



Spydercrane.com

Performance Specifications

**Telescopic Hydraulic Truck
Mounted Crane**

Spyder Model

URA293-A1

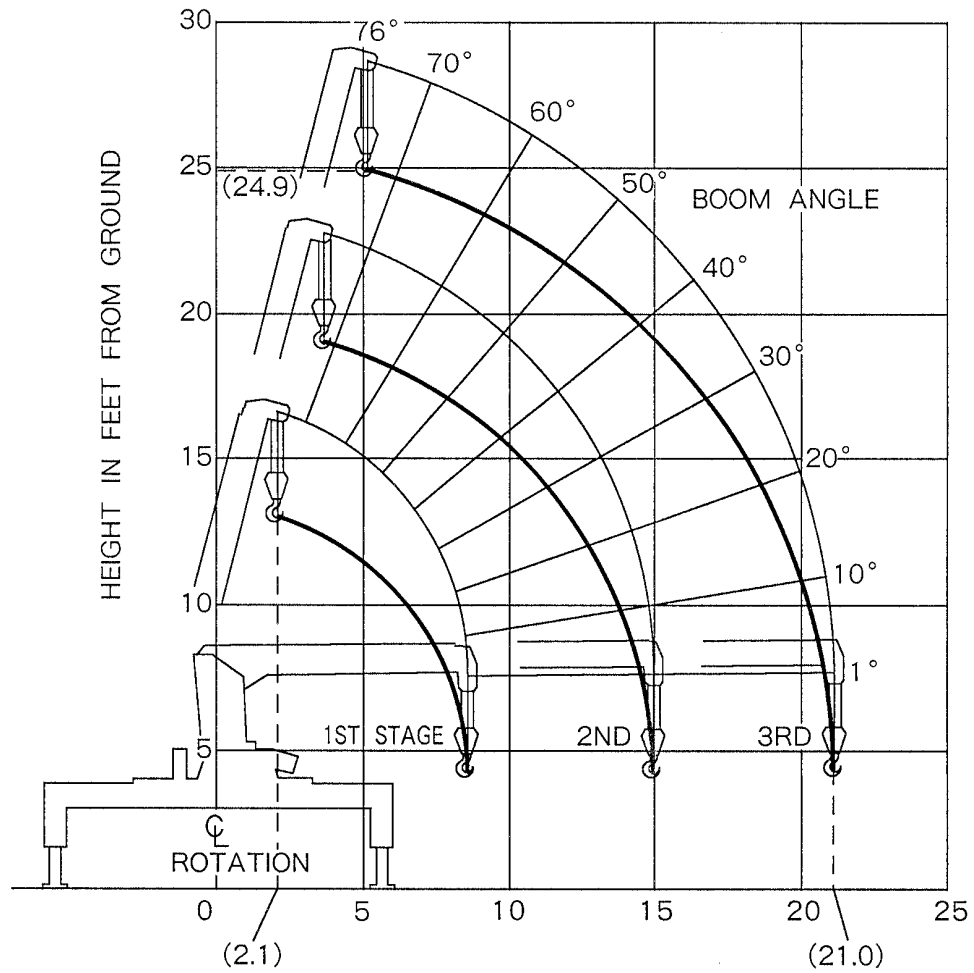
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FURUKAWA UNIC PRODUCTS FOR NORTH AMERICA

<i>Crane Capacity</i>	
Maximum Lift Capacity	7000 @ 5 feet
Work Radius	Minimum 2.1 feet to 21 feet
Boom Length	21.7 feet
Tip Height	29 feet
<i>Boom Design</i>	Three (3) section box beam telescoping, keel top and bottom with angle indicator.
All Booms Retracted	9.2 feet
Second Stage Extended	15.5 feet
Third Stage Extended Length	21.7 feet
Boom Extending Speed	12.5 feet / 10 seconds.
Boom Lifting Cylinder Design	Double Acting type with counterbalance valve.
Boom Travel Position	Forward over the cab or rear over the body.
Boom Raising Speed	1° to 76° / 6 seconds.
<i>Winch Design</i>	Hydraulic motor driven, spur gear reduction, with automatic mechanical brake.
Single Line Pull	1750 lbs.
Hoisting Speed Single Line	228 feet / minute @ 4th layer.
Hook Speed	57 feet / minute @ 4th layer.
Hook Block	7000 lbs. capacity, 2 sheaves with latch.
Hydraulic Motor	Axial plunger type.
Wire Rope Construction	6 x Fi (29) Grade B.
Diameter x Length	5/16 inch x 144 feet.
Breaking Strength	8510 lbs.
<i>Swing Design</i>	Hydraulic motor driven, worm and spur gears reduction, worm self-locking brake.
Swing Range	360° continuous rotation on ball bearing.
Hydraulic Motor	Axial plunger type.
Swing Speed	2.5 rpm.

<i>Outrigger Design</i>	Out & Down Style, manual pull out on bearings. Vertical hydraulic jacks down. Cylinders have pilot-operated check valves. Audible alarm signals when jacks are in motion.
Retracted Span	5.6 feet
Extended Span	11.2 feet
<i>Hydraulic System</i>	Multiple control valves, spring centered spool type, with pressure relief valve.
Pressure Relief	2500 psi
Oil Reservoir Capacity	5.8 gallons.
Oil Strainer	100 micron wire mesh.
Return Filter	10 micron replaceable type.
Recommended Hydraulic Pump	2500 psi @ 14 gallons / minute.
Recommended Hydraulic Oil	ISO VG 46 for temps above 32 F, ISO VG 22 below 32F
<i>Operators Stations</i>	Dual stations curb and street side with crane and outrigger controls on each side. Horn button on panel.
<i>Standard Safety Equipment</i>	Anti-Two-Block and Outrigger motion Alarms.
<i>Electrical System</i>	12 Volt
<i>Manuals</i>	Complete Set. Parts, Service and Operators.
<i>Warranty</i>	12 months.
<i>Available Items</i>	Wireless Radio Remote Control. Cable Remote Control. Hydraulic Capacity Alert. LMI Electronic Overload System with Digital Readout. One Man Steel Basket
<i>Minimum Chassis</i>	15,000 GVWR
<i>Minimum Chassis Frame</i>	433,000 RBM. Section modulus 11.57
<i>Front Axle</i>	5000 lbs.
<i>Mounting Bolts</i>	Grade 8 threaded ends only. 7/8" NF x 14, 120,000 psi.
<i>Automatic Transmission</i>	May require neutral lock-up to limit RPM of pump.
<i>Available Options</i>	Radio Remote Control. One Man Steel Basket.

RANGE DIAGRAM



BOOM RADIUS IN FEET FROM CENTER OF ROTATION

BOOM DEFLECTIONS NOT SHOWN

Boom Radius Feet	All Booms Retracted	Second Stage Extended	Third Stage Extended
4	7000	7000	
5	7000	7000	
6	5600	5600	4100
7	4600	4600	4100
8.5	3800	3800	3500
10		3100	2800
12		2600	2300
15		2100	1800
18			1500
21			1200

Note:

1. Rated loads on the above chart are maximum allowable load with the outriggers fully extended on firm level ground and based on the actual working radius including the deflection of the boom.
2. Weights of hook (70lbs), Slings and any accessories to the boom or load line must be deducted from the rated loads.

Available Options:

- 1. Radio Remote Control**
- 2. Electronic Capacity Alert (Shut Down)**
- 3. One Man Steel Basket**