

HIRD

URW-706 (6.0t x 3.0m)

UNIC Mini Crane

www.hird.co.uk

The URW706 is the heavyweight in Hird's mini crane fleet. With a lifting capacity of up to 6.0t, a true leader in its class. Other features include a 19.2m boom length & extendable Fly jib / Searcher Hook as standard, perfect if extra muscle is required.



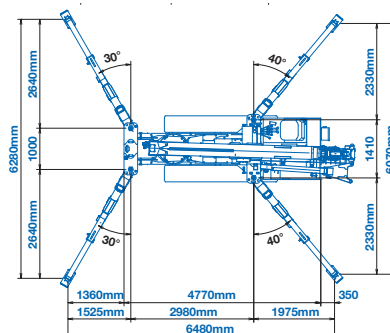
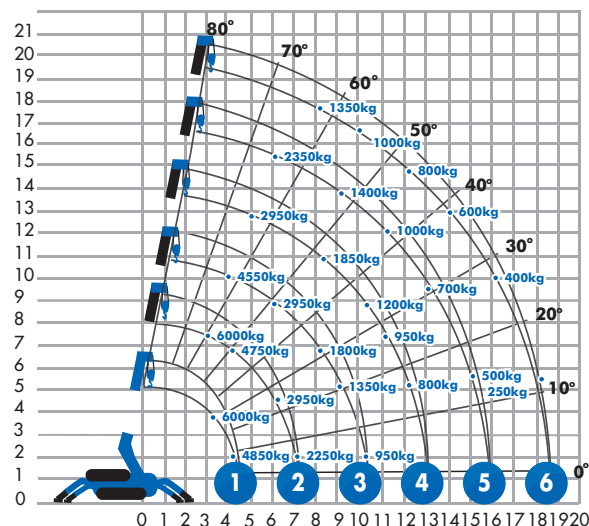
6.0t x 3.0m

Capacity: 6.0t x 3m
Width: 1.67m
Boom length (max): 19.2m
Working radius (max): 18.6m
Power options: Diesel or Electric Mains

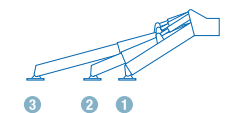
- Fly jib and searcher hook provides extended range and precise positioning
- Remote control operation or on-board operator seat
- Will go through standard double doorway
- Intelligent throttle system

For further information on all mini cranes please call our customer services

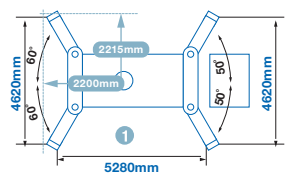
Rated Loads



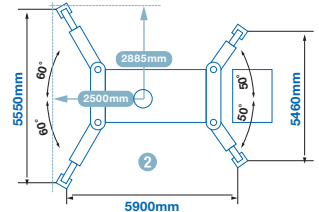
Outrigger Positions



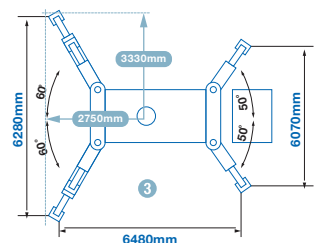
Min Extended



Mid Extended



Max Extended



URW-706 (6.0t x 3.0m) Standard Specifications

Crane capacity	capacity:	6.0t x 3.0m
Max working radius	max:	18.6m
Max lifting height	approx:	19.5m (22.7m with extension jib)
Rope length	max:	23.75m (4 fall), 49.5m (2 fall), 101m (1 fall)
Dimensions	folded:	5610mm (l) x 1670mm (w) x 2185mm (h)
Weight	unladen:	7920kg (8070kg with electric option) + 230kg (8310kg with searcher hook and fly jib attached)
Point loadings	Due to the many variables involved, point loadings are only available on request	
Hook speed	approx:	11m/min (with 5 layers and 4 falls)
Telescopic system	boom length:	4.80 - 19.20m
	telescopic speed:	14.4m/52 seconds
	boom type:	6-section hydraulic telescopic boom, hexagonal box construction
Derricking angle/speed	approx:	0 - 80°/16.0 seconds
Slewing angle/speed	approx:	360° (continuous) 2.5min (rpm)
Traction system	drive:	hydrostatic 2-speed, stepless forward and reverse
	travel speed:	0 - 2.9km/h
	gradability:	23°
	track ground length:	2240mm
	track ground pressure:	43.6kPa (0.44kg/cm ²)
	track width:	400mm
Engine	manufacturer:	Mitsubishi
	fuel:	diesel (electric dual power option)
	maximum output:	23.5kW
	starting method:	(32.0PS) / 2500min (rpm) electric
	tank capacity:	74 litres
Electric motor	power:	7.5kW
	voltage:	400v AC 50/60hz
Standard equipment	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 device, overload warning lamps, working area limitation	
Optional equipment	1 fall hook block, 2 fall hook block, mains electric dual power (400v), low marking tracks, slew limitation, searcher hook 800kg, fly jib 800kg with single part line, radio remote control with feedback display, data logging	

UNIC Mini Cranes



The UNIC 706 is the largest mini crane in the Hird fleet offering a maximum lifting height of 22.7m.

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First stage extended 4.8m boom length

Working radius	m	up to	2.7	3.0	3.5	4.0	4.3
Outrigger	Max-extended	kg	6,000	6,000	5,450	4,850	3,950
	Mid-extended	kg	6,000	6,000	5,450	4,850	3,950
	Min-extended	kg	6,000	6,000	5,450	4,550	3,750

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Second stage extended 4.8 - 7.7m boom length

Working radius	m	up to	2.0	3.0	3.5	4.0	5.0	6.0	7.0	7.2
Outrigger	Max-extended	kg	6,000	6,000	5,350	4,750	3,750	2,950	2,250	2,000
	Mid-extended	kg	6,000	6,000	5,350	4,750	3,750	2,450	1,700	1,550
	Min-extended	kg	6,000	6,000	5,350	4,650	2,550	1,650	1,150	1,050

3

Third stage extended 7.7 - 10.6m boom length

Working radius	m	up to	2.7	4.0	5.0	6.0	7.0	8.0	9.0	10.0	10.1
Outrigger	Max-extended	kg	4,550	4,550	3,650	2,950	2,400	1,800	1,350	950	950
	Mid-extended	kg	4,550	4,550	3,650	2,550	1,750	1,300	950	700	700
	Min-extended	kg	4,550	4,550	2,650	1,700	1,200	850	650	450	400

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Fourth stage extended 10.6 - 13.5m boom length

Working radius	m	up to	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	12.9
Outrigger	Max-extended	kg	2,950	2,550	2,150	1,850	1,500	1,200	950	800	450
	Mid-extended	kg	2,950	2,550	1,850	1,400	1,100	850	650	550	400
	Min-extended	kg	2,750	1,850	1,300	1,000	750	550	430	330	240

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Fifth stage extended 13.5 - 16.3m boom length

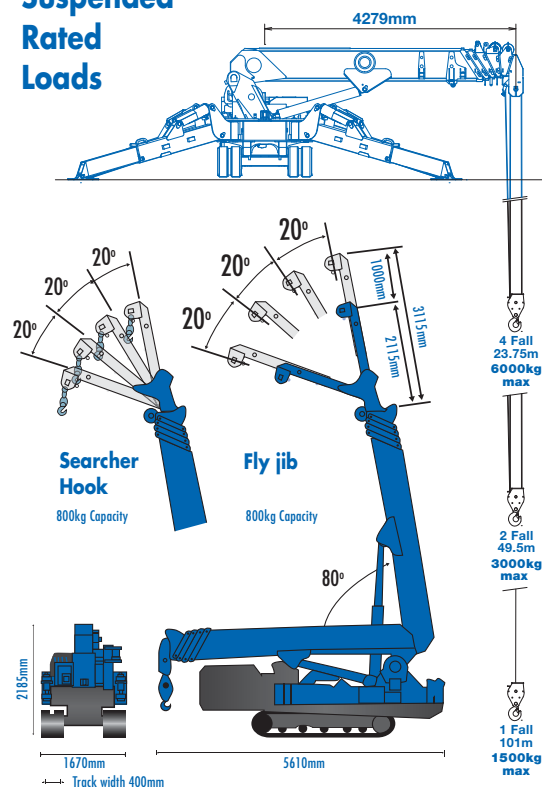
Working radius	m	up to	6.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	15.8
Outrigger	Max-extended	kg	2,350	1,700	1,400	1,200	1,000	850	700	600	500	400
	Mid-extended	kg	2,350	1,500	1,150	950	750	600	500	400	300	250
	Min-extended	kg	1,950	1,050	800	650	500	400	300	230	170	130

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Sixth stage extended 16.3 - 19.2m boom length

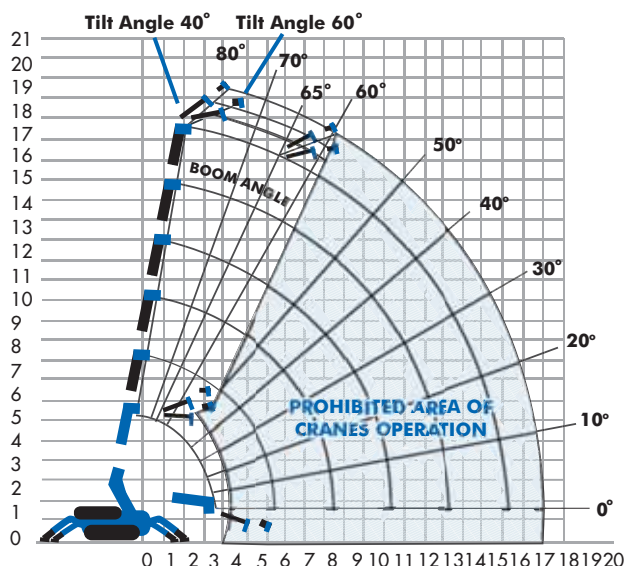
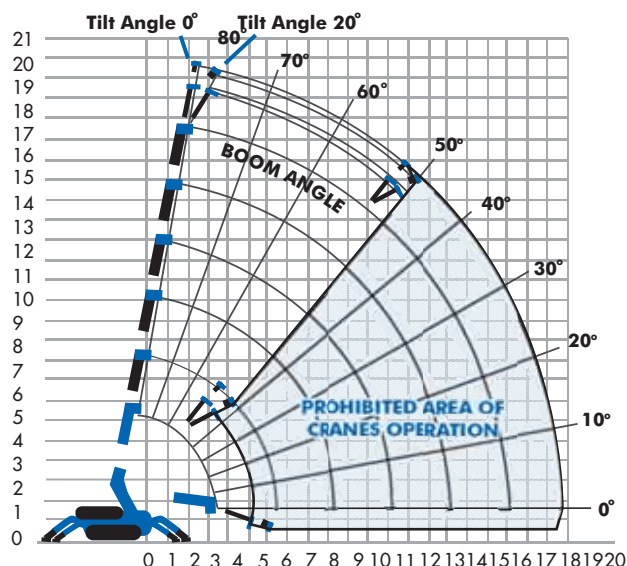
Working radius	m	up to	8.0	10.0	12.0	14.0	16.0	18.0	18.6
Outrigger	Max-extended	kg	1,350	1,000	800	600	400	250	200
	Mid-extended	kg	1,350	1,000	650	450	300	200	150
	Min-extended	kg	1,100	700	450	280	170	90	60

Suspended Rated Loads



CPCS - A66 compact crane endorsement A

Optional Extension Fly Jib / Searcher Hook - Working Range



Angled rated Net rated loads (kg) at extension jib angle

Boom Angle	0°	20°	40°	60°
80°	800	800	600	600
75°	800	800	600	600
70°	700	700	500	500
65°	600	600	400	400
60°	500	500		
55°	400	400		
50°	300	300		
40°				
30°				
20°				
10°				
0°				

Prohibited

Radius rated

Working Radius (m)

7.0
8.0
9.0
10.0
10.5
11.0
11.5
12.0
13.0
14.0
15.0
16.0
17.0
18.0
20.0

Searcher hook net rated loads (kg)

Outriggers	Outriggers	Outriggers
Max-Extended	Mid-Extended	Min-Extended
800	800	800
800	800	610
800	700	420
800	550	250
800	490	200
650	430	160
550	370	120
330	310	100
330	230	
260	150	
210	100	
170		
130		
100		

Prohibited

Technical Specifications

Lifting capacity	800kg
Jib length	retracted 2.1m
	extracted 3.11m
Weight	205kg
Tilt Angles	0°, 20°, 40°, 60°

Technical Specifications

Lifting capacity	800kg
Length	2.21m
Weight	25kg (excluding bracket and first section)
Tilt Angles	0°, 20°, 40°, 60°
	0° (prohibited boom angles 40° - 60°)
	20° (prohibited boom angles 60° - 80°)
	40°, 60° (operation possible with all boom angles)