



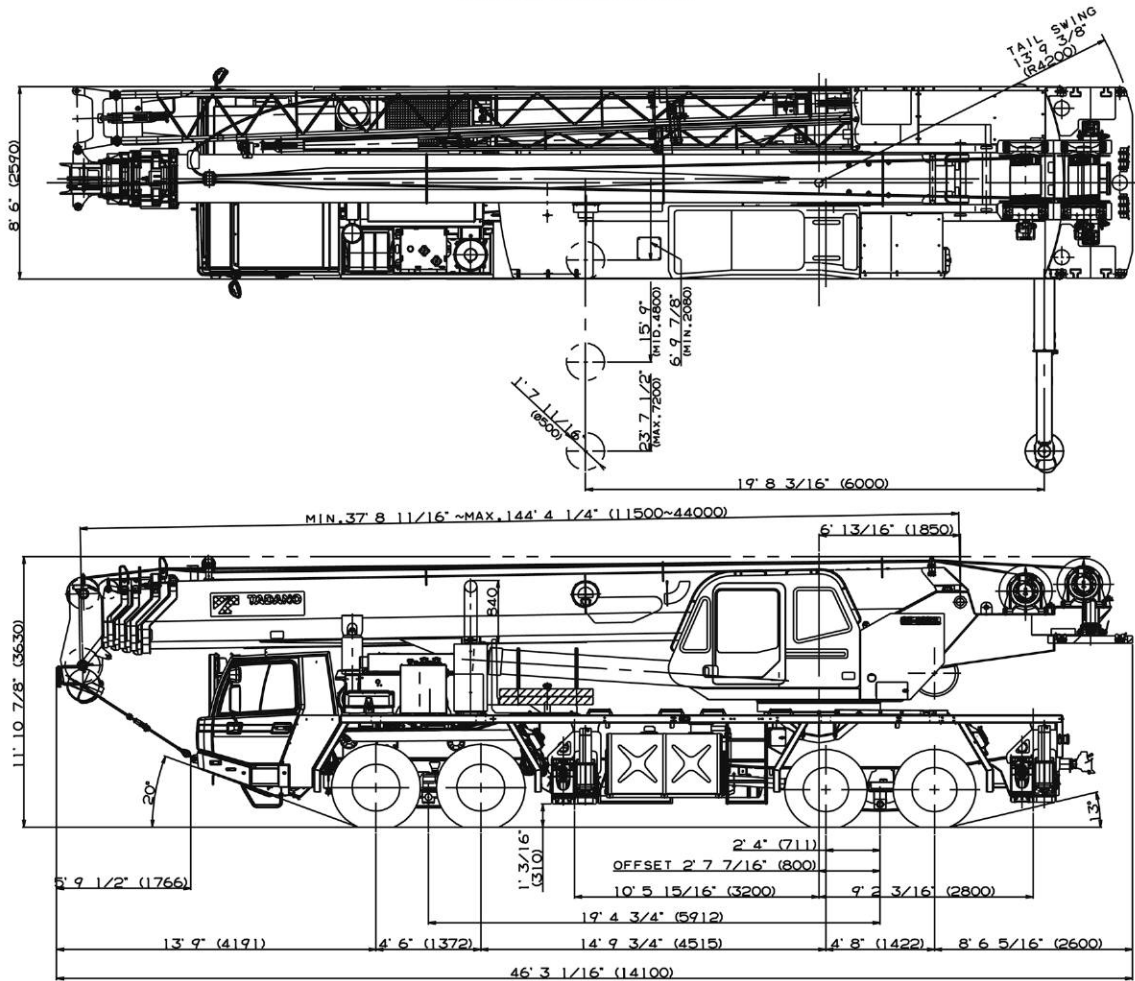
TADANO

GT-900XL

90 Ton Capacity (81.6 Metric Tons)

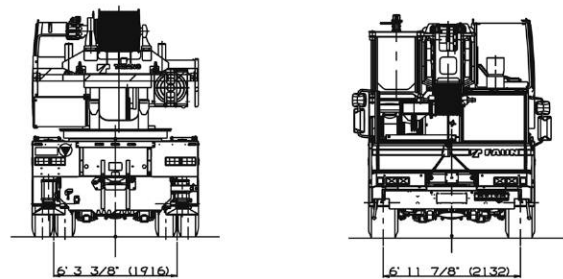
HYDRAULIC TRUCK CRANE

DIMENSIONS



Max. traveling speed 65.4mph (105.3km/h)

| | Feet | Meters |
|-----------------------------|------------|--------|
| Turning radius | | |
| Front tire (curb to curb) | 42' 8" | 13.0 |
| Over jib | 50' 7" | 15.4 |
| Tail swing of counterweight | 13' 9-3/8" | 4.20 |



Specifications are subject to change without notice.

CRANE SPECIFICATIONS

BOOM

5-section full power synchronized telescoping boom, 37.7'~144.4' (11.5m~44m), of round hexagonal box construction with 8-sheaves, 17-5/16" (0.440m) root diameter, at boom head. The synchronization system consists of two double acting telescope cylinders, two extension cables and retraction cables. Hydraulic cylinder fitted with holding valve. Two easily removable wire rope guards, rope dead end provided on both sides of boom head. Boom telescope sections are supported by wear pads both vertically and horizontally. Selection of two boom telescoping modes.

BOOM ELEVATION - By a double acting hydraulic cylinder with holding valve. Elevation -2°~80°, combination controls for hand or foot operation. Boom angle indicator.

JIB - Double stage lattice type, 3.5°, 25° or 45° offset (tilt type). Single sheave, 15-5/8"(0.396m) root diameter, at base and top jib head. Stored alongside base boom section. Jib length is 32.5' (9.9m) or 58.1' (17.7m). Assist cylinders for mounting and stowing, controlled at right side of superstructure. Self stowing jib mounting pins.

AUXILIARY LIFTING SHEAVE (SINGLE TOP) - Single sheave, 15-5/8"(0.396m) root diameter. Mounted to main boom head for single line work (stowable).

ANTI-TWO BLOCK - Pendant type over-winding cut out device with audio-visual (FAILURE lamp/BUZZER) warning system.

SWING

Hydraulic axial piston motor driven through planetary swing speed reducer. Continuous 360° full circle swing on ball bearing turntable at 1.7rpm. Equipped with manually locked/released swing brake. Twin swing System: Free swing or lock swing controlled by selector switch on front console.

HOIST

MAIN HOIST - Variable speed type with grooved drum driven by hydraulic axial piston motor through winch speed reducer. Power load lowering and raising. Equipped with automatic brake (neutral brake) and counterbalance valve. Controlled independently of auxiliary hoist. Equipped with cable follower. Drum rotation indicator.

DRUM - Grooved 15-3/4"(0.40m) root diameter x 23-9/16" (0.599m) wide. Wire rope: 797' of 3/4" diameter rope (243m of 19mm). Drum capacity: 1,133.9' (345.6m) 7 layers. Maximum line pull (Available): 18,200lbs. (8,260kg)*. Maximum line speed: 585FPM (178m/min).

AUXILIARY HOIST - Variable speed type with grooved drum driven by hydraulic axial piston motor through winch speed reducer. Power load lowering and raising. Equipped with automatic brake (neutral brake) and counterbalance valve. Controlled independently of main hoist. Equipped with cable follower. Drum rotation indicator.

DRUM - Grooved 15-3/4"(0.40m) root diameter x 23-9/16" (0.599m) wide. Wire rope: 436' of 3/4" diameter rope (133m of 19mm). Drum capacity: 1,133.9' (345.6m) 7 layers. Maximum line pull (Available): 18,200lbs. (8,260kg)*. Maximum line speed: 585FPM (178m/min).

* Permissible line pull may be affected by wire rope strength.

WIRE ROPE - Warrington seal wire, extra improved plow steel, preformed, independent wire rope core, right regular lay. 3/4"(19 mm) 6X37 class

HOOK BLOCKS

6.2 ton (5.6 metric ton) - Weighted hook with swivel and safety latch, for 3/4"(19mm) wire rope.

HYDRAULIC SYSTEM

PUMPS - Two variable piston pumps for crane functions. Tandem gear pump for swing and optional equipment. Powered by carrier engine. Pump disconnect for crane is engaged/ disengaged by rocker switch from carrier cab.

CONTROL VALVES - Multiple valves actuated by pilot pressure with integral pressure relief valves.

RESERVOIR - 185 gallon (700 lit.) capacity. External sight level gauge.

FILTRATION - 26 micron return filter, full flow with bypass protection, located inside of hydraulic reservoir. Accessible for easy replacement.

OIL COOLER - Air cooled fan type.

COUNTERWEIGHT

Pinned to superstructure frame.

Total mass of counterweights :

- 11,500 lbs (6,000 + 5,500 lbs)
- 16,500 lbs (11,500 + 5,000 lbs)
- 35,000 lbs (16,500 + 10,500 + 8,000 lbs)
- 39,500 lbs (35,000 + 2,250 x 2 lbs)

Hydraulically controlled counterweight.

CAB AND CONTROLS

Left side, 1 man type, steel construction with sliding door access and safety glass windows opening at side. Door window is powered control. Windshield glass window and roof glass window are shatter-resistant. Adjustable control lever stands for swing, boom hoist, boom telescoping, auxiliary hoist and main hoist. Control lever stands can change neutral positions and tilt for easy access to cab. Engine throttle knob. Foot operated controls: boom hoist, boom telescoping and engine throttle. Hot water cab heater and air conditioning.

Dash-mounted engine start/stop, monitor lamps, cigarette lighter, telescoping mode I / II switch, low noise mode switch, front washer and wiper switch, power window switch, swing brake switch, telescoping / auxiliary winch select switch, main winch / auxiliary winch selector switch, swing stop cancel switch, slow elevation stop cancel switch, free swing / lock swing selector switch and ashtray. Outrigger controls .

Instruments - Hydraulic oil pressure is monitored and displayed on the AML-L display panel.

Tadano electronic LOAD MOMENT INDICATOR system (AML-L) including:

- Control lever lockout function
- Load radius / boom angle / tip height / swing range preset function
- Warning buzzer
- Boom angle / boom length / jib offset angle / load radius / rated lifting capacities / actual loads read out
- Ratio of actual load moment to rated load moment indication
- Automatic Speed Reduction and Soft Stop function on boom elevation and swing (swing range restricted only)
- Working condition register switch
- External warning lamp

TADANO AML-L monitors outrigger extended length and automatically programs the corresponding "RATED LIFTING CAPACITIES" table.

2nd boom emergency / 3rd,4th,top boom emergency telescoping switch. Correct jib status select switch. Upper console includes working light switch, roof washer and wiper switch, oil cooler switch, emergency outrigger set up key switch and air conditioning control switch. Swing lock lever and 3 way adjustable seat with high back.

NOTE: Each crane motion speed is based on unladen conditions.

CARRIER SPECIFICATIONS

MANUFACTURER - FAUN GmbH

MODEL - KF90-4

TYPE - Left hand steering, 8x4

FRAME - High tensile steel, all welded mono-box construction.

TRANSMISSION - ZF-AS-Tronic 12 AS 2302 mechanical transmission with electro-pneumatically actuated dry-type clutch and automatic gear shifting with 12 forward gears and 2 reverse gears. Power / Economy mode.

TRANSFER CASE - Two stage.

TRAVELING SPEEDS AND GRADE ABILITY

| Gear step / Gear | Traveling speeds in mph (k.p.h) | | | | Grade ability @ Peak Torque in % | |
|------------------|---------------------------------|---------|----------------|---------|----------------------------------|----------------|
| | Transfer "High" | | Transfer "Low" | | Transfer "High" | Transfer "Low" |
| 1st gear | 0-4.1 | (0-6.7) | 0-2.4 | (0-3.9) | 48.3 | 64.8 |
| 2nd gear | 5.3 | (8.6) | 3.1 | (5.0) | 35.6 | 46.3 |
| 3rd gear | 6.8 | (11.0) | 3.9 | (6.4) | 26.7 | 34.2 |
| 4th gear | 8.8 | (14.2) | 5.1 | (8.2) | 20.1 | 25.6 |
| 5th gear | 11.1 | (18.0) | 6.4 | (10.4) | 15.5 | 19.8 |
| 6th gear | 14.3 | (23.1) | 8.3 | (13.4) | 11.7 | 15.0 |
| 7th gear | 18.9 | (30.4) | 10.9 | (17.6) | 8.6 | 11.0 |
| 8th gear | 24.3 | (39.1) | 14.1 | (22.7) | 6.4 | 8.3 |
| 9th gear | 31.3 | (50.4) | 18.1 | (29.2) | 4.6 | 6.1 |
| 10th gear | 40.2 | (64.7) | 23.3 | (37.5) | 3.3 | 4.5 |
| 11th gear | 51.1 | (82.2) | 29.6 | (47.6) | 2.2 | 3.3 |
| 12th gear | 65.4 | (105.3) | 37.8 | (61.0) | 1.3 | 2.3 |
| 1st Reverse gear | 4.4 | (7.2) | 2.6 | (4.2) | 43.9 | 58.1 |
| 2nd Reverse gear | 5.7 | (9.3) | 3.3 | (5.4) | 32.6 | 42.1 |

AXLES - Front: Full floating type, steering axle.

Rear: Full floating type, driving axle.

All driven axles with differential locks.

All axle steering knuckle bearings designed for minimum maintenance (annual inspection).

ENGINE (EUROMOTO IIIa / EPA Tier 3)

| | |
|-------------------------------|---|
| Model | Daimler Chrysler OM460LA |
| No. of cylinders | 6 |
| Combustion | 4 cycle, turbo charged and inter cooled |
| Displacement, cu. in (liters) | 781.1 (12.8) |
| Air cleaner | Dry type, replaceable element |
| Oil filter | Full flow and bypass with replaceable element |
| Fuel filter | Spin-on type |
| Fuel tank, gal. (liters) | 105.6 (400), right side of carrier |
| Cooling | Liquid pressurized, recirculating by-pass |

STEERING - ZF-Servocon, dual circuit hydraulic and mechanical steering of both front axles. Transfer-mounted emergency steering pump.

SUSPENSION - Front : Walking beam with air bags and shock absorbers. Rear : Walking beam with air bags and shock absorbers

BRAKE SYSTEMS - Service: ABS system. Full air brakes on all wheels. Dual air line system. Parking / Emergency : Spring loaded brake on rear 4-wheel controlled by knob of spring brake valve. Auxiliary : Constant throttle system with exhaust flap brake.

TIRES - Front: 445/65R22.5 SingleX4 Rear: 315/80R22.5 DualX4 Spare: 445/65R22.5 SingleX1

OUTRIGGERS - Four hydraulic, beam and jack outriggers.

Vertical jack cylinders equipped with integral holding valve. Each outrigger beam and jack is controlled independently from either side of carrier. Beams extend to 23' 7-1/2" (7.2 m) center-line and retract to within 8' 6" (2.59 m) overall width. Equipped with four stowable plastic floats. Controls and sight bubble located in crane cab and on both sides of carrier. Three outrigger extension lengths are provided with corresponding "RATED LIFTING CAPACITIES" for crane duty in confined areas.

Min. extension 6' 9-7/8" (2.08m) center to center

Mid. extension 15' 9" (4.8m) center to center

Max. extension 23' 7-1/2" (7.2m) center to center

Float size(Diameter) 1' 7-11/16" (0.5m)

FRONT JACK - A fifth hydraulically operated outrigger jack.

Mounted to the front frame of carrier. Hydraulic cylinder equipped with integral holding valve and steel float.

Float size(Diameter) 1' 3-11/16" (0.4m)

CARRIER CAB - One man full width cab of composite (steel sheet metal and fiber-glass) structure, with safety glass, air-cushioned adjustable seats, engine dependent hot-water heater. Complete controls and instrumentation for road travel. Speed control (Cruise control). Air conditioning

ELECTRICAL SYSTEM - 24 volt DC system, 2 batteries. Electrical system conforms with EEC regulations.

| | |
|-----------------------------|---|
| Radiator | Fin and tube core, thermostat controlled |
| Fan, in. (mm) | Hydraulic driven fan, 2x24.8 (2x630) dia. |
| Starting | 24 volt, 5.8kW |
| Charging | 24 volt DC system, negative ground |
| Compressor, air, CFM(l/min) | 12.4 (352) @ 2000 rpm |
| Horsepower, hp(kW) | 490 (360) @ 1800 rpm |
| Torque, Max. ft-lb(Nm) | 1628 (2200) @ 1300 rpm |

STANDARD EQUIPMENT

FOR SUPERSTRUCTURE

- 5-section full power synchronized boom 37.7'~144.4' (11.5 m~44 m)
- 32.5'~58.1' (9.9 m~17.7 m) bi-fold lattice jib (tilt type) with 3.5°, 25° or 45° pinned offsets and self storing pins.
- Boom hoist foot control
- Boom telescoping foot control
- Boom angle indicator
- Variable speed main hoist with grooved drum, cable follower and 797' of 3/4" cable.
- Mirror for main and auxiliary hoists
- Drum rotation indicator (thumper type) main and auxiliary hoist
- Variable speed auxiliary hoist with grooved drum, cable follower and 436' of 3/4" cable.
- Tadano twin swing system
- 360° positive swing lock
- Anti-Two block device (overwind cutout)
- Tadano electronic load moment indicator system (AML-L) including
 - Control lever lockout function
 - Load radius / boom angle / tip height / swing range preset function
 - Warning buzzer
 - Boom angle / boom length / jib offset angle / load radius / rated lifting capacities / actual loads read out
 - Automatic Speed Reduction and Soft Stop function on boom elevation and/or swing (swing range restricted only).
 - Ratio of actual load moment to rated load moment indication
 - Working condition register switch
 - External warning lamp
- Tinted safety glass
- Front windshield wiper and washer
- Roof window wiper and washer
- Electric fan in cab
- Hot water cab heater and air conditioner (Upper cab)
- Power window (Door of the cab)
- 3 way adjustable cloth seat with armrests, high back and seat belt
- Self centering finger control levers with pilot control
- Cab floor mat
- Cigarette lighter
- 55ton 5sheave quick reeve hook Block
- 6.2 ton (5.6 metric ton) hook with swivel
- Weighted hook storage compartment
- Hook block tie down front bumper
- Hydraulic oil cooler
- Hydraulically controlled counterweight
- Counterweight position indicator
- Hydraulic circuit for boom dolly (Boom elevation and swing)
- two boom telescoping modes
- Control pedals for boom hoist and boom telescoping
- 3 working lights
- Outrigger extension length detector
- Outrigger controls and sight bubble located in superstructure cab and both side of carrier
- Auxiliary lifting sheave (single top) stowable
- Back cover of left side superstructure

FOR CARRIER

- Daimler Chrysler OM460LA turbo charged and inter cooled engine with Constant throttle system and Speed control (Cruise control)
- Engine over-run buzzer
- Engine RPM limiter
- ZF-AS-Tronic 12 AS 2302 mechanical transmission with electro-pneumatically actuated dry-type clutch and automatic gear shifting with 12 forward gears and 2 reverse gears. Power / Economy mode.
- Air ride front & rear suspension
- Front and spare tires 445/65R22.5
- Rear tires 315/80R22.5
- Anti-block system(ABS)
- Towing hooks (Front and rear, Eye type)
- Carrier mounted storage box
- Trailer coupling device
- Air dryer
- ZF-Servocom, dual circuit hydraulic and mechanical steering system with emergency steering pump
- Outrigger controls and sight bubble located in superstructure cab and both side of carrier
- Front jack (Fifth jack)
- Aluminum fenders
- Windshield wiper and washer
- Emergency hammer
- 3 point type seat belt
- Sun visor
- Tilt telescoping steering wheel
- 3 way adjustable air-cushioned seat
- Windshield of laminated safety glass
- Side windows of hardened glass
- Air pressure gauge
- Tachometer
- Hourmeter (Operation from the carrier and superstructure)
- Engine temperature indicator
- Fuel level indicator
- Gearbox display
- Speedometer
- Fog light
- Rear fog light
- Reversing signal (Buck-up alarm)
- Adjustment and heating rearview mirror
- High-beam light
- Hazard warning system
- Electric horn
- Hot water cab heater with defroster
- Air conditioning
- FM/AM CD-Radio
- Air and electrical connections at rear bumper for boom dolly
- Swing brake pressure drop buzzer for dolly
- Gearbox malfunction buzzer
- Air cleaner dust indicator
- Daytime running lights
- Non-slip paint
- Exhaust pipe extension
- Rotary beacon

HOISTING PERFORMANCE

LINE SPEEDS AND PULLS

| Layer | Speed | Main or auxiliary hoist - 15'-3/4" (0.4m) drum | | | | | |
|------------------|-------|--|-------|------------------------|-------|--------------------------|-------|
| | | Line speeds ² | | Line pulls | | | |
| | | | | Available ¹ | | Permissible ⁴ | |
| | | F.P.M | m/min | Lbs. | kgf | Lbs. | kgf |
| 1st | High | 378 | 115 | 18,200 | 8,260 | 15,200 | 6,880 |
| 2nd | High | 413 | 126 | 16,700 | 7,570 | 13,900 | 6,310 |
| 3rd | High | 448 | 136 | 15,400 | 6,990 | 12,800 | 5,820 |
| 4th | High | 482 | 147 | 14,300 | 6,490 | 11,900 | 5,410 |
| 5th | High | 502 | 157 | 13,400 | 6,060 | 11,100 | 5,050 |
| 6th | High | 551 | 168 | 12,500 | 5,680 | 10,400 | 4,730 |
| 7th ³ | High | 585 | 178 | 11,800 | 5,350 | 9,800 | 4,460 |

- ¹ Developed by machinery with each layer of wire rope, but not based on rope strength or other limitation in machinery or equipment.
- ² Line speeds based only on hook block, not loaded.
- ³ Seventh layer of wire rope is not recommended for hoisting operations.
- ⁴ Permissible line pull may be affected by wire rope strength.

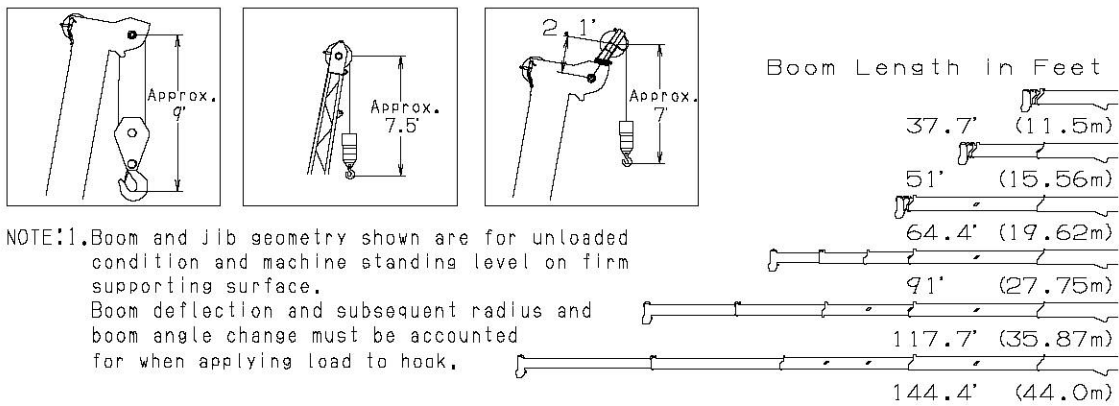
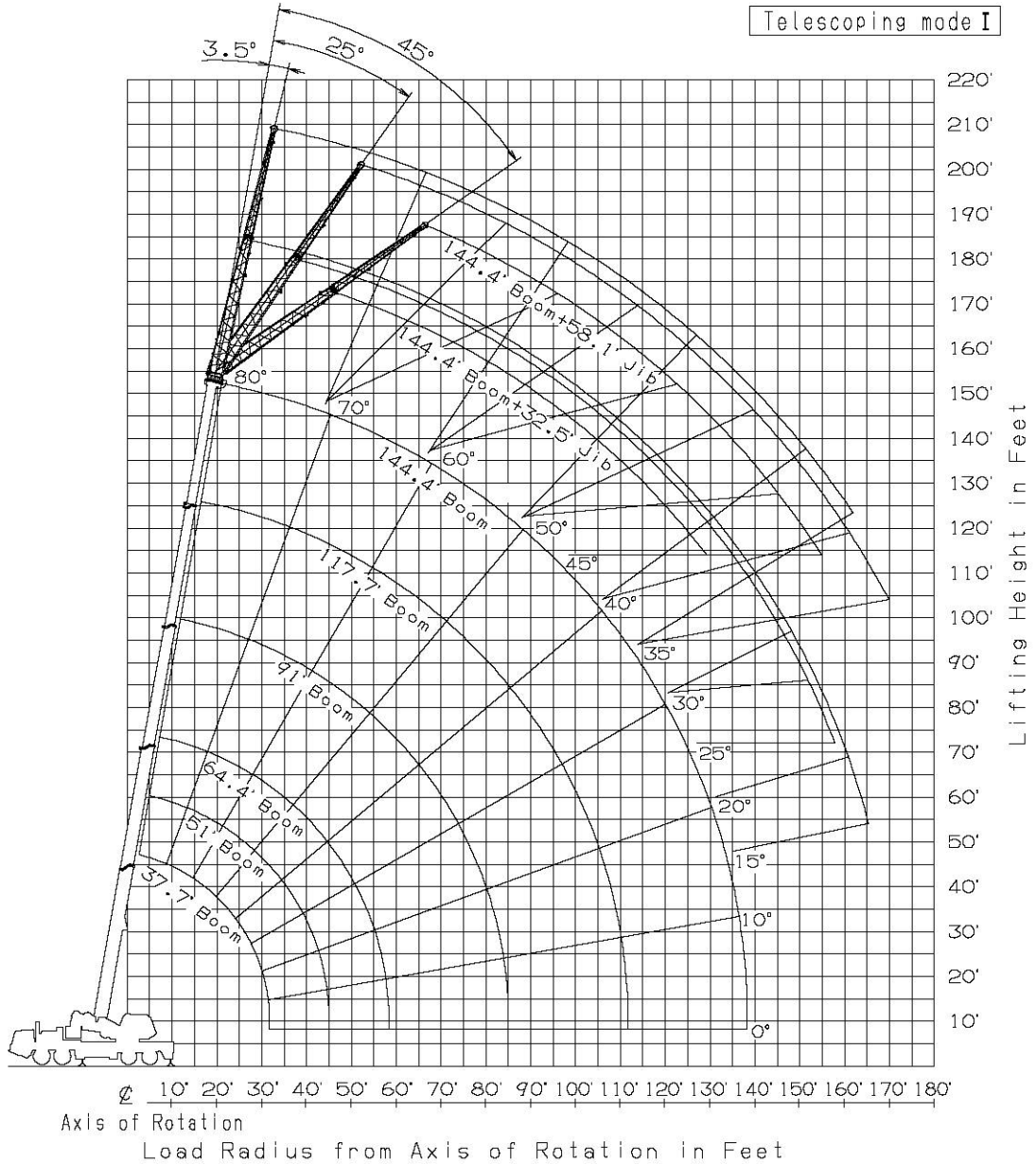
DRUM WIRE ROPE CAPACITIES

| Wire rope layer | Main and auxiliary drum grooved lagging | | | |
|-----------------|---|--------|-----------------|--------|
| | 3/4" (19mm) wire rope | | | |
| | Rope per layer | | Total wire rope | |
| | Feet | Meters | Feet | Meters |
| 1 | 127.3 | 38.8 | 127.3 | 38.8 |
| 2 | 138.8 | 42.3 | 266.1 | 81.1 |
| 3 | 150.6 | 45.9 | 416.7 | 127.0 |
| 4 | 162.1 | 49.4 | 578.7 | 176.4 |
| 5 | 173.6 | 52.9 | 752.3 | 229.3 |
| 6 | 185.0 | 56.4 | 937.3 | 285.7 |
| 7 | 196.5 | 59.9 | 1133.9 | 345.6 |

DRUM DIMENSIONS

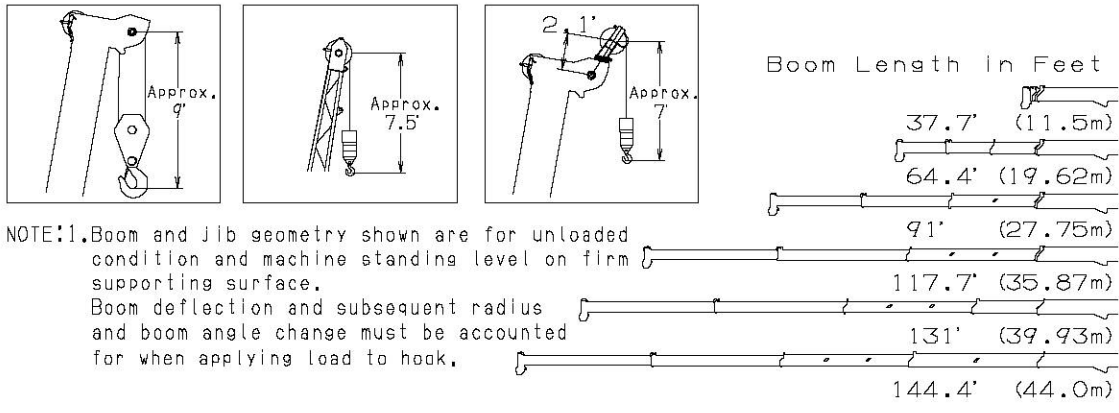
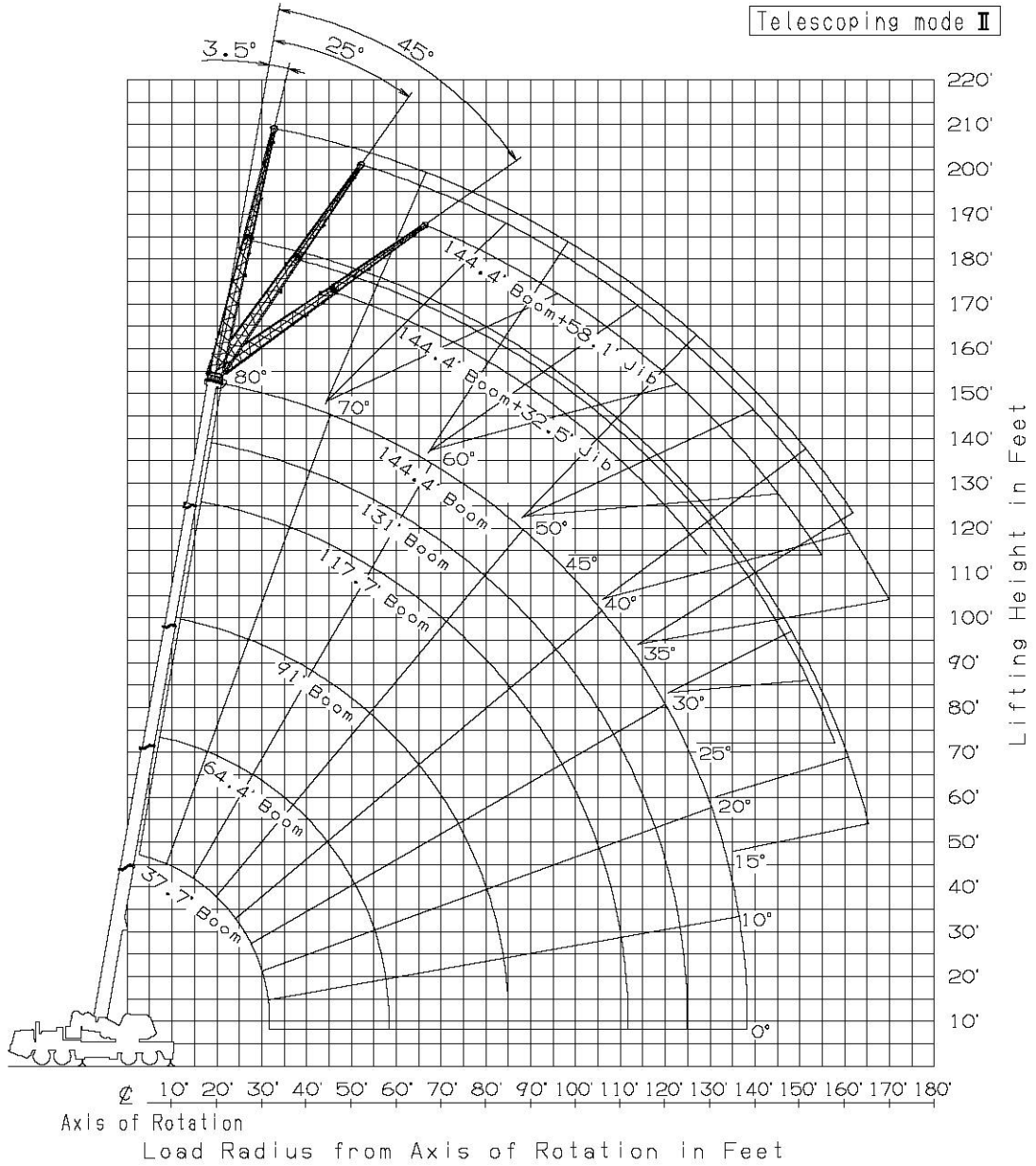
| | Inch | mm |
|-----------------|----------|-----|
| Root diameter | 15-3/4" | 400 |
| Length | 23-9/16" | 599 |
| Flange diameter | 27-3/8" | 695 |

GT-900XL WORKING RANGE CHART



NOTE: 1. Boom and Jib geometry shown are for unloaded condition and machine standing level on firm supporting surface. Boom deflection and subsequent radius and boom angle change must be accounted for when applying load to hook.

GT-900XL WORKING RANGE CHART



RATED LIFTING CAPACITY TABLE

NOTES

■ The performances of the rated lifting capacities are classified as shown in the table below.

- Boom lift , Single top lift

| Counter weight Outrigger extension width | 39,500 lbs (17.9 t) | 35,000 lbs (15.9 t) | 16,500 lbs (7.4 t) | 11,500 lbs (5.1 t) | 0 lbs (0 t) |
|---|------------------------|------------------------|-----------------------|-----------------------|----------------|
| 23' 7 1/2" (7.2 m) | A | B | C | D | E |
| 15' 9" (4.8 m) | F | G | H | I | J |
| 6' 9 7/8" (2.08 m) | | | K* | L* | M* |

*: **K, L, M** rated lifting capacity is available with 37.7' (11.5 m) boom length only.

- Jib lift

| Counter weight Outrigger extension width | 39,500 lbs (17.9 t) | 35,000 lbs (15.9 t) | 16,500 lbs (7.4 t) | 11,500 lbs (5.1 t) | 0 lbs (0 t) |
|---|------------------------|------------------------|-----------------------|-----------------------|----------------|
| 23' 7 1/2" (7.2 m) | JA | JB | JC | JD | JE |
| 15' 9" (4.8 m) | JF | JG | JH | | |
| 6' 9 7/8" (2.08 m) | | | | | |

A

GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 39,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | | | | |
|--|-----------------|---------|----------------|---------|---------------|--------|-------------|--------|----------------|--------|-----------------|--------|------------------|--------|-------|-------|-------|
| A \ B | 37.7 (11.5m) | | 51 (15.56m) | | 64.4 (19.62m) | | 91 (27.75m) | | 117.7 (35.87m) | | 131 (39.93m) | | 144.4 (44.0m) | | | | |
| | C | C | C | C | C | C | C | C | C | C | C | C | C | C | | | |
| 8' | 71 | 180,000 | | | | | | | | | | | | | | | |
| 10' | 68 | 160,000 | 74 | 103,600 | 78 | 88,100 | 78 | 44,000 | | | | | | | | | |
| 12' | 65 | 140,000 | 72 | 103,600 | 76 | 88,100 | 76 | 44,000 | | | | | | | | | |
| 15' | 60 | 120,500 | 68 | 103,600 | 73 | 88,100 | 73 | 44,000 | 79 | 44,000 | 79 | 30,800 | | | | | |
| 20' | 50 | 90,000 | 62 | 89,200 | 69 | 71,900 | 69 | 44,000 | 76 | 44,000 | 76 | 30,800 | 80 | 30,800 | | | |
| 25' | 38 | 70,500 | 55 | 69,700 | 64 | 61,300 | 64 | 44,000 | 73 | 44,000 | 73 | 30,800 | 77 | 30,800 | | | |
| 30' | 21 | 45,900 | 48 | 56,500 | 58 | 53,400 | 58 | 44,000 | 69 | 41,300 | 69 | 29,500 | 75 | 30,800 | | | |
| 35' | | | 39 | 47,000 | 53 | 46,400 | 53 | 42,100 | 66 | 35,900 | 66 | 25,600 | 72 | 30,800 | | | |
| 40' | | | 28 | 39,000 | 47 | 38,200 | 47 | 38,100 | 62 | 31,800 | 62 | 22,600 | 70 | 27,400 | | | |
| 45' | | | | | 40 | 31,000 | 40 | 34,600 | 59 | 28,300 | 59 | 20,100 | 67 | 24,200 | | | |
| 50' | | | | | 32 | 25,600 | 32 | 30,800 | 55 | 25,500 | 55 | 18,100 | 64 | 21,600 | | | |
| 60' | | | | | | | | | 46 | 20,800 | 46 | 14,900 | 59 | 17,400 | | | |
| 70' | | | | | | | | | 36 | 15,600 | 36 | 12,600 | 52 | 14,400 | | | |
| 80' | | | | | | | | | 22 | 11,900 | 22 | 10,900 | 46 | 12,100 | | | |
| 90' | | | | | | | | | | | | 38 | 10,200 | 38 | 7,900 | | |
| 100' | | | | | | | | | | | | 28 | 8,200 | 28 | 6,900 | | |
| 110' | | | | | | | | | | | | 13 | 6,500 | 13 | 6,100 | | |
| 120' | | | | | | | | | | | | | | | 19 | 5,500 | |
| 130' | | | | | | | | | | | | | | | | 23 | 4,400 |
| D | 0° | | | | | | | | | | | | | | | | |
| Telescoping conditions (%) | | | | | | | | | | | | | | | | | |
| Telescoping mode | I, II | I | I | I | II | I | II | I | II | I | II | II | I, II | | | | |
| 2nd boom | 0 | 50 | 100 | 0 | 100 | 0 | 100 | 0 | 100 | 0 | 100 | 50 | 100 | | | | |
| 3rd boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | 100 | | | | |
| 4th boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | 100 | | | | |
| Top boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | 100 | | | | |

A: Boom length in feet
 B: Load radius in feet
 C: Loaded boom angle (°)
 D: Minimum boom angle (°) for indicated length (no load)

| LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 39,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | | | | | | | |
|---|-----------------|--------|----------------|--------|------------------|--------|------------------|--------|----------------|-------|----------------|-------|-------------------|-------|-------------------|-------|-----------------|-------|------------------|-------|
| A \ E | 37.7 (11.5m) | | 51 (15.56m) | | 64.4 (19.62m) | | 64.4 (19.62m) | | 91 (27.75m) | | 91 (27.75m) | | 117.7 (35.87m) | | 117.7 (35.87m) | | 131 (39.93m) | | 144.4 (44.0m) | |
| | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B |
| 0 | 31.7 | 30,200 | 45.0 | 17,900 | 58.3 | 10,100 | 58.3 | 15,700 | 85.0 | 7,700 | 85.0 | 7,900 | 111 | 6,000 | 111 | 5,700 | 125 | 4,200 | 138 | 1,100 |
| Telescoping mode | I, II | | I | | I | | II | | I | | II | | I | | II | | II | | I, II | |

A: Boom length in feet
 B: Load radius in feet
 E: Boom angle (°)

NOTE: • The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-L) is based on the standard number of parts of line listed in the following table:
 • Standard number of parts of line for each boom length shall be according to the following table:

| Boom Length in Feet (meters) | 37.7' (11.5) | 37.7' to 51' (11.5 to 15.56) | 51' to 64.4' (15.56 to 19.62) | 64.4' to 91' (19.62 to 27.75) | 91' to 144.4' (27.75 to 44.0) | Single top Jib |
|------------------------------|--------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------|
| Number of parts of line | 16 | 12 | 10 | 5 | 4 | 1 |

JA GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 39,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|--|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 144.4' (44.0m) Boom + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 32.1 | 9,900 | 44.2 | 8,800 | 51.9 | 8,100 |
| 75° | 50.0 | 9,900 | 60.6 | 8,700 | 66.4 | 7,300 |
| 70° | 66.1 | 9,700 | 75.0 | 7,600 | 79.9 | 6,600 |
| 65° | 80.2 | 7,900 | 88.8 | 6,600 | 92.4 | 6,000 |
| 60° | 93.4 | 6,400 | 101.0 | 5,800 | 105.0 | 5,500 |
| 55° | 106.0 | 5,100 | 113.0 | 4,700 | 116.0 | 4,700 |
| 50° | 117.0 | 4,100 | 123.0 | 3,900 | 126.0 | 3,900 |
| 45° | 127.0 | 3,400 | 133.0 | 3,200 | 135.0 | 3,300 |
| 40° | 137.0 | 2,800 | 142.0 | 2,700 | | |
| 35° | 145.0 | 2,300 | 149.0 | 2,300 | | |
| 30° | 152.0 | 2,000 | 156.0 | 1,900 | | |
| 25° | 159.0 | 1,700 | 162.0 | 1,700 | | |
| 20° | 164.0 | 1,500 | | | | |
| 15° | 168.0 | 1,300 | | | | |

| Boom Angle in Degree | 144.4' (44.0m) Boom + 58.1' (17.7m) Jib | | | | | |
|----------------------|---|-------|----------|-------|----------|-------|
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 39.9 | 5,900 | 64.3 | 5,400 | 73.8 | 3,400 |
| 75° | 59.6 | 5,900 | 82.2 | 4,800 | 89.9 | 3,400 |
| 70° | 78.3 | 5,900 | 98.4 | 4,200 | 105.0 | 3,400 |
| 65° | 94.7 | 4,900 | 113.0 | 3,700 | 118.0 | 3,100 |
| 60° | 109.0 | 4,200 | 127.0 | 3,300 | 130.0 | 2,900 |
| 55° | 121.0 | 3,400 | 140.0 | 3,000 | 141.0 | 2,700 |
| 50° | 136.0 | 2,700 | 152.0 | 2,600 | 151.0 | 2,500 |
| 45° | 148.0 | 2,100 | 161.0 | 2,000 | 161.0 | 2,000 |
| 40° | 159.0 | 1,600 | 171.0 | 1,600 | | |
| 35° | 169.0 | 1,200 | 179.0 | 1,200 | | |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 39,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|--|--------|----------|--------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode I) + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 25.6 | 12,300 | 36.7 | 10,300 | 44.2 | 8,300 |
| 75° | 39.7 | 12,300 | 50.6 | 10,000 | 56.5 | 8,000 |
| 70° | 53.3 | 12,300 | 62.8 | 8,800 | 67.6 | 7,400 |
| 65° | 65.3 | 10,500 | 74.1 | 7,900 | 77.9 | 6,800 |
| 60° | 76.8 | 9,100 | 84.7 | 7,100 | 88.0 | 6,400 |
| 55° | 87.5 | 8,000 | 94.7 | 6,500 | 97.6 | 6,000 |
| 50° | 97.2 | 7,100 | 104.0 | 6,000 | 106.0 | 5,700 |
| 45° | 106.0 | 6,100 | 112.0 | 5,700 | 114.0 | 5,500 |
| 40° | 114.0 | 5,300 | 120.0 | 5,100 | | |
| 35° | 122.0 | 4,700 | 126.0 | 4,600 | | |
| 30° | 128.0 | 4,300 | 132.0 | 4,200 | | |
| 25° | 134.0 | 4,000 | 137.0 | 3,900 | | |
| 20° | 138.0 | 3,700 | | | | |
| 15° | 142.0 | 3,500 | | | | |

| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode I) + 58.1' (17.7m) Jib | | | | | |
|----------------------|---|-------|----------|-------|----------|-------|
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 32.9 | 7,900 | 54.8 | 5,700 | 66.7 | 3,700 |
| 75° | 49.5 | 7,900 | 69.8 | 5,200 | 80.1 | 3,700 |
| 70° | 64.9 | 7,100 | 83.8 | 4,700 | 92.1 | 3,600 |
| 65° | 79.0 | 6,000 | 96.6 | 4,200 | 103.0 | 3,500 |
| 60° | 92.6 | 5,100 | 109.0 | 3,800 | 113.0 | 3,300 |
| 55° | 105.0 | 4,500 | 119.0 | 3,500 | 123.0 | 3,100 |
| 50° | 117.0 | 4,000 | 129.0 | 3,200 | 131.0 | 3,000 |
| 45° | 127.0 | 3,600 | 138.0 | 3,000 | 139.0 | 2,900 |
| 40° | 137.0 | 3,300 | 146.0 | 2,900 | | |
| 35° | 145.0 | 3,100 | 153.0 | 2,800 | | |
| 30° | 152.0 | 2,800 | 159.0 | 2,700 | | |
| 25° | 159.0 | 2,500 | 163.0 | 2,400 | | |
| 20° | 163.0 | 2,200 | | | | |
| 15° | 167.0 | 2,100 | | | | |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 39,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|---|--------|----------|--------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode II) + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 25.3 | 11,000 | 38.2 | 10,300 | 45.6 | 8,300 |
| 75° | 40.5 | 11,000 | 51.5 | 9,300 | 57.6 | 7,700 |
| 70° | 54.2 | 10,600 | 63.5 | 8,000 | 68.7 | 6,900 |
| 65° | 65.8 | 8,600 | 74.9 | 7,000 | 79.2 | 6,200 |
| 60° | 77.0 | 7,100 | 85.5 | 6,200 | 89.2 | 5,700 |
| 55° | 87.5 | 5,900 | 95.4 | 5,300 | 98.5 | 5,200 |
| 50° | 97.4 | 5,000 | 104.0 | 4,600 | 107.0 | 4,500 |
| 45° | 106.0 | 4,300 | 113.0 | 4,100 | 114.0 | 4,000 |
| 40° | 115.0 | 3,800 | 120.0 | 3,600 | | |
| 35° | 122.0 | 3,400 | 127.0 | 3,300 | | |
| 30° | 128.0 | 3,100 | 132.0 | 3,000 | | |
| 25° | 134.0 | 2,800 | 137.0 | 2,800 | | |
| 20° | 138.0 | 2,700 | | | | |
| 15° | 142.0 | 2,500 | | | | |

| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode II) + 58.1' (17.7m) Jib | | | | | |
|----------------------|--|-------|----------|-------|----------|-------|
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 33.5 | 6,300 | 55.9 | 5,700 | 66.9 | 3,700 |
| 75° | 50.7 | 6,300 | 71.1 | 5,100 | 80.6 | 3,700 |
| 70° | 66.3 | 6,300 | 84.6 | 4,400 | 92.6 | 3,600 |
| 65° | 80.4 | 5,300 | 97.3 | 3,900 | 103.0 | 3,300 |
| 60° | 93.6 | 4,500 | 109.0 | 3,500 | 114.0 | 3,000 |
| 55° | 106.0 | 3,900 | 120.0 | 3,100 | 123.0 | 2,800 |
| 50° | 117.0 | 3,300 | 130.0 | 2,800 | 132.0 | 2,700 |
| 45° | 127.0 | 2,800 | 139.0 | 2,600 | 140.0 | 2,500 |
| 40° | 137.0 | 2,400 | 146.0 | 2,300 | | |
| 35° | 145.0 | 2,100 | 153.0 | 2,000 | | |
| 30° | 152.0 | 1,900 | 159.0 | 1,800 | | |
| 25° | 159.0 | 1,700 | 163.0 | 1,700 | | |
| 20° | 164.0 | 1,500 | | | | |
| 15° | 168.0 | 1,500 | | | | |

R: Load radius in feet
W: Rated lifting capacity in pounds

B

GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 35,000lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | |
|--|-----------------|---------|----------------|---------|---------------|--------|-------------|--------|----------------|--------|-----------------|--------|------------------|--------|
| A B | 37.7 (11.5m) | | 51 (15.56m) | | 64.4 (19.62m) | | 91 (27.75m) | | 117.7 (35.87m) | | 131 (39.93m) | | 144.4 (44.0m) | |
| | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 10' | 68 | 160,000 | 74 | 103,600 | 78 | 88,100 | 78 | 44,000 | | | | | | |
| 12' | 65 | 140,000 | 72 | 103,600 | 76 | 88,100 | 76 | 44,000 | | | | | | |
| 15' | 60 | 119,600 | 68 | 103,600 | 73 | 88,100 | 73 | 44,000 | 79 | 44,000 | 79 | 30,800 | | |
| 20' | 50 | 88,200 | 62 | 87,400 | 69 | 71,900 | 69 | 44,000 | 76 | 44,000 | 76 | 30,800 | 80 | 30,800 |
| 25' | 38 | 69,100 | 55 | 68,300 | 64 | 61,300 | 64 | 44,000 | 73 | 44,000 | 73 | 30,800 | 77 | 30,800 |
| 30' | 21 | 45,900 | 48 | 55,300 | 58 | 53,400 | 58 | 44,000 | 69 | 41,300 | 69 | 29,500 | 75 | 30,800 |
| 35' | | | 39 | 45,400 | 53 | 44,900 | 53 | 42,100 | 66 | 35,900 | 66 | 25,600 | 72 | 30,800 |
| 40' | | | 28 | 36,500 | 47 | 35,700 | 47 | 38,100 | 62 | 31,800 | 62 | 22,600 | 70 | 27,400 |
| 45' | | | | | 40 | 28,800 | 40 | 34,100 | 59 | 28,300 | 59 | 20,100 | 67 | 24,200 |
| 50' | | | | | 32 | 23,700 | 32 | 28,800 | 55 | 25,500 | 55 | 18,100 | 64 | 21,600 |
| 60' | | | | | | | | | 46 | 19,300 | 46 | 14,900 | 59 | 17,400 |
| 70' | | | | | | | | | 36 | 14,300 | 36 | 12,600 | 52 | 14,400 |
| 80' | | | | | | | | | 22 | 10,800 | 22 | 10,900 | 46 | 12,100 |
| 90' | | | | | | | | | | | | | 38 | 9,400 |
| 100' | | | | | | | | | | | | | 28 | 7,400 |
| 110' | | | | | | | | | | | | | 13 | 5,800 |
| 120' | | | | | | | | | | | | | 13 | 6,100 |
| 130' | | | | | | | | | | | | | 19 | 5,500 |
| D | | | | | | | | | | | | | | 23 |
| | | | | | | | | | | | | | | 3,900 |
| Telescoping conditions (%) | | | | | | | | | | | | | | |
| Telescoping mode | I, II | I | I | II | I | II | I | II | I | II | II | I, II | | |
| 2nd boom | 0 | 50 | 100 | 0 | 100 | 0 | 100 | 0 | 100 | 0 | 50 | 100 | | |
| 3rd boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | | |
| 4th boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | | |
| Top boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | | |

A: Boom length in feet
 B: Load radius in feet
 C: Loaded boom angle (°)
 D: Minimum boom angle (°) for indicated length (no load)

| LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 35,000lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | | | | | | | |
|---|-----------------|--------|----------------|--------|------------------|--------|------------------|--------|----------------|-------|----------------|-------|-------------------|-------|-------------------|-------|-----------------|-------|------------------|-------|
| A E | 37.7 (11.5m) | | 51 (15.56m) | | 64.4 (19.62m) | | 64.4 (19.62m) | | 91 (27.75m) | | 91 (27.75m) | | 117.7 (35.87m) | | 117.7 (35.87m) | | 131 (39.93m) | | 144.4 (44.0m) | |
| | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B |
| 0 | 31.7 | 30,200 | 45.0 | 17,600 | 58.3 | 10,100 | 58.3 | 15,700 | 85.0 | 7,500 | 85.0 | 7,900 | 111 | 5,300 | 111 | 5,700 | 125 | 4,200 | 138 | 1,100 |
| Telescoping mode | I, II | I | I | II | I | II | I | II | I | II | I | II | I | II | II | I, II | | | | |

A: Boom length in feet
 B: Load radius in feet
 E: Boom angle (°)

NOTE: • The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-L) is based on the standard number of parts of line listed in the following table:
 • Standard number of parts of line for each boom length shall be according to the following table:

| Boom Length in Feet (meters) | 37.7' (11.5) | 37.7' to 51' (11.5 to 15.56) | 51' to 64.4' (15.56 to 19.62) | 64.4' to 91' (19.62 to 27.75) | 91' to 144.4' (27.75 to 44.0) | Single top Jib |
|------------------------------|--------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------|
| Number of parts of line | 16 | 12 | 10 | 5 | 4 | 1 |

JB GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 35,000lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | |
|--|--|-------|----------|-------|----------|-------|----------------------|---|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 144.4' (44.0m) Boom + 32.5' (9.9m) Jib | | | | | | Boom Angle in Degree | 144.4' (44.0m) Boom + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | | | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W | | R | W | R | W | R | W |
| 80° | 32.1 | 9,900 | 44.2 | 8,800 | 51.9 | 8,100 | 80° | 39.9 | 5,900 | 64.3 | 5,400 | 73.8 | 3,400 |
| 75° | 50.0 | 9,900 | 60.6 | 8,700 | 66.4 | 7,300 | 75° | 59.6 | 5,900 | 82.2 | 4,800 | 89.9 | 3,400 |
| 70° | 66.1 | 9,700 | 75.0 | 7,600 | 79.9 | 6,600 | 70° | 78.3 | 5,900 | 98.4 | 4,200 | 105.0 | 3,400 |
| 65° | 80.2 | 7,900 | 88.8 | 6,600 | 92.4 | 6,000 | 65° | 94.7 | 4,900 | 113.0 | 3,700 | 118.0 | 3,100 |
| 60° | 93.4 | 6,400 | 101.0 | 5,800 | 105.0 | 5,500 | 60° | 109.0 | 4,200 | 127.0 | 3,300 | 130.0 | 2,900 |
| 55° | 106.0 | 5,100 | 113.0 | 4,700 | 116.0 | 4,700 | 55° | 121.0 | 3,400 | 140.0 | 3,000 | 141.0 | 2,700 |
| 50° | 117.0 | 4,100 | 123.0 | 3,900 | 126.0 | 3,900 | 50° | 136.0 | 2,700 | 152.0 | 2,600 | 151.0 | 2,500 |
| 45° | 127.0 | 3,400 | 133.0 | 3,200 | 135.0 | 3,300 | 45° | 148.0 | 2,100 | 161.0 | 2,000 | 161.0 | 2,000 |
| 40° | 137.0 | 2,800 | 142.0 | 2,700 | | | 40° | 159.0 | 1,600 | 171.0 | 1,600 | | |
| 35° | 145.0 | 2,300 | 149.0 | 2,300 | | | 35° | 169.0 | 1,200 | 179.0 | 1,200 | | |
| 30° | 152.0 | 2,000 | 156.0 | 1,900 | | | | | | | | | |
| 25° | 159.0 | 1,700 | 162.0 | 1,700 | | | | | | | | | |
| 20° | 164.0 | 1,500 | | | | | | | | | | | |
| 15° | 168.0 | 1,300 | | | | | | | | | | | |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 35,000lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | |
|--|---|--------|----------|--------|----------|-------|----------------------|--|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode I) + 32.5' (9.9m) Jib | | | | | | Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode I) + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | | | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W | | R | W | R | W | R | W |
| 80° | 25.6 | 12,300 | 36.7 | 10,300 | 44.2 | 8,300 | 80° | 32.9 | 7,900 | 54.8 | 5,700 | 66.7 | 3,700 |
| 75° | 39.7 | 12,300 | 50.6 | 10,000 | 56.5 | 8,000 | 75° | 49.5 | 7,900 | 69.8 | 5,200 | 80.1 | 3,700 |
| 70° | 53.3 | 12,300 | 62.8 | 8,800 | 67.6 | 7,400 | 70° | 64.9 | 7,100 | 83.8 | 4,700 | 92.1 | 3,600 |
| 65° | 65.3 | 10,500 | 74.1 | 7,900 | 77.9 | 6,800 | 65° | 79.0 | 6,000 | 96.6 | 4,200 | 103.0 | 3,500 |
| 60° | 76.8 | 9,100 | 84.7 | 7,100 | 88.0 | 6,400 | 60° | 92.6 | 5,100 | 109.0 | 3,800 | 113.0 | 3,300 |
| 55° | 87.5 | 8,000 | 94.7 | 6,500 | 97.6 | 6,000 | 55° | 105.0 | 4,500 | 119.0 | 3,500 | 123.0 | 3,100 |
| 50° | 97.2 | 7,100 | 104.0 | 6,000 | 106.0 | 5,700 | 50° | 117.0 | 4,000 | 129.0 | 3,200 | 131.0 | 3,000 |
| 45° | 106.0 | 6,100 | 112.0 | 5,700 | 114.0 | 5,500 | 45° | 127.0 | 3,600 | 138.0 | 3,000 | 139.0 | 2,900 |
| 40° | 114.0 | 5,300 | 120.0 | 5,100 | | | 40° | 137.0 | 3,300 | 146.0 | 2,900 | | |
| 35° | 122.0 | 4,700 | 126.0 | 4,600 | | | 35° | 145.0 | 3,100 | 153.0 | 2,800 | | |
| 30° | 128.0 | 4,300 | 132.0 | 4,200 | | | 30° | 152.0 | 2,800 | 159.0 | 2,700 | | |
| 25° | 134.0 | 3,900 | 137.0 | 3,800 | | | 25° | 159.0 | 2,500 | 163.0 | 2,400 | | |
| 20° | 138.0 | 3,400 | | | | | 20° | 164.0 | 2,200 | | | | |
| 15° | 142.0 | 3,200 | | | | | 15° | 167.0 | 2,100 | | | | |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 35,000lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | |
|--|--|--------|----------|--------|----------|-------|----------------------|---|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode II) + 32.5' (9.9m) Jib | | | | | | Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode II) + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | | | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W | | R | W | R | W | R | W |
| 80° | 25.3 | 11,000 | 38.2 | 10,300 | 45.6 | 8,300 | 80° | 33.5 | 6,300 | 55.9 | 5,700 | 66.9 | 3,700 |
| 75° | 40.5 | 11,000 | 51.5 | 9,300 | 57.6 | 7,700 | 75° | 50.7 | 6,300 | 71.1 | 5,100 | 80.6 | 3,700 |
| 70° | 54.2 | 10,600 | 63.5 | 8,000 | 68.7 | 6,900 | 70° | 66.3 | 6,300 | 84.6 | 4,400 | 92.6 | 3,600 |
| 65° | 65.8 | 8,600 | 74.9 | 7,000 | 79.2 | 6,200 | 65° | 80.4 | 5,300 | 97.3 | 3,900 | 103.0 | 3,300 |
| 60° | 77.0 | 7,100 | 85.5 | 6,200 | 89.2 | 5,700 | 60° | 93.6 | 4,500 | 109.0 | 3,500 | 114.0 | 3,000 |
| 55° | 87.5 | 5,900 | 95.4 | 5,300 | 98.5 | 5,200 | 55° | 106.0 | 3,900 | 120.0 | 3,100 | 123.0 | 2,800 |
| 50° | 97.4 | 5,000 | 104.0 | 4,600 | 107.0 | 4,500 | 50° | 117.0 | 3,300 | 130.0 | 2,800 | 132.0 | 2,700 |
| 45° | 106.0 | 4,300 | 113.0 | 4,100 | 114.0 | 4,000 | 45° | 127.0 | 2,800 | 139.0 | 2,600 | 140.0 | 2,500 |
| 40° | 115.0 | 3,800 | 120.0 | 3,600 | | | 40° | 137.0 | 2,400 | 146.0 | 2,300 | | |
| 35° | 122.0 | 3,400 | 127.0 | 3,300 | | | 35° | 145.0 | 2,100 | 153.0 | 2,000 | | |
| 30° | 128.0 | 3,100 | 132.0 | 3,000 | | | 30° | 152.0 | 1,900 | 159.0 | 1,800 | | |
| 25° | 134.0 | 2,800 | 137.0 | 2,800 | | | 25° | 159.0 | 1,700 | 163.0 | 1,700 | | |
| 20° | 138.0 | 2,700 | | | | | 20° | 164.0 | 1,500 | | | | |
| 15° | 142.0 | 2,500 | | | | | 15° | 168.0 | 1,500 | | | | |

R: Load radius in feet
W: Rated lifting capacity in pounds

C

GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 16,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | | |
|--|-------|---------|----|----------|---------------|--------|-------------|--------|----------------|--------|--------|----------|--------|---------|--------|
| A B | 37.7 | | 51 | | 64.4 (19.62m) | | 91 (27.75m) | | 117.7 (35.87m) | | 131 | | 144.4 | | |
| | C | (11.5m) | C | (15.56m) | C | | C | | C | | C | (39.93m) | C | (44.0m) | |
| 10' | 68 | 160,000 | 74 | 103,600 | 78 | 88,100 | 78 | 44,000 | | | | | | | |
| 12' | 65 | 137,400 | 72 | 103,600 | 76 | 88,100 | 76 | 44,000 | | | | | | | |
| 15' | 60 | 109,500 | 68 | 103,600 | 73 | 88,100 | 73 | 44,000 | 79 | 44,000 | 79 | 30,800 | | | |
| 20' | 50 | 80,500 | 62 | 79,800 | 69 | 71,900 | 69 | 44,000 | 76 | 44,000 | 76 | 30,800 | 80 | 30,800 | |
| 25' | 38 | 62,500 | 55 | 61,600 | 64 | 60,900 | 64 | 44,000 | 73 | 44,000 | 73 | 30,800 | 77 | 30,800 | |
| 30' | 21 | 45,400 | 48 | 44,200 | 58 | 43,200 | 58 | 44,000 | 69 | 41,300 | 69 | 29,500 | 75 | 30,800 | |
| 35' | | | 39 | 33,100 | 53 | 32,300 | 53 | 38,100 | 66 | 35,600 | 66 | 25,600 | 72 | 30,800 | |
| 40' | | | 28 | 25,700 | 47 | 24,900 | 47 | 30,400 | 62 | 28,100 | 62 | 22,600 | 70 | 27,400 | |
| 45' | | | | | 40 | 19,600 | 40 | 24,900 | 59 | 22,700 | 59 | 20,100 | 67 | 24,100 | |
| 50' | | | | | 32 | 15,600 | 32 | 20,700 | 55 | 18,600 | 55 | 18,100 | 64 | 20,000 | |
| 60' | | | | | | | | 46 | 12,800 | 46 | 14,900 | 59 | 14,200 | 59 | 13,200 |
| 70' | | | | | | | | 36 | 8,800 | 36 | 12,200 | 52 | 10,200 | 52 | 10,900 |
| 80' | | | | | | | | 22 | 6,000 | 22 | 9,400 | 46 | 7,300 | 46 | 9,200 |
| 90' | | | | | | | | | | | | 38 | 5,200 | 38 | 7,700 |
| 100' | | | | | | | | | | | | 28 | 3,500 | 28 | 6,000 |
| 110' | | | | | | | | | | | | 13 | 2,300 | 13 | 4,700 |
| 120' | | | | | | | | | | | | 19 | 2,700 | 19 | 2,700 |
| D | 0° | | | | | | | | | | | | 20° | | |
| Telescoping conditions (%) | | | | | | | | | | | | | | | |
| Telescoping mode | I, II | | I | | I | | II | | I | | II | | I, II | | |
| 2nd boom | 0 | | 50 | | 100 | | 0 | | 100 | | 0 | | 100 | | |
| 3rd boom | 0 | | 0 | | 0 | | 33 | | 33 | | 66 | | 66 | | |
| 4th boom | 0 | | 0 | | 0 | | 33 | | 33 | | 66 | | 66 | | |
| Top boom | 0 | | 0 | | 0 | | 33 | | 33 | | 66 | | 66 | | |

- A: Boom length in feet
- B: Load radius in feet
- C: Loaded boom angle (°)
- D: Minimum boom angle (°) for indicated length (no load)

| LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 16,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | | | | | |
|---|-------|---------|------|----------|------|----------|------|----------|------|----------|------|----------|-------|----------|-------|----------|-----|----------|
| A E | 37.7 | | 51 | | 64.4 | | 64.4 | | 91 | | 91 | | 117.7 | | 117.7 | | 131 | |
| | B | (11.5m) | B | (15.56m) | B | (19.62m) | B | (19.62m) | B | (27.75m) | B | (27.75m) | B | (35.87m) | B | (35.87m) | B | (39.93m) |
| 0 | 31.7 | 30,200 | 45.0 | 17,400 | 58.3 | 10,100 | 58.3 | 14,300 | 85.0 | 4,900 | 85.0 | 7,900 | 111 | 2,200 | 111 | 4,600 | 125 | 2,400 |
| Telescoping mode | I, II | | I | | I | | II | | I | | II | | I | | II | | II | |

- A: Boom length in feet
- B: Load radius in feet
- E: Boom angle (°)

- NOTE:
- The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-L) is based on the standard number of parts of line listed in the following table:
 - Standard number of parts of line for each boom length shall be according to the following table:

| Boom Length in Feet (meters) | 37.7' (11.5) | 37.7' to 51' (11.5 to 15.56) | 51' to 64.4' (15.56 to 19.62) | 64.4' to 91' (19.62 to 27.75) | 91' to 144.4' (27.75 to 44.0) | Single top Jib |
|------------------------------|--------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------|
| Number of parts of line | 16 | 12 | 10 | 5 | 4 | 1 |



GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 16,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|--|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 144.4' (44.0m) Boom + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 32.1 | 9,900 | 44.2 | 8,800 | 51.9 | 8,100 |
| 75° | 50.0 | 9,900 | 60.6 | 8,700 | 66.4 | 7,300 |
| 70° | 66.1 | 9,700 | 75.0 | 7,600 | 79.9 | 6,600 |
| 65° | 80.2 | 7,900 | 88.8 | 6,600 | 92.4 | 6,000 |
| 60° | 92.9 | 5,800 | 101.0 | 5,300 | 104.0 | 5,300 |
| 55° | 105.0 | 4,000 | 112.0 | 3,700 | 115.0 | 3,700 |
| 50° | 116.0 | 2,600 | 122.0 | 2,500 | 124.0 | 2,500 |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 16,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|---|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 144.4' (44.0m) Boom + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 39.9 | 5,900 | 64.3 | 5,400 | 73.8 | 3,400 |
| 75° | 59.6 | 5,900 | 82.2 | 4,800 | 89.9 | 3,400 |
| 70° | 78.3 | 5,900 | 98.4 | 4,200 | 105.0 | 3,400 |
| 65° | 94.7 | 4,900 | 113.0 | 3,700 | 118.0 | 3,100 |
| 60° | 109.0 | 3,800 | 127.0 | 3,300 | 130.0 | 2,900 |
| 55° | 122.0 | 2,400 | 139.0 | 2,300 | 141.0 | 2,200 |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 16,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|---|--------|----------|--------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode I) + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 25.6 | 12,300 | 36.7 | 10,300 | 44.2 | 8,300 |
| 75° | 39.7 | 12,300 | 50.6 | 10,000 | 56.5 | 8,000 |
| 70° | 53.3 | 12,300 | 62.8 | 8,800 | 67.6 | 7,400 |
| 65° | 65.3 | 10,500 | 74.1 | 7,900 | 77.9 | 6,800 |
| 60° | 76.8 | 9,100 | 84.7 | 7,100 | 88.0 | 6,400 |
| 55° | 85.0 | 6,800 | 94.6 | 6,300 | 97.5 | 6,000 |
| 50° | 96.6 | 5,100 | 103.0 | 4,700 | 106.0 | 4,700 |
| 45° | 105.0 | 3,800 | 112.0 | 3,600 | 113.0 | 3,600 |
| 40° | 114.0 | 2,800 | 119.0 | 2,700 | | |
| 35° | 121.0 | 2,000 | 125.0 | 2,000 | | |
| 30° | 127.0 | 1,500 | 131.0 | 1,400 | | |
| 25° | 133.0 | 1,000 | 136.0 | 1,000 | | |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 16,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|--|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode I) + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 32.9 | 7,900 | 54.8 | 5,700 | 66.7 | 3,700 |
| 75° | 49.5 | 7,900 | 69.8 | 5,200 | 80.1 | 3,700 |
| 70° | 64.9 | 7,100 | 83.8 | 4,700 | 92.1 | 3,600 |
| 65° | 79.0 | 6,000 | 96.6 | 4,200 | 103.0 | 3,500 |
| 60° | 92.6 | 5,100 | 109.0 | 3,800 | 113.0 | 3,300 |
| 55° | 105.0 | 4,500 | 119.0 | 3,500 | 123.0 | 3,100 |
| 50° | 116.0 | 3,300 | 129.0 | 3,100 | 131.0 | 3,000 |
| 45° | 126.0 | 2,300 | 138.0 | 2,200 | 139.0 | 2,100 |
| 40° | 135.0 | 1,600 | 145.0 | 1,500 | | |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 16,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|--|--------|----------|--------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode II) + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 25.3 | 11,000 | 38.2 | 10,300 | 45.6 | 8,300 |
| 75° | 40.5 | 11,000 | 51.5 | 9,300 | 57.6 | 7,700 |
| 70° | 54.2 | 10,600 | 63.5 | 8,000 | 68.7 | 6,900 |
| 65° | 65.8 | 8,600 | 74.9 | 7,000 | 79.2 | 6,200 |
| 60° | 77.0 | 7,100 | 85.5 | 6,200 | 89.2 | 5,700 |
| 55° | 87.5 | 5,900 | 95.4 | 5,300 | 98.5 | 5,200 |
| 50° | 97.4 | 5,000 | 104.0 | 4,600 | 107.0 | 4,500 |
| 45° | 106.0 | 4,300 | 113.0 | 4,100 | 114.0 | 4,000 |
| 40° | 115.0 | 3,800 | 120.0 | 3,600 | | |
| 35° | 122.0 | 3,400 | 127.0 | 3,300 | | |
| 30° | 128.0 | 3,100 | 132.0 | 3,000 | | |
| 25° | 134.0 | 2,800 | 137.0 | 2,800 | | |
| 20° | 138.0 | 2,500 | | | | |
| 15° | 142.0 | 2,300 | | | | |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 16,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|---|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode II) + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 33.5 | 6,300 | 55.9 | 5,700 | 66.9 | 3,700 |
| 75° | 50.7 | 6,300 | 71.1 | 5,100 | 80.6 | 3,700 |
| 70° | 66.3 | 6,300 | 84.6 | 4,400 | 92.6 | 3,600 |
| 65° | 80.4 | 5,300 | 97.3 | 3,900 | 103.0 | 3,300 |
| 60° | 93.6 | 4,500 | 109.0 | 3,500 | 114.0 | 3,000 |
| 55° | 106.0 | 3,900 | 120.0 | 3,100 | 123.0 | 2,800 |
| 50° | 117.0 | 3,300 | 130.0 | 2,800 | 132.0 | 2,700 |
| 45° | 127.0 | 2,800 | 139.0 | 2,600 | 140.0 | 2,500 |
| 40° | 137.0 | 2,400 | 146.0 | 2,300 | | |
| 35° | 145.0 | 2,100 | 153.0 | 2,000 | | |
| 30° | 152.0 | 1,900 | 159.0 | 1,800 | | |
| 25° | 159.0 | 1,700 | 163.0 | 1,700 | | |
| 20° | 164.0 | 1,500 | | | | |
| 15° | 167.0 | 1,300 | | | | |

R: Load radius in feet
W: Rated lifting capacity in pounds

D

GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 11,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | |
|--|-----------------|---------|----------------|---------|---------------|--------|-------------|--------|-----|----------------|-----|-----------------|------------------|
| A B | 37.7 (11.5m) | | 51 (15.56m) | | 64.4 (19.62m) | | 91 (27.75m) | | | 117.7 (35.87m) | | 131 (39.93m) | 144.4 (44.0m) |
| | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 10' | 68 | 160,000 | 74 | 103,600 | 78 | 88,100 | 78 | 44,000 | | | | | |
| 12' | 65 | 134,100 | 72 | 103,600 | 76 | 88,100 | 76 | 44,000 | | | | | |
| 15' | 60 | 106,800 | 68 | 103,600 | 73 | 88,100 | 73 | 44,000 | 79 | 44,000 | 79 | 30,800 | |
| 20' | 50 | 78,500 | 62 | 77,700 | 69 | 71,900 | 69 | 44,000 | 76 | 44,000 | 76 | 30,800 | 80 |
| 25' | 38 | 57,800 | 55 | 56,400 | 64 | 55,100 | 64 | 44,000 | 73 | 44,000 | 73 | 30,800 | 77 |
| 30' | 21 | 41,100 | 48 | 39,800 | 58 | 38,800 | 58 | 44,000 | 69 | 41,300 | 69 | 29,500 | 75 |
| 35' | | | 39 | 29,600 | 53 | 28,800 | 53 | 34,600 | 66 | 32,100 | 66 | 25,600 | 72 |
| 40' | | | 28 | 22,800 | 47 | 22,000 | 47 | 27,500 | 62 | 25,100 | 62 | 22,600 | 70 |
| 45' | | | | | 40 | 17,100 | 40 | 22,300 | 59 | 20,100 | 59 | 20,100 | 67 |
| 50' | | | | | 32 | 13,300 | 32 | 18,500 | 55 | 16,400 | 55 | 18,100 | 64 |
| 60' | | | | | | | | | 46 | 10,800 | 46 | 14,400 | 59 |
| 70' | | | | | | | | | 36 | 7,100 | 36 | 10,500 | 52 |
| 80' | | | | | | | | | 22 | 4,500 | 22 | 7,900 | 46 |
| 90' | | | | | | | | | | | | 38 | 3,900 |
| 100' | | | | | | | | | | | | 28 | 2,400 |
| 110' | | | | | | | | | | | | 13 | 1,200 |
| 120' | | | | | | | | | | | | 19 | 1,700 |
| D | 0° | | | | | | | | | | | 17° | 36° |
| Telescoping conditions (%) | | | | | | | | | | | | | |
| Telescoping mode | I, II | I | I | I | II | I | II | I | II | I | II | II | I, II |
| 2nd boom | 0 | 50 | 100 | 0 | 100 | 0 | 100 | 0 | 100 | 0 | 50 | 100 | 100 |
| 3rd boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | 100 |
| 4th boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | 100 |
| Top boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | 100 |

- A: Boom length in feet
- B: Load radius in feet
- C: Loaded boom angle (°)
- D: Minimum boom angle (°) for indicated length (no load)

| LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 11,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | | | |
|---|-----------------|--------|----------------|--------|------------------|-------|------------------|--------|----------------|-------|----------------|-------|-------------------|-------|-------------------|-------|
| A E | 37.7 (11.5m) | | 51 (15.56m) | | 64.4 (19.62m) | | 64.4 (19.62m) | | 91 (27.75m) | | 91 (27.75m) | | 117.7 (35.87m) | | 117.7 (35.87m) | |
| | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B |
| 0 | 31.7 | 30,200 | 45.0 | 17,400 | 58.3 | 7,100 | 58.3 | 11,900 | 85.0 | 3,300 | 85.0 | 6,800 | 111 | 1,100 | 111 | 3,500 |
| Telescoping mode | I, II | | I | | I | | II | | I | | II | | I | | II | |

- A: Boom length in feet
- B: Load radius in feet
- E: Boom angle (°)

- NOTE:
- The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-L) is based on the standard number of parts of line listed in the following table:
 - Standard number of parts of line for each boom length shall be according to the following table:

| Boom Length in Feet (meters) | 37.7' (11.5) | 37.7' to 51' (11.5 to 15.56) | 51' to 64.4' (15.56 to 19.62) | 64.4' to 91' (19.62 to 27.75) | 91' to 144.4' (27.75 to 44.0) | Single top Jib |
|------------------------------|--------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------|
| Number of parts of line | 16 | 12 | 10 | 5 | 4 | 1 |

JD GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 11,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|--|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 144.4' (44.0m) Boom + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 32.1 | 9,900 | 44.2 | 8,800 | 51.9 | 8,100 |
| 75° | 50.0 | 9,900 | 60.6 | 8,700 | 66.4 | 7,300 |
| 70° | 66.1 | 9,700 | 75.0 | 7,600 | 79.9 | 6,600 |
| 65° | 79.4 | 7,000 | 88.6 | 6,300 | 92.4 | 6,000 |
| 60° | 91.6 | 4,600 | 99.8 | 4,200 | 104.0 | 4,200 |
| 55° | 103.0 | 2,900 | 111.0 | 2,700 | 114.0 | 2,700 |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 11,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|---|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 144.4' (44.0m) Boom + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 39.9 | 5,900 | 64.3 | 5,400 | 73.8 | 3,400 |
| 75° | 59.6 | 5,900 | 82.2 | 4,800 | 89.9 | 3,400 |
| 70° | 78.3 | 5,900 | 98.4 | 4,200 | 105.0 | 3,400 |
| 65° | 93.8 | 4,600 | 113.0 | 3,700 | 118.0 | 3,100 |
| 60° | 107.0 | 2,800 | 126.0 | 2,700 | 130.0 | 2,500 |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 11,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|---|--------|----------|--------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode I) + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 25.6 | 12,300 | 36.7 | 10,300 | 44.2 | 8,300 |
| 75° | 39.7 | 12,300 | 50.6 | 10,000 | 56.5 | 8,000 |
| 70° | 53.3 | 12,300 | 62.8 | 8,800 | 67.6 | 7,400 |
| 65° | 65.5 | 10,500 | 74.1 | 7,900 | 77.9 | 6,800 |
| 60° | 76.4 | 7,800 | 84.5 | 6,900 | 88.0 | 6,400 |
| 55° | 86.4 | 5,500 | 94.0 | 5,000 | 97.2 | 5,000 |
| 50° | 96.2 | 3,900 | 103.0 | 3,600 | 105.0 | 3,600 |
| 45° | 105.0 | 2,700 | 111.0 | 2,500 | 113.0 | 2,600 |
| 40° | 113.0 | 1,800 | 119.0 | 1,700 | | |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 11,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|--|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode I) + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 32.9 | 7,900 | 54.8 | 5,700 | 66.7 | 3,700 |
| 75° | 49.5 | 7,900 | 69.8 | 5,200 | 80.1 | 3,700 |
| 70° | 64.9 | 7,100 | 83.8 | 4,700 | 92.1 | 3,600 |
| 65° | 79.0 | 6,000 | 96.6 | 4,200 | 103.0 | 3,500 |
| 60° | 92.6 | 5,100 | 109.0 | 3,800 | 113.0 | 3,300 |
| 55° | 104.0 | 3,600 | 119.0 | 3,200 | 123.0 | 3,100 |
| 50° | 116.0 | 2,300 | 129.0 | 2,200 | 131.0 | 2,100 |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 11,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|--|--------|----------|--------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode II) + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 25.3 | 11,000 | 38.2 | 10,300 | 45.6 | 8,300 |
| 75° | 40.5 | 11,000 | 51.5 | 9,300 | 57.6 | 7,700 |
| 70° | 54.2 | 10,600 | 63.5 | 8,000 | 68.7 | 6,900 |
| 65° | 65.8 | 8,600 | 74.9 | 7,000 | 79.2 | 6,200 |
| 60° | 77.0 | 7,100 | 85.5 | 6,200 | 89.2 | 5,700 |
| 55° | 87.5 | 5,900 | 95.4 | 5,300 | 98.5 | 5,200 |
| 50° | 97.4 | 5,000 | 104.0 | 4,600 | 107.0 | 4,500 |
| 45° | 106.0 | 4,300 | 113.0 | 4,100 | 114.0 | 4,000 |
| 40° | 114.0 | 3,600 | 120.0 | 3,400 | | |
| 35° | 122.0 | 2,900 | 126.0 | 2,800 | | |
| 30° | 128.0 | 2,400 | 132.0 | 2,300 | | |
| 25° | 134.0 | 2,000 | 137.0 | 2,000 | | |
| 20° | 138.0 | 1,700 | | | | |
| 15° | 142.0 | 1,500 | | | | |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 11,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|---|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode II) + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 33.5 | 6,300 | 55.9 | 5,700 | 66.9 | 3,700 |
| 75° | 50.7 | 6,300 | 71.1 | 5,100 | 80.6 | 3,700 |
| 70° | 66.3 | 6,300 | 84.6 | 4,400 | 92.6 | 3,600 |
| 65° | 80.4 | 5,300 | 97.3 | 3,900 | 103.0 | 3,300 |
| 60° | 93.6 | 4,500 | 109.0 | 3,500 | 114.0 | 3,000 |
| 55° | 106.0 | 3,900 | 120.0 | 3,100 | 123.0 | 2,800 |
| 50° | 117.0 | 3,300 | 130.0 | 2,800 | 132.0 | 2,700 |
| 45° | 127.0 | 2,800 | 138.0 | 2,600 | 139.0 | 2,500 |
| 40° | 137.0 | 2,300 | 146.0 | 2,100 | | |
| 35° | 145.0 | 1,700 | 152.0 | 1,700 | | |
| 30° | 152.0 | 1,300 | 158.0 | 1,300 | | |
| 25° | 158.0 | 1,000 | 163.0 | 1,000 | | |

R: Load radius in feet
W: Rated lifting capacity in pounds

E

GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 0lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | | | | | |
|---|-----------------|---------|----------------|---------|---------------|--------|-------------|--------|----------------|--------|-----------------|--------|------------------|--------|--------|--|-----|--|
| A B | 37.7 (11.5m) | | 51 (15.56m) | | 64.4 (19.62m) | | 91 (27.75m) | | 117.7 (35.87m) | | 131 (39.93m) | | 144.4 (44.0m) | | | | | |
| | C | C | C | C | C | C | C | C | C | C | C | C | C | C | | | | |
| 10' | 68 | 152,100 | 74 | 103,600 | 78 | 88,100 | 78 | 44,000 | | | | | | | | | | |
| 12' | 65 | 126,800 | 72 | 103,600 | 76 | 88,100 | 76 | 44,000 | | | | | | | | | | |
| 15' | 60 | 100,900 | 68 | 100,100 | 73 | 88,100 | 73 | 44,000 | 79 | 44,000 | 79 | 30,800 | | | | | | |
| 20' | 50 | 71,900 | 62 | 69,800 | 69 | 68,300 | 69 | 44,000 | 76 | 44,000 | 76 | 30,800 | 80 | 30,800 | | | | |
| 25' | 38 | 45,400 | 55 | 44,000 | 64 | 42,800 | 64 | 44,000 | 73 | 44,000 | 73 | 30,800 | 77 | 30,800 | | | | |
| 30' | 21 | 31,600 | 48 | 30,400 | 58 | 29,400 | 58 | 35,700 | 69 | 32,900 | 69 | 29,500 | 75 | 30,800 | | | | |
| 35' | | | 39 | 21,700 | 53 | 20,800 | 53 | 27,000 | 66 | 24,300 | 66 | 25,600 | 72 | 26,000 | | | | |
| 40' | | | 28 | 15,600 | 47 | 14,800 | 47 | 20,800 | 62 | 18,100 | 62 | 22,300 | 70 | 19,800 | | | | |
| 45' | | | | | 40 | 10,600 | 40 | 16,300 | 59 | 13,800 | 59 | 17,800 | 67 | 15,300 | | | | |
| 50' | | | | | 32 | 7,500 | 32 | 12,900 | 55 | 10,600 | 55 | 14,400 | 64 | 12,100 | | | | |
| 60' | | | | | | | | 46 | 6,200 | 46 | 9,800 | 59 | 7,600 | 59 | 10,400 | | | |
| 70' | | | | | | | | 36 | 3,300 | 36 | 6,700 | 52 | 4,700 | 52 | 7,300 | | | |
| 80' | | | | | | | | | 22 | 4,600 | 46 | 2,600 | 46 | 5,200 | | | | |
| 90' | | | | | | | | | | | | 38 | 3,600 | 46 | 2,600 | | | |
| 100' | | | | | | | | | | | | 28 | 2,300 | | | | | |
| 110' | | | | | | | | | | | | 13 | 1,400 | | | | | |
| D | 0° | | | | | | | | | | 34° | | 10° | | 43° | | 48° | |
| Telescoping conditions (%) | | | | | | | | | | | | | | | | | | |
| Telescoping mode | I, II | I | I | I | II | I | II | I | II | I | II | II | I, II | I, II | | | | |
| 2nd boom | 0 | 50 | 100 | 0 | 100 | 0 | 100 | 0 | 100 | 0 | 100 | 0 | 50 | 100 | | | | |
| 3rd boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | | | | |
| 4th boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | | | | |
| Top boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | | | | |

A: Boom length in feet
 B: Load radius in feet
 C: Loaded boom angle (°)
 D: Minimum boom angle (°) for indicated length (no load)

| LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 0lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | |
|--|-----------------|--------|----------------|--------|------------------|-------|------------------|-------|----------------|-------|----------------|-------|--|--|
| A E | 37.7 (11.5m) | | 51 (15.56m) | | 64.4 (19.62m) | | 64.4 (19.62m) | | 91 (27.75m) | | 91 (27.75m) | | | |
| | B | B | B | B | B | B | B | B | B | B | B | B | | |
| 0 | 31.7 | 29,100 | 45.0 | 12,100 | 58.3 | 4,600 | 58.3 | 9,300 | 85.0 | 1,100 | 85.0 | 4,000 | | |
| Telescoping mode | I, II | | I | | I | | II | | I | | II | | | |

A: Boom length in feet
 B: Load radius in feet
 E: Boom angle (°)

NOTE: • The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-L) is based on the standard number of parts of line listed in the following table:

• Standard number of parts of line for each boom length shall be according to the following table:

| Boom Length in Feet (meters) | 37.7' (11.5) | 37.7' to 51' (11.5 to 15.56) | 51' to 64.4' (15.56 to 19.62) | 64.4' to 91' (19.62 to 27.75) | 91' to 144.4' (27.75 to 44.0) | Single top Jib |
|------------------------------|--------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------|
| Number of parts of line | 16 | 12 | 10 | 5 | 4 | 1 |

JE GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 0lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|---|--|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 144.4' (44.0m) Boom + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 32.1 | 9,900 | 44.2 | 8,800 | 51.9 | 8,100 |
| 75° | 50.0 | 9,900 | 60.6 | 8,700 | 66.4 | 7,300 |
| 70° | 63.8 | 6,800 | 73.7 | 5,900 | 79.1 | 5,700 |
| 65° | 76.7 | 3,800 | 85.7 | 3,400 | 90.5 | 3,400 |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 0lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|---|---|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 144.4' (44.0m) Boom + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 39.9 | 5,900 | 64.3 | 5,400 | 73.8 | 3,400 |
| 75° | 59.6 | 5,900 | 82.2 | 4,800 | 89.9 | 3,400 |
| 70° | 76.4 | 4,300 | 97.5 | 3,800 | 105.0 | 3,400 |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 0lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|---|---|--------|----------|--------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode I) + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 25.6 | 12,300 | 36.7 | 10,300 | 44.2 | 8,300 |
| 75° | 39.7 | 12,300 | 50.6 | 10,000 | 56.5 | 8,000 |
| 70° | 53.0 | 11,300 | 62.8 | 8,800 | 67.6 | 7,400 |
| 65° | 64.4 | 7,100 | 73.4 | 6,200 | 77.5 | 5,900 |
| 60° | 75.0 | 4,400 | 83.5 | 4,000 | 87.0 | 3,900 |
| 55° | 85.6 | 2,600 | | | 96.2 | 2,400 |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 0lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|---|--|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode I) + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 32.9 | 7,900 | 54.8 | 5,700 | 66.7 | 3,700 |
| 75° | 49.5 | 7,900 | 69.8 | 5,200 | 80.1 | 3,700 |
| 70° | 65.3 | 7,100 | 83.8 | 4,700 | 92.1 | 3,600 |
| 65° | 77.9 | 4,500 | 96.4 | 3,900 | 103.0 | 3,500 |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 0lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|---|--|--------|----------|--------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode II) + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 25.3 | 11,000 | 38.2 | 10,300 | 45.6 | 8,300 |
| 75° | 40.5 | 11,000 | 51.5 | 9,300 | 57.6 | 7,700 |
| 70° | 54.2 | 10,600 | 63.5 | 8,000 | 68.7 | 6,900 |
| 65° | 65.8 | 8,600 | 74.9 | 7,000 | 79.2 | 6,200 |
| 60° | 76.6 | 6,300 | 85.1 | 5,600 | 88.9 | 5,400 |
| 55° | 86.6 | 4,500 | 94.7 | 4,100 | 97.9 | 4,000 |
| 50° | 96.2 | 3,200 | 103.0 | 2,900 | 106.0 | 2,900 |
| 45° | 105.0 | 2,200 | 112.0 | 2,100 | 114.0 | 2,100 |
| 40° | 113.0 | 1,500 | 119.0 | 1,400 | | |

| ON OUTRIGGERS FULLY EXTENDED 23' 7-1/2" (7.2m) SPREAD, 0lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|---|---|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode II) + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 33.5 | 6,300 | 55.9 | 5,700 | 66.9 | 3,700 |
| 75° | 50.7 | 6,300 | 71.1 | 5,100 | 80.6 | 3,700 |
| 70° | 66.3 | 6,300 | 84.6 | 4,400 | 92.6 | 3,600 |
| 65° | 80.4 | 5,300 | 97.3 | 3,900 | 103.0 | 3,300 |
| 60° | 93.1 | 4,000 | 109.0 | 3,500 | 114.0 | 3,000 |
| 55° | 105.0 | 2,700 | 119.0 | 2,500 | 123.0 | 2,300 |
| 50° | 116.0 | 1,800 | 129.0 | 1,700 | 131.0 | 1,600 |

R: Load radius in feet
W: Rated lifting capacity in pounds

F

GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 39,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | | |
|--|-------|-----------|------------|---------|---------------|--------|-------------|--------|----------------|--------|------------|-----------|--------|--------|--------|
| A | 37.7 | | 51 | | 64.4 (19.62m) | | 91 (27.75m) | | 117.7 (35.87m) | | 131 | | 144.4 | | |
| | B | C (11.5m) | C (15.56m) | C | C | C | C | C | C | C | C (39.93m) | C (44.0m) | | | |
| 10' | 68 | 154,900 | 74 | 103,600 | 78 | 88,100 | 78 | 44,000 | | | | | | | |
| 12' | 65 | 132,700 | 72 | 103,600 | 76 | 88,100 | 76 | 44,000 | | | | | | | |
| 15' | 60 | 108,200 | 68 | 103,600 | 73 | 88,100 | 73 | 44,000 | 79 | 44,000 | 79 | 30,800 | | | |
| 20' | 50 | 80,900 | 62 | 80,100 | 69 | 71,900 | 69 | 44,000 | 76 | 44,000 | 76 | 30,800 | 80 | 30,800 | |
| 25' | 38 | 54,600 | 55 | 53,400 | 64 | 52,400 | 64 | 44,000 | 73 | 44,000 | 73 | 30,800 | 77 | 30,800 | |
| 30' | 21 | 39,500 | 48 | 38,400 | 58 | 37,600 | 58 | 43,400 | 69 | 41,000 | 69 | 29,500 | 75 | 30,800 | |
| 35' | | | 39 | 28,800 | 53 | 28,100 | 53 | 33,600 | 66 | 31,400 | 66 | 25,600 | 72 | 30,800 | |
| 40' | | | 28 | 22,300 | 47 | 21,600 | 47 | 26,900 | 62 | 24,800 | 62 | 22,600 | 70 | 26,200 | |
| 45' | | | | | 40 | 16,800 | 40 | 22,000 | 59 | 19,900 | 59 | 20,100 | 67 | 21,300 | |
| 50' | | | | | 32 | 13,300 | 32 | 18,300 | 55 | 16,200 | 55 | 18,100 | 64 | 17,600 | |
| 60' | | | | | | | | 46 | 10,900 | 46 | 14,300 | 59 | 12,300 | 59 | 13,200 |
| 70' | | | | | | | | 36 | 7,300 | 36 | 10,700 | 52 | 8,700 | 52 | 10,900 |
| 80' | | | | | | | | 22 | 4,800 | 22 | 8,100 | 46 | 6,100 | 46 | 8,600 |
| 90' | | | | | | | | | | | | 38 | 4,200 | 38 | 6,600 |
| 100' | | | | | | | | | | | | 28 | 2,700 | 28 | 5,100 |
| 110' | | | | | | | | | | | | 13 | 1,500 | 13 | 3,900 |
| 120' | | | | | | | | | | | | 19 | 2,000 | 19 | 2,000 |
| D | 0° | | | | | | | | | | | | 30° | | |
| Telescoping conditions (%) | | | | | | | | | | | | | | | |
| Telescoping mode | I, II | I | I | I | II | I | II | I | II | I | II | II | I, II | I, II | |
| 2nd boom | 0 | 50 | 100 | 0 | 100 | 0 | 100 | 0 | 100 | 0 | 100 | 0 | 50 | 100 | |
| 3rd boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | |
| 4th boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | |
| Top boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | |

A: Boom length in feet
 B: Load radius in feet
 C: Loaded boom angle (°)
 D: Minimum boom angle (°) for indicated length (no load)

| LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 39,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | | | | | |
|---|-------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| A | 37.7 | | 51 | | 64.4 | | 64.4 | | 91 | | 91 | | 117.7 | | 117.7 | | 131 | |
| | E | B (11.5m) | B (15.56m) | B (19.62m) | B (19.62m) | B (27.75m) | B (27.75m) | B (27.75m) | B (35.87m) | B (35.87m) | B (35.87m) | B (35.87m) | B (39.93m) | B (39.93m) | B (39.93m) | B (39.93m) | B (39.93m) | B (39.93m) |
| 0 | 31.7 | 30,200 | 45.0 | 17,400 | 58.3 | 8,800 | 58.3 | 13,400 | 85.0 | 3,700 | 85.0 | 6,800 | 111 | 1,300 | 111 | 3,700 | 125 | 1,500 |
| Telescoping mode | I, II | I | I | I | II | I | II | I | II | I | II | I | II | II | II | II | II | II |

A: Boom length in feet
 B: Load radius in feet
 E: Boom angle (°)

- NOTE:
- The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-L) is based on the standard number of parts of line listed in the following table:
 - Standard number of parts of line for each boom length shall be according to the following table:

| Boom Length in Feet (meters) | 37.7' (11.5) | 37.7' to 51' (11.5 to 15.56) | 51' to 64.4' (15.56 to 19.62) | 64.4' to 91' (19.62 to 27.75) | 91' to 144.4' (27.75 to 44.0) | Single top Jib |
|------------------------------|--------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------|
| Number of parts of line | 16 | 12 | 10 | 5 | 4 | 1 |



GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 39,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|--|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 144.4' (44.0m) Boom + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 32.1 | 9,900 | 44.2 | 8,800 | 51.9 | 8,100 |
| 75° | 50.0 | 9,900 | 60.6 | 8,700 | 66.4 | 7,300 |
| 70° | 66.1 | 9,700 | 75.0 | 7,600 | 79.9 | 6,600 |
| 65° | 79.7 | 7,200 | 88.8 | 6,500 | 92.4 | 6,000 |
| 60° | 91.8 | 4,800 | 100.0 | 4,400 | 104.0 | 4,400 |
| 55° | 104.0 | 3,100 | 111.0 | 2,900 | 114.0 | 3,000 |
| 50° | 115.0 | 1,900 | 121.0 | 1,800 | 124.0 | 1,900 |
| 45° | 125.0 | 1,000 | | | 133.0 | 1,000 |

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 39,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|---|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 144.4' (44.0m) Boom + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 39.9 | 5,900 | 64.3 | 5,400 | 73.8 | 3,400 |
| 75° | 59.6 | 5,900 | 82.2 | 4,800 | 89.9 | 3,400 |
| 70° | 78.3 | 5,900 | 98.4 | 4,200 | 105.0 | 3,400 |
| 65° | 94.4 | 4,900 | 113.0 | 3,700 | 118.0 | 3,100 |
| 60° | 108.0 | 3,000 | 126.0 | 2,800 | 130.0 | 2,700 |
| 55° | 121.0 | 1,700 | 138.0 | 1,700 | 141.0 | 1,600 |

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 39,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|--|--------|----------|--------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode I) + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 25.6 | 12,300 | 36.7 | 10,300 | 44.2 | 8,300 |
| 75° | 39.7 | 12,300 | 50.6 | 10,000 | 56.5 | 8,000 |
| 70° | 53.3 | 12,300 | 62.8 | 8,800 | 67.6 | 7,400 |
| 65° | 65.3 | 10,500 | 74.1 | 7,900 | 77.9 | 6,800 |
| 60° | 76.4 | 7,900 | 84.7 | 7,100 | 88.0 | 6,400 |
| 55° | 86.7 | 5,700 | 94.3 | 5,300 | 97.3 | 5,200 |
| 50° | 96.3 | 4,100 | 103.0 | 3,900 | 106.0 | 3,900 |
| 45° | 105.0 | 3,000 | 111.0 | 2,800 | 113.0 | 2,800 |
| 40° | 113.0 | 2,000 | 119.0 | 1,900 | | |
| 35° | 121.0 | 1,300 | 125.0 | 1,300 | | |

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 39,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|---|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode I) + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 32.9 | 7,900 | 54.8 | 5,700 | 66.7 | 3,700 |
| 75° | 49.5 | 7,900 | 69.8 | 5,200 | 80.1 | 3,700 |
| 70° | 64.9 | 7,100 | 83.8 | 4,700 | 92.1 | 3,600 |
| 65° | 79.0 | 6,000 | 96.6 | 4,200 | 103.0 | 3,500 |
| 60° | 92.6 | 5,100 | 109.0 | 3,800 | 113.0 | 3,300 |
| 55° | 105.0 | 3,800 | 120.0 | 3,500 | 123.0 | 3,100 |
| 50° | 116.0 | 2,600 | 129.0 | 2,400 | 131.0 | 2,300 |
| 45° | 126.0 | 1,700 | 137.0 | 1,600 | 139.0 | 1,500 |

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 39,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|---|--------|----------|--------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode II) + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 25.3 | 11,000 | 38.2 | 10,300 | 45.6 | 8,300 |
| 75° | 40.5 | 11,000 | 51.5 | 9,300 | 57.6 | 7,700 |
| 70° | 54.2 | 10,600 | 63.5 | 8,000 | 68.7 | 6,900 |
| 65° | 65.8 | 8,600 | 74.9 | 7,000 | 79.2 | 6,200 |
| 60° | 77.0 | 7,100 | 85.5 | 6,200 | 89.2 | 5,700 |
| 55° | 87.5 | 5,900 | 95.4 | 5,300 | 98.5 | 5,200 |
| 50° | 97.4 | 5,000 | 104.0 | 4,600 | 107.0 | 4,500 |
| 45° | 106.0 | 4,300 | 113.0 | 4,100 | 114.0 | 4,000 |
| 40° | 115.0 | 3,800 | 120.0 | 3,600 | | |
| 35° | 122.0 | 3,200 | 126.0 | 3,000 | | |
| 30° | 128.0 | 2,600 | 132.0 | 2,500 | | |
| 25° | 134.0 | 2,200 | 137.0 | 2,200 | | |
| 20° | 138.0 | 1,900 | | | | |
| 15° | 142.0 | 1,700 | | | | |

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 39,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|--|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode II) + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 33.5 | 6,300 | 55.9 | 5,700 | 66.9 | 3,700 |
| 75° | 50.7 | 6,300 | 71.1 | 5,100 | 80.6 | 3,700 |
| 70° | 66.3 | 6,300 | 84.6 | 4,400 | 92.6 | 3,600 |
| 65° | 80.4 | 5,300 | 97.3 | 3,900 | 103.0 | 3,300 |
| 60° | 93.6 | 4,500 | 109.0 | 3,500 | 114.0 | 3,000 |
| 55° | 106.0 | 3,900 | 120.0 | 3,100 | 123.0 | 2,800 |
| 50° | 117.0 | 3,300 | 130.0 | 2,800 | 132.0 | 2,700 |
| 45° | 127.0 | 2,800 | 139.0 | 2,600 | 140.0 | 2,500 |
| 40° | 137.0 | 2,400 | 146.0 | 2,300 | | |
| 35° | 145.0 | 1,900 | 153.0 | 1,800 | | |
| 30° | 152.0 | 1,500 | 158.0 | 1,500 | | |
| 25° | 158.0 | 1,200 | 163.0 | 1,200 | | |
| 20° | 163.0 | 1,000 | | | | |

R: Load radius in feet
W: Rated lifting capacity in pounds

G

GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 35,000lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | | |
|--|-----------------|---------|----------------|---------|---------------|--------|-------------|--------|----------------|--------|-----------------|------------------|--------|-------|--|
| A B | 37.7 (11.5m) | | 51 (15.56m) | | 64.4 (19.62m) | | 91 (27.75m) | | 117.7 (35.87m) | | 131 (39.93m) | 144.4 (44.0m) | | | |
| | C | C | C | C | C | C | C | C | C | C | C | C | | | |
| 10' | 68 | 152,600 | 74 | 103,600 | 78 | 88,100 | 78 | 44,000 | | | | | | | |
| 12' | 65 | 130,600 | 72 | 103,600 | 76 | 88,100 | 76 | 44,000 | | | | | | | |
| 15' | 60 | 106,300 | 68 | 103,600 | 73 | 88,100 | 73 | 44,000 | 79 | 30,800 | | | | | |
| 20' | 50 | 76,600 | 62 | 75,000 | 69 | 71,900 | 69 | 44,000 | 76 | 30,800 | 80 | 30,800 | | | |
| 25' | 38 | 50,600 | 55 | 49,400 | 64 | 48,400 | 64 | 44,000 | 73 | 30,800 | 77 | 30,800 | | | |
| 30' | 21 | 36,400 | 48 | 35,300 | 58 | 34,500 | 58 | 40,300 | 69 | 29,500 | 75 | 30,800 | | | |
| 35' | | | 39 | 26,300 | 53 | 25,600 | 53 | 31,100 | 66 | 28,800 | 66 | 25,600 | | | |
| 40' | | | 28 | 20,200 | 47 | 19,500 | 47 | 24,700 | 62 | 22,600 | 62 | 22,600 | | | |
| 45' | | | | | 40 | 15,000 | 40 | 20,100 | 59 | 18,100 | 59 | 20,100 | | | |
| 50' | | | | | 32 | 11,600 | 32 | 16,600 | 55 | 14,600 | 55 | 18,100 | | | |
| 60' | | | | | | | | 46 | 9,600 | 46 | 13,000 | 59 | 11,000 | | |
| 70' | | | | | | | | 36 | 6,200 | 36 | 9,500 | 52 | 7,600 | | |
| 80' | | | | | | | | 22 | 3,900 | 22 | 7,100 | 46 | 5,200 | | |
| 90' | | | | | | | | | | 38 | 3,300 | 38 | 5,800 | | |
| 100' | | | | | | | | | | 28 | 1,900 | 28 | 4,300 | | |
| 110' | | | | | | | | | | | 13 | 3,200 | 31 | 2,300 | |
| 120' | | | | | | | | | | | | 19 | 1,300 | | |
| D | 0° | | | | | 23° | | 0° | | 16° | | 38° | | | |
| Telescoping conditions (%) | | | | | | | | | | | | | | | |
| Telescoping mode | I, II | I | I | I | II | I | II | I | II | II | II | I, II | | | |
| 2nd boom | 0 | 50 | 100 | 0 | 100 | 0 | 100 | 0 | 100 | 0 | 50 | 100 | | | |
| 3rd boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | | | |
| 4th boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | | | |
| Top boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 | 100 | 100 | | | |

- A: Boom length in feet
- B: Load radius in feet
- C: Loaded boom angle (°)
- D: Minimum boom angle (°) for indicated length (no load)

| LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 35,000lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | |
|---|-----------------|--------|----------------|--------|------------------|-------|------------------|-------|----------------|-------|----------------|-------|-------------------|-------|
| A E | 37.7 (11.5m) | | 51 (15.56m) | | 64.4 (19.62m) | | 64.4 (19.62m) | | 91 (27.75m) | | 91 (27.75m) | | 117.7 (35.87m) | |
| | B | B | B | B | B | B | B | B | B | B | B | B | | |
| 0 | 31.7 | 30,200 | 45.0 | 15,400 | 58.3 | 3,500 | 58.3 | 9,300 | 85.0 | 2,000 | 85.0 | 6,000 | 111 | 3,100 |
| Telescoping mode | I, II | | I | | I | | II | | I | | II | | II | |

- A: Boom length in feet
- B: Load radius in feet
- E: Boom angle (°)

- NOTE:
- The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-L) is based on the standard number of parts of line listed in the following table:
 - Standard number of parts of line for each boom length shall be according to the following table:

| Boom Length in Feet (meters) | 37.7' (11.5) | 37.7' to 51' (11.5 to 15.56) | 51' to 64.4' (15.56 to 19.62) | 64.4' to 91' (19.62 to 27.75) | 91' to 144.4' (27.75 to 44.0) | Single top Jib |
|------------------------------|--------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------|
| Number of parts of line | 16 | 12 | 10 | 5 | 4 | 1 |

JG GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 35,000lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|--|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 144.4' (44.0m) Boom + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 32.1 | 9,900 | 44.2 | 8,800 | 51.9 | 8,100 |
| 75° | 50.0 | 9,900 | 60.6 | 8,700 | 66.4 | 7,300 |
| 70° | 66.1 | 9,700 | 75.0 | 7,600 | 79.9 | 6,600 |
| 65° | 78.9 | 6,300 | 87.8 | 5,600 | 91.9 | 5,500 |
| 60° | 91.1 | 4,000 | 99.4 | 3,700 | 103.0 | 3,700 |
| 55° | 103.0 | 2,500 | 111.0 | 2,300 | 114.0 | 2,300 |
| 50° | 114.0 | 1,300 | 121.0 | 1,200 | 124.0 | 1,300 |

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 35,000lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|---|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 144.4' (44.0m) Boom + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 39.9 | 5,900 | 64.3 | 5,400 | 73.8 | 3,400 |
| 75° | 59.6 | 5,900 | 82.2 | 4,800 | 89.9 | 3,400 |
| 70° | 78.3 | 5,900 | 98.4 | 4,200 | 105.0 | 3,400 |
| 65° | 93.2 | 4,100 | 113.0 | 3,700 | 118.0 | 3,100 |
| 60° | 107.0 | 2,400 | 125.0 | 2,300 | 129.0 | 2,100 |
| 55° | | | 137.0 | 1,200 | | |

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 35,000lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|--|--------|----------|--------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode I) + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 25.6 | 12,300 | 36.7 | 10,300 | 44.2 | 8,300 |
| 75° | 39.7 | 12,300 | 50.6 | 10,000 | 56.5 | 8,000 |
| 70° | 53.3 | 12,300 | 62.8 | 8,800 | 67.6 | 7,400 |
| 65° | 65.4 | 10,000 | 74.1 | 7,900 | 77.9 | 6,800 |
| 60° | 76.2 | 7,000 | 84.6 | 6,300 | 88.1 | 6,100 |
| 55° | 86.5 | 4,900 | 93.9 | 4,500 | 97.1 | 4,500 |
| 50° | 96.1 | 3,400 | 103.0 | 3,200 | 105.0 | 3,200 |
| 45° | 105.0 | 2,300 | 111.0 | 2,100 | 113.0 | 2,200 |
| 40° | 113.0 | 1,400 | 119.0 | 1,300 | | |

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 35,000lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|---|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode I) + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 32.9 | 7,900 | 54.8 | 5,700 | 66.7 | 3,700 |
| 75° | 49.5 | 7,900 | 69.8 | 5,200 | 80.1 | 3,700 |
| 70° | 64.9 | 7,100 | 83.8 | 4,700 | 92.1 | 3,600 |
| 65° | 79.0 | 6,000 | 96.6 | 4,200 | 103.0 | 3,500 |
| 60° | 92.4 | 4,700 | 109.0 | 3,800 | 113.0 | 3,300 |
| 55° | 104.0 | 3,100 | 119.0 | 2,800 | 123.0 | 2,700 |
| 50° | 116.0 | 2,000 | 128.0 | 1,900 | 131.0 | 1,800 |
| 45° | 126.0 | 1,100 | 137.0 | 1,100 | 139.0 | 1,000 |

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 35,000lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|---|--------|----------|--------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode II) + 32.5' (9.9m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 25.3 | 11,000 | 38.2 | 10,300 | 45.6 | 8,300 |
| 75° | 40.5 | 11,000 | 51.5 | 9,300 | 57.6 | 7,700 |
| 70° | 54.2 | 10,600 | 63.5 | 8,000 | 68.7 | 6,900 |
| 65° | 65.8 | 8,600 | 74.9 | 7,000 | 79.2 | 6,200 |
| 60° | 77.0 | 7,100 | 85.5 | 6,200 | 89.2 | 5,700 |
| 55° | 87.5 | 5,900 | 95.4 | 5,300 | 98.5 | 5,200 |
| 50° | 97.4 | 5,000 | 104.0 | 4,600 | 107.0 | 4,500 |
| 45° | 106.0 | 4,100 | 113.0 | 3,800 | 114.0 | 3,800 |
| 40° | 114.0 | 3,200 | 120.0 | 3,000 | | |
| 35° | 122.0 | 2,600 | 126.0 | 2,500 | | |
| 30° | 128.0 | 2,100 | 132.0 | 2,000 | | |
| 25° | 133.0 | 1,700 | 137.0 | 1,600 | | |
| 20° | 138.0 | 1,400 | | | | |
| 15° | 142.0 | 1,200 | | | | |

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 35,000lbs COUNTERWEIGHT, 360° ROTATION | | | | | | |
|--|--|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode II) + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W |
| 80° | 33.5 | 6,300 | 55.9 | 5,700 | 66.9 | 3,700 |
| 75° | 50.7 | 6,300 | 71.1 | 5,100 | 80.6 | 3,700 |
| 70° | 66.3 | 6,300 | 84.6 | 4,400 | 92.6 | 3,600 |
| 65° | 80.4 | 5,300 | 97.3 | 3,900 | 103.0 | 3,300 |
| 60° | 93.6 | 4,500 | 109.0 | 3,500 | 114.0 | 3,000 |
| 55° | 106.0 | 3,900 | 120.0 | 3,100 | 123.0 | 2,800 |
| 50° | 117.0 | 3,300 | 130.0 | 2,800 | 132.0 | 2,700 |
| 45° | 127.0 | 2,600 | 138.0 | 2,400 | 140.0 | 2,400 |
| 40° | 136.0 | 1,900 | 146.0 | 1,800 | | |
| 35° | 145.0 | 1,400 | 152.0 | 1,400 | | |
| 30° | 152.0 | 1,000 | 158.0 | 1,000 | | |

R: Load radius in feet
W: Rated lifting capacity in pounds

H

GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 16,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------|---------|----------------|---------|---------------|--------|----|-------------|----|--------|----------------|--------|----|-----------------|-------|------------------|-----|--------|-----|--------|-------|-----|--|
| A B | 37.7 (11.5m) | | 51 (15.56m) | | 64.4 (19.62m) | | | 91 (27.75m) | | | 117.7 (35.87m) | | | 131 (39.93m) | | 144.4 (44.0m) | | | | | | | |
| | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 10' | 68 | 142,400 | 74 | 103,600 | 78 | 88,100 | 78 | 44,000 | | | | | | | | | | | | | | | |
| 12' | 65 | 121,100 | 72 | 103,600 | 76 | 88,100 | 76 | 44,000 | | | | | | | | | | | | | | | |
| 15' | 60 | 97,600 | 68 | 95,600 | 73 | 88,100 | 73 | 44,000 | 79 | 44,000 | 79 | 30,800 | | | | | | | | | | | |
| 20' | 50 | 52,500 | 62 | 50,900 | 69 | 49,600 | 69 | 44,000 | 76 | 44,000 | 76 | 30,800 | 80 | 30,800 | 80 | 17,600 | | | | | | | |
| 25' | 38 | 33,500 | 55 | 32,300 | 64 | 31,400 | 64 | 37,700 | 73 | 35,000 | 73 | 30,800 | 77 | 30,800 | 77 | 17,600 | 79 | 17,600 | | | | | |
| 30' | 21 | 23,200 | 48 | 22,000 | 58 | 21,300 | 58 | 27,100 | 69 | 24,600 | 69 | 28,800 | 75 | 26,300 | 75 | 17,600 | 77 | 17,600 | 78 | 17,600 | | | |
| 35' | | | 39 | 15,500 | 53 | 14,800 | 53 | 20,300 | 66 | 18,000 | 66 | 21,900 | 72 | 19,600 | 72 | 17,600 | 75 | 17,600 | 76 | 17,600 | | | |
| 40' | | | 28 | 11,100 | 47 | 10,400 | 47 | 15,600 | 62 | 13,500 | 62 | 17,200 | 70 | 15,000 | 70 | 17,600 | 73 | 16,700 | 74 | 15,800 | | | |
| 45' | | | | | 40 | 6,900 | 40 | 12,200 | 59 | 10,100 | 59 | 13,800 | 67 | 11,600 | 67 | 14,400 | 70 | 13,300 | 72 | 12,400 | | | |
| 50' | | | | | 32 | 4,300 | 32 | 9,600 | 55 | 7,500 | 55 | 11,100 | 64 | 8,900 | 64 | 11,800 | 68 | 10,700 | 70 | 9,700 | | | |
| 60' | | | | | | | | | 46 | 3,700 | 46 | 7,200 | 59 | 5,100 | 59 | 7,900 | 63 | 6,800 | 66 | 5,900 | | | |
| 70' | | | | | | | | | 36 | 1,200 | 36 | 4,600 | 52 | 2,600 | 52 | 5,200 | 58 | 4,200 | 61 | 3,400 | | | |
| 80' | | | | | | | | | | | 22 | 2,800 | | | 46 | 3,400 | 52 | 2,400 | | | | | |
| 90' | | | | | | | | | | | | | | 38 | 2,000 | | | | | | | | |
| D | 0° | | 10° | | 0° | | | 35° | | | 0° | | | 50° | | | 36° | | 50° | | 59° | | |
| Telescoping conditions (%) | | | | | | | | | | | | | | | | | | | | | | | |
| Telescoping mode | I, II | | I | | I | | | II | | | I | | | II | | | II | | II | | I, II | | |
| 2nd boom | 0 | | 50 | | 100 | | | 0 | | | 100 | | | 0 | | | 100 | | | 50 | | 100 | |
| 3rd boom | 0 | | 0 | | 0 | | | 33 | | | 33 | | | 66 | | | 66 | | | 100 | | 100 | |
| 4th boom | 0 | | 0 | | 0 | | | 33 | | | 33 | | | 66 | | | 66 | | | 100 | | 100 | |
| Top boom | 0 | | 0 | | 0 | | | 33 | | | 33 | | | 66 | | | 66 | | | 100 | | 100 | |

A: Boom length in feet
 B: Load radius in feet
 C: Loaded boom angle (°)
 D: Minimum boom angle (°) for indicated length (no load)

| LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 16,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | |
|---|-----------------|--------|----------------|-------|------------------|---|---|----------------|---|---|---|--|
| A E | 37.7 (11.5m) | | 51 (15.56m) | | 64.4 (19.62m) | | | 91 (27.75m) | | | | |
| | B | B | B | B | B | B | B | B | B | B | B | |
| 0 | 31.7 | 20,300 | 45.0 | 6,800 | | | | | | | | |
| Telescoping mode | I, II | | I | | II | | | II | | | | |

A: Boom length in feet
 B: Load radius in feet
 E: Boom angle (°)

NOTE: • The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-L) is based on the standard number of parts of line listed in the following table:

• Standard number of parts of line for each boom length shall be according to the following table:

| Boom Length in Feet (meters) | 37.7' (11.5) | 37.7' to 51' (11.5 to 15.56) | 51' to 64.4' (15.56 to 19.62) | 64.4' to 91' (19.62 to 27.75) | 91' to 144.4' (27.75 to 44.0) | Single top Jib |
|------------------------------|--------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------|
| Number of parts of line | 16 | 12 | 10 | 5 | 4 | 1 |

JH GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 16,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | |
|--|--|-------|----------|-------|----------|-------|----------------------|---|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 144.4' (44.0m) Boom + 32.5' (9.9m) Jib | | | | | | Boom Angle in Degree | 144.4' (44.0m) Boom + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | | | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W | | R | W | R | W | R | W |
| 80° | 32.1 | 9,900 | 44.2 | 8,800 | 51.9 | 8,100 | 80° | 39.9 | 5,900 | 64.3 | 5,400 | 73.8 | 3,400 |
| 75° | 49.4 | 9,100 | 59.7 | 7,500 | 66.4 | 7,100 | 75° | 59.3 | 5,600 | 81.9 | 4,700 | 89.9 | 3,400 |
| 70° | 62.4 | 4,700 | 72.3 | 4,100 | 77.8 | 4,000 | | | | | | | |

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 16,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | |
|--|---|--------|----------|--------|----------|-------|----------------------|--|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode I) + 32.5' (9.9m) Jib | | | | | | Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode I) + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | | | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W | | R | W | R | W | R | W |
| 80° | 25.6 | 12,300 | 36.7 | 10,300 | 44.2 | 8,300 | 80° | 32.9 | 7,900 | 54.8 | 5,700 | 66.7 | 3,700 |
| 75° | 39.7 | 12,300 | 50.6 | 10,000 | 56.5 | 8,000 | 75° | 49.5 | 7,900 | 69.8 | 5,200 | 80.1 | 3,700 |
| 70° | 52.1 | 8,500 | 61.9 | 7,100 | 67.4 | 6,700 | 70° | 63.8 | 5,300 | 83.5 | 4,400 | 92.1 | 3,600 |
| 65° | 63.5 | 4,900 | 72.6 | 4,200 | 76.9 | 4,100 | 65° | 76.8 | 2,800 | 94.7 | 2,400 | 102.0 | 2,200 |
| 60° | 74.7 | 2,600 | 82.9 | 2,300 | 86.7 | 2,300 | | | | | | | |

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 16,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | |
|--|--|--------|----------|--------|----------|-------|----------------------|---|-------|----------|-------|----------|-------|
| Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode II) + 32.5' (9.9m) Jib | | | | | | Boom Angle in Degree | 117.7' (35.87m) Boom (telescoping mode II) + 58.1' (17.7m) Jib | | | | | |
| | 3.5° Tilt | | 25° Tilt | | 45° Tilt | | | 3.5° Tilt | | 25° Tilt | | 45° Tilt | |
| | R | W | R | W | R | W | | R | W | R | W | R | W |
| 80° | 25.3 | 11,000 | 38.2 | 10,300 | 45.6 | 8,300 | 80° | 33.5 | 6,300 | 55.9 | 5,700 | 66.9 | 3,700 |
| 75° | 40.5 | 11,000 | 51.5 | 9,300 | 57.6 | 7,700 | 75° | 50.7 | 6,300 | 71.1 | 5,100 | 80.6 | 3,700 |
| 70° | 54.0 | 10,300 | 63.5 | 8,000 | 68.7 | 6,900 | 70° | 66.3 | 6,300 | 84.6 | 4,400 | 92.6 | 3,600 |
| 65° | 64.6 | 6,700 | 74.1 | 5,800 | 79.0 | 5,600 | 65° | 79.6 | 4,200 | 97.1 | 3,600 | 103.0 | 3,200 |
| 60° | 75.3 | 4,400 | 84.4 | 4,000 | 88.3 | 3,800 | 60° | 92.0 | 2,600 | 108.0 | 2,300 | 113.0 | 2,100 |
| 55° | 85.8 | 2,900 | 93.7 | 2,600 | 97.2 | 2,600 | 55° | 104.0 | 1,400 | 118.0 | 1,300 | 122.0 | 1,200 |
| 50° | 95.5 | 1,700 | 103.0 | 1,600 | 106.0 | 1,600 | | | | | | | |

R: Load radius in feet
W: Rated lifting capacity in pounds

I

GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 11,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | | | | | | | |
|--|-----------------|---------|----------------|---------|---------------|--------|-------------|--------|----------------|--------|-----------------|--------|------------------|--------|-------|--|-----------|--|-----|--|
| A \ B | 37.7 (11.5m) | | 51 (15.56m) | | 64.4 (19.62m) | | 91 (27.75m) | | 117.7 (35.87m) | | 131 (39.93m) | | 144.4 (44.0m) | | | | | | | |
| | C | C | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 10' | 68 | 139,500 | 74 | 103,600 | 78 | 88,100 | 78 | 44,000 | | | | | | | | | | | | |
| 12' | 65 | 118,300 | 72 | 103,600 | 76 | 88,100 | 76 | 44,000 | | | | | | | | | | | | |
| 15' | 60 | 87,000 | 68 | 84,400 | 73 | 82,700 | 73 | 44,000 | 79 | 44,000 | 79 | 30,800 | | | | | | | | |
| 20' | 50 | 45,900 | 62 | 44,300 | 69 | 43,100 | 69 | 44,000 | 76 | 44,000 | 76 | 30,800 | 80 | 30,800 | | | | | | |
| 25' | 38 | 28,900 | 55 | 27,700 | 64 | 26,700 | 64 | 33,100 | 73 | 30,300 | 73 | 30,800 | 77 | 30,800 | | | | | | |
| 30' | 21 | 19,500 | 48 | 18,400 | 58 | 17,700 | 58 | 23,500 | 69 | 21,000 | 69 | 25,100 | 75 | 22,600 | | | | | | |
| 35' | | | 39 | 12,400 | 53 | 11,600 | 53 | 17,300 | 66 | 15,100 | 66 | 19,000 | 72 | 16,600 | | | | | | |
| 40' | | | 28 | 8,100 | 47 | 7,300 | 47 | 13,000 | 62 | 10,700 | 62 | 14,700 | 70 | 12,300 | | | | | | |
| 45' | | | | | 40 | 4,300 | 40 | 9,700 | 59 | 7,500 | 59 | 11,300 | 67 | 9,000 | | | | | | |
| 50' | | | | | 32 | 2,100 | 32 | 7,300 | 55 | 5,200 | 55 | 8,900 | 64 | 6,600 | | | | | | |
| 60' | | | | | | | | | 46 | 1,900 | 46 | 5,400 | 59 | 3,300 | | | | | | |
| 70' | | | | | | | | | | | | 36 | 3,100 | 52 | 3,700 | | | | | |
| 80' | | | | | | | | | | | | 22 | 1,500 | 46 | 2,100 | | | | | |
| D | 0° | | 27° | | 0° | | 44° | | 20° | | 56° | | 44° | | 56° | | 64° | | | |
| Telescoping conditions (%) | | | | | | | | | | | | | | | | | | | | |
| Telescoping mode | I, II | | I | | I | | II | | I | | II | | I | | II | | II, I, II | | | |
| 2nd boom | 0 | | 50 | | 100 | | 0 | | 100 | | 0 | | 100 | | 0 | | 50 | | 100 | |
| 3rd boom | 0 | | 0 | | 0 | | 33 | | 33 | | 66 | | 66 | | 100 | | 100 | | 100 | |
| 4th boom | 0 | | 0 | | 0 | | 33 | | 33 | | 66 | | 66 | | 100 | | 100 | | 100 | |
| Top boom | 0 | | 0 | | 0 | | 33 | | 33 | | 66 | | 66 | | 100 | | 100 | | 100 | |

A: Boom length in feet
 B: Load radius in feet
 C: Loaded boom angle (°)
 D: Minimum boom angle (°) for indicated length (no load)

| LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 11,500lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | |
|---|-----------------|--------|----------------|-------|------------------|-------|--|--|--|--|--|
| A \ E | 37.7 (11.5m) | | 51 (15.56m) | | 64.4 (19.62m) | | | | | | |
| | B | B | B | B | B | B | | | | | |
| 0 | 31.7 | 15,900 | 45.0 | 3,100 | 58.3 | 2,400 | | | | | |
| Telescoping mode | I, II | | I | | II | | | | | | |

A: Boom length in feet
 B: Load radius in feet
 E: Boom angle (°)

NOTE: • The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-L) is based on the standard number of parts of line listed in the following table:

• Standard number of parts of line for each boom length shall be according to the following table:

| Boom Length in Feet (meters) | 37.7' (11.5) | 37.7' to 51' (11.5 to 15.56) | 51' to 64.4' (15.56 to 19.62) | 64.4' to 91' (19.62 to 27.75) | 91' to 144.4' (27.75 to 44.0) | Single top Jib |
|------------------------------|--------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------|
| Number of parts of line | 16 | 12 | 10 | 5 | 4 | 1 |

J

GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 0lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | | | | | | | |
|---|---------------------|-----------------|----|----------------|----|---------------|----|-------------|----|----------------|----|-----------------|----|------------------|----|--------|----|--------|----|--------|
| A B | Boom Length In Feet | | | | | | | | | | | | | | | | | | | |
| | C | 37.7 (11.5m) | | 51 (15.56m) | | 64.4 (19.62m) | | 91 (27.75m) | | 117.7 (35.87m) | | 131 (39.93m) | | 144.4 (44.0m) | | | | | | |
| 10' | 68 | 132,900 | 74 | 103,600 | 78 | 88,100 | 78 | 44,000 | | | | | | | | | | | | |
| 12' | 65 | 112,100 | 72 | 103,600 | 76 | 88,100 | 76 | 44,000 | | | | | | | | | | | | |
| 15' | 60 | 62,800 | 68 | 60,200 | 73 | 58,600 | 73 | 44,000 | 79 | 44,000 | 79 | 30,800 | | | | | | | | |
| 20' | 50 | 31,600 | 62 | 30,100 | 69 | 28,900 | 69 | 36,200 | 76 | 33,100 | 76 | 30,800 | 80 | 30,800 | 80 | 17,600 | | | | |
| 25' | 38 | 17,900 | 55 | 16,500 | 64 | 15,200 | 64 | 22,700 | 73 | 19,500 | 73 | 24,700 | 77 | 21,700 | 77 | 17,600 | 79 | 17,600 | | |
| 30' | 21 | 10,100 | 48 | 8,900 | 58 | 8,000 | 58 | 14,500 | 69 | 11,700 | 69 | 16,300 | 75 | 13,600 | 75 | 17,100 | 77 | 15,800 | 78 | 14,600 |
| 35' | | | 39 | 4,400 | 53 | 3,600 | 53 | 9,700 | 66 | 7,100 | 66 | 11,300 | 72 | 8,800 | 72 | 12,000 | 75 | 10,800 | 76 | 9,700 |
| 40' | | | 28 | 1,400 | | | 47 | 6,400 | 62 | 4,000 | 62 | 8,000 | 70 | 5,600 | 70 | 8,700 | 73 | 7,500 | 74 | 6,500 |
| 45' | | | | | | | 40 | 4,100 | | | 59 | 5,600 | | | 67 | 6,300 | 70 | 5,200 | | |
| 50' | | | | | | | 32 | 2,400 | | | 55 | 3,900 | | | 64 | 4,500 | 68 | 3,400 | | |
| D | | 0° | | 27° | | 47° | | 29° | | 60° | | 52° | | 67° | | 62° | | 66° | | 72° |
| Telescoping conditions (%) | | | | | | | | | | | | | | | | | | | | |
| Telescoping mode | | I, II | | I | | I | | II | | I | | II | | I | | II | | II | | I, II |
| 2nd boom | | 0 | | 50 | | 100 | | 0 | | 100 | | 0 | | 100 | | 0 | | 50 | | 100 |
| 3rd boom | | 0 | | 0 | | 0 | | 33 | | 33 | | 66 | | 66 | | 100 | | 100 | | 100 |
| 4th boom | | 0 | | 0 | | 0 | | 33 | | 33 | | 66 | | 66 | | 100 | | 100 | | 100 |
| Top boom | | 0 | | 0 | | 0 | | 33 | | 33 | | 66 | | 66 | | 100 | | 100 | | 100 |

A: Boom length in feet
 B: Load radius in feet
 C: Loaded boom angle (°)
 D: Minimum boom angle (°) for indicated length (no load)

| LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON OUTRIGGERS MID EXTENDED 15' 9" (4.8m) SPREAD, 0lbs COUNTERWEIGHT, 360° ROTATION | | | | | | | | | | | | | | | | | | | | |
|--|-------|------|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| E | A | B | | | | | | | | | | | | | | | | | | |
| | 0 | 31.7 | 7,900 | | | | | | | | | | | | | | | | | |
| Telescoping mode | I, II | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

A: Boom length in feet
 B: Load radius in feet
 E: Boom angle (°)

NOTE: • The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-L) is based on the standard number of parts of line listed in the following table:
 • Standard number of parts of line for each boom length shall be according to the following table:

| Boom Length in Feet (meters) | 37.7' (11.5) | 37.7' to 51' (11.5 to 15.56) | 51' to 64.4' (15.56 to 19.62) | 64.4' to 91' (19.62 to 27.75) | 91' to 144.4' (27.75 to 44.0) | Single top Jib |
|------------------------------|--------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------|
| Number of parts of line | 16 | 12 | 10 | 5 | 4 | 1 |

GT-900XL RATED LIFTING CAPACITIES (IN POUNDS)

| ON OUTRIGGERS MIN EXTENDED 6' 9-7/8" (2.08m) SPREAD, 360° ROTATION | | | | | | |
|---|-------------------------|--------|--------|--------|-------|--------|
| Load Radius in Feet | 37.7' (11.5m) Boom | | | | | |
| | Counterweight in pounds | | | | | |
| | 16,500 | | 11,500 | | 0 | |
| | C | K | C | L | C | M |
| 10' | 68 | 57,600 | 68 | 48,300 | 68 | 28,300 |
| 12' | 65 | 41,300 | 65 | 34,100 | 65 | 18,800 |
| 15' | 60 | 27,400 | 60 | 22,100 | 60 | 10,700 |
| 20' | 50 | 15,300 | 50 | 11,600 | 50 | 3,600 |
| 25' | 38 | 8,800 | 38 | 6,000 | | |
| 30' | 21 | 4,900 | 21 | 2,500 | | |
| D | 0° | | 0° | | 36° | |
| Telescoping conditions (%) | | | | | | |
| Telescoping mode | I ,II | | I ,II | | I ,II | |
| 2nd boom | 0 | | 0 | | 0 | |
| 3rd boom | 0 | | 0 | | 0 | |
| 4th boom | 0 | | 0 | | 0 | |
| Top boom | 0 | | 0 | | 0 | |

C: Loaded boom angle (°)

D: Minimum boom angle (°) for indicated length (no load)

| LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON OUTRIGGERS MIN EXTENDED 6' 9-7/8" (2.08m) SPREAD | | | | | | |
|---|-------------------------|-------|--------|-------|-------|-------|
| Boom Angle | 37.7' (11.5m) Boom | | | | | |
| | Counterweight in pounds | | | | | |
| | 16,500 | | 11,500 | | 0 | |
| | B | | B | B | | |
| 0° | 31.7 | 4,400 | 31.7 | 2,200 | 31.7 | 1,100 |
| Telescoping mode | I ,II | | I ,II | | I ,II | |

B: Load radius in feet

NOTE: · The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-L) is based on the standard number of parts of line listed in the following table:
· Standard number of parts of line for each boom length shall be according to the following table.

| | |
|---------------------------------|-----------------|
| Boom Length in Feet (meters) | 37.7' (11.5) |
| Number of parts of line | 16 |

WARNING AND OPERATING INSTRUCTIONS FOR LIFTING CAPACITIES

GENERAL

1. RATED LIFTING CAPACITIES apply only to the machine as originally manufactured and normally equipped by TADANO LTD.
Modifications to the machine or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be hazardous if improperly operated or maintained. Operation and maintenance of this machine must be in compliance with information in the operation, safety and maintenance manual supplied with machine. If these manuals are missing, order replacements through the distributor.
3. The operator and other personnel associated with this machine shall fully acquaint themselves with the latest American National Standards Institute (ANSI) safety standards for cranes.

SET UP

1. Rated lifting capacities on the chart are the maximum allowable crane capacities and are based on the machine standing level on firm supporting surface under ideal job conditions. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger floats to spread the loads to a larger bearing surface.
2. For outrigger operation, outriggers shall be properly extended with tires free of supporting surface before operating crane. The front jack must be properly extended.
3. When operating crane on outriggers fully retracted, do not raise the boom more than limited boom angle by AML, and do not retract the boom more than limited boom length by AML. Loss of backward stability will occur causing a backward tipping condition.

OPERATION

1. Rated lifting capacities have been tested to and meet minimum requirements of SAE J1063-Cantilevered Boom Crane Structures Method of Test.
2. Rated lifting capacities do not exceed 85% of the tipping load on outriggers fully extended as determined by SAE J765-Crane Stability Test Code.
Rated lifting capacities for partially extended outriggers are determined from the formula, Rated Lifting Capacities = (Tipping Load - 0.1 x Tip Reaction)/1.25.
3. Rated lifting capacities above bold lines in the chart are based on crane strength and those below, on its stability. They are based on actual load radius increased by boom deflection.
4. The weight of handling device such as hook blocks, slings, etc., must be considered as part of the load and must be deducted from the lifting capacities.
5. Rated lifting capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, operating speeds, side loads, etc. Side pull on boom or jib is extremely dangerous.
6. Rated lifting capacities do not account for wind on lifted load or boom. Rated lifting capacities and boom length shall be appropriately reduced, when wind velocity is above 20 mph (9 m/sec.).
7. Rated lifting capacities at load radius shall not be exceeded. Do not tip the crane to determine allowable loads.
8. Do not operate at boom lengths, radii, or boom angle, where no capacities are shown. Crane may overturn without any load on the hook.
9. When boom length is between values listed, refer to the rated lifting capacities of the next longer and next shorter booms for the same radius. The lesser of the two rated lifting capacities shall be used.

10. When making lifts at a load radius not shown, use the next longer radius to determine allowable capacity.
11. Load per line should not exceed 12,300 lbs. (5,600kg) for main winch and auxiliary winch.
12. Check the actual number of parts of line with LOAD MOMENT INDICATOR (AML-L) before operation. Maximum lifting capacity is restricted by the number of parts of line of LOAD MOMENT INDICATOR (AML-L). Limited capacity is as determined from the formula, Single line pull for main winch (12,300 lbs.) x number of parts of line.
13. The boom angle before loading should be greater to account for deflection. For rated lifting capacities, the loaded boom angle and the load radius is for reference only.
14. The 37.7' (11.5m) boom length capacities are based on boom fully retracted. If not fully retracted [less than 51'(15.56m) boom length], use the rated lifting capacities for the 51' (15.56m) boom length.
15. Extension or retraction of the boom with loads may be attempted within the limits of the RATED LIFTING CAPACITIES. The ability to telescope loads is limited by hydraulic pressure, boom angle, boom length, crane maintenance, etc.
16. For lifting capacity of single top, reduce the rated lifting capacities of relevant boom according to a weight reductions for auxiliary load handling equipment. Capacities of single top shall not exceed 12,300 lbs. (5,600kg) including main hook.
17. When base jib or top jib or both jib removing, jib state switch select removed.
18. When erecting and stowing jib, be sure to retain it by hand or by other means to prevent its free movement.
19. Use "ANTI-TWO BLOCK" disable switch when erecting and stowing jib and when stowing hook block. While the switch is pushed, the hoist does not stop, even when overwind condition occurs.
20. For boom length less than 144.4' (44.0m) and longer than 117.7' (35.87m) with jib, rated lifting capacities are determined by loaded boom angle only in the column headed "144.4' (44.0m) boom + jib".
For boom length less than 117.7' (35.87m) with jib, rated lifting capacities are determined by loaded boom angle only in the column headed "117.7' (35.87m) boom + jib". For angles not shown, use the next lower loaded boom angle to determine allowable capacity.
21. When lifting a load by using jib (aux. winch) and boom (main winch) simultaneously, do the following:
 - Enter the operation status as jib operation, not as boom operation.
 - Before starting operation, make sure that mass of load is within rated lifting capacity for jib.
22. Before telescoping the boom, set the telescoping mode selector switch to MODE I or MODE II with the boom fully retracted. A change of the telescoping mode is not permissible when the boom has been partially or fully extended.

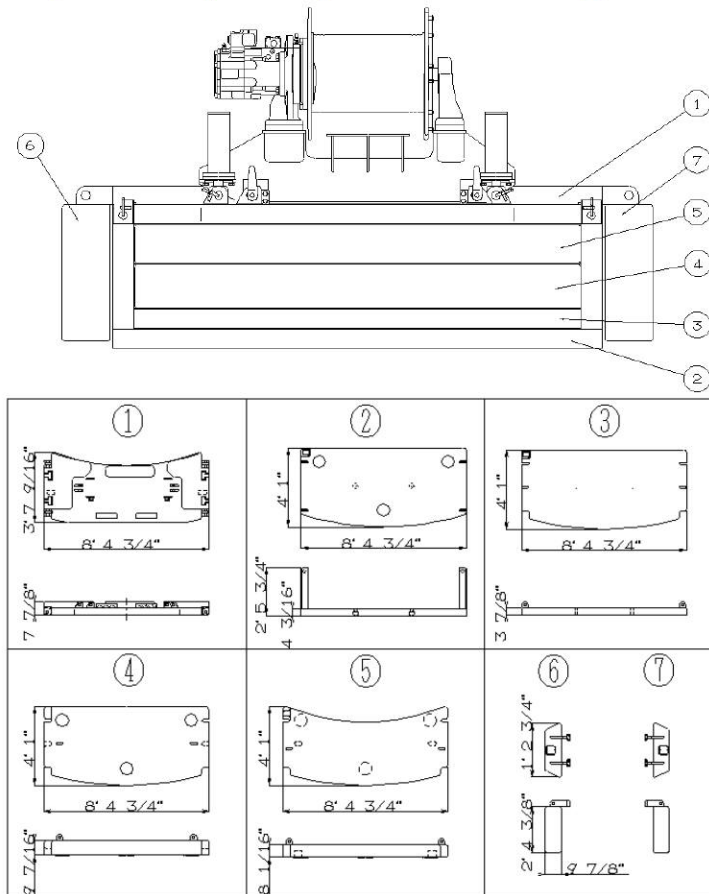
DEFINITIONS

1. Load Radius: Horizontal distance from a projection of the axis of rotation to supporting surface before loading to the center of the vertical hoist line or tackle with load applied.
2. Loaded Boom Angle: The angle between the boom base section and the horizontal, after lifting the rated lifting capacity at the load radius.
3. Working Area: Area measured in a circular arc about the centerline of rotation.
4. Freely Suspended Load: Load hanging free with no direct external force applied except by the hoist line.
5. Side Load: Horizontal side force applied to the lifted load either on the ground or in the air.

WARNING AND OPERATING INSTRUCTIONS FOR USING THE LOAD MOMENT INDICATOR (AML-L)

- When operating crane on outriggers:
 - Set Starter switch to "ON" .
 - Press the outrigger mode select key to register for the outrigger operation. Press the set key, then the outrigger mode indicative symbol changes from flickering to lighting.
 - Press the boom mode select key to register the boom mode, then the boom mode indicative symbol changes from lighting to flickering. Each time the boom mode select key is pressed, the mode changes. Press the set key to select the status that corresponds to the actual state of the boom, then the boom mode indicative symbol changes from flickering to lighting.
 - When erecting and stowing jib, select the status of jib set (jib state indicative symbol flicker).
- A swing does not automatically stop even if the crane becomes overloaded.
- During crane operation, make sure that the displays on front panel are in accordance with actual operating conditions.
- The displayed values of LOAD MOMENT INDICATOR (AML-L) are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, operating speed, side loads, etc.
For safe operation, it is recommended when extending and lowering boom or swinging, lifting loads shall be appropriately reduced.
- LOAD MOMENT INDICATOR (AML-L) is intended as an aid to the operator. Under no condition should it be relied upon to replace use of capacity charts and operating instruction. Sole reliance upon LOAD MOMENT INDICATOR (AML-L) aids in place of good operating practice can cause an accident. The operator must exercise caution to assure safety.

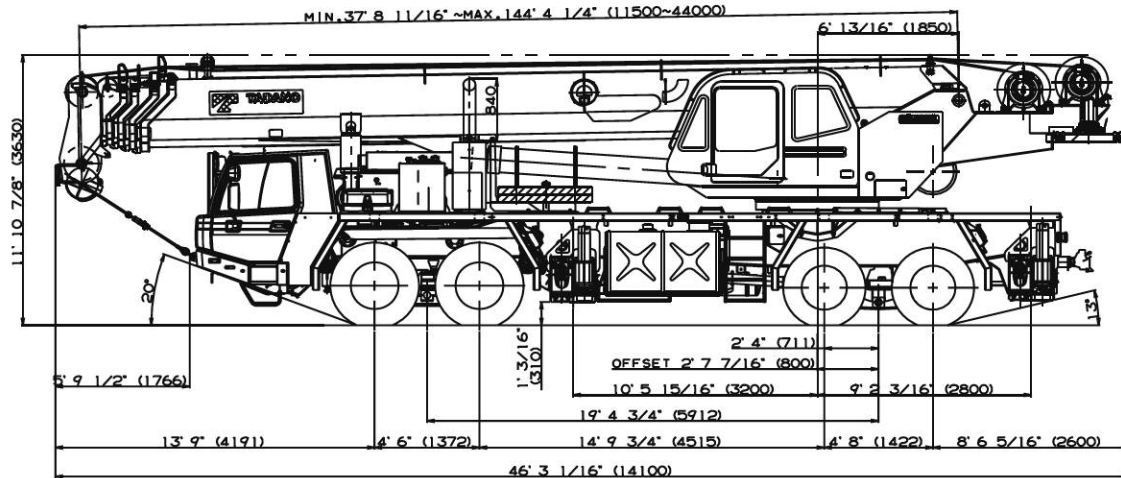
Mounting the 39,500 lb (17.9t) counterweight



| Counterweight Modules | 1 6,000 lb | 2 5,500 lb | 3 5,000 lb | 4 10,500 lb | 5 8,000 lb | 6 2,250 lb | 7 2,250 lb |
|-----------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|
| 0 lb | | | | | | | |
| 11,500 lb | X | X | | | | | |
| 16,500 lb | X | X | X | | | | |
| 35,000 lb | X | X | X | X | X | | |
| 39,500 lb | X | X | X | X | X | X | X |

GT-900XL Axle weight distribution chart

1) Boom Over Front configuration

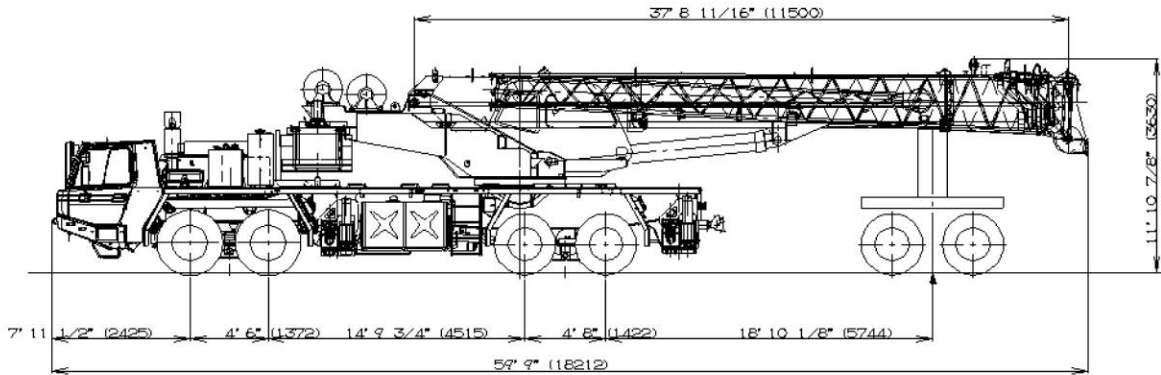


| Base machine with 105.7gal.(400L)fuel and no counterweight. | | Pounds | | | Kilograms | | |
|---|--|--------|--------|--------|-----------|--------|--------|
| | | GVW | Front | Rear | GVW | Front | Rear |
| | | 88,415 | 43,321 | 45,094 | 40,104 | 19,650 | 20,454 |
| Remove | 1. Auxiliary hoist with 436' (133m) of 3/4" (19mm) | -1,690 | 530 | -2,220 | -766 | 241 | -1,007 |
| | 2. Top jib (25.6') | -670 | -460 | -210 | -306 | -210 | -96 |
| | 3. Base jib (32.5') | -1,920 | -2,190 | 270 | -872 | -993 | 121 |
| | 4. Auxiliary lifting sheave | -110 | -190 | 80 | -50 | -88 | 38 |
| Add | 1. Counter weight 6,000lb on upper | 5,840 | -2,720 | 8,560 | 2,648 | -1,234 | 3,882 |
| | 2. Counter weight 6,000lb on upper + 5,500lb to carrier deck | 11,200 | 1,230 | 9,970 | 5,080 | 557 | 4,523 |
| | 3. Counter weight 6,000lb on upper + 5,500lb + 5,000lb to carrier deck | 16,350 | 5,020 | 11,330 | 7,413 | 2,275 | 5,138 |
| | 4. 6.2 ton (5.6 metric ton) hook ball | 291 | 340 | -49 | 132 | 154 | -22 |

Permissible Axle Load

| | Pounds | | | Kilograms | | |
|-----------------------|---------|--------|--------|-----------|--------|--------|
| | GVW | Front | Rear | GVW | Front | Rear |
| Permissible axle load | 105,800 | 48,500 | 57,300 | 48,000 | 22,000 | 26,000 |

2) Traveling with boom dolly(Boom over rear configuration)



| Base machine with 105.7gal.(400L)fuel and no counterweight. | | Pounds | | | | Kilograms | | | |
|---|---|--------|--------|--------|--------|-----------|--------|--------|-------|
| | | GVW | Front | Rear | Dolly | GVW | Front | Rear | Dolly |
| | | 88,415 | 31,894 | 39,428 | 17,093 | 40,104 | 14,467 | 17,884 | 7,753 |
| Remove | 1. Auxiliary hoist with 436' (133m) of 3/4" (19mm) | -1,690 | -990 | -700 | 0 | -767 | -449 | -318 | 0 |
| | 2. Top jib (25.6') | -670 | -130 | -160 | -380 | -303 | -59 | -72 | -172 |
| | 3. Base jib (32.5') | -1,920 | -120 | -150 | -1,650 | -870 | -54 | -68 | -748 |
| | 4. Auxiliary lifting sheave | -110 | 30 | 40 | -180 | -50 | 14 | 18 | -82 |
| Add | 1. Counter weight 6,000lb on upper | 5,840 | 4,300 | 1,540 | 0 | 2,648 | 1,950 | 698 | 0 |
| | 2. Counter weight 5,500lb on carrier deck | 5,360 | 3,950 | 1,410 | 0 | 2,431 | 1,792 | 639 | 0 |
| | 3. Counter weight 5,000lb on carrier deck | 5,150 | 3,790 | 1,360 | 0 | 2,336 | 1,719 | 617 | 0 |
| | 4. Counter weight 10,500lb on boom dolly | 10,710 | 0 | 0 | 10,710 | 4,858 | 0 | 0 | 4,858 |
| | 5. Counter weight 8,000lb on boom dolly | 8,040 | 0 | 0 | 8,040 | 3,647 | 0 | 0 | 3,647 |
| | 6. Counter weight 2,250lb on boom dolly | 2,205 | 0 | 0 | 2,205 | 1,000 | 0 | 0 | 1,000 |
| | 7. Counter weight 2,250lb on boom dolly | 2,205 | 0 | 0 | 2,205 | 1,000 | 0 | 0 | 1,000 |
| | 8. Nelson 2-axle boom dolly | 6,000 | 0 | 0 | 6,000 | 2,722 | 0 | 0 | 2,722 |
| | 9. Nelson 3-axle boom dolly | 9,000 | 0 | 0 | 9,000 | 4,082 | 0 | 0 | 4,082 |
| | 10. 6.2 ton (5.6 metric ton) hook ball at boom head | 291 | -35 | -42 | 368 | 132 | -16 | -19 | 167 |

| Counterweight load transfer | | Pounds | | | Kilograms | | |
|-----------------------------|---|--------|--------|-------|-----------|------|-------|
| | | Front | Rear | Dolly | Front | Rear | Dolly |
| Transfer | 1. Counter weight 6,000lb on upper to boom dolly | -4,300 | -1,540 | 5,840 | -1,950 | -698 | 2,649 |
| | 2. Counter weight 5,500lb on carrier deck to boom dolly | -3,950 | -1,410 | 5,360 | -1,792 | -639 | 2,431 |
| | 3. Counter weight 5,000lb on carrier deck to boom dolly | -3,790 | -1,360 | 5,150 | -1,719 | -617 | 2,336 |

