

# Telescopic Crane 6006i

## Technical Specifications

Material Handling Systems



Specifications	1-Hydraulic	1-Hydraulic/1-Manual Hydraulic
Crane Rating	38,000 ft-lb @ 11 ft (5.3 tm @ 3.3 m)	38,000 ft-lb @ 11 ft (5.3 tm @ 3.3 m)
Max. Horizontal Reach (from centerline of rotation)	22' (6.7 m)	22' (6.7 m)
Max. Vertical Reach	17' 8" (5.4 m)	23' 6" (7.2 m)
Max. Capacity	6000 lb (2722 kg)	6000 lb (2722 kg)
Max. Capacity at Max. Reach	2400 lb (1089 kg)	1660 lb (753 kg)
Crane Weight	1325 lb (601 kg)	1440 lb (654 kg)
Crane Storage Height	37.5" (95.3 cm)	37.5" (95.3 cm)
Mounting Space Required	18" x 18" (45.7 cm x 45.7 cm)	18" x 18" (45.7 cm x 45.7 cm)
Min. Chassis Requirement	10,500 lb (4736 kg) GVWR	10,500 lb (4736 kg) GVWR
Tie-down Bolt Pattern	14.75" x 14.75" (37.5 cm x 37.5 cm)	14.75" x 14.75" (37.5 cm x 37.5 cm)



An Oshkosh Corporation Company

# 6006i Telescopic Crane



## Power Source

The crane is powered by a 12-volt source. All power features are controlled with the hand-held remote control. Anti-two-block system is standard on all power extensions.

## Cylinder Holding Valves

Safety valves on the lift cylinder and extension cylinder to prevent sudden cylinder collapse in the event of a hose failure.

## Rotation System

The large diameter, self-locking, all-steel worm gear rotation mounted on slewing ring crane bearing provides 600-degree power rotation.

## Hydraulic System

Self-contained 12-volt hydraulic system supplies 2.6 gpm (9.8 L/min), powered by high-output extended on-time series wound motor.

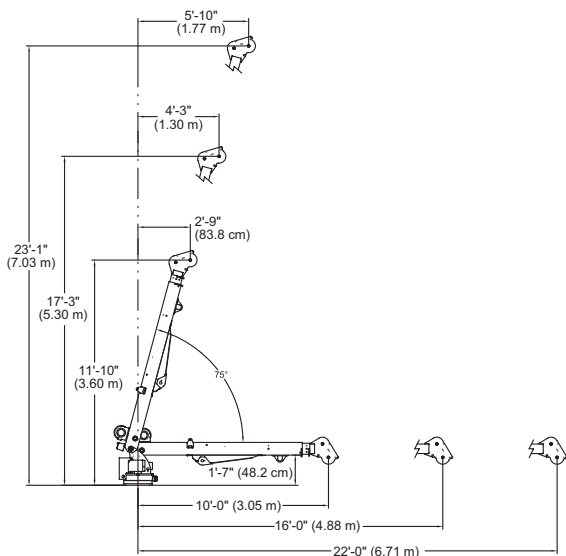
## Electrical System

The electronic control module is 100 percent solid-state circuit board with no relays, is equipped with arc-suppressing circuitry, and contains the entire signal routing logic as well as the overload protection system circuit. Arc-suppression circuits protect switches and contactors. All high-current contactors (winch motor and electric/hydraulic pump motor) are industrial-grade. There are no automotive-type solenoids.

## Overload Protection

The automatic overload protection system prevents hoist-up, boom extension, and boom-down to protect the operator and crane from overloads. Counterbalance/check valves are used on all cylinders for load control.

## Geometric Configuration



## Winch

The 12-volt planetary gear drive winch provides winch speed of 14 fpm (4.3 m/min). It is equipped with 80' (24.4 m) of 3/8" (9.5 mm) diameter 6 x 19 IWRC wire rope. The permanent magnet motor provides immediate stopping both up and down for precise positioning of the load. The winch drum and wire rope pulleys meet ANSI standards for diameter.

## Compatible IMT Dominator® Bodies

Dominator DOM I  
Dominator DOM II  
Dominator DOM II Lo Pro

## Control Options

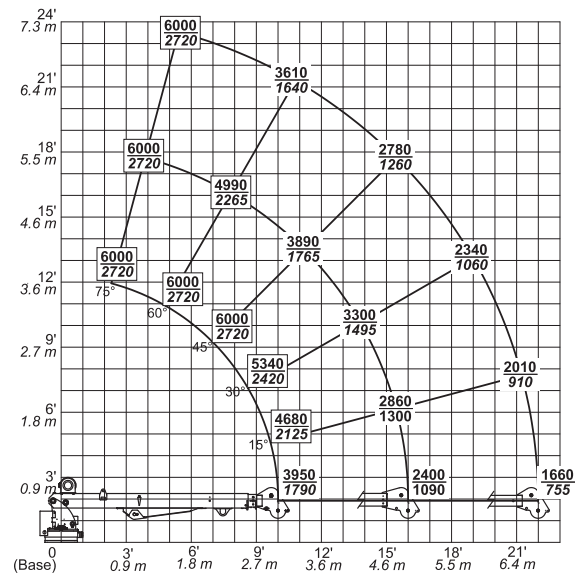
- On/off tethered remote
- On/off radio remote
- Proportional radio remote

## NOTES

1. The crane comes complete with 25' (7.6 m) power cable, 25' (7.6 m) remote control pendant, and owner's manual.
2. 12VDC with two 1000 amp batteries\* and 100 amp alternator min.
3. Outrigger recommended for most installations.
4. Cranes are shipped assembled and factory-tested.
5. 10,500 lb (4763 kg) minimum GVWR chassis recommended.

\*The two batteries must be identical in size with minimum cold-crank amp rating of 1000 CCA.

## Capacity Chart



- Maximum one-part line capacity is 4000 pounds (1815 kg). For greater loads use two-part line (boxes denote two-part line).
- Weights of load-handling devices are part of the load lifted and must be deducted from the capacity.

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