

# GTC-500

**Crane capacity** 4-section boom  
50 US ton (50t) 113' 10' (34.7m)

**Jib options**  
28.9 ft (8.8m) / 49.9 ft (15.2m) bi-fold jib

**Maximum lifting height**  
111.1 feet (33.9 m) (boom)  
161.0 feet (41.9 m) (jib)



OPTIMAL lifting  
performance at  
ANY track WIDTH

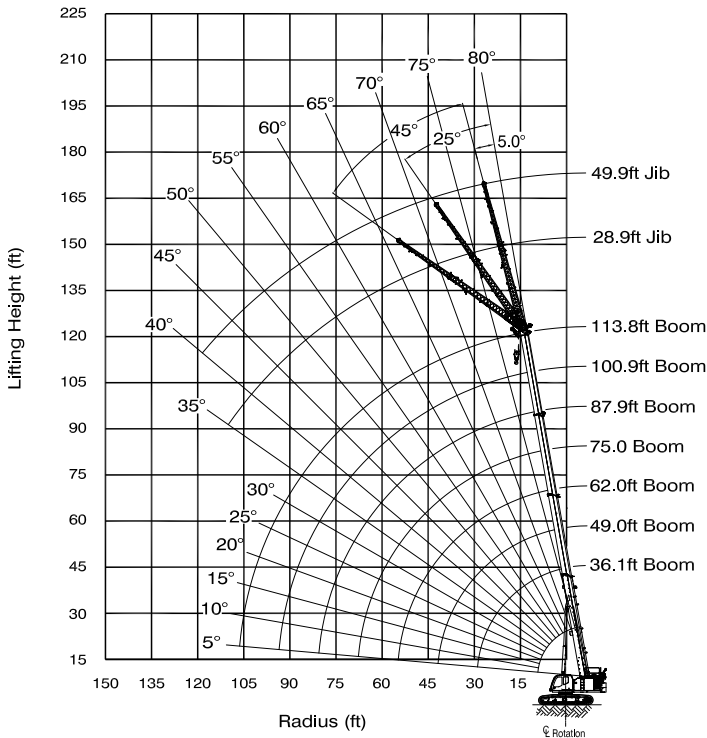


# MODEL: GTC-500

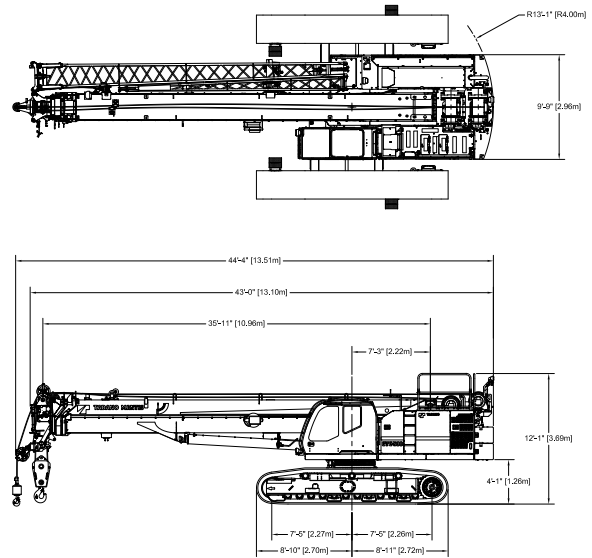
CRANE CAPACITY	50 ton at 10 feet (50t at 2.5m)
BOOM	4-section full power telescoping boom with 2 extension modes.
Retracted Length:	36' 1" (11.0 m)
Extended Length:	113' 10" (34.7 m)
Max. Lifting Height:	111' 1" (33.9 m)
Extension Time:	114 s
Elevating Angles:	-1.5° to 80.5°
Elevating Time:	67 s
Main Jib	• Total Length: 28.9 ft (8.8 m) • Offset Angles: 5°, 25° & 45° • Max. Lifting Height: 140.7 feet (42.9 m)
Fly Jib	• Total Length: 49.9 ft (15.2 m) • Offset Angles: 5°, 25° & 45° • Max. Lifting Height: 161.0 ft (49.1 m)
Gross Vehicle Mass	103,900 lb (47,128 kg)
Counterweight	• Upper (Standard)= 17,400 lb (7,893 kg) • Optional Heavy CWT= 28,200 lb (12,791 kg)
Travel Speed	0.8 mph (1.3 km/hr)/ 1.8 mph (2.9 km/hr)
Gradeability	85%
Swing Speed	2.0 RPM
Tail Swing Radius	13' - 1" (4.0m)
House Lock Systems	• 2-position house lock (boom over front or rear). Actuated from the operator's cab. • Optional 360 degree house lock. Actuated from the operator's cab.
Swing Park Brake	Spring applied failsafe brake with hydraulic release that is controlled from the operators cab
Swing Service Brake	Hydraulically applied, controlled through foot actuated pedal
Winches	Planetary geared two-speed winch includes a hydraulic motor, multi-disc internal brake and counterbalance valve. Drum rotation indicator, cable follower and grooved drum is included
Main Winch	• Rope Diameter and Length: 5/8 in x 615 ft (16mm x 187m) • Single line pull: 13,311 lb (59.2 kN) (first layer) • Single line speed: 347 ft/min (105.8 m/min) (4th layer)
Auxiliary Winch	• Rope Diameter and Length: 5/8 in x 350 ft (16mm x 107m) • Single line pull: 13,311 lb (59.2 kN) (first layer) • Single line speed: 347 ft/min (105.8 m/min) (4th layer)

Load Moment Indicator	<ul style="list-style-type: none"> <li>TADANO AML-C Rated Capacity Limiter and Anti-Two Block system</li> <li><b>OPTI-WIDTH™</b> - OPTIMAL lifting performance at any track WIDTH</li> <li>Control function shutdown. Audible and visual warnings</li> <li>LCD screen provides a continuous display of working boom length, boom angle, working load radius, tip height, swing position, parts-of-line (operator set), machine track configuration, relative load moment, maximum permissible load and actual load.</li> <li>Operator configurable working range limits with automatic soft stop.</li> </ul>
Telematics	Machine data logging and monitoring system with HELLO-NET via Internet.
Diesel Engine	<ul style="list-style-type: none"> <li>Make/ Model: Cummins QSB6.7</li> <li>Type: 6 Cylinder, Water cooled, 4 Cycle</li> <li>Aspiration: Turbocharged and Aftercooled</li> <li>Max. Output: 260 hp (194 kW) @ 2200 RPM</li> <li>Max Torque: 730 lb-ft (990 Nm) @ 1500 RPM</li> <li>Piston Disp: 6.7 L</li> <li>Emission Cert: U.S. EPA Tier 4f, Euromot Stage IV</li> <li>Alternator: 70 amp</li> </ul>
Electrical System	24 VDC
Fuel Capacity	85 gallon (321 liter)
Hydraulic System	<ul style="list-style-type: none"> <li>Hydraulic Pumps: Two high pressure, variable axial piston pumps with load sense and power limiting control for crane functions. One axial piston pump for swing function. One gear pump for cooling loop.</li> <li>Directional Valves: Multiple pressure and flow compensated valves with integrated relief valves controlled by electrical signals.</li> <li>Pump output: 154 gpm (582 l/min) @ 2200 RPM engine speed. 5,000 psi (345 bar) maximum pressure</li> <li>Reservoir 185 gallon (700 liter) capacity, spin-on filler breather, sight gauge, cleanout and sump drain.</li> <li>Filtration: Three 5 micron, full-flow tank-mounted return filters with electrical clogging indicator. 3 micron pilot oil in-line pressure filter.</li> <li>Diagnostic Ports: Provided for system, load sense and pilot pressure.</li> </ul>
Optional Equipment	<ul style="list-style-type: none"> <li>Track Shoes: 35.4 in (900mm) 3-bar semi grouser</li> <li>Work Platform: Model WP750 - 36 in x 72 in (0.9m x 1.8m), all steel, welded, two-person platform with maximum capacity of 750 lbs (340 kg).</li> <li>Cold Weather Packages: Cold weather options are available for operation to -40°C (Consult factory for application support).</li> <li>Controlled Free Fall Hoists: Winches are available in controlled free fall configurations.</li> <li>Hydraulic tool Circuit: Provides 5 gpm (23 l/min) and 10 gpm (45 l/min) at 2,500 PSI (176 bar) through a 50 foot (15.2m) twin hose reel with quick disconnect fittings to operate open center tools.</li> <li>Full function Radio remote control package.</li> <li>Auger Package: Hydraulic auger boom package includes auger motor, hoses, fasteners, and stowage bracket assembly mounted to the 2nd stage section of boom for variable radius drilling.</li> </ul>

## WORKING RANGE



## DIMENSIONS



Specifications are subject to change without prior notice.



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