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ركز الجودة للمقاولات العامة Rakaz Al Joudah General Contracting

C.R. No: 2050175808

VAT NO: 301143888700003

7279 Al Khobar Al Janubiyah

5207 Al khobar 34622

Saudi Arabia

السجل التجاري: ٢٠٥٠١٧٥٨٠٨

الرقم الضريبي: ٣٠١١٤٣٨٨٨٧٠٠٠٣

٧٢٧٩ الخبر جنوبية

٥٢٠٧ الخبر ٣٤٦٢٢

المملكة العربية السعودية

Datasheet

Spider Plus URW-506 Spider Crane for Rent

Brand: Spider Plus



Short Description

Spider Plus URW-506 is a compact spider crane for tight-access lifting and indoor/outdoor installation work. It features a **15.71 m** boom, up to **16 m** lifting height, and a maximum working radius of **15.52 m**, with lifting capacity up to **3.0 t @ 3.4 m**. Standard power is **diesel**, with an **optional mains electric** setup, and its narrow **1.4 m** width helps it fit through restricted access areas.



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Full Description

Spider Plus URW-506 Spider Crane – Rental

The **Spider Plus URW-506** is a compact spider crane engineered for heavy lifting in tight-access environments. With a total width of only **1.4 m**, it can work in restricted spaces while still offering a strong lift chart, a long telescopic boom, and stabilizing outriggers for controlled placement on challenging job sites.

Key Specifications

- **Rated capacity:** 3.0 t @ 3.4 m (up to 4.0 t @ 2.5 m with optional 5-fall hook block – URW-506-1)
- **Max boom length:** 15.71 m (6-section hydraulic telescoping boom)
- **Boom length range:** 3.93 – 15.71 m
- **Max lifting height:** 16 m (17.79 m with optional fly jib; 18.46 m with fixed hook)
- **Max working radius:** 15.52 m
- **Dimensions (folded):** 4,870 (L) × 1,400 (W) × 2,035 (H) mm
- **Weight:** 4,840 kg (approx. 4,990 kg with electric option)

Power & Drive

- **Standard power:** Diesel (engine by configuration: Mitsubishi / Yanmar)
- **Optional power:** Mains electric dual-power option (400V AC, 50/60 Hz)
- **Traction:** Hydrostatic 2-speed, stepless forward/reverse
- **Travel speed:** 0 – 3 km/h

Controls, Safety & Productivity

The URW-506 is supplied with a computer-controlled **safe load indicator (moment limiter)** and a **working area limitation** function. Operators can pre-define a working area; as limits are approached, function speeds reduce and an audible alarm is triggered before motion stops—helping improve control in sensitive areas.

- Radio remote control (standard) with multi-function operation
- Intelligent voice warning system
- Overwinding alarm, overload alarms/lamps, and automatic hook stow
- Operator control of outrigger extension
- Intelligent throttle activation (economy/eco operation)

Working Capability (Lift Chart Note)

Rated loads depend on boom length, working radius, and outrigger position (max / mid / min extension). Use the lift chart for the exact configuration required for your lift plan.

Optional Accessories

- 1-fall, 2-fall, and 5-fall hook blocks (model dependent)
- Searcher hook (up to 700 kg)
- Fly jib (up to 700 kg) with single part line
- Mains electric dual-power option (400V)

Typical Rental Applications

- Indoor lifting and installation where access is restricted
- MEP equipment placement (HVAC, pumps, generators)
- Steel and structural positioning in tight sites
- Maintenance lifting in warehouses, plants, and industrial facilities



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Note: Confirm the required lift capacity at your working radius, outrigger setup space, and site ground conditions before mobilization. Point loadings are available on request.

Images





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Technical Specifications

Spider Plus URW-506 Spider Crane for Rent

Specification	Value
Manufacturer	Spider Plus
Country of Origin	Japan
Model Number	URW-506
Equipment Type	Spider Crane / Mini Crawler Crane
Rated Lifting Capacity	3.0 t at 3.4 m radius (URW-506)
Max Lifting Capacity (Optional)	Up to 4.0 t at 2.5 m radius with 5-fall hook block (URW-506-1)
Max Lifting Height	16 m (17.79 m with fly jib; 18.46 m with fixed hook)
Max Working Radius	15.52 m
Rated Load at Max Radius	150 kg at 15.52 m (max/mid outrigger); 100 kg (min outrigger)
Max Boom Length	15.71 m
Boom Length Range	3.93 m to 15.71 m
Boom Type	6-section hydraulically telescoping boom; hexagonal box construction
Telescoping Speed	11.78 m in 35 s
Derricking Angle / Speed	0° to 80° in 18.0 s
Hook Speed	17 m/min (with 4 layers and 4 falls)
Wire Rope Length	86.57 m (1 fall); 42.54 m (2 fall); 20.52 m (4 fall)
Slewing	360° continuous (approx 2.5 min per revolution)
Platform / Crane Control	Radio remote control standard; multi-function operation
Traction System	Hydrostatic 2-speed; stepless forward and reverse
Travel Speed	0 to 3 km/h
Gradeability	±20° (vertical); 20° (traverse)
Track Ground Length	1750 mm
Track Width	300 mm
Track Ground Pressure	45.1 kPa (0.46 kg/cm ²)
Overall Width	1.4 m
Dimensions (Folded)	4870 mm (L) x 1400 mm (W) x 2035 mm (H)
Weight (Unladen)	4840 kg (4990 kg with electric option)
Power Source	Diesel powered; optional mains electric dual power (400V)
Engine Manufacturer	Mitsubishi / Yanmar
Engine Power	18 kW (24.5 PS) at 2100 rpm
Starting Method	Electric
Fuel Tank Capacity	40 L



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Specification	Value
Electric Motor Power (Optional)	7.5 kW
Electric Motor Voltage (Optional)	400V AC 50/60Hz
Safe Load Indicator	Computer controlled moment limiter (safe load indicator)
Working Area Limitation	Working area limitation device (pre-define working area)
Intelligent Voice Warning System	Computer controlled intelligent voice warning system
Standard Equipment	Radio remote control; overwinding alarm; overload warning alarms and lamps; automatic hook stow; intelligent throttle activation; multi-function remote operation
Optional Equipment	1-fall hook block; 2-fall hook block; 5-fall hook block; mains electric dual power (400V); searcher hook 700 kg; fly jib 700 kg (single part line)
Fly Jib / Searcher Hook (Optional)	700 kg max; length 2017 mm; weight 50 kg; tilt angles 0° 20° 40° 60°