

**SUMINISTRO, REPARACIÓN E IMPORTACIÓN DE
ELEMENTOS OLEOHIDRÁULICOS**



SEHICO, S.L.
TRI SEHICO, S.L.



**OBRAS PÚBLICAS * INDUSTRIA * MINERÍA
AGRÍCOLA * NAVAL**

**SUMINISTRO, REPARACIÓN E IMPORTACIÓN
DE ELEMENTOS OLEO-HIDRÁULICOS
PARA MAQUINARIA DE OBRAS PÚBLICAS ,
INDUSTRIA,
MINERÍA, AGRÍCOLA Y NAVAL**

TRI SEHICO, S.L. ES UNA EMPRESA DEDICADA A LA VENTA Y REPARACIÓN DE EQUIPOS HIDRÁULICOS.

CONSTITUIDA EN MAYO DE 1.965, LOS TRES SOCIOS FUNDADORES, PROVENÍAN DEL SECTOR HIDRÁULICO CON UNA LARGA EXPERIENCIA LABORAL ACUMULADA, E INNOVADORAS IDEAS PARA APLICAR AL SECTOR DE LA MAQUINARIA DE OBRAS PÚBLICAS, MINERÍA , AGRÍCOLA, INDUSTRIA Y NAVAL.

DEBIDO A QUE NOS ENCONTRAMOS EN UN MERCADO CADA VEZ MÁS EXIGENTE, TRI SEHICO PONE A SU DISPOSICIÓN UN EQUIPO DE PROFESIONALES ALTAMENTE CUALIFICADOS PARA DARLE UN SERVICIO ÁGIL, DE CALIDAD Y SIEMPRE A PRECIOS MUY COMPETITIVOS; CERTIFICADOS TODOS ELLOS, A TRAVÉS DE LA NORMA ISO 9001:2008.

DISPONEMOS EN NUESTROS ALMACENES DEL MAYOR STOCK DE REPUESTOS Y UNIDADES DE LAS PRINCIPALES MARCAS DEL SECTOR.

RESPECTO A LAS REPARACIONES, NOS DISTINGUIMOS POR LA SERIEDAD Y CALIDAD QUE OFRECEMOS A NUESTROS CLIENTES, CONTANDO PARA ELLO CON UNAS INSTALACIONES PROVISTAS DE TODO TIPO DE EQUIPAMIENTO NECESARIO;

TALLER PUERTAS ABIERTAS AL CLIENTE - DOS BANCOS DE PRUEBAS CONTROLADOS POR ORDENADOR PARA UNIDADES HIDRÁULICAS - BANCO DE PRUEBAS PARA ACUMULADORES - BANCO DE PRUEBAS PARA DISTRIBUIDORES, Y LO MÁS IMPORTANTE, CONTAMOS CON DIEZ TÉCNICOS ALTAMENTE CUALIFICADOS Y FORMADOS CON DIFERENTES CURSOS DE HIDRÁULICA EN LA CENTRAL DE ALEMANIA DE SAUER DANFOSS.

NO OBSTANTE TRI SEHICO SE PRESENTA COMO EMPRESA A CONSULTAR, PONIENDO A SU DISPOSICIÓN CINCO COMERCIALES QUE LE RESPONDERÁN CON PRONTITUD PARA OFRECERLE LAS MEJORES CONDICIONES DEL MOMENTO.



CENTRAL MADRID



DELEGACIÓN ZARAGOZA

TRI SEHICO CUENTA CON UN SISTEMA DE "PREVENCIÓN DE RIESGOS LABORALES", CUYA MÁXIMA PREOCUPACIÓN ES LA SEGURIDAD EN EL PUESTO DE TRABAJO DE NUESTROS EMPLEADOS, LA CUAL ES PARTE FUNDAMENTAL EN NUESTRA FILOSOFÍA EMPRESARIAL.

LA PREOCUPACIÓN POR LA MEJORA CONTÍNUA DE NUESTROS PROCESOS DE TRABAJO, EQUIPOS TÉCNICOS E INFRAESTRUCTURAS, NOS HA LLEVADO A LA IMPLANTACIÓN Y CERTIFICACIÓN DE NUESTRO SISTEMA DE GESTIÓN DE LA CALIDAD, SEGÚN LA NORMA ISO 9001:2008 PARA TODOS LOS SERVICIOS QUE PRESTAMOS A NUESTROS CLIENTES.

"NUESTRA PRIORIDAD ES CONSEGUIR LA SATISFACCIÓN DEL CLIENTE"



ALMACÉN



Más de 15.000 referencias de repuestos y unidades hidráulicas siempre en stock

TALLER (Reparación de bombas / motores / embragues / cilindros / acumuladores...)



10 técnicos altamente cualificados con formación practico-técnica en los fabricantes más relevantes del sector hidráulico

BANCO DE PRUEBAS (GARANTÍA POR ESCRITO)



2 Bancos de prueba de 300 cv. controlados por ordenador



Lapeadora de cóncavos



Lapeadora de planos



Los materiales de desgaste, como bloques de pistones, placas distribuidoras, pistones... etc, se comprueban, y si están dentro del margen de tolerancia se lapean en nuestras máquinas para cóncavos y planos, con el 100% de garantía, de tal manera que el presupuesto de reparación se reduce considerablemente.

MOTORES Y BOMBAS HIDROSTÁTICAS DE CIRCUITO CERRADO

SERIE 98 BOMBAS / MOTORES



Feature	Unit	Frame						
		042	055	075	100	130	180	250
		cm³/rev	42	55	75	100	130	180
Displacement	in³/rev	[2.56]	[3.35]	[4.59]	[6.10]	[7.93]	[10.98]	[15.25]
Parameter	Unit	Frame						
		042	055	075	100	130	180	250
		System pressure						
	Rated	420 (6000)						
	Maximum	450 (6500)						
	Minimum low loop	10 (150)						

SERIE 98 MOTORES

Parameter	042 MF	055 MF	055 MV	075 MF	100 MF	130 MF
Swashplate	Fixed	Fixed	Variable	Fixed	Fixed	Fixed
Max. displacement cm ³ /rev (in ³ /rev)	42 (2.56)	55 (3.35)	55 (3.35)	75 (4.57)	100 (6.10)	130 (7.90)

SERIE 28 BOMBAS / MOTORES



SPV 2 / 033 / 052 / 070 / 089 / 119 / 166 / 227 / 334

SMF 2 / 033 / 052 / 070 / 089 / 119 / 166 / 227 / 334

Pres. Máx. Trabajo: 420 bar

MOTORES Y BOMBAS HIDROSTÁTICAS DE CIRCUITO CERRADO
SERIE 48 BOMBAS / MOTORES

Cilindrada:

M25 PV : 25 cm³/rev

M35 PV : 35 cm³/rev

M44 PV : 44 cm³/rev

M46 PV : 46 cm³/rev

M25 PT : 25x2 cm³/rev

M35 PT : 35x2 cm³/rev

M44 PT : 44x2 cm³/rev

M46 PT : 46x2 cm³/rev

Model	Unit	M25 PV	M35 PV	M44 PV	M46 PV	M25 PT	M35 PT	M44 PT	M46 PT
Integral charge	cm ³ /rev		11.8	11.8	13.9		16.4	16.4	22.9
pump (std)	(in ³ /rev)		(0.72)	(0.72)	(0.85)		(1.00)	(1.00)	(1.40)

Model	Unit	M25 PV	M35 PV	M44 PV	M46 PV	M25 PT	M35 PT	M44 PT	M46 PT
Continuous	bar (psi)					210 (3000)			
Maximum	bar (psi)					345 (5000)			

SERIE 70 / 15

Technical Specifications - Series 70 Products

Product Type		BDU-10S	1 1/2" Style Transmissions BDU-10L	BDU-21L	Variable Pump BDP-10L
Displacement					
Variable Pump (Maximum)					
	in ³ /Rev	0.61	0.61	1.28	0.61
	cc/Rev	10	10	21	10
System Operating Pressure					
Maximum	psi	2100	2100	2100	2100
	bar	145	145	145	145
Continuous	psi	850	1000	1000	1000
	bar	60	70	70	70

Technical Specifications - 15 Series Products

Product Type		Transmissions		Variable Pump	Tandem Pump	Fixed Motor
		15 1/2"	15 In-line	15 PV	15 PT	15 MF
Displacement						
Variable Pump (Maximum)						
	in ³ /Rev	0.913	0.913	0.913	0.913 X 2	DNA
	cc/Rev	15	15	15	15 X 2	
System Operating Pressure		} ALL 15 SERIES UNITS {				
Maximum *		psi	4500			
		bar	310			
Continuous *		psi	2500			
		bar	175			

SERIE H1 BOMBAS

Serie H1:

45 cm³/rev [2.75 in³/rev]
 53.8 cm³/rev [3.28 in³/rev]
 78 cm³/rev [4.76 in³/rev]
 89 cm³/rev [5.44 in³/rev]
 100 cm³/rev [6.21 in³/rev]
 115 cm³/rev [7.0 in³/rev]
 130 cm³/rev [7.93 in³/rev]
 147 cm³/rev [8.97 in³/rev]
 165 cm³/rev [10.07 in³/rev]

Serie H1 AC:

45 cm³/rev [2.75 in³/rev]
 53.8 cm³/rev [3.28 in³/rev]
 78 cm³/rev [4.76 in³/rev]
 89 cm³/rev [5.44 in³/rev]
 100 cm³/rev [6.21 in³/rev]
 115 cm³/rev [7.0 in³/rev]
 130 cm³/rev [7.93 in³/rev]

SERIE H1 / H1-1


Specific Data						
	Dimension	Frame size				
		060	080	110	160	210
Displacement maximum	V_{gmax}	80.0 [3.66]	80.7 [4.92]	109.9 [6.71]	160.9 [9.82]	250.8 [15.26]
Displacement minimum	V_{gmin}	12.0 [0.73]	16.1 [0.98]	22.0 [1.34]	32.2 [1.96]	58.0 [3.65]

Pres. Máxima: 450 bar
SERIE H1


Features	Unit	Size		
		060	080	110
Displacement maximum	cm³ [in³]	60 [3.66]	80 [4.88]	110 [6.71]
Displacement minimum	cm³ [in³]	12 [0.73]	16 [0.98]	22 [1.34]

Pres. Máxima: 450 bar

BOMBAS DE PISTÓN AXIAL DE CIRCUITO ABIERTO

SERIE 45

Pump	Displacement		Pressure			
			Continuous		Maximum	
Model	cm ³	in ³	bar	psi	bar	psi
Frame L						
L25C	25	1.53	260	3770	350	5075
L100D	30	1.85	210	3045	300	4350
Frame K						
K38C	38	2.32	260	3770	350	5075
K45D	45	2.75	210	3045	300	4350
Frame J						
J45B	45	2.75	310	4495	400	5800
J51B	51	3.11	310	4495	400	5800
J60B	60	3.66	310	4495	400	5800
J65C	65	3.87	260	3770	350	5075
J75C	75	4.58	260	3770	350	5075
Frame F						
F74B	74	4.52	310	4495	400	5800
F90C	90	5.49	260	3770	350	5075
Frame E						
E100B	100	6.10	310	4495	400	5800
E130B	130	7.93	310	4495	400	5800
E147C	147	8.97	260	3770	350	5075



K/L Frame



F Frame



J Frame



E Frame

MOTORES ORBITALES

TIPO OML / OMM



Technical Data for OML with 16 mm and 5/8 in Cylindrical Shaft

Type		OML 8	OML 12.5	OML 20	OML 32
Motor Size		8	12.5	20	32
Geometric displacement	cm ³ / in ³	9.0 / [0.49]	12.5 / [0.77]	20.0 / [1.22]	32.0 / [1.94]
Max. pressure drop	bar / (psi)	cont.	70 / [1020]	70 / [1020]	70 / [1020]
		int. ¹⁾	125 / [1810]	125 / [1810]	125 / [1810]
	peak ²⁾	140 / [2030]	140 / [2030]	140 / [2030]	140 / [2030]
		140 / [2030]	140 / [2030]	140 / [2030]	140 / [2030]

Technical Data for OMM with 16 mm and 5/8 in Cylindrical Shaft

Type		OMM 8	OMM 12.5	OMM 20	OMM 32	OMM 40	OMM 50
Motor Size		8	12.5	20	32	40	50
Geometric displacement	cm ³ / in ³	8.2 / [0.50]	12.5 / [0.77]	19.9 / [1.21]	31.6 / [1.93]	39.8 / [2.43]	50 / [3.05]
Max. pressure drop	bar / (psi)	cont.	140 / [2030]	140 / [2030]	140 / [2030]	140 / [2030]	140 / [2030]
		int. ¹⁾	140 / [2030]	140 / [2030]	140 / [2030]	140 / [2030]	140 / [2030]
	peak ²⁾	200 / [2900]	200 / [2900]	200 / [2900]	200 / [2900]	200 / [2900]	200 / [2900]
		200 / [2900]	200 / [2900]	200 / [2900]	200 / [2900]	200 / [2900]	200 / [2900]


Technical data for OMP with 25 mm and 1 in cylindrical shaft

Type		OMP	OMP	OMP	OMP	OMP	OMP	OMP
Motor size		25	32	40	50	60	80	100
Geometric displacement	cm ³ [inch ³]	25.0 [1.53]	32.0 [1.96]	40.0 [2.45]	48.6 [2.97]	59.1 [3.61]	77.8 [4.76]	97.3 [5.95]
Max. pressure drop	bar [psi]	cont.	100 [1450]	100 [1450]	100 [1450]	140 [2030]	140 [2030]	140 [2030]
		inst. ¹⁾	140 [2030]	140 [2030]	175 [2540]	175 [2540]	175 [2540]	175 [2540]
		peak ²⁾	225 [3260]	225 [3260]	225 [3260]	225 [3260]	225 [3260]	225 [3260]

Technical data for OMP with 25 mm and 1 in cylindrical shaft (continued)

Type		OMP	OMP	OMP	OMP	OMP	OMP	OMP
Motor size		110	125	160	200	250	315	400
Geometric displacement	cm ³ [inch ³]	112.5 [6.87]	125.0 [7.65]	155.7 [9.53]	194.6 [11.91]	242.3 [14.83]	306.1 [18.73]	389.2 [23.82]
Max. pressure drop	bar [psi]	cont.	140 [2030]	140 [2030]	140 [2030]	115 [1670]	90 [1310]	60 [870]
		inst. ¹⁾	175 [2540]	175 [2540]	175 [2540]	150 [2180]	100 [1450]	80 [1160]
		peak ²⁾	225 [3260]	225 [3260]	225 [3260]	225 [3260]	180 [2610]	130 [1890]

Technical data for OMP with 1 in splined and 28.5 mm tapered shaft

Type		OMP	OMP	OMP	OMP	OMP	OMP	OMP	OMP	
Motor size		50	80	100	125	160	200	250	315	400
Geometric displacement	cm ³ [inch ³]	48.6 [2.97]	77.8 [4.76]	97.3 [5.95]	125.0 [7.65]	155.7 [9.53]	194.6 [11.91]	242.3 [14.83]	306.1 [18.73]	389.2 [23.82]
Max. pressure drop	bar [psi]	cont.	140 [2030]	140 [2030]	140 [2030]	140 [2030]	140 [2030]	105 [1520]	90 [1310]	70 [1010]
		inst. ¹⁾	175 [2540]	175 [2540]	175 [2540]	175 [2540]	175 [2540]	140 [2030]	120 [1740]	90 [1310]
		peak ²⁾	225 [3260]	225 [3260]	225 [3260]	225 [3260]	225 [3260]	180 [2610]	160 [2320]	130 [1890]

Technical data for OMP with 32 mm cylindrical shaft

Type		OMP	OMP	OMP	OMP	OMP	OMP	OMP	OMP	OMP
Motor size		50	80	100	125	160	200	250	315	400
Geometric displacement	cm ³ [inch ³]	48.6 [2.97]	77.8 [4.76]	97.3 [5.95]	125.0 [7.65]	155.7 [9.53]	194.6 [11.91]	242.3 [14.83]	306.1 [18.73]	389.2 [23.82]
Max. pressure drop	bar [psi]	cont.	140 [2030]	140 [2030]	140 [2030]	140 [2030]	140 [2030]	140 [2030]	120 [1740]	95 [1380]
		inst. ¹⁾	175 [2540]	175 [2540]	175 [2540]	175 [2540]	175 [2540]	175 [2540]	160 [2320]	125 [1810]
		peak ²⁾	225 [3260]	225 [3260]	225 [3260]	225 [3260]	225 [3260]	225 [3260]	225 [3260]	180 [2610]

Technical data for OMR with 25 mm and 1 in cylindrical shaft

Type		OMR	OMR	OMR	OMR	OMR	OMR	OMR	OMR	
Motor size		50	80	100	125	160	200	250	315	375
Geometric displacement	cm ³ [inch ³]	51.6 [3.16]	80.3 [4.91]	99.8 [6.11]	125.7 [7.69]	158.6 [9.77]	199.8 [12.23]	249.3 [15.26]	315.7 [19.32]	372.6 [22.80]
Max. pressure drop	bar [psi]	cont.	140 [2030]	175 [2540]	175 [2540]	175 [2540]	130 [1890]	110 [1600]	80 [1160]	55 [800]
		inst. ¹⁾	175 [2540]	200 [2900]	200 [2900]	200 [2900]	175 [2540]	140 [2030]	110 [1600]	100 [1450]
		peak ²⁾	225 [3260]	225 [3260]	225 [3260]	225 [3260]	225 [3260]	200 [2900]	150 [2180]	130 [1890]

MOTORES ORBITALES
TPO OMS / OMT / OMV

Technical data for OMS

Type		OMS OMSW OMSS	OMS OMSW OMSS	OMS OMSW OMSS	OMS OMSW OMSS	OMS OMSW OMSS	OMS OMSW OMSS	OMS OMSW OMSS	OMS OMSW OMSS
Motor size		80	100	125	160	200	250	315	400
Geometric displacement	cm ³ [in ³]	80.5 [4.91]	100.0 [6.10]	125.7 [7.67]	158.7 [9.75]	200.0 [12.20]	250.0 [15.24]	314.9 [19.22]	400.0 [24.48]
Max. pressure drop	bar [psi]	cont. [3050]	210 [3050]	210 [3050]	210 [3050]	210 [3050]	200 [2900]	200 [2900]	160 [2320]
		int. ¹ [3990]	275 [3990]	275 [3990]	260 [3770]	250 [3630]	250 [3630]	240 [3480]	180 [2610]
		peak ² [4280]	295 [4280]	295 [4280]	280 [4060]	270 [3920]	270 [3920]	260 [3770]	200 [2900]

for OMT, OMTW, OMTS, OMT FX OMT FL and OMT FH

Type		OMT OMTW OMTS OMT FX OMT FL OMT FH	OMT OMTW OMTS OMT FX OMT FL OMT FH	OMT OMTW OMTS OMT FX OMT FL OMT FH	OMT OMTW OMTS OMT FX OMT FL OMT FH	OMT OMTW OMTS OMT FX OMT FL OMT FH	OMT OMTW OMTS OMT FX OMT FL OMT FH
Motor size		160	200	250	315	400	500
Geometric displacement	cm ³ [in ³]	161.1 [9.83]	201.4 [12.29]	251.8 [15.37]	326.3 [19.91]	410.9 [25.07]	525.6 [31.90]
Max. pressure drop	bar [psi]	cont. [2900]	240 [2900]	240 [2900]	240 [2900]	240 [2900]	210 [2320]
		int. ¹ [3480]	240 [3480]	240 [3480]	240 [3480]	240 [3480]	180 [2610]
		peak ² [4060]	260 [4060]	260 [4060]	260 [4060]	240 [3480]	210 [2900]

for OMV, OMVW and OMVS

Type		OMV OMVW OMVS	OMV OMVW OMVS	OMV OMVW OMVS	OMV OMVW OMVS	OMV OMVW OMVS
Motor size		315	400	500	630	800
Geometric displacement	cm ³ [in ³]	314.5 [19.19]	400.0 [24.48]	499.6 [30.49]	629.1 [38.19]	800.0 [48.91]
Max. pressure drop	bar [psi]	cont. [2900]	200 [2900]	200 [2900]	180 [2610]	160 [2320]
		int. ¹ [3480]	240 [3480]	240 [3480]	210 [3050]	180 [2610]
		peak ² [4060]	280 [4060]	280 [4060]	240 [3480]	200 [2900]

TMT / TMTU / TMTW / TMT FL Y TMTW FL

Technical data for TMT, TMTU, TMTW and TMT FL

Type		TMT 250	TMT 315	TMT 400	TMT 470	TMT 500	TMT 630
Motor size		250	315	400	470	500	630
Geometric displacement	cm ³ [in ³]	251.8 [15.37]	326.3 [19.91]	410.9 [25.07]	477.3 [29.13]	494.8 [30.19]	629.1 [38.19]
Max. pressure drop	bar [psi]	cont. [3630]	250 [3630]	250 [3630]	250 [3630]	250 [3630]	200 [2900]
		int. ¹ [5080]	350 [5080]	350 [5080]	350 [5080]	325 [4710]	250 [3630]
		peak ² [5800]	400 [5800]	400 [5800]	400 [5800]	375 [5440]	300 [4310]

MOTORES ORBITALES

TMK / TMKW / TMK FL



Type		TMK TMKW TMK FL	TMK TMKW TMK FL	TMK TMKW TMK FL	TMK TMKW TMK FL	TMK TMKW TMK FL	TMK TMKW TMK FL
Motor size		160	200	250	315	400	470
Geometric displacement	cm ³ [in ³]	158.0 [9.64]	201.5 [12.30]	252.2 [15.38]	315.3 [19.23]	397.2 [24.24]	471.1 [28.75]
Max. pressure drop *	bar [psi]	cont.	250 [36.25]	250 [36.25]	250 [36.25]	200 [29.00]	160 [23.20]
			325 [47.15]	325 [47.15]	300 [43.50]	250 [36.25]	200 [29.00]
		int. ¹					

TMVW



Technical Data for TMVW

Type		TMVW	TMVW	TMVW	TMVW
Motor size		400	500	630	800
Geometric displacement	cm ³ [in ³]	400.9 [24.44]	499.6 [30.49]	629.1 [38.79]	801.8 [48.93]
Max. pressure drop	bar [psi]	cont.	250 [36.30]	250 [36.30]	225 [32.63]
			350 [50.80]	350 [50.80]	300 [43.50]
		int. ¹			
		peak ²	400 [58.00]	400 [58.00]	400 [58.00]

DH / DS



Technical data for DH with 1 in cylindrical and 1 in-6b splined shaft

Type		DH	DH	DH	DH	DH	DH	DH	DH	DH	DH
Motor size		36	50	80	100	125	160	200	250	315	400
Geometric displacement	cm ³ [in ³]	36.0 [2.20]	48.6 [2.97]	77.8 [4.76]	97.3 [5.95]	125.0 [7.60]	155.7 [9.53]	196.6 [11.91]	242.3 [14.83]	306.3 [18.73]	389.2 [23.82]
Max. pressure drop	bar [psi]	cont.	124 [1800]	124 [1800]	124 [1800]	124 [1800]	137 [1960]	131 [1900]	97 [1400]	90 [1300]	83 [1200]
			166 [2400]	166 [2400]	166 [2400]	166 [2400]	159 [2300]	141 [2050]	131 [1900]	121 [1750]	97 [1400]
		int. ¹									

Technical data for DS with 1 in cylindrical and 1 in-6b splined shaft

Type		DS	DS	DS	DS	DS	DS	DS	DS	DS
Motor size		50	80	100	125	160	200	250	315	375
Geometric displacement	cm ³ [in ³]	51.6 [3.16]	80.3 [4.91]	99.0 [6.11]	124.1 [7.60]	155.4 [9.53]	196.2 [11.91]	248.1 [15.18]	310.3 [18.98]	390.7 [23.91]
Max. pressure drop	bar [psi]	cont.	138 [2000]	138 [2000]	138 [2000]	138 [2000]	124 [1800]	107 [1550]	97 [1400]	83 [1200]
			172 [2500]	172 [2500]	172 [2500]	172 [2500]	153 [2200]	138 [2000]	154 [2200]	97 [1400]
		int. ¹								

ORBITROLES (BOMBAS DE DIRECCIÓN)

OSP8 / OSPC / OSPF / OSPD / OSPQ / OSPL

Cilindrada desde 32 hasta 1200 cm³

Bloque de válvulas OVPL

Válvulas de prioridad OLSA / OLS

Amplificador de caudal OSQ



VÁLVULAS (ELÉCTRICAS Y MANUALES) PROPORCIONAL

PVG 32 / 106 / 120



MÓDULOS PVE SERIE 4 PARA PVG 32 / 106 / 120



PVRES / PVREL JOYSTICKS



MCHXXX MANGO DE CONTROL



TIPO DE ACTUADOR ELECTROHIDRÁULICO



JS1906, JS6006 JOYSTICKS ANALÓGICOS



Motores y Bombas de Engranajes de Alto Rendimiento

Configuraciones Disponibles		Cilindrada	Presión Máxima serv.	Velocidad Máxima rpm	Configuraciones- SAE Disponibles	
		[cm ³]	[bar]	[min ⁻¹]		
PA * 	TFP 50/0,25	0.25	200	10.000		
	TFP 50/0,45	0.45	200	10.000		
	TFP 50/0,57	0.57	200	10.000		
	TFP 50/0,76	0.76	200	6.000		
	TFP 50/1,27	1.27	200	6.000		
PB * 	TFP 100/1,2	1,2	210	6.000	TFP 100/1,2	SAE "AA" 
	TFP 100/1,7	1,7	210	6.000	TFP 100/1,7	
	TFP 100/2,2	2,2	210	6.000	TFP 100/2,2	
	TFP/TFM 100/2,6	2,6	210	6.000	TFP 100/2,6	
	TFP/TFM 100/3,2	3,2	210	6.000	TFP 100/3,2	
	TFP/TFM 100/3,8	3,8	210	6.000	TFP 100/3,8	
	TFP/TFM 100/4,3	4,3	210	4.000	TFP 100/4,3	
	TFP 100/7,8	7,8	180	4.000	TFP 100/7,8	
PN * 	SNP 2/4	3,9	250	4.000	SNP 2/4	SAE "A" 
	SNP/SHM 2/6	6,0	250	4.000	SNP/SHM 2/6	
	SNP/SHM 2/8	8,4	250	4.000	SNP/SHM 2/8	
	SNP/SHM 2/11	10,8	250	4.000	SNP/SHM 2/11	
	SNP/SHM 2/14	14,4	250	3.500	SNP/SHM 2/14	
	SNP/SHM 2/17	16,8	250	3.000	SNP/SHM 2/17	
	SNP/SHM 2/19	19,2	210	3.000	SNP/SHM 2/19	
	SNP/SHM 2/22	22,8	180	3.000	SNP/SHM 2/22	
	SNP/SHM 2/25	25,2	160	3.000	SNP/SHM 2/25	
PJ * 	TSP 4-26/4	4,0	210	4.000		
	TSP 4-26/6,2	6,2	210	4.000		
	TSP 4-26/8,4	8,4	210	4.000		
	TSP 4-26/11	11,0	210	3.500		
	TSP 4-26/14,3	14,3	210	3.500		
	TSP 4-26/16,5	16,5	190	3.500		
PE * 	SNP3/TAM 22-90/22	22,1	250	3.000	SNP3/22	SAE "B" 
	SNP3/TAM 22-90/26	26,2	250	3.000	SNP3/26	
	SNP3/TAM 22-90/33	33,1	250	3.000	SNP3/33	
	SNP3/TAM 22-90/38	37,9	250	3.000	SNP3/38	
	SNP3/TAM 22-90/44	44,1	250	3.000	SNP3/44	
	SNP3/TAM 22-90/55	55,1	230	3.000	SNP3/55	
	SNP3/TAM 22-90/63	63,4	210	3.000	SNP3/63	
	SNP3/TAM 22-90/75	74,4	180	3.000	SNP3/75	
	SNP3/TAM 22-90/90	88,2	150	2.500	SNP3/90	
	TAP 60-200/60	60,0	280	3.000	TAP 60-200/60	
PF * 	TAP 60-200/85	85,0	280	3.000	TAP 60-200/85	SAE "C" 
	TAP 60-200/106	106,0	235	2.500	TAP 60-200/106	
	TAP 60-200/130	130,0	220	2.500	TAP 60-200/130	
	TAP 60-200/148	148,0	210	2.400	TAP 60-200/148	
	TAP 60-200/180	180,0	170	2.400	TAP 60-200/180	
	TAP 60-200/200	200,0	150	2.400	TAP 60-200/200	

* Código Abreviado para Bombas Múltiples, por ejemplo TFP 100 + TFP 100 = PBB

** Para más detalles, rogamos soliciten Información Técnica, Pedido N°. arriba indicado.



BOMBAS CAUDAL FIJO



A2FO 5 1000 cm³



KFA 23 107 cm³



A4FO 22 56 cm³

BOMBAS CAUDAL VARIABLE



A4VG 28 250 cm³



A4VVG 56 90 cm³



A10VG 18 63 cm³



A11VO 40 280 cm³



A10VO/3 28 140 cm³



A10VO/5 28 85 cm³



A10CO 45 cm³



A7VO 55 1000 cm³



KVA 55 107 cm³



A8VO 28 200 cm³



A20VO 60 520 cm³

MOTORES FIJOS



A2FM 5 1000 cm³



A2FE 28 355 cm³



A4FM 22 56 cm³



A10FM 18 63 cm³



A10FE 18 63 cm³

MOTORES VARIABLES



A6VM 28 1000 cm³



A6VE 28 250 cm³



A10VM 28 63 cm³



A10VE 28 63 cm³



A10VEC 28 63 cm³

BOMBAS CAUDAL FIJO



A2FO 5 1000 cm³



A4FO 22 56 cm³

BOMBAS CAUDAL VARIABLE



A4VSO 40 71 cm³



A4VSO 40 71 cm³



A10VSO 18 140 cm³



A2V 250 1000 cm³



A2VK 12 107 cm³



A7V 55 1000 cm³



A4VB 55 1000 cm³

MOTORES FIJOS



A2FM 5 1000 cm³



A4FM 22 56 cm³



A10FM 18 63 cm³



A4FP 32 500 cm³

MOTORES VARIABLES



A6VM 28 1000 cm³



A10VM 28 63 cm³





MOTORES DE PISTÓN AXIAL

HMP-02

HMP-02		28	35	58	75	105	135
Max. displacement	cm ³ /rev	28.6	35.6	51.3	75.9	105	135.6
Max. operating speed	rpm	4500	4500	4100	3800	3500	3200
Max. speed (intermittent)	rpm	4800	4800	4400	4100	3800	3500
Nominal pressure	bar	420	420	420	420	420	420
Peak pressure (intermittent)	bar	500	500	500	500	500	500
Continuous output torque	Nm	112	139	204	298	418	517
Max. output torque	Nm	167	214	327	502	702	903
Continuous power	kW	54	67	88	129	153	181
Max. power	kW	96	120	141	202	257	304
Weight (approx.)	kg	16	16	19	26	33	39



HMV-02

HMV-02		55	75	105	135	165	210	280
Max. displacement	cm ³ /rev	54.8	75.9	105	135.6	165	210	280
Max. operating speed at Vmax	rpm	4100	3800	3500	3200	3100	2700	2400
Max. speed (intermittent) at Vmax	rpm	5100	5000	4700	4000	3900	3500	3200
Nominal pressure	bar	420	420	420	420	420	420	420
Peak pressure (intermittent)	bar	500	500	500	500	500	500	500
Continuous output torque	Nm	218	302	418	540	657	836	1134
Max. output torque	Nm	366	508	702	907	1104	1404	1872
Continuous power	kW	94	120	153	181	213	236	280
Max. power	kW	157	202	257	304	358	397	470
Weight (approx.)	kg	28	32	42	56	76	101	146



HMR-02

HMR-02		55	75	105	135	165	210
Max. displacement	cm ³ /rev	54.8	75.9	105	135.6	165	210
Max. operating speed at Vmax	rpm	4100	3800	3500	3200	3100	2700
Max. speed (intermittent) at Vmax	rpm	5200	5000	4700	4000	3900	3500
Nominal pressure	bar	420	420	420	420	420	420
Peak pressure (intermittent)	bar	500	500	500	500	500	500
Continuous output torque	Nm	215	302	418	540	657	836
Max. output torque	Nm	366	508	702	907	1104	1404
Continuous power	kW	94	120	153	181	213	236
Max. power	kW	157	202	257	304	358	397
Weight (approx.)	kg	38	37	42	56	76	101





BOMBAS DE PRESIÓN AZUL

HPB-02

HPB-02	55	75	105	135	210	2x 105	
Max. displacement	cm ³ /rev	54.8	75.9	105	135.6	210	2x 105
Continuous rated speed w/o pressure	rpm	2700	2600	2300	2300	2000	2300
Max. oil flow	L/min	147.9	197.5	240.5	311.5	420	485
Nominal pressure	bar	420	420	420	420	420	420
Peak pressure (intermittent)	bar	500	500	500	500	500	500
Continuous input torque	Nm	220	305	420	540	826	820
Max. input torque	Nm	368	508	702	907	1404	1399
Continuous power	kW	40	80	100	138	175	156
Max. power	kW	95	130	160	207	280	262
Weight (approx.)	kg	39	39	50	65	116	107



HPV-02

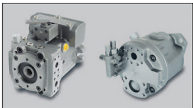
HPV 02		55	75	105	135	165	210	280
Max. displacement	cm ³ /rev	54.8	75.9	105	135.6	165	210	280
Permissible speed	rpm	3300	3100	2900	2700	2500	2300	2000
Max. speed (intermittent)	rpm	3700	3500	3200	2900	2700	2500	2200
Nominal pressure	bar	420	420	420	420	420	420	420
Peak pressure (intermittent)	bar	500	500	500	500	500	500	500
Continuous input torque	Nm	220	305	420	540	660	840	1115
Max. input torque	Nm	350	485	670	870	1100	1400	1785
Continuous power	kW	75	98	127	153	170	200	254
Max. power	kW	121	157	204	245	275	320	373
Weight with M1 control (approx.)	kg	42	47	58	72	95	132	158



MPB-01 / MPV-01

MPB-01		45	65
Max. displacement	cm ³ /rev	46	63
Permissible speed	rpm	3000	3500
Nominal pressure	bar	300	300
Peak pressure (intermittent)	bar	350	350
Oil flow at n max	L/min	175	221
Input torque at Vmax and p max	Nm	219	301
Max. power	kW	30	119
Weight (approx.)	kg	27	39

MPV-01		28	45	71
Displacement	cm ³ /rev	28	45	71
Continuous rated speed w/o pressure	rpm	3000	2600	2200
Nominal pressure	bar	280	280	280
Peak pressure (intermittent)	bar	350	350	350
Max. oil flow at n max	l/min	84	117	156
Input torque at Vmax	Nm	125	200	316
Max. power	kW	39	55	75
Weight (approx.)	kg	15	21	35





BOMBAS DE PISTÓN AXIAL



K3VIK5VIK7V SERIES

Swash plate type axial piston pumps

Our highly valued pumps in world-wide construction machinery markets, offering high reliability and a consistent production record.

Displacement: 63 x 2 - 280 x 2cm³
Rated pressure: 34.5 MPa
Peak pressure: 39.2 MPa



K3VL

Swash plate type axial piston pumps

Pumps for construction and industrial machinery with load sensing and pressure compensation as the basic control functions.

Displacement: 45 - 200cm³
Rated pressure: 31.4 MPa
Peak pressure: 34.3 MPa



K3VG SERIES

Swash plate type axial piston pumps

Pumps for industrial machinery with open circuits.

Displacement: 63 - 560cm³
Rated pressure: 34.5 MPa
Peak pressure: 39.2 MPa



K3VG-ILIS

Electro-hydraulic servo regulator

ILIS is a proportional valve regulator offering increased response to compensation. The direct on/off feedback control by sensing the change of the swash plate provides improved stability and highly responsive control.

Displacement: 63 - 560cm³
Rated pressure: 34.5 MPa
Peak pressure: 39.2 MPa



KAWASAKI ECO SERVO

Electro-hydraulic control system

Controls the speed of rotation to provide highly accurate flow control for high pressure, high capacity pumps. Reduced power consumption from the actuator is another feature of this energy efficient solution. This electro-hydraulic servo regulator controls the 40° angle of our swash plate, providing a low energy electrical input signal.

Displacement: 22 - 140cm³
Rated pressure: 32 MPa
Peak pressure: 35 MPa



K3SP SERIES

Swash plate type axial piston pumps

Compact double pump for mini-excavators and other industrial vehicles.

Displacement: 2x100cm³
Rated pressure: 29.4 MPa
Peak pressure: 31.4 MPa



model	K3VC22	K3VC45	K3VC63	K3VC120	K3VC180	K3VC210
displacement (cm ³)	22.0	45.3	64.0	129	180	210
pressure (MPa) (kgf/cm ²)	rated	29.6 (238)	29.4 (308)	32.4 (338)		29.4 (308)
	max	34.5 (358)	34.3 (358)	39.2 (408)		34.3 (358)

model	DREH4E	DREH63E	DREH124E	DREH160E	DREH210E	DREH310E
displacement (cm ³)	880	2,046	4,010	12,490	14,330	22,600
	494	1,025	2,010	7,610	8,430	13,100
pressure (MPa) (kgf/cm ²)				34.3 (358)		

M4 PV 21-25-37



M4 PV 34-35-45-50-58-65



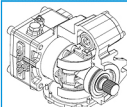
TECHNICAL DATA

	M4PV21	M4PV25	M4PV37
Displacement	cm ³	21	25
Boost pump displacement	cm ³	50	
Max. pump speed	min ⁻¹	3600	
Min. pump speed	min ⁻¹	300	
Pressure rating	bar	250	
Peak pressure	bar	350	
Boost pump pressure	bar	15 + 25	
Max. housing pressure	bar	1.6	
Max. oil temperature	°C	60	
ISO 15743 class		ISO 15743/13, N40.8	
Controlled oil viscosity	mm ² /s	15 + 30	
Weight	kg	17.5	18
Installation	l/min	15 x 10 ⁴	21 x 10 ⁴
Suction pressure bar absolute		>= 0.8	
Discharge pressure bar absolute		>= 0.8	

TECHNICAL DATA

		36	45	50	58	65
Displacement	cm ³					
Boost pump displacement	cm ³		1.6			
Max. pump speed	min ⁻¹		3600			3600
Min. pump speed	min ⁻¹		300			
Pressure rating	bar		250			
Peak pressure	bar		400			
Boost pump pressure	bar		15 + 25			
Max. housing pressure	bar		1.6			
Max. oil temperature	°C		60			
ISO 15743 class			ISO 15743/13, N40.8			
Controlled oil viscosity	mm ² /s		15 + 30			
Weight (manual control pump)	kg		20			
Weight (auto control pump)	kg		25			
Performance	l/min		40 x 10 ⁴			58 x 10 ⁴
Suction pressure bar absolute			>= 0.8			
Discharge pressure bar absolute			>= 0.8			

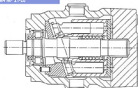
HP P7 - HP P8



VOLUMEN CAUDAL	CAUDAL TOTAL MAXIMO CAUDAL litros/min		CAUDAL CAUDAL litros/min		CAUDAL CAUDAL litros/min		CAUDAL CAUDAL litros/min		CAUDAL CAUDAL litros/min		CAUDAL CAUDAL litros/min	
	cm ³	lit	bar	psi	bar	psi	bar	psi	bar	psi	bar	psi
HP P7	82	5.8	250	3625	380	5510	400	5800	4000	5800	500	725
	100	6.1	350	5075	380	5510	400	5800	4000	5800	500	725
	125	7.8	350	5075	380	5510	400	5800	4000	5800	500	725
HP P8	82	5.8	400	5800	420	6090	450	6525	4000	5800	500	725
	100	6.1	400	5800	420	6090	450	6525	4000	5800	500	725
	125	7.8	400	5800	420	6090	450	6525	4000	5800	500	725

MOTORES DE PISTÓN AXIAL DE CILINDRADA FIJA

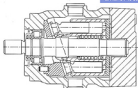
M4 MP 21-25



TECHNICAL DATA

	21	25	
Displacement	cm ³	21	25
Max. rotation speed/continuous	min ⁻¹	3600	
Max. rotation speed/intermittent	min ⁻¹	4000	
Pressure rating	bar	250	
Peak pressure	bar	350	
Max. housing pressure	bar	1,5	
Max. oil temperature	°C	80	
ISO 10191 class		ISO 10191-15, AAS-B	
Optimised oil viscosity	mm ² /s	15 + 35	
Weight	kg	7,5	7,8
Portals mass	kg/m ²	15 x 10 ⁻⁴	

M4 MP 34-45-55-65

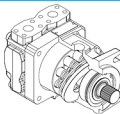


TECHNICAL DATA

	34	45	55	65
Displacement	cm ³			
Max. rotation speed continuous	min ⁻¹	3600		
Max. rotation speed intermittent	min ⁻¹	3600		
Pressure rating	bar	250		
Peak pressure	bar	400		
Max. housing pressure	bar	1,5		
Max. oil temperature	°C	80		
ISO 10191 class		ISO 10191-15, AAS-B		
Optimised oil viscosity	mm ² /s	15 + 35		
Weight	kg	15		
Portals mass	kg/m ²	50 x 10 ⁻⁴ 50 x 10 ⁻⁴		

MOTORES DE PISTÓN AXIAL CON PLATO INCLINADO

HP M7 - HP M8



QUANTITY PER MOTOR	DISPLACEMENT AXIAL (CM ³ /REV) RPM		CONTINUOUS PRESSURE BAR		INTERMITTENT PRESSURE BAR		MAX. OIL TEMPERATURE °C		ISO 10191 CLASS RPM		WEIGHT PER MOTOR kg	
	cm ³	in ³	bar	psi	bar	psi	bar	psi	min ⁻¹	min ⁻¹	kg	lbs
HP M7	80	5,0	350	5075	380	5510	400	5800	4000	500	55	121
	100	6,1	350	5075	380	5510	400	5800	4000	500	55	121
	125	7,6	350	5075	380	5510	400	5800	4000	500	55	121
QUANTITY PER MOTOR	DISPLACEMENT AXIAL (CM ³ /REV) RPM		CONTINUOUS PRESSURE BAR		INTERMITTENT PRESSURE BAR		MAX. OIL TEMPERATURE °C		ISO 10191 CLASS RPM		WEIGHT PER MOTOR kg	
	cm ³	in ³	bar	psi	bar	psi	bar	psi	min ⁻¹	min ⁻¹	kg	lbs
HP M8	80	5,0	400	5800	420	6090	450	6525	4000	500	39	86
	100	6,1	400	5800	420	6090	450	6525	4000	500	40	88
	125	7,6	400	5800	420	6090	450	6525	4000	500	40	88



**OLD CUP PUMPS - 5000PSI OPEN
CIRCUIT, VARIABLE-FIXED, 8
TO 30.8 IN³/REV**



**HYBRID PUMP - PISTON AND VANE
COMBINATION (DOUBLE AND TRIPLE
PUMPS)**



**P4VC PUMPS - 3600 PSI, VARIABLE,
33CC TO 100CC**



**P0 PUMPS - 4000 PSI, VARIABLE,
45CC TO 140CC**



**PREMIER PUMPS - 6000 PSI,
VARIABLE, 80CC TO 260CC**



**PV VARIABLE DISPL. AXIAL PISTON
PUMPS 420 BAR 16-270 CC**



**PV/PVT PUMPS - 3600PSI, VARIABLE,
18CC TO 41CC**



**PVP PUMPS - 3600 PSI, VARIABLE,
18CC TO 48CC**



**P1 PUMPS - 4000 PSI, VARIABLE,
65CC TO 140CC**



**P1RD VARIABLE DISPL. AXIAL PISTON
PUMPS 280 BAR 60-140 CC-EUROPE**



**P2 PUMPS (USA) - 4000 PSI,
VARIABLE, 60CC TO 145CC**



**P2P3 VARIABLE DISPL. AXIAL PISTON
PUMPS 370 BAR 60-145 CC-EUROPE**



**P3 PUMPS (USA) - 4000 PSI,
VARIABLE, 75CC TO 145CC**



**VP1 VARIABLE DISPL. AXIAL PISTON
PUMPS TRUCK APPLICATIONS 420
BAR 45-120 CC**

MOTORES DE CAUDAL VARIABLE



GOLD-CLIP MOTORS - 5000PSI OPEN-
CLOSED-CIRCUIT, VARIABLE-FIXED, 6
TO 30.6 IN/REV



MED MOTORS



MEDC MOTORS



MRV MOTORS



MRVC MOTORS



T12 VARIABLE DISPL AXIAL PISTON
MOTORS 480 BAR OPEN-CLOSED
CIRCUIT 18-80 CC



V12 VARIABLE DISPL AXIAL PISTON
MOTORS 480 BAR OPEN-CLOSED
CIRCUIT 12-80 CC



V14 VARIABLE DISPL AXIAL PISTON
MOTORS 480 BAR OPEN-CLOSED
CIRCUIT 22-160 CC

MOTORES DE PISTÓN AXIAL DE CAUDAL FIJO



F1/F2 FIXED DISPL AXIAL PISTON
PUMPS AND MOTORS, TRUCK
APPLICATIONS 400 BAR 12-121 CC



F11 FIXED DISPL AXIAL PISTON
PUMPS AND MOTORS 420 BAR OPEN-
CLOSED CIRCUIT 5-19 CC



F12 FIXED DISPL AXIAL PISTON
PUMPS AND MOTORS 480 BAR OPEN-
CLOSED CIRCUIT 30-250 CC



GOLD-CLIP MOTORS - 5000PSI OPEN-
CLOSED-CIRCUIT, VARIABLE-FIXED, 6
TO 30.6 IN/REV

BOMBAS PARA CAMIONES

SERIE F1



	F1-25	F1-30	F1-40	F1-50	F1-60	F1-110
Displacement [cm ³ /rev]	19.0	28.1	36.7	56.2	78.2	110.1
Max. pressure [bar]	350	350	350	350	350	350

SERIE F1plus



F1 - Tamaño	25	40	51	65	81	101
Desplazamiento [cm ³ /rev]	25.6	40.9	51.7	65.5	81.6	102.9
Caudal máximo [l/min]						
- en 250 bar	67	98	112	131	163.6	185.6
- en 400 bar	56	86	97	113	143	160
Máx. presión de trabajo [bar]						
- continua	350	350	350	350	350	350
- intermitente	400	400	400	400	400	400

SERIE F2plus



Frame size	F2-53/53	F2-70/05
Displacement [cm ³ /rev]		
Port A	54	69
Port B	52	36
Max operating pressure [bar]	350	350

BOMBA HIDRÁULICA

SERIE T1



Frame size	T1-50
Displacement [cm ³ /rev]	50.0
Operating pressure [bar]	
max intermittent	350
max continuous	200



BOMBA HIDRÁULICA

SERIE VP1

Frame size	VP1-45	VP1-75
Max displacement [cm ³ /rev]	45	75
Max pressure [bar]		
intermittent	350	350
continuous	300	300



BOMBAS DE CAUDAL FIJO

DIN

Bombas de pistón para sistemas hidráulicos de camión
SC de cilindrada fija hasta 108 cc
SCT de cilindrada fija hasta 130 cc



BOMBAS DE CAUDAL VARIABLE

DIN

Bomba variable con sensor de carga para sistemas
hidráulicos de camión

Tipos:

SVH 092 de cilindrada 92 cc
SVH 112 de cilindrada 112 cc



BOMBAS DE DOBLE CAUDAL



SC 75/75



SL



SL 200 Savtec



SC 56/26

BOMBAS / MOTORES DE PALETAS



GAMA DE PRODUCTOS

Serie 25M
Serie 35M
Serie 45M
Serie 50M



SERIE M2U

Hasta 2800 rpm
Hasta 700 lb-in Torque

BOMBAS



BOMBAS DOBLES

Serie V
Serie VQ
Serie VQM
Serie V2010



BOMBAS SIMPLES

Serie Gresen TB&TC
Serie V20
Serie 45V
Serie 25V
Serie 35V

DENISON Hydraulics

BOMBAS Y MOTORES DE PISTONES



SERIE PREMIERE

P05 P07 P09 P12 P16 P110 P140 P200 P260

Circuito abierto
Cubicajes de 80 a 260 cm³/rev.
Presión de trabajo:
420 bar en continuo
500 bar en intermitente



SERIE PV / PVT

Bombas caudal variable para circuito abierto
Cubicajes de 14,4 a 130 cm³/rev.
Presión de trabajo:
280 bar en continuo
310 bar en intermitente
Modelos:
PV6 PV10 PV15 PV20 PV25
PVT6 PVT10 PVT15 PVT20 PVT25 PVT35 PVT47 PVT64

BOMBAS Y MOTORES DE PALETA



BOMBAS DE PALETAS SIMPLES

Cubicajes desde 5,8 cm³/rev hasta 268,1 cm³/rev
Presión de trabajo hasta 320 bar
Series:
T6C / T6CM
T7B / T7BS
T6D / T6DM / T7D
T6E / T6EM / T7E



BOMBAS DE PALETAS DOBLES

Cubicajes desde 5,8 cm³/rev hasta 268,1 cm³/rev combinables en cada cartucho
Presión de trabajo hasta 320 bar
Series:
T6CC / T6CCM / T6TCB / T7BB
T6DC / T6DCM / T6TDB / T6TDC
T7DD / T7DB
T7EB / T6EC / T6ED / T7ED / T7EE



MOTORES DE PALETA

Cubicajes desde 12 a 45 cm³/rev.
Presión de trabajo hasta 320 bar (según modelo).
Series:
Serie M5B - M5BS - M5BF
Serie M5AF - M5AF1

BOMBAS DE PISTONES

Vickers® PVH Piston Pumps

57-161 cc³
0.5-6.8 in³

H-Series
Industrial Variable
Displacement

H-Series
Mobile Variable
Displacement



Q Series Piston Pumps
Variable Displacement

PVQ10
PVQ13

PVQ20
PVQ25

PVQ32
PVQ40

PVQ45



E Series Piston Pumps

PVE012, PVE19, PVE21



BOMBAS DE PISTÓN AXIAL

Fixed and Variable Displacement

PFB 5, PFB 10, PFB 20

PVB 5/6, PVB 10/15, PVB 20/29, PVB 45 and PVB 90 to SAE

PVB 5/6, PVB 10/15, PVB 20/29 to DIN/ISO 3019, Part 2



Vickers® VMQ Vane Pumps

Single 10 (0.62) to 240 cm³/r (3.68 cm³/r)
Double 20 (1.25) to 380 cm³/r (24.29 cm³/r)
Triple 110 (6.71) to 480 cm³/r (30.78 cm³/r)

Fixed Displacement
Industrial and
Mobile Applications



EATON Medium Duty Piston Pump

Model 70122, 70422, 70423 and 70523
Pressure and Pressure-Flow Compensated Piston Pumps



EATON Heavy Duty Hydrostatic Transmissions

Models 33 through 36
Hydrostatic Transmissions



Eaton® Char-Lynn® Low Speed, High Torque Motors

Spool Valve: J, H, S, T, VV Series
Disc Valve: 2,000, 4,000 Compact, Delta,
4,000, 6,000, 10,000 Series
VHS 30, VHS 40, VHS 45 Series





BOMBAS / MOTORES DE ENGRANAJE



GEAR PUMPS AND MOTORS 310 BAR
8-100 CC-EUROPE



GP-GEAR PUMPS TRUCK
APPLICATIONS 290 BAR 8-100 CC



POP-POM 500 SERIES



POP-POM 0300/0500 SERIES



POP-POM 300 SERIES



POP-POM 500 SERIES



POP-POM 600 SERIES



P4L SERIES



Serie : PM31, PM51 y PM76
Serie : PM315, PM330, PM350 y PM365
Serie : P430, P450 y P467



Serie : 1500, 2100, 2500, 3000, 3100, 3700, 5000, 5100, 5151, 7500 y 7600



Serie : 1600, 1900 y 2200



Nota: Construimos bombas / motores de engranaje en fundición. Trayendo muestra de unidad vieja. Cualquier marca con características similares

MOTORES DE GIRO LENTO



Metric units	US units									
	MS 02		MSE 02		MSE 03		MS 05		MSE 05	
Displacement (cm ³ /tr)	372	253	235	255	332	364	358	388	250	375
Max. torque (Nm)	1200	1500	1600	1800	2100	2300	2500	2700	1600	2700
Max. pressure (bar)	450		450		450		450		450	
Max. speed (tr/min)	500	400	372	343	275	250	230	283	255	250
Max. power (kW)	18		22		22		29		29	



Metric units	US units									
	MS 08		MSE 08		MS 11		MSE 11			
Displacement (cm ³ /tr)	467	627	702	780	857	934	1043	1146	1248	230
Max. torque (Nm)	3330	4480	5000	5580	6120	6630	6800	7280	7930	5320
Max. pressure (bar)	450		450		450		450		450	
Max. speed (tr/min)	210	200	185	170	155	140	130	110	105	200
Max. power (kW)	41		41		58		58		58	

BOMBAS AXIALES



		FMS0	FMS1	FMS2	FMS3	FMS5
Max. pressure	bar	200	250	250	250	250
	PSI	4 000	4 600	4 600	4 600	4 600
Displacement Min.	cm ³ /tr	7	7	20	35	55
Displacement Max.	cm ³ /tr	18	21	28	52	65
Displacement Min.	in ³ /rev	0.43	0.43	1.22	2.18	3.4
Displacement Max.	in ³ /rev	1.08	1.28	1.71	3.17	3.97
Max. rotation speed	rpm	3 600	3 600	3 600	3 600	3 600



MOTORES DE GIRO LENTO



HMB SERIES
Fixed displacement type

Low speed, high torque radial piston motors

Displacement: 50, 11,650 cc
Rated pressure: 23 MPa
Speed range: 1-500 rpm



HMC SERIES
Dual-displacement type

Low speed, high torque radial piston motors

Displacement: 60, 5,325 cc
Rated pressure: 23 MPa
Speed range: 1-500 rpm



HR SERIES
Rotary actuator

The Kawasaki rotary actuator operates with continuous strokes by creating seal around rotary motion through an arc of up to 280 degrees of total travel.

Rated Torque: 285 - 4,525 N.m
Rated pressure: 13.2 MPa
Shaft Position: 1.7(100° - 4.0(260°)
rad (deg)



MOTORES DE GIRO LENTO



SERIES

Series GM:

GM05 (40 - 200cc)
GM1 (100 - 320cc)
GM2 (200 - 630cc)
GM3 (350 - 1000cc)
GM4 (400 - 1300cc)
GM5A (525 - 2000cc)
GM6 (1700 - 3000cc)
GM7 (1400 - 4300cc)

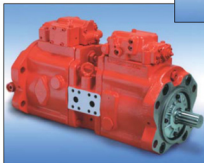
Series GS:

GS05 (40 - 110cc)
GS1 (100 - 250cc)
GS2 (200 - 500cc)
GS3 (350 - 700cc)
GS4 (400 - 1100cc)
GS5A (525 - 1800cc)
GS6 (1700 - 2500cc)
GS7 (1400 - 4300cc)

OTROS MOTORES DE GIRO LENTO:



BOMBAS / MOTORES



KYB

KOMATSU

VOLVO

LIEBHERR



CATERPILLAR®





**PISTON PUMP-OPEN CIRCUIT
FIXED DISPLACEMENT**
to 350 bar cont.

Model	c.c.	Max. speed
HTC6	6	4300
HTC12	10.9	4300
HTC20	19.6	4300
HTC30	30.0	3600
HTC40	40.1	3300
HTC55	54.8	2600
HTC75	75.3	2300
HTC90	87.0	2500
HTC108	107.5	2000
HTC160	160.8	1800
HTC225	225.1	1800



**PISTON PUMP-OPEN CIRCUIT
VARIABLE DISPLACEMENT**
to 350 bar cont.

Model	c.c.	Max. speed
SHOV32	32.0	3150
SHOV45	43.3	2700
SHOV50	49.7	2850
SHOV63	63.9	2500
SHOV75	75.0	2600
SHOV90	93.8	2350
*HTV108	107.5	2000
*HTV160	160.8	1800
*HTV225	225.1	1500

*Best Axis Design



**PISTON PUMP-CLOSED CIRCUIT
VARIABLE DISPLACEMENT**
to 420 bar cont.

Model	c.c.	Max. speed
SHOV75	75	3400
SHOV130	128	2850



**PISTON PUMP-CLOSED CIRCUIT
VARIABLE DISPLACEMENT**
to 250 bar cont.

Model	c.c.	Max. speed
ME10N14	14	3600
ME10N18	18	3600
ME10N21	21	3600
ME10N28	28	3600
ME10N50	50	3600
ME10N64	64	3600



COMPACT TRAVELLING MOTORS			
Model	G.P.R.	Force-lbm	
CTM1000	1.2 mm	50	
CTM1016	1.5 mm	40	
CTM1022	2.5 mm	75	



**PISTON MOTOR-CLOSED
CIRCUIT-FIXED DISPLACEMENT**
to 320 bar cont.

Model	c.c.	Max. speed
HAC75	74.3	3000
HAC90	89.6	2500



**PISTON MOTOR
FIXED DISPLACEMENT**
to 350 bar cont.

Model	c.c.	Max. speed
HTC6	6	5580
HTC12	10.9	5580
HTC20	19.6	5580
HTC30	30.0	4500
HTC40	40.1	4050
HTC55	54.8	3900
HTC75	75.3	3450
HTC90	87.0	3750
HTC108	107.5	3000
HTC160	160.8	2700
HTC225	225.1	2400



**PISTON MOTOR
VARIABLE DISPLACEMENT**
to 350 bar cont.

Model	c.c.	Max. Speed
HCV55	54.8	5100
HCV75	75.3	4600
HCV108	107.5	4200
HCV160	160.8	3600
HCV225	225.1	3300

PILAN®
Hydraulic Oil Coolers

**DISTRIBUIDOR OFICIAL
PARA ESPAÑA**



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PARKER - FLEETGUARD - WIX - DONALDSON - MANN - MAHLE
INTERNORMEN - FAIREY ARLOX - ARGO - MP FILTRI

TESTER DE COMPROBACIÓN



FABRICACIÓN DE CILINDROS Y REPARACIÓN



CILINDROS

ACOPLAMIENTOS

CENTIFUCK - **N**EUPEX - **R**ATCH





MODELO	VOL. de gas litros	PRESIÓN bar	PESO kg	G mas Cilindro	Dimensiones											
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
ENV 0.3-250/10	0.3	250	2.1	250.0	100.0	90.0	20.0	50.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 0.3-250/10	0.4	200	2.5	240.0	100.0	94.0	20.0	50.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 1-100/10	1	200	5.0	240.0	100.0	94.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 1-400/10	1.1	400	8.8	260.0	170.0	100.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 1.6-250/10	1.6	250	7.0	240.0	100.0	94.0	27.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 2.6-250/10	2.4	250	10.0	240.0	100.0	94.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 2.6-400/10	2.4	400	16.0	260.0	170.0	100.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 4-100/10	3.7	200	14.0	240.0	100.0	94.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 5-100/10	5	200	17.0	240.0	100.0	94.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 5-400/10	5	400	29.0	260.0	170.0	100.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 6-100/10	6	200	19.0	240.0	100.0	94.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 10-100/10	9.2	200	30.0	260.0	170.0	100.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 10-250/10	10	250	29.0	240.0	100.0	94.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 10-250/10	12	400	37.0	260.0	170.0	100.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 10-400/10	17.8	200	50.0	260.0	170.0	100.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 20-100/10	20	400	50.0	260.0	170.0	100.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 24.8-100/10	22.0	200	50.0	240.0	100.0	94.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 30-100/10	30	200	60.0	260.0	170.0	100.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 30-400/10	30	400	107.0	260.0	170.0	100.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 50-100/10	48.0	200	100.0	260.0	170.0	100.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 50-100/10	50	400	100.0	260.0	170.0	100.0	40.0	100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

MODELO	VOL. de Gas lit	PRESIÓN bar	Baterías de Carga rápida	Peso kg	Dimensiones											
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
ENV 0.3-250/10	0.3	250	0.1	0.2	11.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 0.3-250/10	0.4	200	0.1	1.0	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 1-100/10	1	200	0.1	1.4	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 1-400/10	1.1	400	0.1	1.4	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 1.6-250/10	1.6	250	0.1	1.4	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 2.6-250/10	2.4	250	0.1	2.6	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 2.6-400/10	2.4	400	0.1	2.6	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 4-100/10	3.7	200	0.1	3.5	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 5-100/10	5	200	0.1	3.5	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 5-400/10	5	400	0.1	3.5	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 6-100/10	6	200	0.1	4.2	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 10-100/10	9.2	200	0.1	4.2	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 10-250/10	10	250	0.1	4.2	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 10-250/10	12	400	0.1	4.2	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 10-400/10	17.8	200	0.1	4.2	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 20-100/10	20	400	0.1	4.2	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 24.8-100/10	22.0	200	0.1	4.2	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 30-100/10	30	200	0.1	4.2	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 30-400/10	30	400	0.1	4.2	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 50-100/10	48.0	200	0.1	4.2	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
ENV 50-100/10	50	400	0.1	4.2	10.0	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

**REPARACIÓN Y
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Y CARGA DE HIDRÓGENO**

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VERIFICADOR DE HINCHADO UNIVERSAL

Tipo VG1:
340 bar - 600 bar

VERIFICADOR DE HINCHADO UNIVERSAL

Tipo VG2:
340 bar



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P. NETO: 470 €



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motor...)

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- cuenta revoluciones 10.000 r.p.m
- sensor de temperatura 125 °C

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