

# Product Line

TELESCOPIC  
BOOM  
CRAWLER  
CRANE



## VERSATILE. POWERFUL. DEPENDABLE.

TADANO MANTIS cranes are engineered as VERSATILE, heavy-duty machines. We match massive steel fabrications with diesel engines and state of the art hydraulics to provide a POWERFUL crane that meets the toughest demands in full load pick-and-carry as well as lift applications. MANTIS . . . the one DEPENDABLE crane that does it all on your jobsite.

## NO OTHER CRANE COMBINES SO MANY VALUABLE FEATURES:

- Pick-and-carry the full crane load chart through 360°.
- Lift and walk...even with tracks retracted.
- Climb steeper grades, thanks to minimized counterweight and low center of gravity.
- Pull through deep mud without bogging down.
- Telescope or lift the boom with a full load on the hook.
- Low clearance height, retract on-the-fly tracks and telescopic boom open new utilization possibilities that cannot be realized with conventional cranes.
- Independent, 2-speed hydrostatic track drives allow pivot turns and counter rotation
- Hydraulic tool circuit option powers wide choice of Mantis-approved tools.
- Easy transport and fast setup saves time and money on the job.

## OPTIONAL EQUIPMENT



### AUGER AND POLE CLAW

Auger options include a complete auger kit or an auger ready package that includes all controls, piping and stowage bracket. A variety of auger bits and extension bars can be utilized for various drilling conditions and depths.

The NEW heavy-duty boom mounted pole claw increases the flexibility of the Mantis crane on the power line job. With the ability to dig holes, pick and carry transmission poles, and set and plumb poles, the Mantis crane can be a stand alone machine for powerline work.



### LIGHT BAR AND TOOL CIRCUIT

External mount light bars connected to the Load Moment Indicator system allow for external indication of the load. When regulations require this option, Tadano Mantis is ready to meet the requirements with single or double light bar options.

The auxiliary tool circuit provides hydraulic power for open center hydraulic work tools and comes standard with quick disconnect fittings and 50 feet of hydraulic hose mounted on a hose reel.



### WORK PLATFORM

The Mantis WP-750, two person work platform is all-steel construction, 36 in x 72 in, and has a maximum capacity of 750 lbs. A test weight and boom head adapter are included. Standard operation and control are by the crane operator in the cab. Radio frequency controls that allow control from the platform are available.



### TRACK PADS

Polyurethane and rubber track pads are available in clamp-on and bolt-on configurations for all applications. Clamp-on pads can be installed on standard and optional width triple grouser track shoes with no modification to the grouser shoe.



**PETROCHEM**

**FOUNDATION**



**CONSTRUCTION**

**POWERLINE**



**ALTERNATIVE ENERGY**



**PICK AND CARRY**



## TELESCOPIC BOOM CRAWLER CRANES PRODUCT LINE



	6010	6010LP	8012	9010	10010Mx	15010	20010
Load Rating	30 ton @ 10 ft (27t @ 3m)	30 ton @ 10 ft (27t @ 3m)	40 ton @ 12 ft (36t @ 3.6m)	45 ton @ 10 feet (40t @ 3m)	50 ton @ 10 feet (45t @ 3m)	77 ton @ 10 ft (70t @ 3m)	100 ton @ 10 ft (90t @ 3m)
Main Boom Length	32'-8" - 80' (10m - 24.4m)	32'-8" - 80' (10m - 24.4m)	39' - 90' (11.9m - 27.4m)	34' - 105' (10.4m - 32m)	37'-6" - 111'-6" (11.4m - 34m)	37'-6" - 111'-6" (11.4m - 34m)	42' - 128' (12.8m - 39m)
Lattice Extension and Jib	20' + 20' (6.1m + 6.1m)	20' + 20' (6.1m + 6.1m)	30' + 20' (9.1m + 6.1m)	30' + 20' (9.1m + 6.1m)	30' + 20' (9.1m + 6.1m)	30' + 20' (9.1m + 6.1m)	35' + 25' (10.7m + 7.6m)
Maximum Hook Height	119' (36.3m)	119' (36.3m)	140' (42.7m)	154' (46.9m)	162' (49.4m)	162' (49.4m)	191' - 6" (58.4m)
Installed Engine Power	173 hp (129 kW)	173 hp (129 kW)	260 hp (194 kW)	260 hp (194 kW)	260 hp (194 kW)	260 hp (194 kW)	375 hp (279 kW)
Track Width	10' 2" / 14' 6" (3.1m / 4.4m)	8' 6" / 13' 6" (2.6m / 4.1m)	12' 0" / 18' 4" (3.6m / 5.6m)	12' 0" / 18' 4" (3.6m / 5.6m)	12' 0" / 18' 4" (3.6m / 5.6m)	12' 6" / 18' 8" (3.8m / 5.7m)	12' 11" / 21' 1" (3.94m / 6.43m)
Travel Speeds	1.6 mph / 2.5mph (2.6km/h / 4.0km/h)	1.6 mph / 2.5mph (2.6km/h / 4.0km/h)	1 mph / 1.6 mph (1.6km/h / 2.6km/h)	1 mph / 1.6 mph (1.6km/h / 2.6km/h)	1 mph / 1.6 mph (1.6km/h / 2.6km/h)	.6 mph / 1.7mph (1.0km/h / 2.8km/h)	.4 mph / 1.26mph (0.7 km/h / 2.0 km/h)
Gradeability	56%	56%	56%	68%	57%	68%	60%
Operating Weight	62,820 lbs (28,495 kg)	60,025 lbs (27,227 kg)	86,900 lbs (39,417 kg)	93,900 lbs (42,594 kg)	103,640 lbs (47,010 kg)	137,800 lbs (62,505 kg)	202,300 lbs (91,761 kg)
Ground Pressure	6.5 psi (0.46 kg/cm <sup>2</sup> )	10.4 psi (0.73 kg/cm <sup>2</sup> )	6.2 psi (0.44 kg/cm <sup>2</sup> )	6.7 psi (0.47 kg/cm <sup>2</sup> )	7.4 psi (0.52 kg/cm <sup>2</sup> )	9.3 psi (0.65 kg/cm <sup>2</sup> )	11.4 psi (0.80 kg/cm <sup>2</sup> )
Counterweight	11,500 lbs (5,216 kg)	11,500 lbs (5,216 kg)	10,000 lbs (4,535 kg)	15,000 lbs (6,803 kg)	20,000 lbs (9,071 kg)	35,810 lbs (16,270 kg)	35,240 lbs (15,985 kg)



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