

FOR IMMEDIATE RELEASE:

TADANO MANTIS CORPORATION ANNOUNCES NEW 80 TONNE (88 TON) TELESCOPIC BOOM CRAWLER CRANE TO BE UNVEILED AT BAUMA 2016

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Franklin, TN USA

TADANO MANTIS Corporation will introduce the new model GTC-800, 80 tonne (88 US ton) telescopic boom crawler crane at BAUMA 2016 in the Tadano booth located at open-air area F12, booth number 1205. The GTC-800 is CE marked and will be available for global sales in late 2016.

The GTC-800 is the second of the new design GTC-Series telescopic boom crawler cranes which follows the concept to design and build a telescopic boom crawler crane that meets the requirements of the growing Tadano Mantis core markets of power transmission, bridge and civil, and foundation construction while expanding the broader appeal of the crane toward lift crane based markets. The GTC-800 design project was managed by Tadano Mantis and included collaboration with Tadano, Ltd. in developing the purpose designed, Tadano built telescopic boom and the integration of Tadano winches, jib, hydraulic cylinders, AML-C and Hello Net telematics.



The full power, 5-section 11.5 m – 43.0 m (37' 8" – 141' 1") hydraulic boom is designed to perform well for lift work, while also being capable of out-of-level, pick-and-carry, and foundation work. The main boom is complimented with a 10.1m / 17.7m (33.1ft / 58.1ft) bi-fold jib that offsets at 3.5°, 25°, and 45°. The maximum lifting height with the jib erected is 60.4m (198 ft). An optional 2.5m (8.2 ft) heavy lift jib with a maximum capacity of 21.4t (23.5 US ton) that offsets at 3.5° and 30° is also available.

Operating load charts for the GTC-800 are available for up to 4° slope with automatic out of level load chart switching. The "level" ground load charts feature Tadano Mantis' market leading 1.5° slope allowance. The GTC-800 has track width sensing and 3 track width operating zones; the crane has sufficient hydraulic track extend power to extend and retract the tracks on demand, and the tracks do not require pinning in position once set to operating width.

The GTC-800 is powered by a Cummins Euromot stage IV, US EPA Tier 4f, QSB6.7 diesel engine rated 231 kW (310 hp) @ 2200 rpm. Engine throttle control is by either auto-idle control, adaptive throttle control, or by foot pedal control. The load sensing, power controlled hydraulic system optimizes the hydraulic output to the diesel engine power output for highly efficient operation and control. The swing system is controlled by a separate closed loop hydrostatic transmission for superior swing performance and the maximum swing speed is 2.0 rpm. The travel system features 2-speed track drives with maximum speeds of 3.6 km/h (2.23 mph) and a maximum unladen gradability of 78%. The standard track shoe is a 900mm wide 3-bar semi-grouser and an optional 800mm wide steel flat shoe is also available.

Specifications that are announced about the crane are:

CRANE CAPACITY	80t at 3.0m (88 ton at 10 ft)
BOOM	5-section, full power: 11.5m – 43.0m (37.7 ft – 141.1 ft)
Bi-fold jib	10.1m / 17.7 m (33.1 ft / 58.1 ft) offsets at 3.5°, 25°, and 45°
Heavy Lift Jib	2.5m (8.2 ft), 21.4t (23.5 US Ton) max. capacity, offsets at 3.5°, and 30°
DIMENSION	
Overall Length	14.0 m (45' 11") (CWT to boom tip)
Overall Width (tracks extended)	5.42 m (17'-10")
Overall Width (tracks retracted)	3.59 m (11' 10")
Overall Width (tracks removed)	2.95 m (9' 8")
Overall Height	Transport configuration: 3.35 m (11' 0") Working configuration: 3.97 m (13' 0")
MASS	
Gross Vehicle Mass (Standard Equipment Package)	81,724 kg (180,171 lb)
Maximum Counterweight	Upper = 20,411 kg (45,000 lb); Carbody = 9,070 kg (20,000lb)
Unladen Ground Pressure	0.81 kg/cm ² (11.8 psi)
PERFORMANCE	
Travel Speed (Low/High)	1.2 km/h / 3.6 km/h (0.75 mph / 2.23 mph)
Maximum Gradability (Unladen)	78%
Engine	Cummins QSB6.7, Euromot Stage IV, Tier 4f, Rated 211 kW (310 hp) @ 2200 RPM

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