	82	310	60	INCL			ENG		
	102K003	180%	97	112	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	83	95	310	60	INCL	ROTATED OUTPUT		ENG		

S5-50/6.20

ZDF.37

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	55		609	118	INCL			OPP		
	1021903	126%	69		516	100	INCL			ENG		
	1010K03	132%	73		310	60	INCL			ENG		
	102K003	180%	99		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	84		310	60	INCL	ROTATED OUTPUT		ENG		

S5-35/6.45

ZDF.38

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1023203	100%	55		444	86	INCL			OPP		
	1011103	132%	73		310	60	INCL			ENG		

For complete part numbers, consult the PTO Series section (page 25)

S6-80/7.35

ZDF.39

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	55		609	118	INCL			OPP		
	1021903	126%	69		516	100	INCL			ENG		
	1010K03	132%	73		310	60	INCL			ENG		
	102K003	180%	99		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	84		310	60	INCL	ROTATED OUTPUT		ENG		

S6-75/6.70+GV80/7.52

ZDF.40

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	55	62	609	118	INCL			OPP		
	1021903	126%	69	78	516	100	INCL			ENG		
	1010K03	132%	73	82	310	60	INCL			ENG		
	102K003	180%	99	112	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	84	95	310	60	INCL	ROTATED OUTPUT		ENG		

S6-65/7.52

S6-80/7.53

ZDF.41

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	56		609	118	INCL			OPP		
	1021903	126%	71		516	100	INCL			ENG		
	1010K03	132%	74		310	60	INCL			ENG		
	102K003	180%	100		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	86		310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

S6-80/5.66+GV80/7.52

ZDF.42

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	56	74	609	118	INCL			OPP		
	1021903	126%	71	93	516	100	INCL			ENG		
	1010K03	132%	74	98	310	60	INCL			ENG		
	102K003	180%	100	133	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	86	113	310	60	INCL	ROTATED OUTPUT		ENG		

S6-65/7.40

ZDF.43

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	56		609	118	INCL			OPP		
	1021903	126%	71		516	100	INCL			ENG		
	1010K03	132%	74		310	60	INCL			ENG		
	102K003	180%	100		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	86		310	60	INCL	ROTATED OUTPUT		ENG		

S6-80/7.41

ZDF.44

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	56		609	118	INCL			OPP		
	1021903	126%	71		516	100	INCL			ENG		
	1010K03	132%	74		310	60	INCL			ENG		
	102K003	180%	100		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	86		310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

6AS700/6.02-0.79

6S700/6.02-0.79

ZDF.45

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1022603	100%	57		435	84	INCL			OPP		
	1027203	126%	72		435	84	INCL			ENG		
	109903	132%	75		310	60	INCL			ENG		
	1030903	180%	103		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026603	153%	87		310	60	INCL	ROTATED OUTPUT		ENG		

S6-90/7.40

ZDF.46

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	57		609	118	INCL			OPP		
	1021903	126%	72		516	100	INCL			ENG		
	1010K03	132%	75		310	60	INCL			ENG		
	102K003	180%	103		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	87		310	60	INCL	ROTATED OUTPUT		ENG		

S6-36/6.06

ZDF.48

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1022603	100%	58		435	84	INCL			OPP		
	1027203	126%	73		435	84	INCL			ENG		
	109903	132%	77		310	60	INCL			ENG		
	1030903	180%	105		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026603	153%	89		310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

S6-90/7.03+GV90/5.74

ZDF.49

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	60	74	609	118	INCL			OPP		
	1021903	126%	76	93	516	100	INCL			ENG		
	1010K03	132%	79	98	310	60	INCL			ENG		
	102K003	180%	108	133	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	92	113	310	60	INCL	ROTATED OUTPUT		ENG		

S6-90/7.03

ZDF.50

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	60		609	118	INCL			OPP		
	1021903	126%	76		516	100	INCL			ENG		
	1010K03	132%	79		310	60	INCL			ENG		
	102K003	180%	108		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	92		310	60	INCL	ROTATED OUTPUT		ENG		

S6-90/7.03+GV90/5.67

ZDF.51

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	60	75	609	118	INCL			OPP		
	1021903	126%	76	94	516	100	INCL			ENG		
	1010K03	132%	79	99	310	60	INCL			ENG		
	102K003	180%	108	135	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	92	115	310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

9S75/13.16

ZDF.52

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	61		609	118	8028733		1011204	OPP		
	1021903	126%	77		516	100	8040033		1011204	ENG		
	1010K03	132%	81		310	60	8011833		1011204	ENG		
	102K003	180%	110		361	70	8047633	HEAVY DUTY, ROTATED OUTPUT	1011204	ENG		
	1026003	153%	93		310	60	8038733	ROTATED OUTPUT	1011204	ENG		

S6-90/6.98

ZDF.53

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	61		609	118	INCL			OPP		
	1021903	126%	77		516	100	INCL			ENG		
	1010K03	132%	81		310	60	INCL			ENG		
	102K003	180%	110		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	93		310	60	INCL	ROTATED OUTPUT		ENG		

S5-50/5.50

ZDF.54

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	62		609	118	INCL			OPP		
	1021903	126%	78		516	100	INCL			ENG		
	1010K03	132%	82		310	60	INCL			ENG		
	102K003	180%	112		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	95		310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

6S1200 TO/6.75 - 0.83 S6-65/6.70, S6-80/6.7

ZDF.55

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	62		609	118	INCL			OPP		
	1021903	126%	78		516	100	INCL			ENG		
	1010K03	132%	82		310	60	INCL			ENG		
	102K003	180%	112		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	95		310	60	INCL	ROTATED OUTPUT		ENG		

S6-80/6.7+GV80/5.30

ZDF.56

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	62	79	609	118	INCL			OPP		
	1021903	126%	78	100	516	100	INCL			ENG		
	1010K03	132%	82	104	310	60	INCL			ENG		
	102K003	180%	112	142	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	95	121	310	60	INCL	ROTATED OUTPUT		ENG		

S5-35/5.64

ZDF.57

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1023203	100%	63		444	86	INCL			OPP		
	1011103	132%	83		310	60	INCL			ENG		

For complete part numbers, consult the PTO Series section (page 25)

S6-65/6.37

ZDF.58

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	65		609	118	INCL			OPP		
	1021903	126%	82		516	100	INCL			ENG		
	1010K03	132%	86		310	60	INCL			ENG		
	102K003	180%	117		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	99		310	60	INCL	ROTATED OUTPUT		ENG		

S5-50/5.30

ZDF.59

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	65		609	118	INCL			OPP		
	1021903	126%	82		516	100	INCL			ENG		
	1010K03	132%	86		310	60	INCL			ENG		
	102K003	180%	117		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	99		310	60	INCL	ROTATED OUTPUT		ENG		

6S-300

ZDF.60

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015503	176%	118		184	36	INCL	MECHANIC		OPP		
	1018303	176%	118		184	36	INCL	PNEUMATIC		OPP		

For complete part numbers, consult the PTO Series section (page 25)

6S-350 VD

ZDF.61

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1019303	176%	118		184	36	INCL	MECHANIC		OPP		
	1019403	176%	118		184	36	INCL	PNEUMATIC		OPP		

S5-35/6.79

ZDF.62

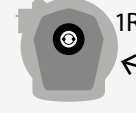
	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1023203	100%	67		444	86	INCL			OPP		
	1011103	132%	88		310	60	INCL			ENG		

2840.6

6S-380 VO

6S-400

ZDF.63

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1019903	182%	68		184	36	INCL	MECHANIC		OPP		
	1020003	182%	68		184	36	INCL	PNEUMATIC		OPP		
	1020703	182%	68		184	36	INCL	MECHANIC		OPP		
	1021203	182%	68		184	36	INCL	PNEUMATIC		OPP		

For complete part numbers, consult the PTO Series section (page 25)

S6-80/6.10

ZDF.64

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	69		609	118	INCL			OPP		
	1021903	126%	87		516	100	INCL			ENG		
	1010K03	132%	91		310	60	INCL			ENG		
	102K003	180%	125		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	106		310	60	INCL	ROTATED OUTPUT		ENG		

16AS2200/15.89-1.0 IT

ZDF.65

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	71		609	118	8028933		1018104	OPP		
	1021903	126%	89		516	100	8039033		1018104	ENG		
	1010K03	132%	94		310	60	8011933		1018104	ENG		
	102K003	180%	128		361	70	8047133	HEAVY DUTY, ROTATED OUTPUT	1018104	ENG		
	1026003	153%	109		310	60	8038933	ROTATED OUTPUT	1018104	ENG		

9S109/12.91

9S1110 TD/12.73

ZDF.66

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	72		609	118	8028733		1011304	OPP		
	1021903	126%	91		516	100	8040033		1011304	ENG		
	1010K03	132%	95		310	60	8011833		1011304	ENG		
	102K003	180%	130		361	70	8047633	HEAVY DUTY, ROTATED OUTPUT	1011304	ENG		
	1026003	153%	110		310	60	8038733	ROTATED OUTPUT	1011304	ENG		

For complete part numbers, consult the PTO Series section (page 25)

9S109/12.92

ZDF.67

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	72		609	118	8028733		103604	OPP		
	1021903	126%	91		516	100	8040033		103604	ENG		
	1010K03	132%	95		310	60	8011833		103604	ENG		
	102K003	180%	130		361	70	8047633	HEAVY DUTY, ROTATED OUTPUT	103604	ENG		
	1026003	153%	110		310	60	8038733	ROTATED OUTPUT	103604	ENG		

S6-80/5.66

S6-90/5.74

S6-90/6.37

ZDF.68

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	74		609	118	INCL			OPP		
	1021903	126%	93		516	100	INCL			ENG		
	1010K03	132%	98		310	60	INCL			ENG		
	102K003	180%	133		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	113		310	60	INCL	ROTATED OUTPUT		ENG		

16S160A/17.47 (TRILOBE)

16S190A/17.47 (TRILOBE)

ZDF.69

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	74	91	609	118	INCL		1010404	OPP		
	1021903	126%	93	115	516	100	INCL		1010404	ENG		
	1010K03	132%	98	120	310	60	INCL		1010404	ENG		
	102K003	180%	133	164	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	1010404	ENG		
	1026003	153%	113	139	310	60	INCL	ROTATED OUTPUT	1010404	ENG		

For complete part numbers, consult the PTO Series section (page 25)

16S130/14.29 (TRILOBE)

16S130/17.06 (TRILOBE)

16S130/17.47 (TRILOBE)

ZDF.70

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	74	91	609	118	INCL		103304	OPP		
	1021903	126%	93	115	516	100	INCL		103304	ENG		
	1010K03	132%	98	120	310	60	INCL		103304	ENG		
	102K003	180%	133	164	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	103304	ENG		
	1026003	153%	113	139	310	60	INCL	ROTATED OUTPUT	103304	ENG		

16S160/14.29 (TRILOBE)

16S160/17.06 (TRILOBE)

ZDF.71

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	74	91	609	118	INCL		103404	OPP		
	1021903	126%	93	115	516	100	INCL		103404	ENG		
	1010K03	132%	98	120	310	60	INCL		103404	ENG		
	102K003	180%	133	164	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	103404	ENG		
	1026003	153%	113	139	310	60	INCL	ROTATED OUTPUT	103404	ENG		

16S109/13.31

ZDF.72

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	75	90	609	118	8028733		1011304	OPP		
	1021903	126%	95	113	516	100	8040033		1011304	ENG		
	1010K03	132%	99	119	310	60	8011833		1011304	ENG		
	102K003	180%	135	162	361	70	8047633	HEAVY DUTY, ROTATED OUTPUT	1011304	ENG		
	1026003	153%	115	138	310	60	8038733	ROTATED OUTPUT	1011304	ENG		

For complete part numbers, consult the PTO Series section (page 25)

S6-90/5.67

ZDF.73

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	75		609	118	INCL			OPP		
	1021903	126%	94		516	100	INCL			ENG		
	1010K03	132%	99		310	60	INCL			ENG		
	102K003	180%	135		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	115		310	60	INCL	ROTATED OUTPUT		ENG		

16S109/11.86

ZDF.74

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	75	88	609	118	8028733		103504	OPP		
	1021903	126%	95	111	516	100	8040033		103504	ENG		
	1010K03	132%	99	116	310	60	8011833		103504	ENG		
	102K003	180%	135	158	361	70	8047633	HEAVY DUTY, ROTATED OUTPUT	103504	ENG		
	1026003	153%	115	135	310	60	8038733	ROTATED OUTPUT	103504	ENG		

5S-270 VO

ZDF.75

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1019503	173%	130		125	36	INCL	MECHANIC		OPP		 1R ←
	1019703	173%	130		125	36	INCL	PNEUMATIC		OPP		

For complete part numbers, consult the PTO Series section (page 25)

12AS1800/14.89-1.0 IT 16AS2230 TD/17.03-1.0 16AS2231 TD/17.03-1.0 IT 16AS2601 TD/17.03-1.0 IT

ZDF.76

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	76		609	118	8028933		1018104	OPP		
	1021903	126%	96		516	100	8039033		1018104	ENG		
	1010K03	132%	100		310	60	8011933		1018104	ENG		
	102K003	180%	137		361	70	8047133	HEAVY DUTY, ROTATED OUTPUT	1018104	ENG		
	1026003	153%	116		310	60	8038933	ROTATED OUTPUT	1018104	ENG		

16S1620 TD/16.41-1.0 16S2220 TD/16.41-1.0 16S2330 TD/16.41-1.0
16S1920 TD/16.41-1.0 16S2320 TD/16.41-1.0**ZDF.77**

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	77	91	609	118	INCL		1012704	OPP		
	1021903	126%	97	115	516	100	INCL		1012704	ENG		
	1010K03	132%	102	120	310	60	INCL		1012704	ENG		
	102K003	180%	138	164	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	1012704	ENG		
	1026003	153%	118	139	310	60	INCL	ROTATED OUTPUT	1012704	ENG		

16S1621 TD/16.41-1.0 IT 16S2221 TD/16.41-1.0 16S2321 TD/16.41-1.0 IT
16S1921 TD/16.41-1.0 IT 16S2331 TD/16.41-1.0 IT**ZDF.78**

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	77	91	609	118	8028433		1013004	OPP		
	1021903	126%	97	115	516	100	8036633		1013004	ENG		
	1010K03	132%	102	120	310	60	8011633		1013004	ENG		
	102K003	180%	138	164	361	70	8047733	HEAVY DUTY, ROTATED OUTPUT	1013004	ENG		
	1026003	153%	118	139	310	60	8038833	ROTATED OUTPUT	1013004	ENG		

For complete part numbers, consult the PTO Series section (page 25)

16S151/13.80IT (TRILOBE)**16S220/13.80IT (TRILOBE)****16S221/13.80IT (TRILOBE)****ZDF.79**

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	77	92	609	118	INCL		1010304	OPP		
	1021903	126%	97	116	516	100	INCL		1010304	ENG		
	1010K03	132%	102	121	310	60	INCL		1010304	ENG		
	102K003	180%	138	165	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	1010304	ENG		
	1026003	153%	118	141	310	60	INCL	ROTATED OUTPUT	1010304	ENG		

16S151/13.85-0.84 (TRILOBE)**16S221/13.85-0.84 (TRILOBE)****16S151/16.53-1.0 (TRILOBE)****16S221/16.53-1.0 (TRILOBE)****ZDF.80**

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	77	92	609	118	INCL		1011004	OPP		
	1021903	126%	97	116	516	100	INCL		1011004	ENG		
	1010K03	132%	102	121	310	60	INCL		1011004	ENG		
	102K003	180%	138	165	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	1011004	ENG		
	1026003	153%	118	141	310	60	INCL	ROTATED OUTPUT	1011004	ENG		

16S151/13.85-0.84**16S181/13.85-0.84****16S221/13.85-0.84****16S151/16.53-1.0****16S181/16.53-1.0****16S221/16.53-1.0****ZDF.81**

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	77	92	609	118	INCL		1012704	OPP		
	1021903	126%	97	116	516	100	INCL		1012704	ENG		
	1010K03	132%	102	121	310	60	INCL		1012704	ENG		
	102K003	180%	138	165	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	1012704	ENG		
	1026003	153%	118	141	310	60	INCL	ROTATED OUTPUT	1012704	ENG		

For complete part numbers, consult the PTO Series section (page 25)

16S151/13.80IT
16S151/13.85IT
16S151/16.41IT

16S151/16.47IT
16S151/16.53IT
16S181/13.80IT

16S181/13.85IT
16S181/16.41IT
16S181/16.47IT

16S181/16.53IT
16S221/13.80IT
16S221/13.85IT

16S221/16.41IT
16S221/16.47IT
16S221/16.53IT

ZDF.82

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	77	92	609	118	8028433		1013004	OPP		
	1021903	126%	97	116	516	100	8036633		1013004	ENG		
	1010K03	132%	102	121	310	60	8011633		1013004	ENG		
	102K003	180%	138	165	361	70	8047733	HEAVY DUTY, ROTATED OUTPUT	1013004	ENG		
	1026003	153%	118	141	310	60	8038833	ROTATED OUTPUT	1013004	ENG		

16S251IT

ZDF.83

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	77	92	609	118	8028433		1014504	OPP		
	1021903	126%	97	116	516	100	8036633		1014504	ENG		
	1010K03	132%	102	121	310	60	8011633		1014504	ENG		
	102K003	180%	138	165	361	70	8047733	HEAVY DUTY, ROTATED OUTPUT	1014504	ENG		
	1026003	153%	118	141	310	60	8038833	ROTATED OUTPUT	1014504	ENG		

16S130/13.80 (TRILOBE)

16S130/14.14 (TRILOBE)

16S130/16.47 (TRILOBE)

ZDF.84

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	77	92	609	118	INCL		103304	OPP		
	1021903	126%	97	116	516	100	INCL		103304	ENG		
	1010K03	132%	102	121	310	60	INCL		103304	ENG		
	102K003	180%	138	165	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	103304	ENG		
	1026003	153%	118	141	310	60	INCL	ROTATED OUTPUT	103304	ENG		

For complete part numbers, consult the PTO Series section (page 25)

9S109/10.24

9S109/10.25

ZDF.85

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	77		609	118	8028733		103504	OPP		
	1021903	126%	97		516	100	8040033		103504	ENG		
	1010K03	132%	102		310	60	8011833		103504	ENG		
	102K003	180%	138		361	70	8047633	HEAVY DUTY, ROTATED OUTPUT	103504	ENG		
	1026003	153%	118		310	60	8038733	ROTATED OUTPUT	103504	ENG		

16S160A/14.14 (TRILOBE)

16S220A/14.14 (TRILOBE)

ZDF.86

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	77	92	609	118	INCL		1010404	OPP		
	1021903	126%	97	116	516	100	INCL		1010404	ENG		
	1010K03	132%	102	121	310	60	INCL		1010404	ENG		
	102K003	180%	138	165	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	1010404	ENG		
	1026003	153%	118	141	310	60	INCL	ROTATED OUTPUT	1010404	ENG		

16S150/16.47/13.80 (TRILOBE)

ZDF.87

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	77	92	609	118	INCL		1010904	OPP		
	1021903	126%	97	116	516	100	INCL		1010904	ENG		
	1010K03	132%	102	121	310	60	INCL		1010904	ENG		
	102K003	180%	138	165	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	1010904	ENG		
	1026003	153%	118	141	310	60	INCL	ROTATED OUTPUT	1010904	ENG		

For complete part numbers, consult the PTO Series section (page 25)

S6-80/5.03

ZDF.88

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	78		609	118	INCL			OPP		
	1021903	126%	98		516	100	INCL			ENG		
	1010K03	132%	103		310	60	INCL			ENG		
	102K003	180%	140		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	119		310	60	INCL	ROTATED OUTPUT		ENG		

12AS1420TD

ZDF.89

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	79	98	609	118	8028733		1021604	OPP		
	1021903	126%	100	123	516	100	8040033		1021604	ENG		
	1010K03	132%	104	129	310	60	8011833		1021604	ENG		
	102K003	180%	142	177	361	70	8047633	HEAVY DUTY, ROTATED OUTPUT	1021604	ENG		
	1026003	153%	121	150	310	60	8038733	ROTATED OUTPUT	1021604	ENG		

16S109/13.53

ZDF.90

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	79	93	609	118	8028733		103504	OPP		
	1021903	126%	100	117	516	100	8040033		103504	ENG		
	1010K03	132%	104	123	310	60	8011833		103504	ENG		
	102K003	180%	142	167	361	70	8047633	HEAVY DUTY, ROTATED OUTPUT	103504	ENG		
	1026003	153%	121	142	310	60	8038733	ROTATED OUTPUT	103504	ENG		

For complete part numbers, consult the PTO Series section (page 25)

16S109/13.30

16S109/13.42

ZDF.91

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	79	93	609	118	8028733		103604	OPP		
	1021903	126%	100	117	516	100	8040033		103604	ENG		
	1010K03	132%	104	123	310	60	8011833		103604	ENG		
	102K003	180%	142	167	361	70	8047633	HEAVY DUTY, ROTATED OUTPUT	103604	ENG		
	1026003	153%	121	142	310	60	8038733	ROTATED OUTPUT	103604	ENG		

4-120GP/10.91

ZDF.92

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	80		609	118	INCL		102904	OPP		
	1021903	126%	101		516	100	INCL		102904	ENG		
	1010K03	132%	106		310	60	INCL		102904	ENG		
	102K003	180%	144		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	102904	ENG		
	1026003	153%	122		310	60	INCL	ROTATED OUTPUT	102904	ENG		

S5-42/4.65

ZDF.93

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)			250	49	INCL	ENGLAND	GA6032	OPP	52	
		C (73)		60	250	49	INCL	ENGLAND	GA6032	OPP	52	
		E (86)		71	225	44	INCL	ENGLAND	GA6032	OPP	52	
		J (95)		78	225	44	INCL	ENGLAND	GA6032	OPP	52	
		O (125)		103	200	39	INCL	ENGLAND	GA6032	OPP	52	
		R (137)		113	200	39	INCL	ENGLAND	GA6032	OPP	52	
		S (150)		124	190	37	INCL	ENGLAND	GA6032	OPP	52	
		T (165)		136	175	34	INCL	ENGLAND	GA6032	OPP	52	

For complete part numbers, consult the PTO Series section (page 25)

12S2100 TD/15.57-1.0 12S2300 TD/15.57-1.0 12S2800 TD/15.57-1.0

ZDF.94

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	81	103	609	118	INCL		1012704	OPP		
	1021903	126%	102	130	516	100	INCL		1012704	ENG		
	1010K03	132%	107	136	310	60	INCL		1012704	ENG		
	102K003	180%	145	185	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	1012704	ENG		
	1026003	153%	124	158	310	60	INCL	ROTATED OUTPUT	1012704	ENG		

12S2101 TD/15.57-1.0 IT3

12S2301 TD/15.57-1.0 IT3

12S2801 TD/15.57-1.0 IT3

ZDF.95

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	81	103	609	118	8028433		1013004	OPP		
	1021903	126%	102	130	516	100	8036633		1013004	ENG		
	1010K03	132%	107	136	310	60	8011633		1013004	ENG		
	102K003	180%	145	185	361	70	8047733	HEAVY DUTY, ROTATED OUTPUT	1013004	ENG		
	1026003	153%	124	158	310	60	8038833	ROTATED OUTPUT	1013004	ENG		

12AS2531 TO/15.86- 1.0

ZDF.96

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	82		609	118	8028933		1025404	OPP		
	1021903	126%	103		516	100	8039033		1025404	ENG		
	1010K03	132%	108		310	60	8011933		1025404	ENG		
	102K003	180%	148		361	70	8047133	HEAVY DUTY, ROTATED OUTPUT	1025404	ENG		
	1026003	153%	125		310	60	8038933	ROTATED OUTPUT	1025404	ENG		

For complete part numbers, consult the PTO Series section (page 25)

12AS1630 TD/15.86-1.0
 12AS1631 TD/15.86-1.0 IT
 12AS1930 TD/15.86-1.0
 12AS1931 TD/15.86-1.0 IT
 12AS2130 TD/15.86-1.0

12AS2131 TD/15.86-1.0 IT
 12AS2140 TD/15.86-1.0
 12AS2141 TD/15.86-1.0 IT
 12AS2301 TD/15.86-1.0 IT
 12AS2340 TD/15.86-1.0

12AS2341 TD/15.86-1.0 IT
 12AS2430 TD/15.86-1.0
 12AS2431 TD/15.86-1.0 IT
 12AS2540 TD/15.86-1.0

ZDF.97

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	82		609	118	8028933		1018104	OPP		
	1021903	126%	103		516	100	8039033		1018104	ENG		
	1010K03	132%	108		310	60	8011933		1018104	ENG		
	102K003	180%	148		361	70	8047133	HEAVY DUTY, ROTATED OUTPUT	1018104	ENG		
	1026003	153%	125		310	60	8038933	ROTATED OUTPUT	1018104	ENG		

16S130/11.46 (TRILOBE)

16S130/11.74 (TRILOBE)

16S130/13.68 (TRILOBE)

ZDF.98

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	82	97	609	118	INCL		103304	OPP		
	1021903	126%	103	122	516	100	INCL		103304	ENG		
	1010K03	132%	108	128	310	60	INCL		103304	ENG		
	102K003	180%	148	175	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	103304	ENG		
	1026003	153%	125	148	310	60	INCL	ROTATED OUTPUT	103304	ENG		

4-150GP/9.19

5-111GP/13.04

ZDF.99

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	82		609	118	INCL		103004	OPP		
	1021903	126%	103		516	100	INCL		103004	ENG		
	1010K03	132%	108		310	60	INCL		103004	ENG		
	102K003	180%	148		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	103004	ENG		
	1026003	153%	125		310	60	INCL	ROTATED OUTPUT	103004	ENG		

For complete part numbers, consult the PTO Series section (page 25)

16S190/11.46 (TRILOBE)

ZDF.100

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	82	96	609	118	INCL		103404	OPP		
	1021903	126%	103	121	516	100	INCL		103404	ENG		
	1010K03	132%	108	127	310	60	INCL		103404	ENG		
	102K003	180%	148	173	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	103404	ENG		
	1026003	153%	125	147	310	60	INCL	ROTATED OUTPUT	103404	ENG		

16S160A/11.74 (TRILOBE)

ZDF.101

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	82	96	609	118	INCL		1010404	OPP		
	1021903	126%	103	121	516	100	INCL		1010404	ENG		
	1010K03	132%	108	127	310	60	INCL		1010404	ENG		
	102K003	180%	148	173	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	1010404	ENG		
	1026003	153%	125	147	310	60	INCL	ROTATED OUTPUT	1010404	ENG		

16S112/11.46 (TRILOBE)

16S112/13.68 (TRILOBE)

ZDF.102

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	82	96	609	118	INCL		103204	OPP		
	1021903	126%	103	121	516	100	INCL		103204	ENG		
	1010K03	132%	108	127	310	60	INCL		103204	ENG		
	102K003	180%	148	173	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	103204	ENG		
	1026003	153%	125	147	310	60	INCL	ROTATED OUTPUT	103204	ENG		

For complete part numbers, consult the PTO Series section (page 25)

16S160/11.46 (TRILOBE)
16S160/13.68 (TRILOBE)
16S190/13.68 (TRILOBE)
16S220/13.80 (TRILOBE)
16S220/16.47 (TRILOBE)
ZDF.103

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	82	96	609	118	INCL		103404	OPP		
	1021903	126%	103	121	516	100	INCL		103404	ENG		
	1010K03	132%	108	127	310	60	INCL		103404	ENG		
	102K003	180%	148	173	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	103404	ENG		
	1026003	153%	125	147	310	60	INCL	ROTATED OUTPUT	103404	ENG		

16S190A/11.74 (TRILOBE)
ZDF.104

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	82	97	609	118	INCL		1010404	OPP		
	1021903	126%	103	122	516	100	INCL		1010404	ENG		
	1010K03	132%	108	128	310	60	INCL		1010404	ENG		
	102K003	180%	148	175	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	1010404	ENG		
	1026003	153%	125	148	310	60	INCL	ROTATED OUTPUT	1010404	ENG		

5-110GPA
ZDF.105

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	83		609	118	INCL		103104	OPP		
	1021903	126%	105		516	100	INCL		103104	ENG		
	1010K03	132%	110		310	60	INCL		103104	ENG		
	102K003	180%	150		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	103104	ENG		
	1026003	153%	127		310	60	INCL	ROTATED OUTPUT	103104	ENG		

For complete part numbers, consult the PTO Series section (page 25)

5-110GP/13.1

5-110GP/9.72

ZDF.106

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	83		609	118	INCL		103004	OPP		
	1021903	126%	105		516	100	INCL		103004	ENG		
	1010K03	132%	110		310	60	INCL		103004	ENG		
	102K003	180%	150		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	103004	ENG		
	1026003	153%	127		310	60	INCL	ROTATED OUTPUT	103004	ENG		

9S75/9.56

ZDF.107

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	85		609	118	8028733		1011204	OPP		
	1021903	126%	107		516	100	8040033		1011204	ENG		
	1010K03	132%	112		310	60	8011833		1011204	ENG		
	102K003	180%	153		361	70	8047633	HEAVY DUTY, ROTATED OUTPUT	1011204	ENG		
	1026003	153%	130		310	60	8038733	ROTATED OUTPUT	1011204	ENG		

4-120GP/9.16

ZDF.108

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	85		609	118	INCL		102904	OPP		
	1021903	126%	107		516	100	INCL		102904	ENG		
	1010K03	132%	112		310	60	INCL		102904	ENG		
	102K003	180%	153		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	102904	ENG		
	1026003	153%	130		310	60	INCL	ROTATED OUTPUT	102904	ENG		

For complete part numbers, consult the PTO Series section (page 25)

S5-24/6.40

ZDF.109

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
105003		105%	90		258	50	INCL	PNEUMATIC		OPP		
106903		105%	90		258	50	INCL	MECHANIC		OPP		

S5-24/6.34

ZDF.110

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
105003		105%	90		258	50	INCL	PNEUMATIC		OPP		
106903		105%	90		258	50	INCL	MECHANIC		OPP		

S5-90GPA

ZDF.111

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1015K03		100%	89		609	118	INCL			OPP		
1021903		126%	112		516	100	INCL			ENG		
1010K03		132%	117		310	60	INCL			ENG		
102K003		180%	160		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
1026003		153%	136		310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

5-90GP/13

5-90GP/13.01

ZDF.112

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	89		609	118	INCL		102904	OPP		
	1021903	126%	112		516	100	INCL		102904	ENG		
	1010K03	132%	117		310	60	INCL		102904	ENG		
	102K003	180%	160		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	102904	ENG		
	1026003	153%	136		310	60	INCL	ROTATED OUTPUT	102904	ENG		

8S1620 TD/13.80-1.0

ZDF.113

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	91		609	118	INCL		1012704	OPP		
	1021903	126%	115		516	100	INCL		1012704	ENG		
	1010K03	132%	120		310	60	INCL		1012704	ENG		
	102K003	180%	164		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	1012704	ENG		
	1026003	153%	139		310	60	INCL	ROTATED OUTPUT	1012704	ENG		

16S1820 TO/13.80-0.84
16S2220 TO/13.80-0.8416S2520 TO/13.80-0.84
16S2720 TO/13.80-0.84

16S2730 TO/13.80-0.84

ZDF.114

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	91	109	609	118	INCL		1012704	OPP		
	1021903	126%	115	137	516	100	INCL		1012704	ENG		
	1010K03	132%	120	144	310	60	INCL		1012704	ENG		
	102K003	180%	164	196	361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	1012704	ENG		
	1026003	153%	139	167	310	60	INCL	ROTATED OUTPUT	1012704	ENG		

For complete part numbers, consult the PTO Series section (page 25)

16S1821 TO/13.80-0.84 IT
16S2221 TO/13.80-0.84 IT

16S2521 TO/13.80-0.84 IT
16S2721 TO/13.80-0.84 IT

16S2731 TO/13.80-0.84 IT

ZDF.115

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	91	109	609	118	8028433		1013004	OPP		
	1021903	126%	115	137	516	100	8036633		1013004	ENG		
	1010K03	132%	120	144	310	60	8011633		1013004	ENG		
	102K003	180%	164	196	361	70	8047733	HEAVY DUTY, ROTATED OUTPUT	1013004	ENG		
	1026003	153%	139	167	310	60	8038833	ROTATED OUTPUT	1013004	ENG		

16S2720 TO/13.80-0.84 IT + WSK

ZDF.116

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	91	109	609	118	8028433		1014504	OPP		
	1021903	126%	115	137	516	100	8036633		1014504	ENG		
	1010K03	132%	120	144	310	60	8011633		1014504	ENG		
	102K003	180%	164	196	361	70	8047733	HEAVY DUTY, ROTATED OUTPUT	1014504	ENG		
	1026003	153%	139	167	310	60	8038833	ROTATED OUTPUT	1014504	ENG		

8S151/13.79

ZDF.117

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	92		609	118	INCL		1012704	OPP		
	1021903	126%	116		516	100	INCL		1012704	ENG		
	1010K03	132%	121		310	60	INCL		1012704	ENG		
	102K003	180%	165		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	1012704	ENG		
	1026003	153%	141		310	60	INCL	ROTATED OUTPUT	1012704	ENG		

For complete part numbers, consult the PTO Series section (page 25)

9S1110 TO/9.48-0.75 (VOLVO ZTO 1109)

9S1310 TO/9.48

ZDF.118

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	97		609	118	8028733		1011304	OPP		
	1021903	126%	122		516	100	8040033		1011304	ENG		
	1010K03	132%	128		310	60	8011833		1011304	ENG		
	102K003	180%	175		361	70	8047633	HEAVY DUTY, ROTATED OUTPUT	1011304	ENG		
	1026003	153%	148		310	60	8038733	ROTATED OUTPUT	1011304	ENG		

4-120GP/8.05

ZDF.119

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	97		609	118	INCL		102904	OPP		
	1021903	126%	122		516	100	INCL		102904	ENG		
	1010K03	132%	128		310	60	INCL		102904	ENG		
	102K003	180%	175		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	102904	ENG		
	1026003	153%	148		310	60	INCL	ROTATED OUTPUT	102904	ENG		

5-110GP/11.2

5-110GP/8.20

ZDF.120

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	98		609	118	INCL		103004	OPP		
	1021903	126%	123		516	100	INCL		103004	ENG		
	1010K03	132%	129		310	60	INCL		103004	ENG		
	102K003	180%	177		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	103004	ENG		
	1026003	153%	150		310	60	INCL	ROTATED OUTPUT	103004	ENG		

For complete part numbers, consult the PTO Series section (page 25)

12AS1010TO

12AS1210TO

ZDF.121

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	98	120	609	118	8028733		1020804	OPP		
	1021903	126%	123	151	516	100	8040033		1020804	ENG		
	1010K03	132%	129	158	310	60	8011833		1020804	ENG		
	102K003	180%	177	216	361	70	8047633	HEAVY DUTY, ROTATED OUTPUT	1020804	ENG		
	1026003	153%	150	184	310	60	8038733	ROTATED OUTPUT	1020804	ENG		

12AS1420TO

12AS1620TO

ZDF.122

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	98	120	609	118	8028733		1021604	OPP		
	1021903	126%	123	151	516	100	8040033		1021604	ENG		
	1010K03	132%	129	158	310	60	8011833		1021604	ENG		
	102K003	180%	177	216	361	70	8047633	HEAVY DUTY, ROTATED OUTPUT	1021604	ENG		
	1026003	153%	150	184	310	60	8038733	ROTATED OUTPUT	1021604	ENG		

S5-42/6.56

ZDF.123

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	104703	136%	100		310	60	INCL			OPP		3L → 

For complete part numbers, consult the PTO Series section (page 25)

8S1820 TO/11.54-0.84 8S220 TO/11.54-0.84

ZDF.124

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	109		609	118	INCL		1012704	OPP		
	1021903	126%	137		516	100	INCL		1012704	ENG		
	1010K03	132%	144		310	60	INCL		1012704	ENG		
	102K003	180%	196		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT	1012704	ENG		
	1026003	153%	167		310	60	INCL	ROTATED OUTPUT	1012704	ENG		

16AS2601 TO/14.12-0.83

16AS2630 TO/14.12-0.83

16AS2631 TO/14.12-0.83 IT

ZDF.125

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	111		609	118	8028933		1018104	OPP		
	1021903	126%	140		516	100	8039033		1018104	ENG		
	1010K03	132%	147		310	60	8011933		1018104	ENG		
	102K003	180%	200		361	70	8047133	HEAVY DUTY, ROTATED OUTPUT	1018104	ENG		
	1026003	153%	170		310	60	8038933	ROTATED OUTPUT	1018104	ENG		

S5-42/7.55

ZDF.126

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	104603	139%	100		310	60	INCL			OPP		3L → 

For complete part numbers, consult the PTO Series section (page 25)

12AS1930 TO/12.33-0.78
 12AS1931 TO/12.33-0.78 IT
 12AS2130 TO/12.33-0.78
 12AS2131 TO/12.33-0.78 IT
 12AS2301 TO/12.33-0.78 IT

12AS2330 TO/12.33-0.78
 12AS2331 TO/12.33-0.78 IT
 12AS2530 TO/12.33-0.78
 12AS2531 TO/12.33-0.78 IT
 12AS2540 TO/12.29-0.78

12AS2541 TO/12.29-0.78 IT
 12AS2740 TO/12.29-0.78
 12AS2741 TO/12.29-0.78 IT
 12AS2940 TO/12.29-0.78
 12AS2941 TO/12.29-0.78 IT

ZDF.127

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	135		609	118	8028933		1018104	OPP		
	1021903	126%	170		516	100	8039033		1018104	ENG		
	1010K03	132%	178		310	60	8011933		1018104	ENG		
	102K003	180%	243		361	70	8047133	HEAVY DUTY, ROTATED OUTPUT	1018104	ENG		
	1026003	153%	207		310	60	8038933	ROTATED OUTPUT	1018104	ENG		

S6-36/6.93-0.8

ZDF.128

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1022603	100%	51		435	84	INCL			OPP		
	1027203	126%	64		435	84	INCL			ENG		
	109903	132%	67		310	60	INCL			ENG		
	1030903	180%	92		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026603	153%	78		310	60	INCL	ROTATED OUTPUT		ENG		

S6-80/7.90

ZDF.129

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	52		609	118	INCL			OPP		
	1021903	126%	66		516	100	INCL			ENG		
	1010K03	132%	69		310	60	INCL			ENG		
	102K003	180%	93		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026003	153%	80		310	60	INCL	ROTATED OUTPUT		ENG		

For complete part numbers, consult the PTO Series section (page 25)

6S850/6.72-0.79

ZDF.130

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1022603	100%	53		435	84	INCL			OPP		
	1027203	126%	67		435	84	INCL			ENG		
	109903	132%	70		310	60	INCL			ENG		
	1030903	180%	95		361	70	INCL	HEAVY DUTY, ROTATED OUTPUT		ENG		
	1026603	153%	81		310	60	INCL	ROTATED OUTPUT		ENG		

S5-42/5.72

ZDF.131

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
1000		B (55)			250	49	INCL	(ZF1,2,3)		OPP	21	
		C (73)		68	250	49	INCL	(ZF1,2,3)		OPP	21	
		E (86)		74	225	44	INCL	(ZF1,2,3)		OPP	21	
		J (95)		88	225	44	INCL	(ZF1,2,3)		OPP	21	
		O (125)		116	200	39	INCL	(ZF1,2,3)		OPP	21	
		R (137)		127	200	39	INCL	(ZF1,2,3)		OPP	21	
		S (150)		139	190	37	INCL	(ZF1,2,3)		OPP	21	
		T (165)		153	175	34	INCL	(ZF1,2,3)		OPP	21	

FOOT NOTES:

- ZF1:** Direct mount pump size will be limited by cross-member.
- ZF2:** "Shaft high" assembly arrangement shown for cross-member clearance.
- ZF3:** PTO housing may encounter exhaust interference and may require modification per Ford recommendations.
- ZF4:** Use "3" assembly arrangement for direct mount pump. Pump size is limited by cross-member interference.
- ZF5:** Gas tank may prevent remote mounting of pump on left side.

For complete part numbers, consult the PTO Series section (page 25)

16TX-1640TD/17.94-1.0,
16TX-1840TD/17.94-1.0,
16TX-2040TD/17.94-1.0,

16TX-2240TD/17.94-1.0,
16TX-2440TD/17.94-1.0,
16TX-2640TD/17.94-1.0,

16TX-2840TD/17.94-1.0.

ZDF.132

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	72		609	118	INCL		1028804	ENG		
	1021903	126%	91		516	100	INCL		1028804	OPP		
	1010K03	132%	95		310	60	INCL		1028804	OPP		
	102K003	180%	130		361	70	INCL	H.DUTY, ROTATED OUTPUT	1028804	OPP		
	1026003	153%	110		310	60	INCL	ROTATED OUTPUT	1028804	OPP		

12TX-1410TD/16.69-1.0,
12TX-1610TD/16.69-1.0,
12TX-1810TD/16.69-1.0,

12TX-2010TD/16.69-1.0,
12TX-2210TD/16.69-1.0,
12TX-2420TD/16.69-1.0,

12TX-2620TD/16.69-1.0,
12TX-2820TD/16.69-1.0.

ZDF.133

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	76		609	118	INCL		1028804	ENG		
	1021903	126%	96		516	100	INCL		1028804	OPP		
	1010K03	132%	100		310	60	INCL		1028804	OPP		
	102K003	180%	137		361	70	INCL	H.DUTY, ROTATED OUTPUT	1028804	OPP		
	1026003	153%	116		310	60	INCL	ROTATED OUTPUT	1028804	OPP		

16TX-1840TO/14.68-0.82,
16TX-2040TO/14.68-0.82,
16TX-2240TO/14.68-0.82,

16TX-2440TO/14.68-0.82,
16TX-2640TO/14.68-0.82,
16TX-2840TO/14.68-0.82,

16TX-3040TO/14.68-0.82,
16TX-3240TO/14.68-0.82,
16TX-3440TO/14.68-0.82.

ZDF.134

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	108		609	118	INCL		1028804	ENG		
	1021903	126%	136		516	100	INCL		1028804	OPP		
	1010K03	132%	143		310	60	INCL		1028804	OPP		
	102K003	180%	194		361	70	INCL	H.DUTY, ROTATED OUTPUT	1028804	OPP		
	1026003	153%	165		310	60	INCL	ROTATED OUTPUT	1028804	OPP		

For complete part numbers, consult the PTO Series section (page 25)

12TX-1610TO/12.92-0.77,
12TX-1810TO/12.92-0.77,
12TX-2010TO/12.92-0.77,
12TX-2210TO/12.92-0.77,

12TX-2410TO/12.92-0.77,
12TX-2610TO/12.92-0.77,
12TX-2820TO/12.92-0.77,
12TX-3020TO/12.92-0.77,

12TX-3220TO/12.92-0.77,
12TX-3420TO/12.92-0.77.

ZDF.135

	PTO Series	% Internal Ratio	Engine %		Max. Torque (Lb.Ft)	Power @1000 rpm (HP)	Stud Kit	Notes	Adapters	PTO Rot.	Input Gear	Assy
			Low	High								
	1015K03	100%	126		609	118	INCL		1028804	ENG		
	1021903	126%	159		516	100	INCL		1028804	OPP		
	1010K03	132%	166		310	60	INCL		1028804	OPP		
	102K003	180%	227		361	70	INCL	H.DUTY, ROTATED OUTPUT	1028804	OPP		
	1026003	153%	193		310	60	INCL	ROTATED OUTPUT	1028804	OPP		

//////////////////////////////////// For complete part numbers, consult the PTO Series section (page 25) //////////////////////////////////////

Warranty

Bezares USA, Ltd. Warranties its product to be free of defects in materials and workmanship for a period of one (1) year. Bezares USA, Ltd. Agrees to repair or replace a PTO which has been proven to be defective in material or workmanship within the time period of one (1) year.

All units returned to Bezares USA, Ltd. for inspection must be shipped prepaid freight to our warehouse. Freight collect shipments will not be accepted without prior approval from our management. No product claimed to be defective will be allowed until Bezares USA, Ltd. has had a reasonable opportunity to examine that product.

Bezares USA, Ltd. must be informed prior to any PTO or transmission repair that will be made at any location other than our warehouse. Bezares USA, Ltd. will only authorize a company to proceed with the repair after receiving and approving a repair quotation, or will inform the insurance company to cover the responsibility, otherwise Bezares USA, Ltd. will decline any responsibility for any cost involved in such repair. All goods not returned under these conditions will be automatically rejected.

Bezares USA, Ltd.'s obligation with respect to any defective product is expressly limited to the repair or replacement of its product or at its option allows credit for such product, as herein above provided. Bezares USA, Ltd. will not be responsible in the case of wrong assembly of their units by another party, in the case of damage generated by external causes, in the case of overload, inadequate lubrication, or other problems related with a wrong assembly on a gearbox from pre-owned trucks. Bezares USA, Ltd. makes no warranty as to merchantability or to fitness of its products for a particular purpose or to the results to be obtained from their use by its Distributors, Purchasers, or Others.

Any product, claimed to be defective, must be held for shipping instructions to Bezares USA, Ltd. To better serve you please have all available parts ready for inspection, including all controls, hydraulic shifter, valves, etc. All parts not of Bezares USA, Ltd. origin, will void our warranty. For safety always use quality proven genuine parts from Bezares USA, Ltd.

APPROVED WARRANTY:

When a warranty is approved, we will issue a CREDIT MEMO on account to be used for future purchases. We DO NOT issue cash refunds.

DENIED WARRANTY:

When a warranty is denied, we will issue a letter regarding our findings and cause for denial. We will keep the product approximately 30 days, during which time you can request the product be returned, freight collect, otherwise, after 30 days, we will discard the product.

Changelog

Date	Modification
February 2026	- Updated notes on Application Pages: FUL.30, FUL.34, FUL.36, FUL.40, FUL.41, FUL.42, FUL.43, FUL.44, FUL.45, FUL.47, FUL.48, FUL.49, FUL.50, FUL.51, FUL.52, FUL.53, FUL.54, FUL.56, FUL.57, FUL.58, FUL.59 & FUL.60 - PTO 120 Series designation cleared on Detroit Diesel Application Pages (pages from 151 to 154)
November 2025	- 3900 Datasheet removed (Product obsolete). - MCK.25 & MCK.26: Data updated. - VVO.10 & VVO.12 Application pages removed (Product obsolete) - 3252 Datasheet. ID output added on Part Number Breakdown
October 2025	- FRD.01 Application Page removed (3900 Series is obsolete) - FRD.02 Title: Removed typo "Diesel only" - FD3 Footnote: Some texts added - Corrected pump rotation indicated on the 3300 Series Datasheet
September 2025	- DET.01, DET.02, DET.03, DET.04, DET.05, DET.06, DET.07 96% ratio included for 120 Series - Page 90: Datasheet updated with new internal ratio 96% - Page 91: Removed notes "BOX TYPE A, C, D" for P/N 7018304 and "BOX TYPE B" for P/N 700904
July 2025	- END.02 Included EC ratios for 4250 Series
June 2025	- INT.01, INT.02 Application Pages and 096004 datasheet for Navistar International T14 added
April 2025	- FRD.04 note FD3 removed for this Application
March 2025	- END.01 Clarified footnote E1 texts - 4200 Datasheet replaced by 4250 positions 2 & 4 - 4250 Datasheet updated drawings and new assembly indications
January 2025	- END.01 Clarified footnote E5 texts
	- Speed data on FR80 and FR110 pumps matched at 1500 rpm for continuous duty and 2000 rpm for intermittent duty. - Note added: Up to 1700 rpm for continuous working, by using suction hose size Ø2 1/2"
	- New Volvo & Mack Transmission designations added
December 2024	- Replaced Power Take Off 11106K03 by 11123K03 - Lubrication Kit marked as optional
November 2024	- Added ratio A on 3252 Series Data Sheet - Updated application pages ALL.02, ALL.03 & ALL.07
September 2024	- DET.03 & DET.04 fixed final ratios - Added application page DET.07 - Updated datasheet 120 Series
June 2024	- Added new 3960 Series (Ford 10R140HD)



Quality at all levels
The best customer service
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Building our world



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PTOs, pumps, valves, powerpacks, oil tanks, winches, wet kits, gearboxes, adapters and accessories.