

ECO-UNIC

(0.995t x 3.5m)
(2.9t x 1.4m)

- Total width 0.75m
- Max working radius 8.41m
- Multi-position configurable outriggers (Eco-095)
- Operator control of outrigger extension
- Intelligent voice warning system
- Preliminary stability warning system with motion cut
- Radio remote control as standard
- Working area limitation (Eco-295)
- Optional slew limitation (Eco-295)

Capacity 0.995t x 3.5m (095)
Capacity 2.9t x 1.4m (295)

Max Boom Length 8.65m

Max Lifting Height 8.9m

Weight 2425kg

Digital battery gauge

Optional searcher hook
& fly jib

Lifting capacity 700kg (max)
Length 1500mm
Weight 40kg
Tilt angles 0°, 20°, 40°, 60°



Introducing the latest in mini crane engineering, the UNIC battery powered Eco-095 and Eco-295 models provide fume-free lifting for sensitive environments. Ideal for food processing plants, listed buildings, shopping centres, airports and clean environments, these unique mini cranes are powered by a rechargeable 48v battery yet retain all the lifting power of our standard models. Innovative features include low-marking wheels which enable the cranes to work on light-coloured or polished surfaces.



ADDITIONAL FEATURES



Radio remote control



Full safe load indicator
(Eco-295 only)



Full safe load indicator
(Eco-295-2 only)

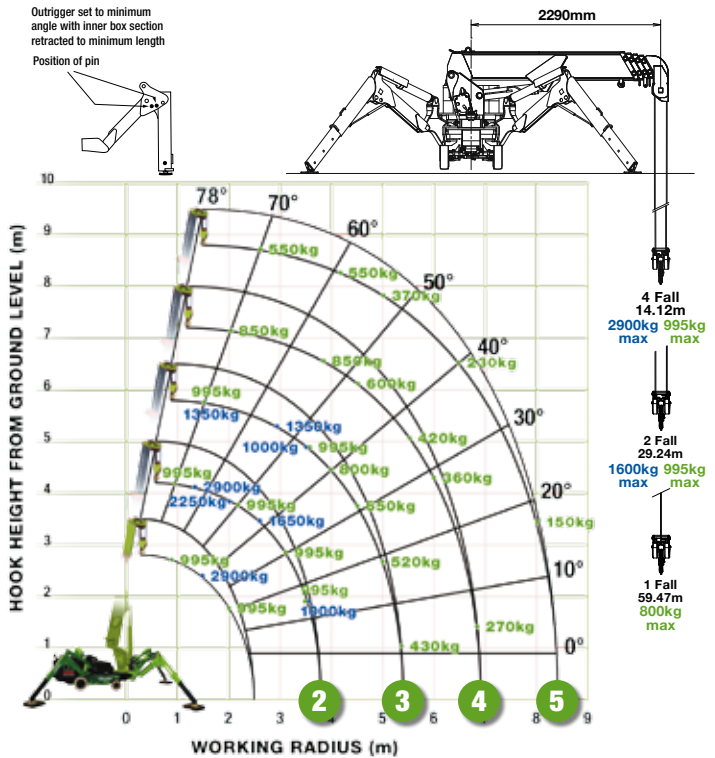
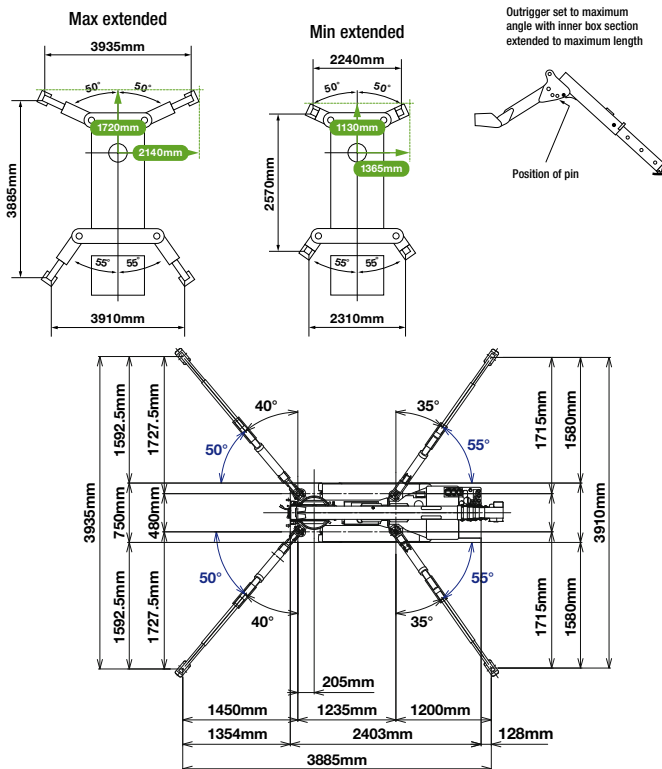
CRANE SPECIFICATIONS

Crane capacity	Eco-095: Eco-295:	0.995t x 3.5m 2.9t x 1.4m
Max working radius	max:	8.41m
Max lifting height	max:	8.9m
Rope length	max:	14.12m (4 fall), 29.24m (2 fall), 59.47m (1 fall)
Dimensions	folded:	2730mm (l) x 750mm (w) x 1560mm (h)
Weight	unladen:	2425kg (2490kg with jib)
Point loadings	Due to the many variables involved, point loadings are only available on request	
Hook speed	approx:	4.7m/min (with 4 layers and 4 falls)
Telescopic system	boom length: telescoping speed: boom type:	2.53 - 8.65m 6.12m/40 seconds 5 section hydraulically telescoping boom, hexagonal box construction
Derricking angle/speed	approx:	0 - 78°/21 seconds
Slewing angle/speed	approx:	360° (continuous) 1.5 rpm
Travelling system	drive: travel speed: steering angle: min. turning radius: gradeability:	hydraulic motor wheeled drive 1.5-1.8km/h 50° left and 50° right outer 1990mm x inner 510mm ± 20° (vertical) 10° (traverse)
Size of tyres	front: rear:	4.00-8 (wheel RIM 3.00 D-8) 3.50-5 (wheel RIM 3.00 SP-5)
Power source	power: voltage:	3.1kW (AC motor) 48v DC rechargeable battery
Battery charger	charger:	200/240v single phase (15A)
Standard equipment Eco-095	radio remote control, overwinding alarm, computer controlled intelligent voice warning system, multi-function operation by radio remote control, intelligent throttle activation, automatic hook stow, load indication, turn-over protection system with stability warning lamps and alarm	
Standard equipment Eco-295	computer controlled moment limiter (safe load indicator), radio remote control, overwinding alarm, computer controlled intelligent voice warning system, multi-function operation by radio remote control, intelligent throttle activation, automatic hook stow, overload warning alarms, overload warning lamps, working area limitation	
Optional equipment	1 fall hook block, 2 fall hook block, 300kg capacity small searcher hook, 700kg capacity searcher hook, 700kg capacity fly jib with single part line, 600kg capacity hydraulic fly jib (Eco-295-2 only)	

MINI SPIDER CRANE



RATED LOADS & OUTRIGGER POSITIONS



* Loads shown in blue are applicable for the Eco-295 only. All other loads shown in green apply to both the Eco-095 and the Eco-295.

SECOND STAGE EXTENDED 2.53 - 4.075M BOOM LENGTH

Working radius	m	up to 1.0	1.4	1.5	1.8	2.0	2.5	3.0	3.5	3.835
Outrigger	kg	995 (2,900)	995 (2,900)	995 (2,650)	995 (2,250)	995 (2,050)	995 (1,650)	995 (1,300)	995 (1,000)	900
Min-extended	kg	995 (2,000)	995 (2,000)	995 (2,000)	995 (1,450)	995 (1,100)	650	490	350	250

* Loads shown in blue are applicable for the Eco-295 only. All other loads shown in black apply to both the Eco-095 and the Eco-295.

THIRD STAGE EXTENDED 4.075 - 5.61M BOOM LENGTH

Working radius	m	up to 2.2	2.5	2.9	3.0	3.5	4.0	4.5	5.0	5.37
Outrigger	kg	995 (1,350)	995 (1,350)	995 (1,350)	995 (1,250)	995 (1,000)	800	650	520	430
Min-extended	kg	800	650	530	500	380	280	220	160	120

FOURTH STAGE EXTENDED 5.61 - 7.13M BOOM LENGTH

Working radius	m	up to 3.3	3.8	4.0	4.5	5.0	5.5	6.0	6.5	6.89
Outrigger	kg	850	850	750	600	500	420	360	320	270
Min-extended	kg	420	340	300	250	190	140	100	80	60

FIFTH STAGE EXTENDED 7.13 - 8.65M BOOM LENGTH

Working radius	m	up to 3.8	4.1	4.5	5.0	5.5	6.0	6.5	7.0	8.0	8.41
Outrigger	kg	550	550	450	370	310	270	230	200	150	130
Min-extended	kg	350	290	250	200	160	130	100	70	40	30

SEARCHER HOOK SMALL - 300kg

Stowed position



In operation



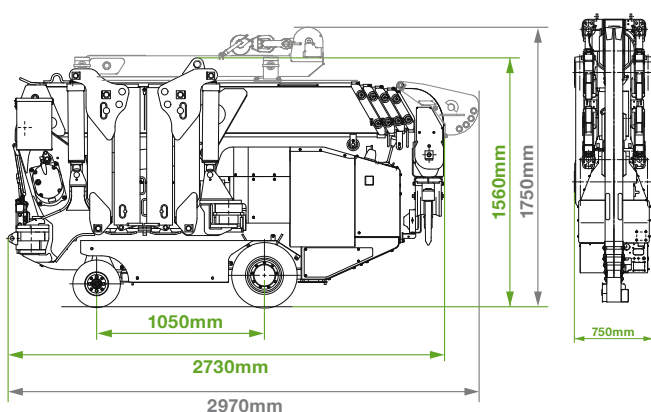
Lifting capacity 300kg (max)

Length 500mm

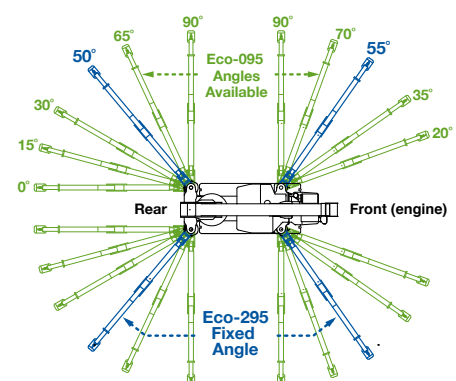
Weight 15kg

Tilt angles 0°, 20°, 40°, 60°

DIMENSIONS



OUTRIGGER POSITIONS



SEARCHER HOOKS & FLY JIBS - RATED LOADS

URW-095 & URW-295
300kg Searcher Hook - 500mm
All Booms

300kg SEARCHER HOOK - RADIUS RATED		
NET RATED LOADS (kg)		
WORKING RADIUS M	OUTRIGGERS MAX-EXTENDED	OUTRIGGERS NOT MAX-EXTENDED
3.5	300	300
4.0	300	220
4.5	300	170
5.0	300	120
5.5	300	90
6.0	260	60
6.5	220	50
7.0	180	NOT ALLOWED
8.0	130	
8.91	100	

URW-095 & URW-295 - 700kg Searcher Hook - 1500mm

1st To 4th Boom

700kg SEARCHER HOOK - RADIUS RATED		
NET RATED LOADS (KG)		
WORKING RADIUS M	OUTRIGGERS MAX-EXTENDED	OUTRIGGERS NOT MAX-EXTENDED
3.8	700	300
4.0	700	220
4.5	500	170
5.0	400	120
5.5	330	90
6.0	260	60
6.5	220	50
7.0	180	NOT ALLOWED
8.0	130	
8.39	100	

5th Boom Only

700kg SEARCHER HOOK - RADIUS RATED		
NET RATED LOADS (kg)		
WORKING RADIUS M	OUTRIGGERS MAX-EXTENDED	OUTRIGGERS NOT MAX-EXTENDED
3.8	500	300
4.0	450	220
4.5	400	170
5.0	320	120
5.5	260	90
6.0	220	60
6.5	180	50
7.0	130	NOT ALLOWED
8.0	100	
8.39	50	

URW-095 & URW-295 - 700kg Fly Jib - 1500mm

1st to 4th Boom Sections

700kg FLY JIB - ANGLE RATED					
NET RATED LOADS (kg) AT EXTENSION JIB ANGLE					
BOOM ANGLE (DEG)	0°	20°	40°	60°	
78°	700	700	700	700	
75°	700	700	700	700	
70°	700	700	700	700	
65°	500	500	500	500	
60°	350	350	350	350	
55°	250	250			
50°	200	200			
40°					
30°					
20°					

5th Boom Section Only

700kg FLY JIB - ANGLE RATED					
NET RATED LOADS (KG) AT EXTENSION JIB ANGLE					
BOOM ANGLE (DEG)	0°	20°	40°	60°	
78°	400	400	400	400	
75°	400	400	400	400	
70°	400	400	400	400	
65°	250	250	250	250	
60°	200	200	200	200	
55°	150	150			
50°	100	100			
40°					
30°					
20°					

URW-295-2 - 600kg Hydraulic Fly Jib (1) - 1771mm

1st To 4th Boom Sections

600kg FLY JIB - ANGLE RATED					
NET RATED LOADS (kg) AT EXTENSION JIB ANGLE					
BOOM ANGLE (DEG)	0°	20°	40°	60°	
78°	600	420	330	320	
75°	560	370	300		
70°	430	310	260		
65°	350	260	230		
60°	280	230	200		
55°	240	200			
50°	200	180			
45°	180	160			
40°	150	140			
35°	140				
30°	120				
25°	110				
20°	110				
15°					

5th Section Boom Only

600kg FLY JIB - ANGLE RATED					
NET RATED LOADS (kg) AT EXTENSION JIB ANGLE					
BOOM ANGLE (DEG)	0°	20°	40°	60°	
78°	420	340	290	280	
75°	320	270	250		
70°	210	190	180		
65°	150	130	130		
60°	100	100	100		
55°	90	70			
50°					
45°					
40°					
35°					
30°					
25°					
20°					
15°					

URW-295-2 - 600kg Hydraulic Fly Jib (1+2) - 2811mm

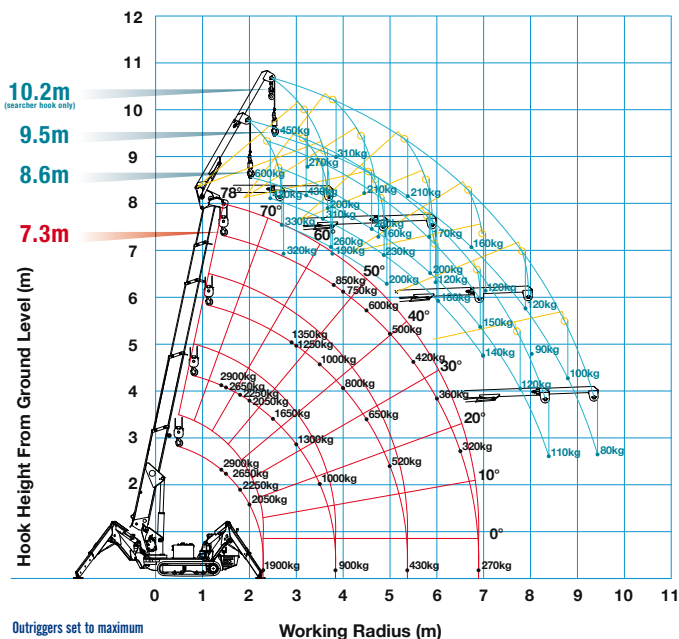
1st To 4th Boom Sections

600kg FLY JIB - ANGLE RATED					
NET RATED LOADS (kg) AT EXTENSION JIB ANGLE					
BOOM ANGLE (DEG)	0°	20°	40°	60°	
78°	450	270	200	190	
75°	380	240	180		
70°	310	210	160		
65°	260	180	140		
60°	210	170	120		
55°	180	130			
50°	160	120			
45°	140	100			
40°	120	90			
35°	110				
30°	100				
25°	90				
20°	80				
15°					

5th Section Boom Only

600kg FLY JIB - ANGLE RATED					
NET RATED LOADS (kg) AT EXTENSION JIB ANGLE					
BOOM ANGLE (DEG)	0°	20°	40°	60°	
78°	290	220	180	170	
75°	220	170	150		
70°	140	120	100		
65°	90	80	70		
60°	60	60	50		
55°	40	40			
50°					
45°					
40°					
35°					
30°					
25°					
20°					
15°					

URW-295-2 HYDRAULIC FLY JIB WORKING RANGE - 4 SECTIONS BOOM



URW-295-2 HYDRAULIC FLY JIB WORKING RANGE - 5 SECTIONS BOOM

