

Telescopic Crane 5005i

Technical Specifications

Material Handling Systems



Specifications	1-Hydraulic	1-Hydraulic/1-Manual Hydraulic
Crane Rating	30,000 ft-lb @ 10 ft (4.1 tm @ 3 m)	30,000 ft-lb @ 10 ft (4.1 tm @ 3 m)
Max. Horizontal Reach (from centerline of rotation)	16' (4.9 m)	22' (6.7 m)
Max. Vertical Reach	17' 8" (5.4 m)	23' 6" (7.2 m)
Max. Capacity	5000 lb (2268 kg)	5000 lb (2268 kg)
Max. Capacity at Max. Reach	1825 lb (830 kg)	1260 lb (570 kg)
Crane Weight	1315 lb (597 kg)	1440 lb (654 kg)
Crane Storage Height	37" (94 cm)	37" (94 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 (4763 kg) GVWR	10,500 lb (4763 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)
Boom Angle	-5° to +75° (-0.1 to 1.3 rad)	-5° to +75° (-0.1 to 1.3 rad)



An Oshkosh Corporation Company

Power Source

The crane is powered by a 12-volt battery. 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 360-degree continuous 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.

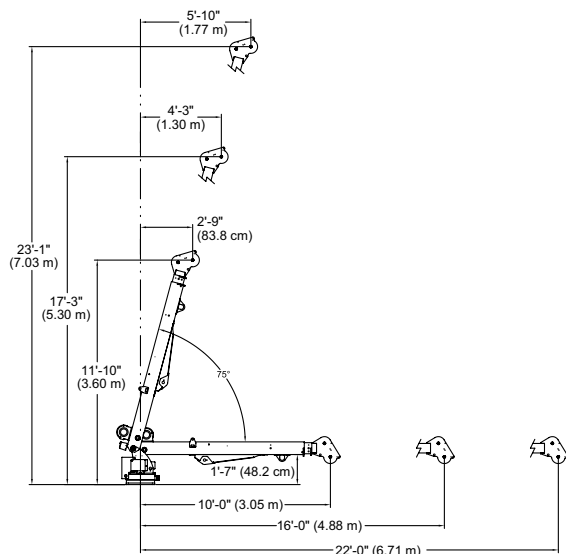
Electrical System

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 winch-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 37 fpm (11.2 m/min). It is equipped with 80' (24.4 m) of 5/16" (8 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

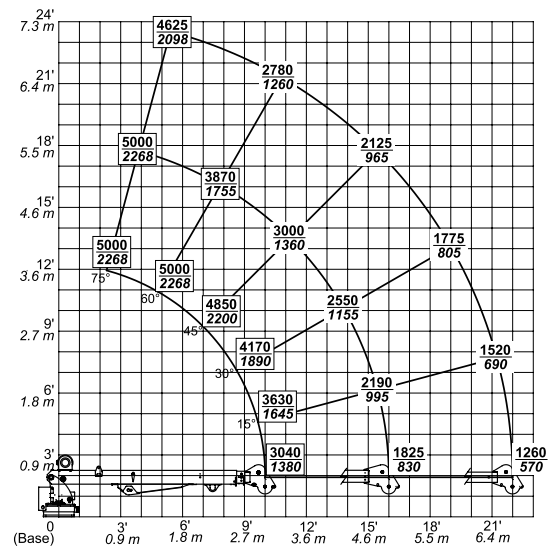
Control Options

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

NOTES

1. The crane comes complete with 25' (7.6 m) power cable, 150-amp manual reset circuit breaker, 4' frame grounding cable, 25' (7.6 m) remote control pendant, and owner's manual.
2. 1000-CCA battery and 100-amp alternator recommended.
3. Outrigger recommended for most installations.
4. Cranes are shipped assembled and factory-tested.
5. 10,500 lb (4763 kg) minimum GVWR chassis recommended.

Capacity Chart



- Maximum one-part line capacity is 3000 pounds (1360 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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