

URW-706 & 706-VF

(6.0t x 3.0m)

- 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



Variable Footprint 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 is a lifting heavyweight in the mini crane world. With a 6 tonne capacity at 3.0m and a hook height of 19.5m it is one of the highest capacity UNIC cranes in the range, 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.



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 manual fly jib)
	URW-706-2:	19.5m (25.2m with hydraulic fly jib, 25.9m with fixed hook)
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
	gradeability:	± 20° (vertical) 20° (traverse)
	track ground length:	2240mm
	track ground pressure:	43.6kPa (0.44kg/cm²)
	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:	75kW
	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, 800kg capacity hydraulic fly jib (706-2), radio remote control with feedback display, data logging, forward facing camera, variable footprint option	

REMOTES



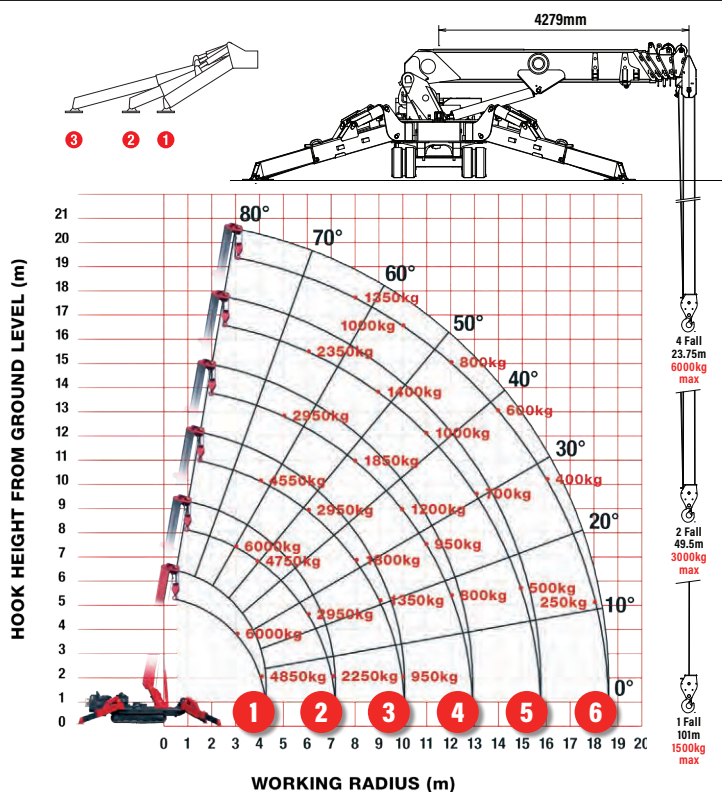
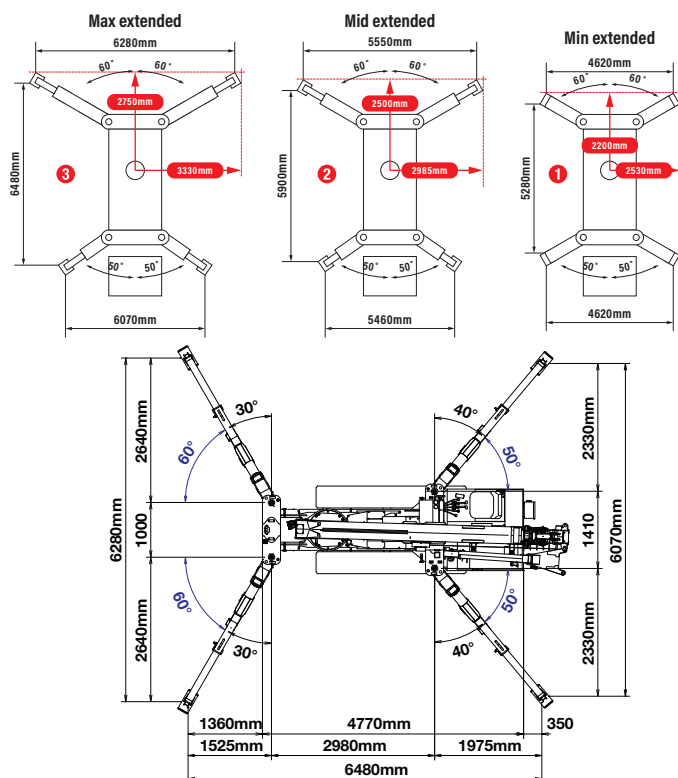
Standard radio remote control



Optional radio remote control with digital feedback

MINI SPIDER CRANE

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						
Max-extended	kg	6000	6000	5450	4850	3950
Mid-extended	kg	6000	6000	5450	4850	3950
Min-extended	kg	6000	6000	5450	4550	3750

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	6000	6000	5350	4750	3750	2950	2250	2000
Mid-extended	kg	6000	6000	5350	4750	3750	2450	1700	1550
Min-extended	kg	6000	6000	5350	4650	2550	1650	1150	1050

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	4550	4550	3650	2950	2400	1800	1350	950	950
Mid-extended	kg	4550	4550	3650	2550	1750	1300	950	700	700
Min-extended	kg	4550	4550	2650	1700	1200	850	650	450	400

FOURTH STAGE EXTENDED 10.6 - 13.5m BOOM LENGTH

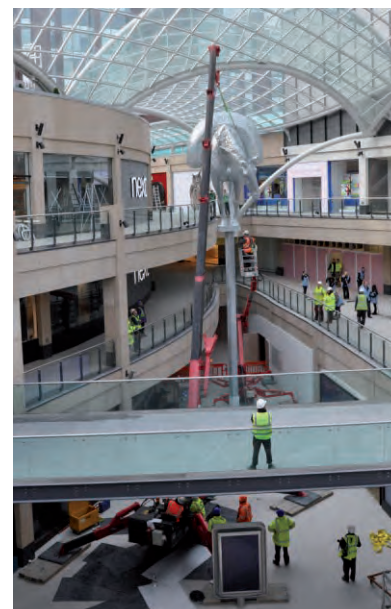
Working radius	m	up to 5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	12.9
Outrigger										
Max-extended	kg	2950	2550	2150	1850	1500	1200	950	800	450
Mid-extended	kg	2950	2550	1850	1400	1100	850	650	550	400
Min-extended	kg	2750	1850	1300	1000	750	550	430	330	240

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											
Max-extended	kg	2350	1700	1400	1200	1000	850	700	600	500	400
Mid-extended	kg	2350	1500	1150	950	750	600	500	400	300	250
Min-extended	kg	1950	1050	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								
Max-extended	kg	1350	1000	800	600	400	250	200
Mid-extended	kg	1350	1000	650	450	300	200	150
Min-extended	kg	1100	700	450	280	170	90	60



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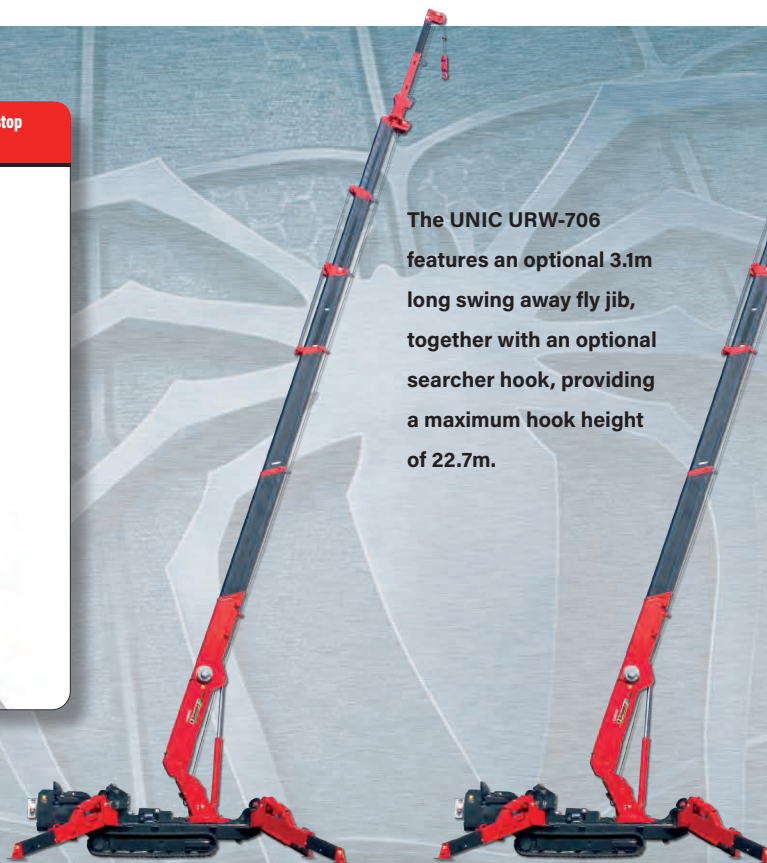
(6.0t x 3.0m)

Shockless damping system for smooth stop when operated via remote control

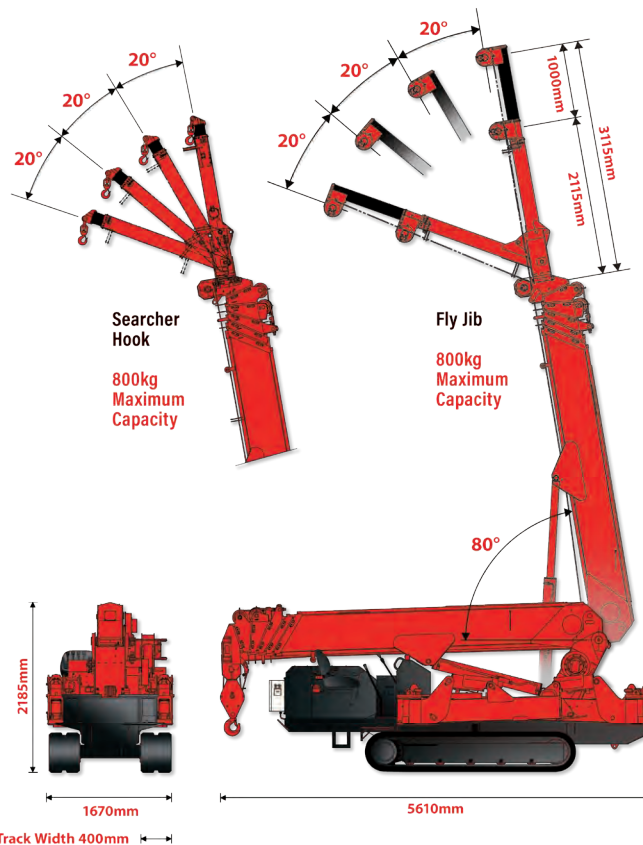


The UNIC URW-706 features an optional 3.1m long swing away fly jib, together with an optional searcher hook, providing a maximum hook height of 22.7m.

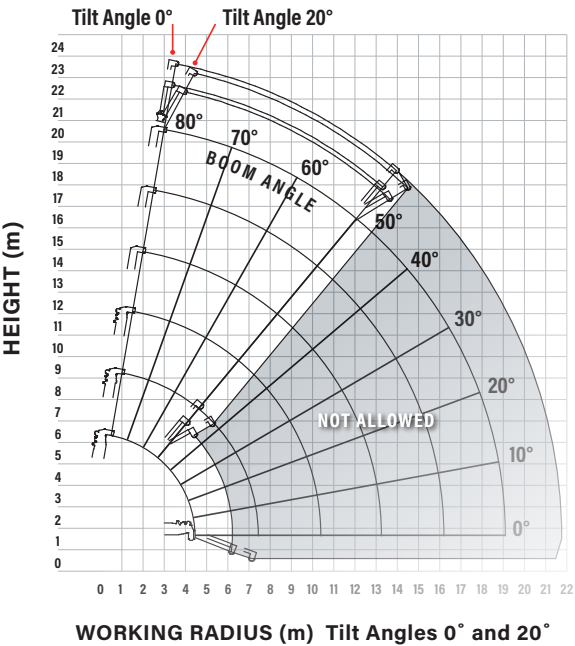
The standard UNIC URW-706 provides a maximum hook height of 19.5m.



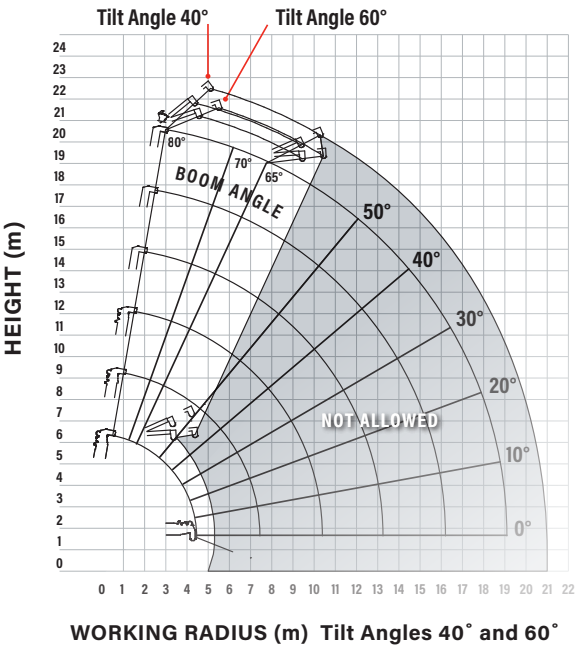
DIMENSIONS



MANUAL FLY JIB WORKING RANGE - 0° & 20°



MANUAL 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.

FLY JIB - ANGLE RATED				
ANGLE 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	NOT ALLOWED	
55°	400	400		
50°	300	300		
Lifting capacity 800kg Jib length retracted: 2.1m extended: 3.1m Weight 205kg Tilt angles 0°, 20°, 40°, 60°				



SEARCHER HOOK - RADIUS RATED			
RADIUS RATED	SEARCHER HOOK NET RATED LOADS (kg)		
			
WORKING RADIUS (m)	OUTRIGGERS MAX-EXTENDED	OUTRIGGERS MID-EXTENDED	OUTRIGGERS MIN-EXTENDED
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		

Fly jib stowed position

