1015

Telescopic Crane

IMT®

1015 Telescopic Crane

If you need a compact crane to help on your job sites, the 1015 telescopic crane is the perfect addition to your mechanics truck fleet. This little crane can do the heavy lifting for you with a lifting capacity of 3200 lb (1450 kg) and a maximum horiztontal reach of 15' (4.57 m). The 1015 requires minimal mounting space, which helps make more room for your payload.

Standard Features

- 15' (4.6 m) of boom reach
- Worm gear winch
- Crane remote control
- Anti-two-block protection
- Overload shutdown protection

Options

- Radio remote control

Body Sizes

- DSC12
- DSC20
- Dominator® I
- Dominator® II

Optional Single Proportional Tethered Remote Control
Built tough to perform difficult tasks in the most trying environments, our tethered remote control features a pistol grip handle to increase comfort and is ideal for job sites where radio frequency is not allowed.

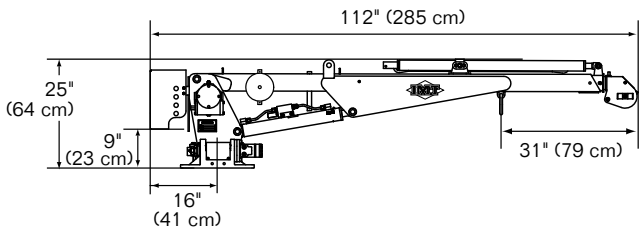
Optional Radio Remote Control
Our operator-friendly pistol grip radio remote control is designed to decrease hand fatigue while giving you the flexibility and control you need on a job site and the ability to move closer to the load while lifting.

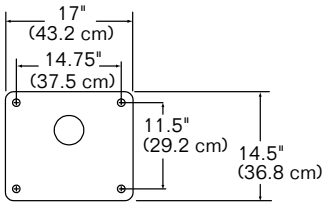
Minimum Chassis Specifications

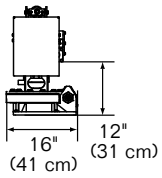
Chassis Style	Conventional cab
Front Axle Rating (GAWR)	4000 lb (1814 kg)
Rear Axle Rating (GAWR)	7500 lb (3402 kg)
Wheelbase	137" (348 cm)
Cab-to-Axle	60" (152 cm)
Resistance to Bending Moment	212,760 in-lb (2452 kg-m)
Frame Section Modulus	5.91 cu in (96.8 cm^3)
Frame Yield Strength	36,000 psi (2482 bar)

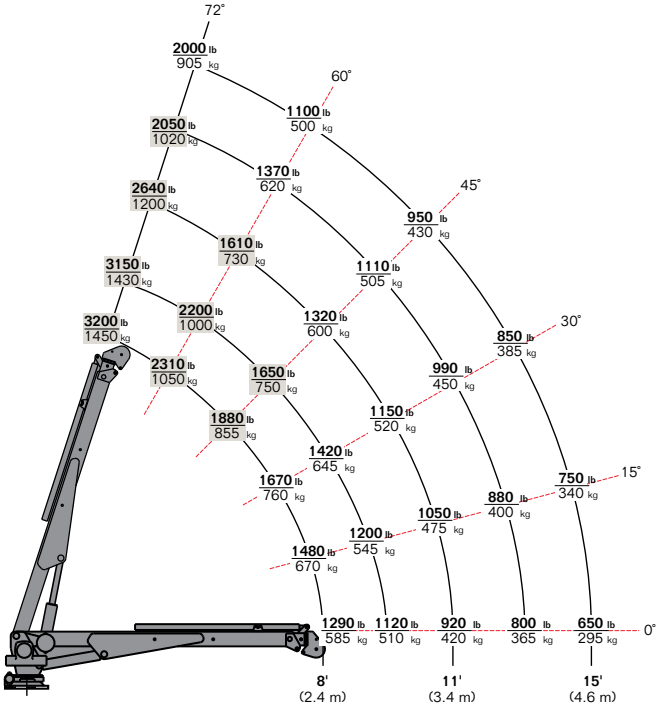
Specifications	1-Hydraulic/1-Manual
Crane Rating*	10,500 ft-lb (1.46 tm)
Max. Capacity	3200 lb (1450 kg)
Max. Horizontal Reach	15' (4.57 m)
Max. Capacity @ Max. Reach	650 lb (295 (kg)
Fully Retracted	8' (2.44 m)
Hydraulic Extension	36" (91.4 cm) 48" (121.9 cm)
Lifting Height	16' 1" (4.9 m)
Crane Weight	660 lb (299 kg)
Crane Storage Height	26" (66 cm)
Center of Gravity Horizontal from centerline of rotation Vertical from bottom of crane base	 15" (38.1 cm) 13" (33 cm)
Required Mounting Space for Crane Base	14-1/2" x 17" (36.8 cm x 43.2 cm)
Optimum Pump Capacity PTO-driven Two-stage, electric** (low speed/high speed)	 5 gpm (18.9 L/min) 1.5/3.5 gpm (5.7/13.2 L/min)
Tie-Down Bolt Pattern	11-1/2" x 14-3/4" (29.2 cm x 37.5 cm)
Rotational Torque	1500 ft-lb (0.2 tm)
Main Boom Elevation Speed PTO-driven Two-stage, electric	 6 sec 9 sec
Extension Boom Extend Speed PTO-driven Two-stage, electric	 8 sec 12 sec

*Crane rating (ft-lb) is the rated load (lb) x the respective distance (ft) from centerline of rotation with all extensions retracted and lower boom in horizontal position.
**The two-stage pump delivers 1.5 gpm (5.7 L/min) at low speed and 3.5 gpm (13.2 L/min) at high speed. Normally under load, the pump operates as a single-stage pump. The pump operates as a two-stage pump to save time during setup.









- Maximum one-part line capacity is 1600 lb (725.8 kg). For greater loads, use two-part line.
- The weight of load-handling devices is part of the load lifted and must be deducted from the rated capacity.

Power Source Options

PTO-Driven

- Integral-mounted hydraulic pump and PTO application
- Min. requirement is 8 hp based on 5 gpm at 2250 psi (18.9 L/min at 155 bar)
- Other standard power sources can be used

Electric Motor

- Powered by solenoid connected to 12VDC truck battery
- Chassis must have 4000-watt Delco Freedom battery (or equivalent) connected to the chassis' standard heavy-duty battery
- Chassis must have heavy-duty alternator (63-amp for GM vehicles and 60-amp for Ford vehicles)
- 130-amp alternator is recommended for best results

Cylinder Holding Valves

- All cylinders equipped with integral-mounted counterbalance valves or load-holding check valves
- Prevent sudden cylinder collapse in case of hose failure

Rotation System

- Consists of a worm gear and turntable bearing
- Powered by a high-torque hydraulic motor through self-locking worm
- Rotation speed is 35 seconds

Hydraulic System (PTO-driven)

- Open-centered, full-pressure system
- System requires 5 gpm (18.9 L/min) optimum oil flow at 2250 psi (155 bar)
- Four-spool, stack-type, electric remote control valve with 25' (7.6 m) control cable
- System requires separate oil reservoir, suction-line strainer, control valve, and return-line filter

Electro-Hydraulic System — Two-Speed/Auto-Shift

- Open-centered, full-pressure system features two-stage hydraulic pump
- First stage delivers 1.5 gpm (5.7 L/min); second stage delivers 3.5 gpm (13.2 L/min) at 2250 psi (155 bar)
- Control valve bank is four-spool, stack-type, 12VDC valve system
- System includes 5-gallon hydraulic reservoir, 10-micron spin-on-type return-line filter, hydraulic pump driven by totally enclosed fan-cooled 12VDC motor, and all necessary hoses and fittings

Excessive Load Limit System (ELLS)

- Dual pressure switches on lift cylinder sense various overload conditions
- When overloaded, the following functions are stopped: winch-up, extension-out, and boom-down
- Situation can be fixed by raising boom, retracting extensions, or lowering winch

Winch

- Capacity of 1600 lb (726 kg) powered by a hydraulic motor through a 38:1 ratio worm gear with a mechanical brake
- Single line operating speed of 25 fpm (7.6 m/min) under no-load conditions
- Equipped with 65' (19.81 m) of 7/32" (5.6 mm), 6x25 FW PRF RRL IWRC XIPS wire rope
- Anti-two-block device prevents lower block or hook assembly from coming in contact with boom sheave assembly
- Meets ANSI B30.5 standards

Nothing Says Commitment Like The Diamond.™
IMT has been meeting the needs of our customers for over 50 years and none of it would have been possible without a distributor network that's second to none. IMT distributors offer fast, knowledgeable service and the ability to help customers find the right product for every application. When you're looking for reliable equipment and dependable service, remember IMT.

An Oshkosh Corporation Company

Iowa Mold Tooling Co., Inc.
500 Highway 18 West
Garner, Iowa 50438
800-247-5958 • www.imt.com

IMT reserves the right to make changes in engineering, design, and specifications; add improvements; or discontinue manufacturing at any time without notice or obligation. IMT, the IMT logo, Dominator and NOTHING SAYS COMMITMENT LIKE THE DIAMOND are registered trademarks or trademarks of Iowa Mold Tooling Co., Inc., Garner, IA, USA.
© 2013 Iowa Mold Tooling Co., Inc. All Rights Reserved.

6/13