

URW-706 (6.0t x 3.0m)

MINI SPIDER CRANE

- Total width 1.67m
- Max working radius 18.6m
- Diesel powered and optional mains electric
- Zero length increase with electric option
- Radio remote control as standard
- Working area limitation
- Stowable fly (extension) jib (optional)
- Searcher hook (optional)
- Slew limitation (optional)
- Intelligent throttle activation for economy and ecology



Safe load indicator



Max Boom Length 19.2m

Max Lifting Height 19.5m
(22.7m with extension jib)

Capacity 6.0t x 3.0m

Weight 7920 - 8310kg



The URW-706 sets the highest standard of lifting capability in the mini crane world. With a 6 tonne capacity at 3.0m and a hook height of 19.5m it is the highest capacity UNIC crane, yet at 1670mm wide it is still narrow enough to gain access through a standard double doorway. For added lifting flexibility the URW-706 also features an optional searcher hook and a 3.1m long swing away fly jib, providing a maximum hook height of 22.7m.

REMOTES



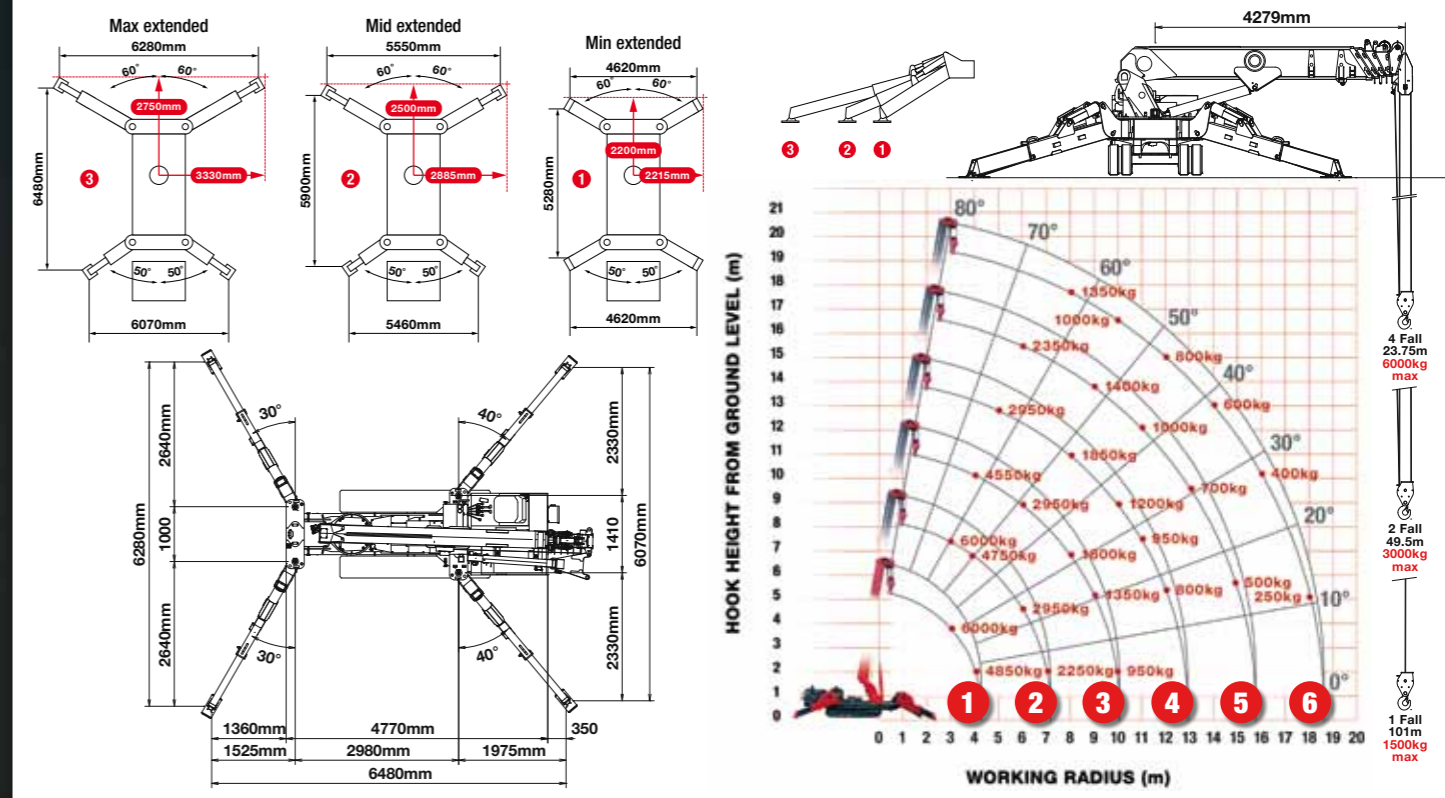
Standard radio remote control



Optional radio remote control with digital feedback

CRANE SPECIFICATIONS		
Crane capacity	capacity:	6.0t x 3.0m
Max working radius	max:	18.6m
Max lifting height	approx:	19.5m (22.7m with second stage fly 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 + 160kg (8080kg 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
	telescoping speed:	14.4m/52 seconds
	boom type:	6 section hydraulically telescoping 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 (32.0PS) / 2500min rpm
	starting method:	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 alarms, 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	

RATED LOADS & OUTRIGGER POSITIONS



FIRST STAGE EXTENDED 4.8M BOOM LENGTH						
Working radius	m	up to 2.7	3.0	3.5	4.0	4.3
Outrigger	kg	6,000	6,000	5,450	4,850	3,950
	kg	6,000	6,000	5,450	4,850	3,950
	kg	6,000	6,000	5,450	4,550	3,750

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	kg	6,000	6,000	5,350	4,750	3,750	2,950	2,250	2,000
	kg	6,000	6,000	5,350	4,750	3,750	2,450	1,700	1,550
	kg	6,000	6,000	5,350	4,650	2,550	1,650	1,150	1,050

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	kg	4,550	4,550	3,650	2,950	2,400	1,800	1,350	950	950
	kg	4,550	4,550	3,650	2,550	1,750	1,300	950	700	700
	kg	4,550	4,550	2,650	1,700	1,200	850	650	450	400

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	kg	2,950	2,550	2,150	1,850	1,500	1,200	950	800	450	
	kg	2,950	2,550	1,850	1,400	1,100	850	650	550	400	
	kg	2,750	1,850	1,300	1,000	750	550	430	330	240	

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	kg	2,350	1,700	1,400	1,200	1,000	850	700	600	500	400	
	kg	2,350	1,500	1,150	950	750	600	500	400	300	250	
	kg	1,950	1,050	800	650	500	400	300	230	170	130	

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	kg	1,350	1,000	800	600	400	250	200
	kg	1,350	1,000	650	450	300	200	150
	kg	1,100	700	450	280	170	90	60



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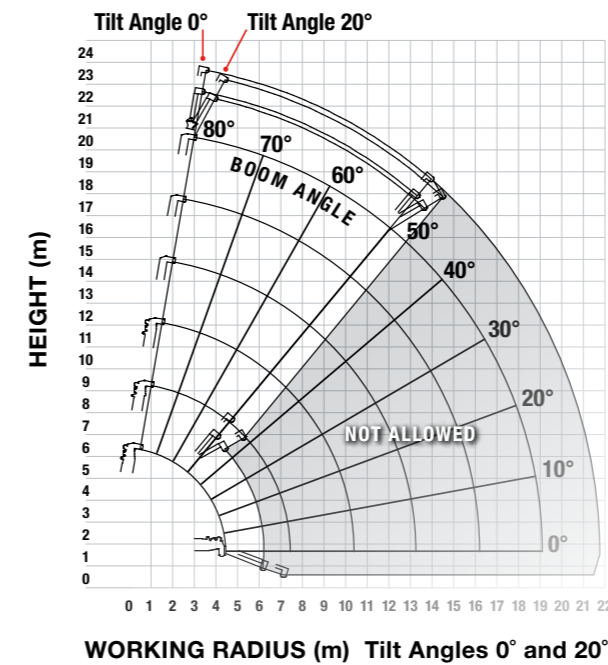
Shockless damping system for smooth stop when operated via remote control



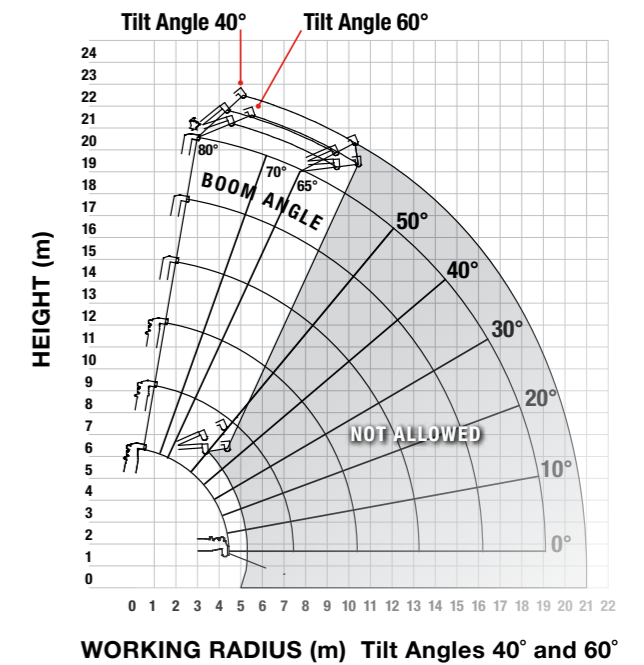
The UNIC URW-706 features an optional 3.1m long swing away fly jib, together with an optional searcher hook, providing a maximum hook height of 22.7m.

The standard UNIC URW-706 provides a maximum hook height of 19.5m.

OPTIONAL FLY JIB WORKING RANGE - 0° & 20°



OPTIONAL FLY JIB WORKING RANGE - 40° & 60°



Note: The above figures are based on a no-load condition and do not include the deflection of the boom.



DIMENSIONS

Searcher Hook
800kg Capacity

Fly Jib
800kg Capacity

2185mm
1670mm
Track Width 400mm
5610mm
80°

FLY JIB - ANGLE RATED

ANGLE RATED	NET RATED LOADS (kg) AT EXTENSION JIB 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	NOT ALLOWED	
55°	400	400		
50°	300	300		

Lifting capacity 800kg
Jib length retracted: 2.11m, extended: 3.11m
Weight 205kg
Tilt angles 0°, 20°, 40°, 60°



SEARCHER HOOK - RADIUS RATED

RADIUS RATED	SEARCHER HOOK NET RATED LOADS (kg)		
	OUTRIGGERS MAX-EXTENDED	OUTRIGGERS MID-EXTENDED	OUTRIGGERS MIN-EXTENDED
WORKING RADIUS m			
7.0	800	800	800
8.0	800	800	610
9.0	800	700	420
10.0	800	550	250
10.5	800	490	200
11.0	650	430	160
11.5	550	370	120
12.0	470	310	100
13.0	330	230	NOT ALLOWED
14.0	260	150	
15.0	210	100	

Lifting capacity 800kg
Length 2.21m

