



6/39

Articulating Crane





► **6/39 Articulating Crane**

IMT® 6/39 articulating cranes offer a superior lift-to-weight ratio, with a max capacity of 3525 lb (1600 kg) and a maximum horizontal reach of 34 ft 5 in (10.5 m). Compact size and versatile capabilities make these cranes perfect for accessing hard-to-reach places and maneuvering around job site obstacles. Featuring hexagonal booms for greater strength and stability, 6/39 articulating cranes can also stow within themselves to free up payload space. Plus, their convenient features and options are ideal for a variety of applications and industries.



6/39 Specifications

	1 - Hydraulic	2 - Hydraulic	3 - Hydraulic	4 - Hydraulic
Crane Rating*	39,060 ft-lb (5.4 tm)	31,825 ft-lb (4.4 tm)	30,380 ft-lb (4.2 tm)	29,655 ft-lb (4.1 tm)
Max Horizontal Reach	17' 1" (5.2 m)	21' (6.4 m)	26' 3" (8 m)	31' 6" (9.6 m)
Max Vertical Reach	23' 4" (7.1 m)	27' 11" (8.5 m)	32' 9" (10 m)	37' 7" (11.5 m)
Max Capacity	3525 lb (1600 kg)	2820 lb (1280 kg)	2645 lb (1200 kg)	2515 lb (1140 kg)
Max Cap @ Max Reach	2370 lb (1075 kg)	1475 lb (670 kg)	1100 lb (500 kg)	825 lb (375 kg)
Crane Weight **	1630 lb (740 kg)	1375 lb (624 kg)	1475 lb (669 kg)	1555 lb (705 kg)
Hook Approach				
Vertical	8' (2.44 m)	6' 9" (2.06 m)	6' 5" (1.96 m)	6' 1" (1.85 m)
Horizontal	2' 9" (0.84 m)	2' 11" (0.89 m)	3' 1" (0.94 m)	3' 3" (1 m)
Center of Gravity - Stored				
Vertical	1' 10" (561 mm)	1' 10" (566 mm)	1' 10" (570 mm)	1' 11" (573 mm)
Horizontal (C/L Rotation to Bridge)	7.5" (190 mm)	7" (182 mm)	6.5" (165 mm)	6" (152 mm)

* Crane rating (ft-lb) is the rated load (lb) multiplied by the respective distance (ft) from centerline of rotation with all extensions retracted and the inner and outer booms in a horizontal position, per ANSI B30.22. ** Crane weight is for standard crane with tank & 8-bolt long mounting kit. Does not include stabilizers, tank or oil.



Standard Features

- Application-specific product offering
- Superior lift-to-weight ratio
- Long-reach capabilities
- Hexagonal booms for superior reach and maximum control
- Integrated hydraulic reservoir in crane base
- Powder coat paint

Options

- Radio remote control
- Boom tip functions for hydraulic attachments

Specifications

Stabilizer Pad Diameter	5.5" (140 mm)
Crane Storage Height	6' 1" (1843 mm)
Mounting Space	1' 11" (583 mm)
Rotational Torque	7090 ft-lb (1 tm)
Rotation	400°
Optimum Pump Performance	6.6 gpm (25 L/min)
System Pressure	3990 psi (275 bar)
Oil Reservoir Capacity	8.8 gal (33.5 L)
Stabilizer Extension Span	
Standard (manual out/hydraulic down) Weight	11' 2" (3400 mm) 265 lb (120 kg)
Option 1 (manual out/hydraulic down) Weight	15' 7" (4760 mm) 340 lb (155 kg)
Option 2 (manual out/hydraulic down swing-up stabilizer) Weight	18' 1" (5500 mm) 395 lb (180 kg)

Minimum Chassis Specifications

Front Axle Rating (GAWR)	6000 lb (2720 kg)
Rear Axle Rating (GAWR)	12,460 lb (5650 kg)
Resistance to Bending Moment Minimum	540,000 in-lb (62,215 kg-m)



Stabilizers

Operators can deploy stabilizers by manually pulling in and out while hydraulic controls move the stabilizers up and down to ensure safe lifting.



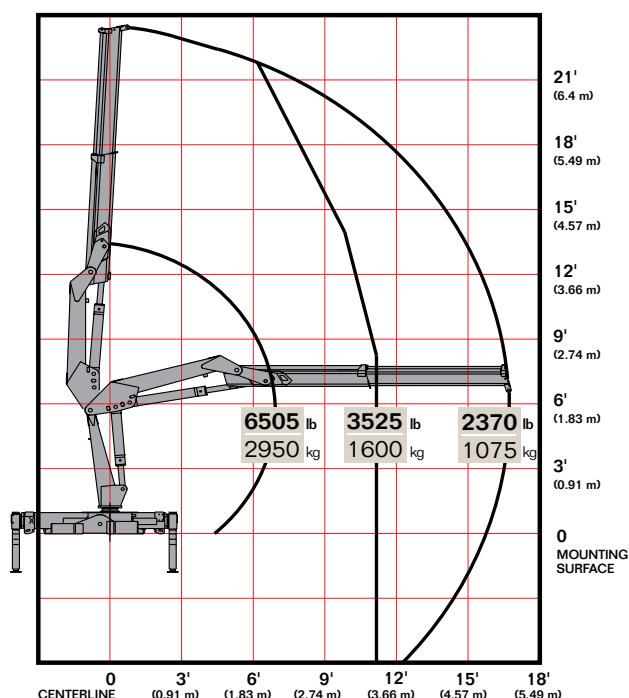
Hexagonal Boom Design

A hexagonal profile with large bearing surfaces ensures greater strength and stability for horizontal and vertical spans — even when working in extreme positions with long reaches. Plus, it's protected by powdercoat paint that never fades, flakes, or corrodes.

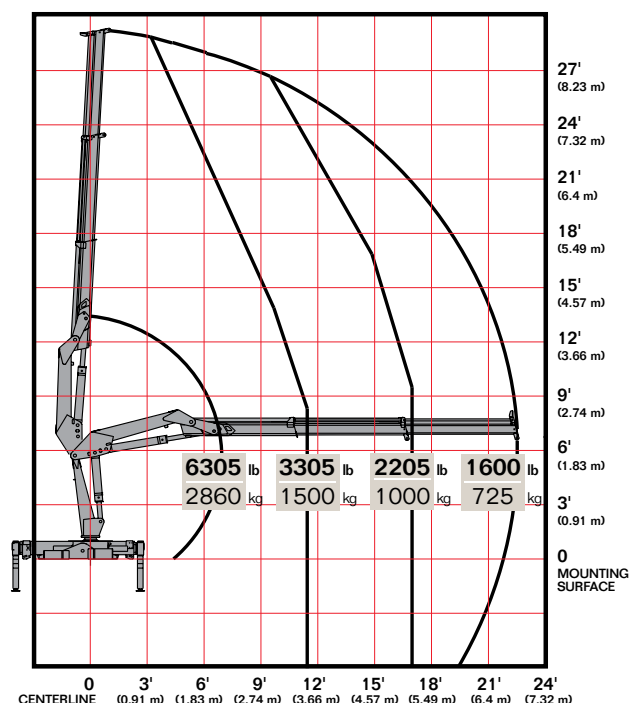


► 6/39 Capacity Charts

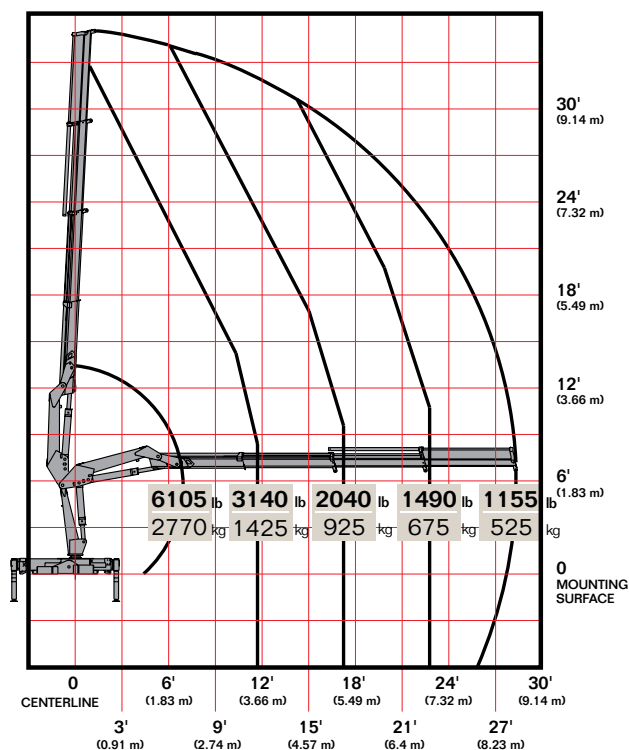
6/39 K1



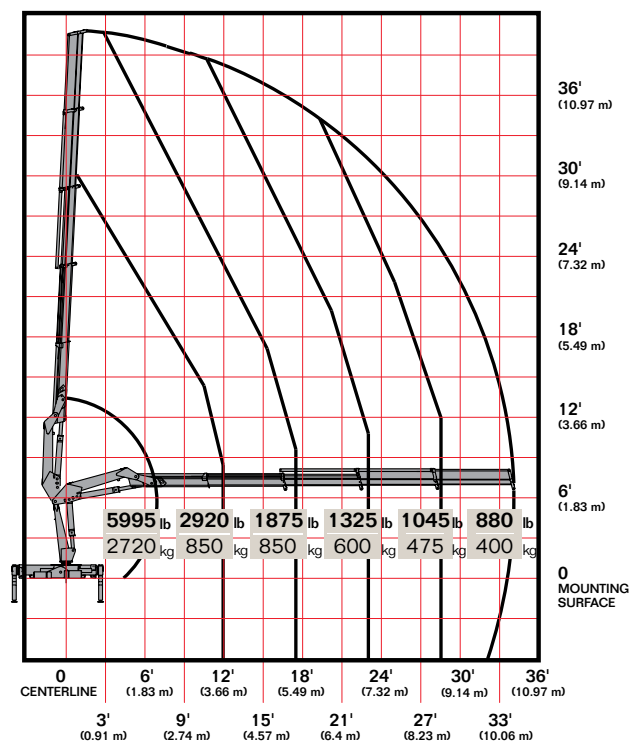
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6/39 K3



6/39 K4

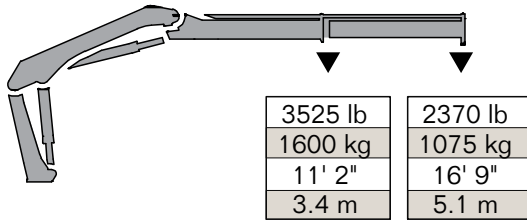


Limit working loads to those shown.
Deduct the weight of load-handling devices.

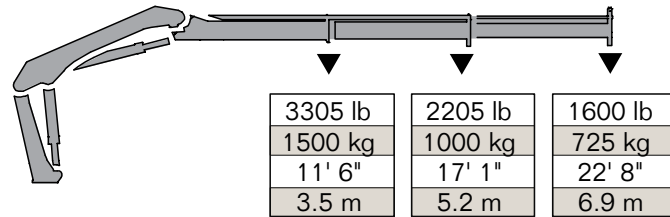


► 6/39 Lifting Capacity

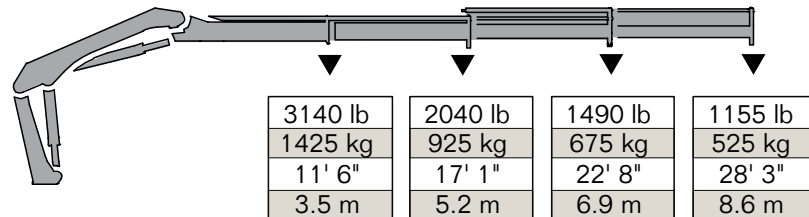
6/39 - 1 Hydraulic



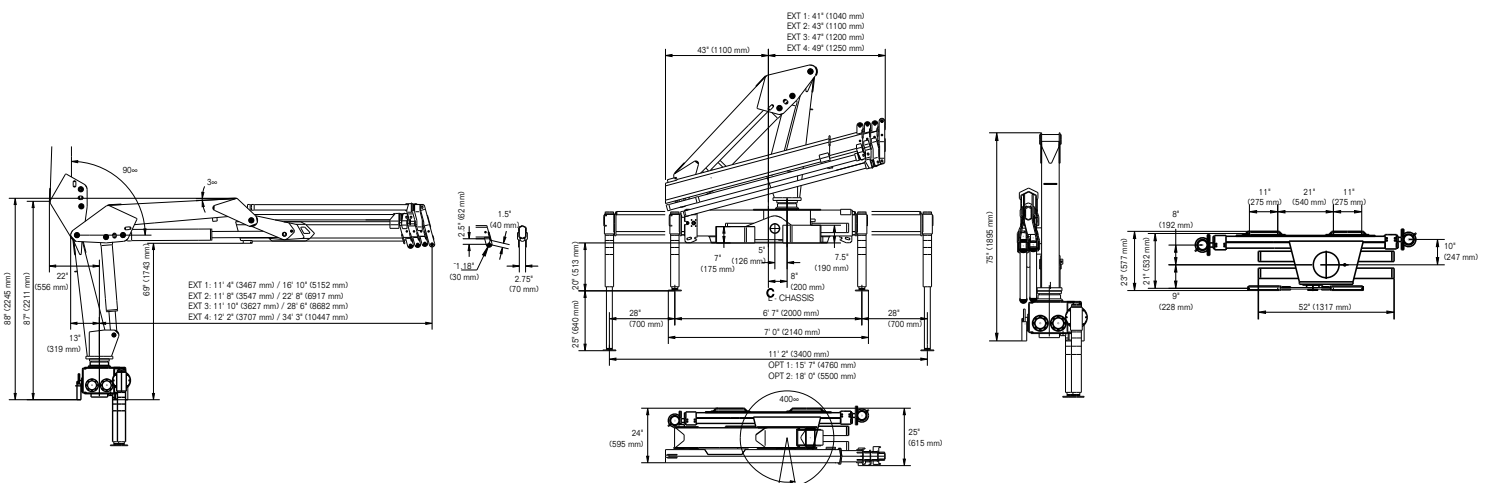
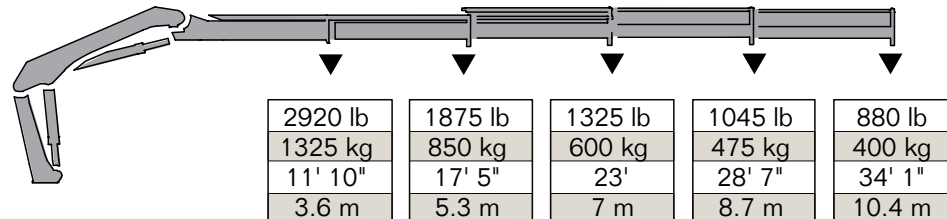
6/39 - 2 Hydraulic



6/39 - 3 Hydraulic



6/39 - 4 Hydraulic





Power Source

- Standard integral-mounted piston hydraulic pump and PTO application

Cylinder Holding Valves

- Integral-mounted counterbalance valves or load-holding check valves
- Prevention of sudden cylinder collapse in case of hose failure

Rotation System

- 400 degree rack and pinion
- 7090 ft-lb (1 tm) rotational torque
- Counterbalance valve on each cylinder to stop motion in case of hose failure

Hydraulic System

- Open-centered system — closed optional
- Regeneration system on extension cylinder to ensure quick deployment
- Hydraulic oil reservoir, air breather, replaceable return-line filter, and control valve with levers

Overload System

- Load-limiting capability for boom functions
- Rated capacity limitation (RCL) 5300 blocks load-increasing functions when full capacity is attained



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