**TELESCOPIC BOOM CRAWLER CRANE**

**GTC-900**

**Crane capacity**
90 US ton (81.6t)

**5-section boom**
141.1 ft (43.0m)

**Jib options**
8.2 ft (2.5m) heavy lift jib
33.1 ft (10.1m) / 58.1 ft (17.7m) bi-fold jib

**Maximum lifting height**
138 ft (42.1m) (boom)
198 ft (60.4m) (jib)

**OPTIMAL lifting performance** at any track WIDTH
**MODEL: GTC-900**

**CRANE CAPACITY**
90 ton at 10 feet (81.6t at 3.0m)

**BOOM**
- Retracted Length: 37.7 feet (11.5 m)
- Extended Length: 141.1 feet (43.0 m)
- Max. Lifting Height: 138 feet (42.1 m)
- Extension Time: 161 s
- Elevating Angles: -1.5° to 81.5°
- Elevating Time: 83 s

**Heavy Lift Jib**
- Total Length: 8.2 ft (2.5 m)
- Offset Angles: 3.5° & 30°
- Max. Lifting Height: 148.6 ft (45.3 m)

**Main Jib**
- Total Length: 58.1 ft (17.7 m)
- Offset Angles: 3.5°, 25° & 45°
- Max. Lifting Height: 198 ft (60.4 m)

**Fly Jib**
- Total Length: 58.1 ft (17.7 m)
- Offset Angles: 3.5°, 25° & 45°
- Max. Lifting Height: 198 ft (60.4 m)

**GROSS VEHICLE MASS**
180,171 lb (81,724 kg)

**COUNTERTIGHT**
- Upper: 45,000 lb (20,411 kg)
- Carbody: 20,000 lb (9,070 kg)

**Travel Speed**
- 0.7 mph (1.1 km/hr)
- 2.1 mph (3.4 km/hr)

**Gradeability**
72%

**Swing Speed**
2.2 RPM

**House Lock Systems**
- 4-position house lock (boom over front, rear or either side)
- Optional 360° degree house lock

**Swing Park Brake**
Spring applied fail-safe brake with hydraulic release that is controlled from the operator’s 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: 3/4 in x 695 ft (19mm x 211m)
- Single line pull: 19,830 lb (88.2 kN) (first layer)
- Single line speed: 368 ft/min (112.2 m/min) (4th layer)

**Auxiliary Winch**
- Rope Diameter and Length: 3/4 in x 480 ft (19mm x 146m)
- Single line pull: 19,830 lb (88.2 kN) (first layer)
- Single line speed: 368 ft/min (112.2 m/min) (4th layer)

**Load Moment Indicator**
- TADANO AML-C Rated Capacity Limiter and Anti-Two Block system
- OPTI-WIDTH™ - OPTIMAL lifting performance at any track WIDTH
- Control function shutdown. Audible and visual warnings
- 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.
- Operator configurable working range limits with automatic soft stop.

**Telematics**
- Machine data logging and monitoring system with HELLO-NET

**Diesel Engine**
- Make/Model: Cummins B6.7
- Type: 6 Cylinder, Water cooled, 4 Cycle
- Aspiration: Turbocharged and Aftercooled
- Max. Output: 310 hp (231 kW) @ 2200 RPM
- Max. Torque: 950 Lb-ft (1288 N-m) @ 1500 RPM
- Piston Disp: 6.7 L
- Emission Cert: U.S. EPA Tier 4, Euromot Stage V
- Alternator: 70 amp

**Electrical System**
- 24 VDC
- Fuel Capacity: 35 gallon (131 liter)

**Hydraulic System**
- 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.
- Directional Valves: Multiple pressure and flow compensated valves with integrated relief valves controlled by electrical signals.
- Pump output: 154gpm (582 l/min) @ 2200 RPM engine speed, 5,000 psi (345 bar) maximum pressure
- Reservoir 227 gallon (861 liter) capacity, filler breather cap, sight gauge, cleanout, and sump drain.
- Filtration: Three 5 micron, full flow tank mounted return filters with electrical clogging indicator, 2 micron pilot oil in-line pressure filter

**Optional Equipment**
- 31.5 in (800mm) 3-bar semi grousers, and 35.4 in (900mm) steel flat track shoes
- 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).
- Cold Weather Packages: Cold weather options are available for operation to -40°F / -40°C
- Controlled free fall winches
- Hydraulic tool Circuit
- Full function Radio remote control package
- Auger Package – mounts to boom second stage for variable radius operation
- Boom mounted anemometer with cab display
- Automatic central lubrication system

**Specifications are subject to change without prior notice.**

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