



# TEREX RT 500 SERIES

## Rough Terrain Cranes



### FEATURES

- **50-55 tons (45-50 mt)**  
maximum lifting capacity
- **110 ft. (33.5 m)**  
maximum boom length
- **170 ft. (51.8 m)**  
maximum tip height
- Four-section full power,  
mechanically synchronized boom  
with single lever control
- Swingaway jib offsettable  
0°, 15° or 30°
- Two-speed main and auxiliary  
winches
- Quick-reeving boom head and  
hook block
- Fully independent multi-position out  
and down outriggers
- Environmental operator's cab  
optimizes load visibility and  
productivity
- RCI 510 Rated Capacity Indicator
- Easy to read load chart books  
include range diagrams
- 12-month or 2000 hours warranty,  
major weldments are 5-years or  
10,000 hours

simple, available and  
cost effective™

Machines shown may have optional equipment.





## TEREX RT 500 SERIES

### Rough Terrain Cranes

RT 550 – 50 tons (45 mt)

RT 555 – 55 tons (50 mt)

### 110 ft. (33.5 m) FOUR-SECTION, FULL-POWER, MECHANICALLY SYNCHRONIZED BOOM WITH SINGLE LEVER CONTROL

- High strength, four plate construction welded inside and out with stamped impressions to reduce weight.
- Single boom hoist cylinder provides boom elevation of -4° to 76° for easier reeving changes and close radius operation.
- Quick-reeving boom head; no need to remove wedge and socket from rope.
- 360° house lock standard.

### ENVIRONMENTAL OPERATOR'S CAB

- Rated Capacity Indicator (RCI) system including anti-two block system with automatic function disconnects.
- Deluxe six-way adjustable operator's seat has mechanical suspension and adjustable head and arm rests.
- Sound and weather insulated for comfort.
- Removable front window, hinged tinted glass skylight, and sliding right-hand window.
- Dash-mounted controls for swing, boom telescope, boom hoist, and single lever two-speed main winch; pedals for swing brake and boom hoist. Foot accelerator with hand throttle.
- Complete instrumentation. Environmentally-sealed rocker switches. Circuit breakers in cab.



### RUGGED, EASY-TO-MANEUVER CARRIER

- Box-type chassis construction with reinforcing cross members.
- Full power-shift transmission with integral torque converter; neutral safety start; 6 speeds forward 3 reverse.
- Hydraulic four-wheel power steering for 2-wheel, 4-wheel or crab steer.
- Split system air brakes on all four wheels
- Fully independent hydraulic outriggers may be utilized fully extended to 22 ft. (6.91 m), in their 1/2 extended position, or fully retracted.
- Tail swing only 11' 6" (3.5 m).
- Standard Cummins 6BTA5.9 diesel engine.
- Earthmover style 26.50 x 25, 26 P.R. tires standard.
- Rear axle centering light standard.

### POWERFUL, TWO-SPEED WINCHES

- 533 fpm (163 m/min) maximum line speed, 15,639 lbs. (7093 kg) maximum line pull. 11,250 lbs. (5102 kg) permissible line pull.
- Integral automatic brake.
- Electronic drum indicators.
- Winch drum rollers, grooved drum, tapered drum flanges.

### HIGH CAPACITY, DEPENDABLE HYDRAULIC SYSTEM

- Three gear pumps driven off the transmission. Combined system capability is 119 gpm (450 lpm).
- Hydraulic reservoir with 112 gal. (424 l) capacity and full flow oil filtration system.

### OPTIONS INCLUDE:

- 32 ft. or 33 to 57 ft. (9.68 or 10.15 to 17.30 m) swing-on jib. Both offset 0°, 15° or 30°.
- Auxiliary winch with rope.
- Heater/defroster, air conditioner.
- Cold weather starting aid.
- 21.00 x 25, 28 P.R. tires.
- CAT 3116 diesel engine.

For more information, product demonstration, or details on purchase, lease and rental plans, please contact your local Terex Cranes Distributor.

We reserve the right to amend these specifications at any time without notice. The only warranty applicable is our standard written warranty applicable to the particular product and sale. We make no other warranty, expressed or implied.



## TEREX CRANES

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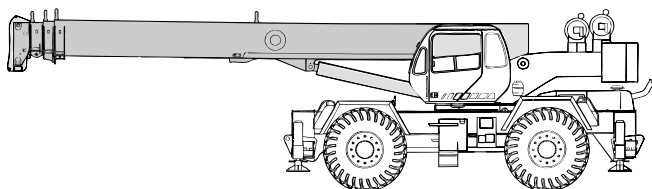
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# TEREX RT 500 SERIES

rough terrain crane  
specifications



## STANDARD BOOM EQUIPMENT

### BOOM

35-110 ft. (10.67-33.53 m), four section full power boom. Telescoping is mechanically synchronized with single lever control. The synchronization system consists of a single telescope cylinder and high strength leaf chains to extend and retract the third section and the tip section. The boom is a high-strength four plate design, welded inside and out with anti-friction slide pads. Boom side plates are made with stamped impressions to reduce weight and increase strength. A single boom hoist cylinder provides for boom

elevation of -4 to 76 degrees. Maximum tip height 115 ft. (35.05 m).

### BOOM HEAD

Welded to fourth section of boom. Five or six metallic load sheaves and two idler sheaves mounted on heavy duty, anti-friction bearings. Quick reeving boom head. Provision made for side-stow jib mounting.

## OPTIONAL BOOM EQUIPMENT

### JIBS

32 ft. (9.68 m) side stow swing-on one-piece lattice type jib. Single metallic sheave mounted on anti-friction bearing. Jib is offsettable at 0°, 15°, or 30°. Maximum tip height is 146 ft. (44.50 m).

33-57 ft. (10.15-17.30 m) side stow swing-on lattice type jib. Single sheave mounted on anti-friction bearing. Jib is extendible to 57 ft. (17.30 m) by means of a 25 ft. (7.62 m) manual pull-out tip section, roller supported for ease of extension. Jib is offsettable at 0°, 15°, or 30°. Maximum tip height is 170 ft. (51.82 m).

### AUXILIARY BOOM HEAD

Removable auxiliary boom head has single metallic sheave mounted on anti-friction bearing. Removable pin-type rope guard for quick reeving. Installs on main boom peak only. Removal is not required for job use.

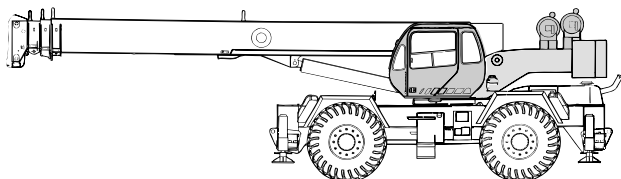
### HOOK BLOCK

Five or six metallic sheaves on anti-friction bearings with hook and hook latch. Quick reeving design does not require removal of wedge and socket from rope.

### HOOK & BALL

7 ton (6.3 mt) top swivel ball with hook and hook latch.





## STANDARD UPPERSTRUCTURE EQUIPMENT

### UPPERSTRUCTURE FRAME

All welded one-piece structure fabricated with high tensile strength alloy steel. Counterweight is bolted to frame.

### TURNTABLE CONNECTION

Swing bearing is a single row, ball-type, with internal teeth. The swing bearing is bolted to revolving upperstructure and to the carrier frame.

### SWING

A hydraulic motor drives a double planetary reduction gear for precise and smooth swing function. Swing speed (no load) is 2.8 rpm.

### SWING BRAKE

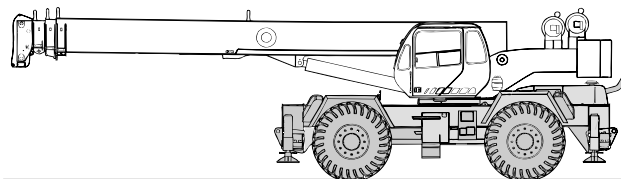
Heavy duty multiple disc swing brake is mechanically actuated from operator's cab by foot pedal. Brake may be locked on or used as a momentary brake. A 360° mechanical house lock is standard.

### RATED CAPACITY INDICATOR

Rated Capacity Indicator with visual and audible warning system and automatic function disconnects. Second generation pictographic display includes: boom radius, boom angle, boom length, allowable load, actual load, and percentage of allowable load registered by bar graph. Operator settable alarms provided for swing angle, boom length, boom angle, tip height, and work area exclusion zone. Anti-two block system includes audio/visual warning and automatic function disconnects.

### OPERATOR'S CAB

Environmental cab with all steel construction, optimum visibility, tinted safety glass throughout, and rubber floor matting is mounted on vibration absorbing pads. The cab has a sliding door on the left side, framed sliding window on the right side, hinged tinted all glass skylight and removable front windshield to provide



optimum visibility of the load open or closed. Acoustical foam padding insulates against sound and weather. The deluxe six-way adjustable seat is equipped with a mechanical suspension and includes head and arm rests.

### CONTROLS

All control levers and pedals are positioned for efficient operation. Hand operated control levers include swing, boom telescope, boom hoist, winch(s), 360° house lock, shift, and vernier adjustable hand throttle. Switches include ignition, engine stop, two-speed winch(s), lights, horn, windshield wipers, defroster, steering mode, parking brake, and outrigger controls. Foot control pedals include swing brake, boom raise, boom lower, service brakes and accelerator.

### INSTRUMENTATION AND ACCESSORIES

In-cab gauges include air pressure, bubble level, tachometer, engine oil pressure, fuel, engine temperature, voltmeter, transmission temperature, and transmission oil pressure. Indicators include low air, high water temperature/low oil pressure/high transmission temperature audio/visual warning, low coolant audio/visual warning, hoist drum rotation indicator(s), and Rated Capacity Indicator. Accessories include fire extinguisher; light package including headlights, tail lights, brake lights, directional signals, four-way hazard flashers, dome light, and back-up lights with audible back-up alarm; windshield washer/wiper; skylight wiper; R.H. and L.H. rear view mirrors; dash lights; and seat belt. Circuit breakers protect electrical circuits.

### HYDRAULIC CONTROL VALVES

Valves are mounted on the rear of the upperstructure and are easily accessible. Valves are mechanically operated and include one pressure compensated two spool valve for boom elevation and telescope, one pressure compensated two spool valve for main and auxiliary winch, and one single spool valve for swing. Quick disconnects are provided for ease of installation of pressure check gauges.

### OPTIONAL EQUIPMENT

Auxiliary Winch • Heater/Defroster • Hydraulically powered Air Conditioner with or without hydraulic heater • LP or Diesel Heater/Defroster • Work Lights • Rotating Beacon

## STANDARD CARRIER EQUIPMENT

### CARRIER CHASSIS

Chassis is Terex designed with four-wheel drive and four-wheel steer (4x4x4). Has box-type construction with reinforcing cross members, a precision machined turntable mounting plate and integrally welded outrigger boxes. Decking has anti-skid surfaces, including between the frame rails lockable front tool storage compartment, and access steps and handles on the left and right sides and on all four corners.

### AXLES AND SUSPENSION

Rear axle is a planetary drive/steer type with 10.5 in (0.26 m) of total oscillation. Automatic oscillation lockouts engage when the superstructure is swung 10° in either direction. Front axle is a planetary drive/steer type, rigid mounted to the frame for increased stability.

### STEERING

Hydraulic four-wheel full power steering for two-wheel, four-wheel coordinated, or four-wheel crab steer is easily controlled by steering wheel. A rear axle centering light is provided.

Turning radius to center of outside tire.

|            | (standard tires) | (optional tires) |
|------------|------------------|------------------|
| Two-wheel  | 40' 4" (12.3 m)  | 40' 0" (12.2 m)  |
| Four-wheel | 23' 4" (7.1 m)   | 23' 0" (7.0 m)   |

### TRANSMISSION

Power-shift transmission with integral torque converter has neutral safety start, 6 speeds forward, and 3 speeds reverse provides wide ratio coverage. Automatic pulsating back-up alarm.





## STANDARD CARRIER EQUIPMENT (continued)

### MULTI-POSITION OUT & DOWN OUTRIGGERS

Fully independent hydraulic outriggers may be utilized fully extended to 22 ft. (6.71 m) centerline to centerline, in their 1/2 extended position, or fully retracted for maximum flexibility. Easily removable steel floats, each with an area of 254 in<sup>2</sup> (1639 cm<sup>2</sup>), stow on the outrigger boxes at their point of use. Complete controls and a sight leveling bubble are located in the operator's cab.

### WHEELS & TIRES

Disc type wheels with full tapered bead seat rim. 150.50 in (3.82 m) wheelbase.

### TIRES

Wide earthmover (E3) style tread tires provide life and flotation.  
26.50x25, 26 P.R. - std.  
21.00x25, 28 P.R. opt.

### SERVICE BRAKES

Split system air brakes on all four wheels; 20 1/4" x 4" (51.43x10.2 cm) wedge type drum brakes.

### PARKING BRAKE

Front and rear axles equipped with spring-set, air-released emergency/parking chambers acting on service brakes.

### OPTIONAL EQUIPMENT

Cold Weather Starting Aid • Immersion Heater • Pintle Hook  
• Clearance Lights • Independent Rear or Four Mode Rear Wheel Steer • 20,000 lb (9072 kg) line pull front mounted winch

## HYDRAULIC SYSTEM

### HYDRAULIC PUMPS

Three gear type pumps, one single and two in tandem, driven off the transmission. Combined system capability is 119 gpm (450 lpm). Includes pump disconnect on tandem pump.

#### Main and Auxiliary Winch Pump

59.5 gpm (225.2 lpm) @ 3,500 psi (246.1 kg/cm<sup>2</sup>)

#### Boom Hoist, Telescope Pump

38.5 gpm (145.7 lpm) @ 3,500 psi (246.1 kg/cm<sup>2</sup>)

#### Power Steering, Outrigger and Swing Pump

21 gpm (79.5 lpm) @ 2,500 psi (175 kg/cm<sup>2</sup>)

### FILTRATION

Full flow oil filtration system with bypass protection includes a removable 60 mesh (250 micron) suction screen-type filter and 5 micron replaceable return line filter.

### HYDRAULIC RESERVOIR

All steel, welded construction with internal baffles and diffuser. Provides easy access to filters and is equipped with an external sight level gauge. The hydraulic tank is pressurized to aid in keeping out contaminants and in reducing potential pump cavitation. Capacity is 112 gal (424 liters). Hydraulic oil cooler is standard.

## MAIN WINCH SPECIFICATIONS

Hydraulic winch with bent axis piston motor and planetary reduction gearing provides 2-speed operation with equal speeds for power up and down. Winch is equipped with an integral automatic brake, grooved drum, tapered flanges, standard cable roller on drum, and an electronic drum rotation indicator.

### PERFORMANCE

Max. line speed (no load)

|             |                      |                       |
|-------------|----------------------|-----------------------|
| First layer | 184 fpm (56.1 m/min) | 369 fpm (112.5 m/min) |
| Fifth layer | 266 fpm (81.1 m/min) | 533 fpm (162.5 m/min) |

Max. line pull-first layer 15,639 lbs (7093 kg) 7,298 lbs (3310 kg)

Max. line pull-first layer 10,827 lbs (4911 kg) 5,052 lbs (2291 kg)

Permissible line pull 11,250 lbs (5102 kg)

### DRUM DIMENSIONS

10.62 in (270 mm) drum diameter  
22.42 in (570 mm) length  
20.0 in (508 mm) flange dia.  
Cable: 5/8 in. x 500 ft (16 mm x 152.4 m)  
Cable type: 5/8 in. (16 mm) 6 x 19 IWRC, XIPS, right regular lay, preformed.

### DRUM CAPACITY

Max. Storage: 939 ft (286.2 m)  
7th layer not a working layer  
Max. Useable: 772 ft (235.3 m)\*  
\*Based on minimum flange height above top layer to comply with ANSI B30.5

### OPTIONAL AUX. WINCH

Hydraulic 2-speed winch with bent axis piston motor, equal speed power up and down, planetary reduction with integral automatic brake, grooved drum with tapered flanges, drum roller, and rotation indicator.

#### Performance

Max. line speed (no load)

Fifth layer 533 fpm (162.5 m/min)

Max. line pull

First layer 15,639 lbs (7,093 kg)

#### Drum Dimensions and Capacity

(Same as main winch)

### OPTIONAL HOIST LINE

**MAIN WINCH AND OPTIONAL AUXILIARY WINCH**  
5/8" (16 mm) rotation resistant compacted strand 34 x 7. Min. breaking strength 28.21 tons (25.59 mt).

## ENGINE SPECIFICATIONS

| Make and Model    | Cummins 6BTA5.9                | Caterpillar 3116 DITA          |
|-------------------|--------------------------------|--------------------------------|
| Type              | 6 cylinder                     | 6 cylinder                     |
| Bore and Stroke   | 4.02 x 4.72 in (102x120 mm)    | 4.12 x 5.0 in (105x127 mm)     |
| Displacement      | 359 cu in (5.9 l)              | 402 cu in (6.6 l)              |
| Gross HP          | 174 hp (130 kw) @ 2500 rpm     | 175 hp (130 kw) @ 2400 rpm     |
| Gross Torque      | 480 lb•ft (651 N•m) @ 1500 rpm | 482 lb•ft (654 N•m) @ 1450 rpm |
| Aspiration        | turbocharged & aftercooled     | turbocharged & aftercooled     |
| Air Filter        | dry type                       | dry type                       |
| Electrical System | 12 volt                        | 12 volt                        |
| Alternator        | 102 amp                        | 115 amp                        |
| Battery           | (2) 12V-1600 CCA               | (2) 12V-1600 CCA               |
| Fuel Capacity     | 50 gal (189 l)                 | 50 gal (189 l)                 |

## PERFORMANCE (Standard Engine)

| Transmission Gear | Forward Drive | Maximum Speed         | Maximum Tractive Effort | Gradeability @ Stall |
|-------------------|---------------|-----------------------|-------------------------|----------------------|
| 1                 | 4-wheel       | 2.4 mph<br>3.9 km/h   | 60,538 lbs<br>27 460 kg | 127.6%               |
| 2                 | 4-wheel       | 4.2 mph<br>6.8 km/h   | 34,255 lbs<br>15 538 kg | 48.5%                |
| 3                 | 4-wheel       | 5.6 mph<br>9.0 km/h   | 26,061 lbs<br>11 821 kg | 34.7%                |
| 4                 | 2-wheel       | 9.8 mph<br>15.8 km/h  | 14,765 lbs<br>6697 kg   | 18.0%                |
| 5                 | 2-wheel       | 13.9 mph<br>22.4 km/h | 10,410 lbs<br>4722 kg   | 12.0%                |
| 6                 | 2-wheel       | 24.1 mph<br>38.8 km/h | 5,960 lbs<br>2703 kg    | 5.9%                 |

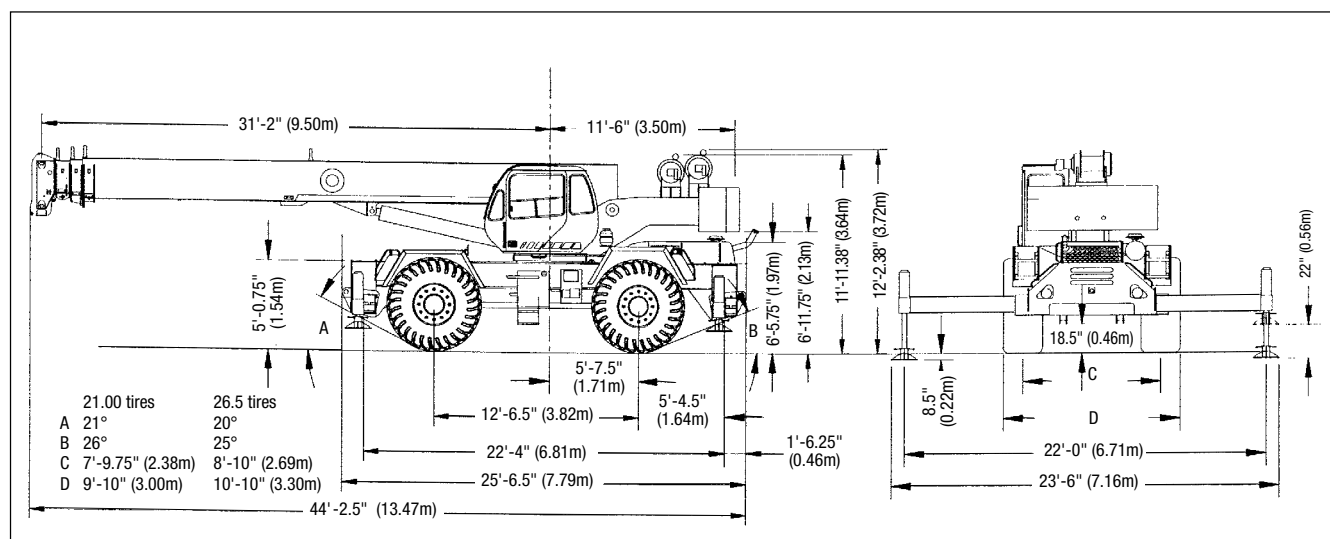
All performance data is based on a gross vehicle weight of 75,000 lbs (34 014 kg), 26.5x25 tires, 4x4 drive. Performance may vary due to engine performance. Gradeability data is theoretical and is limited by tire slip, stability, or oil pan design.



## GENERAL DIMENSIONS

NOTES:

1. Dimensions given assume the boom is fully retracted in travel position and 26.50x25 tires.
2. Minimum ground clearance under:  
transmission - 25.25"  
axle bowls - 22.25"  
tie rods - 25.5"



| WEIGHTS & AXLE LOADS                                | GROSS WEIGHT<br>LBS. | UPPER FACING FRONT |        | GROSS WEIGHT<br>KG. | UPPER FACING FRONT |        |
|-----------------------------------------------------|----------------------|--------------------|--------|---------------------|--------------------|--------|
|                                                     |                      | FRONT              | REAR   |                     | FRONT              | REAR   |
| Basic Crane with 14,200 lb. (6440 kg) Counterweight | 76,832               | 40,040             | 36,792 | 34 850              | 18 162             | 16 688 |
| <b>Add Options:</b>                                 |                      |                    |        |                     |                    |        |
| 32' (9.68 m) Swing-on jib (Stowed)                  | + 1,260              | +2,130             | - 870  | + 572               | + 966              | - 394  |
| 33'-57' (10.15-17.30 m) Swing-On Jib (Stowed)       | + 2,160              | +3,600             | -1,440 | + 980               | + 1,633            | - 653  |
| Auxiliary Boom Head                                 | + 100                | + 300              | - 230  | + 45                | + 136              | - 91   |
| Auxiliary Winch Controls and Plumbing Only          | + 75                 | + 0                | + 75   | + 34                | + 0                | + 34   |
| Aux. Winch with Wire Rope, Controls, Etc.           | + 264                | - 60               | + 204  | + 120               | - 27               | + 93   |
| 50T (45.3 mt) 6-Sheave Hook Block                   | + 755                | +1,130             | - 375  | + 342               | + 512              | - 170  |
| 50T (45.3 mt) 5-Sheave Hook Block                   | + 723                | +1,080             | - 357  | + 328               | + 490              | - 162  |
| 22T (20 mt) 2-Sheave Hook Block                     | + 580                | + 870              | - 290  | + 263               | + 395              | - 132  |
| 6.25T Hook and Ball (In tool box)                   | + 240                | + 290              | - 50   | + 109               | + 130              | - 21   |
| Pintle Hook:                                        |                      |                    |        |                     |                    |        |
| Front                                               | + 45                 | + 60               | - 15   | + 20                | + 27               | - 7    |
| Rear                                                | + 45                 | - 25               | + 70   | + 20                | - 11               | + 31   |
| <b>Substitute:</b>                                  |                      |                    |        |                     |                    |        |
| 21.00 x 25 28 PR Tires                              | - 400                | - 200              | - 200  | - 182               | - 91               | - 91   |
| 500' of 34x7 class spin resistant wire rope         | + 65                 | - 42               | + 107  | + 30                | + 19               | + 49   |

NOTE: Weights are for Terex supplied equipment and are subject to 2% variation due to manufacturing tolerances.

WE RESERVE THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE. THE ONLY WARRANTY APPLICABLE IS OUR STANDARD WRITTEN WARRANTY APPLICABLE TO THE PARTICULAR PRODUCT AND SALE. WE MAKE NO OTHER WARRANTY, EXPRESSED OR IMPLIED.



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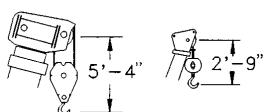
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# TEREX RT 555

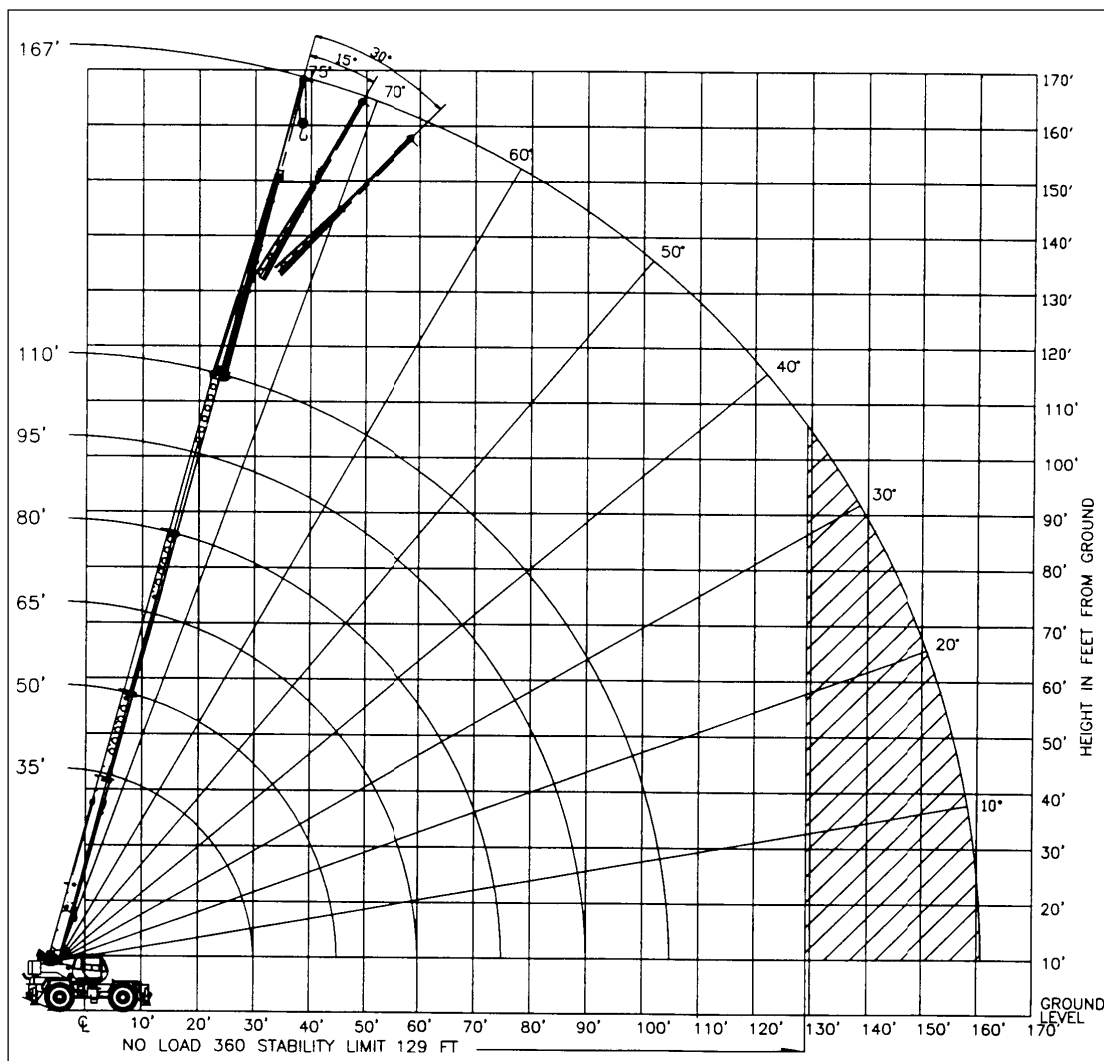
rough terrain crane  
55 ton capacity

range diagram & lifting capacities

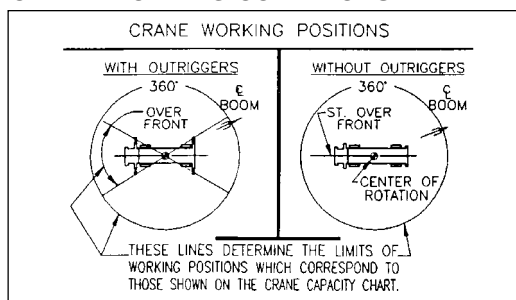


DIMENSIONS ARE FOR  
LARGEST FACTORY  
FURNISHED HOOK BLOCK  
AND HOOK & BALL,  
WITH ANTI-TWO BLOCK  
ACTIVATED

Range  
Diagram  
(33' - 110' boom)



## CRANE WORKING CONDITIONS



## REDUCTION IN MAIN BOOM CAPACITY

All Jibs in Stowed Position \_\_\_\_\_ 0 Lbs.  
Aux. Boom in Head Sheave \_\_\_\_\_ 100 Lbs.

## HOOK BLOCK WEIGHTS

Hook & Ball \_\_\_\_\_ 239 Lbs.  
Hook Block (4 Sheave) \_\_\_\_\_ 690 Lbs.  
Hook Block (5 Sheave) \_\_\_\_\_ 888 Lbs.  
Hook Block (6 Sheave) \_\_\_\_\_ 913 Lbs.





## Lifting Capacities – Pounds (33' – 110' boom)

### MODEL RT 555

COUNTERWEIGHT:  
W/AUX. WINCH 13,100 LBS.  
W/O AUX. WINCH 14,200 LBS.  
BOOM LENGTH 33-110 FT.  
OUTRIGGER SPREAD 22 FT.

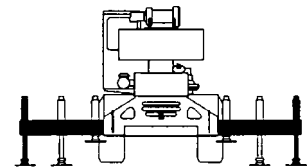
STABILITY PCT.  
ON OUTRIGGERS 85%  
ON TIRES 75%  
PCSA CLASS 10-210



**CAUTION:** Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change.

#### ON OUTRIGGERS - FULLY EXTENDED

| LOAD<br>RADIUS<br>(FT) | BOOM LENGTH 35 FT      |                                 |              | BOOM LENGTH 50 FT      |                                 |              | BOOM LENGTH 65 FT      |                                 |              | LOAD<br>RADIUS<br>(FT) |
|------------------------|------------------------|---------------------------------|--------------|------------------------|---------------------------------|--------------|------------------------|---------------------------------|--------------|------------------------|
|                        | BOOM<br>ANGLE<br>(DEG) | LOADED<br>OVER<br>FRONT<br>(LB) | 360°<br>(LB) | BOOM<br>ANGLE<br>(DEG) | LOADED<br>OVER<br>FRONT<br>(LB) | 360°<br>(LB) | BOOM<br>ANGLE<br>(DEG) | LOADED<br>OVER<br>FRONT<br>(LB) | 360°<br>(LB) |                        |
| 10                     | 66.7                   | 110,000*                        | 110,000*     | 73.9                   | 60,100*                         | 60,100*      |                        |                                 |              | 10                     |
| 12                     | 63.1                   | 96,700*                         | 93,700*      | 71.5                   | 60,100*                         | 60,100*      |                        |                                 |              | 12                     |
| 15                     | 57.5                   | 75,200*                         | 73,100*      | 67.9                   | 60,100*                         | 60,100*      |                        |                                 |              | 15                     |
| 20                     | 47.1                   | 53,600*                         | 52,300*      | 61.5                   | 54,900*                         | 53,600*      | 68.5                   | 52,200*                         | 52,200*      | 20                     |
| 25                     | 34.5                   | 40,700*                         | 39,700*      | 54.8                   | 42,000*                         | 41,100*      | 63.7                   | 42,700*                         | 41,700*      | 25                     |
| 30                     | 14.8                   | 31,900*                         | 31,200*      | 47.4                   | 33,400*                         | 32,700*      | 58.6                   | 34,100*                         | 33,400*      | 30                     |
| 35                     | **                     |                                 |              | 39.0                   | 27,300*                         | 26,700*      | 53.3                   | 28,000*                         | 27,400*      | 35                     |
| 40                     |                        |                                 |              | 28.8                   | 22,000                          | 21,000       | 47.6                   | 22,700                          | 21,700       | 40                     |
| 45                     |                        |                                 |              | 12.4                   | 17,400                          | 16,500       | 41.3                   | 18,300                          | 17,400       | 45                     |
| 50                     |                        |                                 |              | **                     |                                 |              | 34.1                   | 14,900                          | 14,200       | 50                     |
| 55                     |                        |                                 |              |                        |                                 |              | 25.2                   | 12,300                          | 11,700       | 55                     |
| 60                     |                        |                                 |              |                        |                                 |              | 10.9                   | 10,100                          | 9,600        | 60                     |
| 65                     |                        |                                 |              |                        |                                 |              | **                     |                                 |              | 65                     |
| 70                     |                        |                                 |              |                        |                                 |              |                        |                                 |              | 70                     |
| 75                     |                        |                                 |              |                        |                                 |              |                        |                                 |              | 75                     |
| 80                     |                        |                                 |              |                        |                                 |              |                        |                                 |              | 80                     |
| 85                     |                        |                                 |              |                        |                                 |              |                        |                                 |              | 85                     |
| 90                     |                        |                                 |              |                        |                                 |              |                        |                                 |              | 90                     |
| 95                     |                        |                                 |              |                        |                                 |              |                        |                                 |              | 95                     |
| 100                    |                        |                                 |              |                        |                                 |              |                        |                                 |              | 100                    |
| 105                    |                        |                                 |              |                        |                                 |              |                        |                                 |              | 105                    |
| 110                    |                        |                                 |              |                        |                                 |              |                        |                                 |              | 110                    |



**USE THESE CHARTS ONLY  
WHEN ALL OUTRIGGERS  
ARE FULLY EXTENDED**

#### ON OUTRIGGERS - FULLY EXTENDED

| LOAD<br>RADIUS<br>(FT) | BOOM LENGTH 80 FT                |                      |              | BOOM LENGTH 95 FT                |                      |              | BOOM LENGTH 110 FT               |                      |              | LOAD<br>RADIUS<br>(FT) |
|------------------------|----------------------------------|----------------------|--------------|----------------------------------|----------------------|--------------|----------------------------------|----------------------|--------------|------------------------|
|                        | LOADED<br>BOOM<br>ANGLE<br>(DEG) | OVER<br>REAR<br>(LB) | 360°<br>(LB) | LOADED<br>BOOM<br>ANGLE<br>(DEG) | OVER<br>REAR<br>(LB) | 360°<br>(LB) | LOADED<br>BOOM<br>ANGLE<br>(DEG) | OVER<br>REAR<br>(LB) | 360°<br>(LB) |                        |
| 10                     |                                  |                      |              |                                  |                      |              |                                  |                      |              | 10                     |
| 12                     |                                  |                      |              |                                  |                      |              |                                  |                      |              | 12                     |
| 15                     |                                  |                      |              |                                  |                      |              |                                  |                      |              | 15                     |
| 20                     | 72.7                             | 38,700*              | 38,700*      |                                  |                      |              |                                  |                      |              | 20                     |
| 25                     | 68.9                             | 33,600*              | 33,600*      | 72.3                             | 29,300*              | 29,300*      |                                  |                      |              | 25                     |
| 30                     | 65.0                             | 29,600*              | 29,600*      | 69.1                             | 25,900*              | 25,900*      | 72.1                             | 22,900*              | 22,900*      | 30                     |
| 35                     | 61.0                             | 26,500*              | 26,500*      | 65.9                             | 23,000*              | 23,000*      | 69.3                             | 20,500*              | 20,500*      | 35                     |
| 40                     | 56.8                             | 23,000               | 22,000       | 62.5                             | 20,800*              | 20,800*      | 66.5                             | 18,400*              | 18,400*      | 40                     |
| 45                     | 52.4                             | 18,600               | 17,700       | 59.1                             | 18,800               | 17,900       | 63.6                             | 16,500*              | 16,500*      | 45                     |
| 50                     | 47.7                             | 15,300               | 14,600       | 55.5                             | 15,500               | 14,800       | 60.7                             | 14,900*              | 14,900       | 50                     |
| 55                     | 42.7                             | 12,700               | 12,100       | 51.7                             | 12,900               | 12,300       | 57.7                             | 13,000               | 12,400       | 55                     |
| 60                     | 37.1                             | 10,700               | 10,100       | 47.8                             | 10,900               | 10,400       | 54.5                             | 11,000               | 10,500       | 60                     |
| 65                     | 30.6                             | 9,000                | 8,500        | 43.6                             | 9,200                | 8,800        | 51.3                             | 9,400                | 8,900        | 65                     |
| 70                     | 22.6                             | 7,500                | 7,100        | 39.0                             | 7,900                | 7,400        | 47.8                             | 8,000                | 7,600        | 70                     |
| 75                     | 9.8                              | 6,300                | 5,900        | 33.9                             | 6,700                | 6,300        | 44.2                             | 6,800                | 6,500        | 75                     |
| 80                     | **                               |                      |              | 28.1                             | 5,700                | 5,300        | 40.4                             | 5,900                | 5,500        | 80                     |
| 85                     |                                  |                      |              | 20.8                             | 4,800                | 4,400        | 36.1                             | 5,000                | 4,700        | 85                     |
| 90                     |                                  |                      |              | 9.0                              | 3,900                | 3,600        | 31.5                             | 4,200                | 3,900        | 90                     |
| 95                     |                                  |                      |              | **                               |                      |              | 26.5                             | 3,500                | 3,200        | 95                     |
| 100                    |                                  |                      |              |                                  |                      |              | 19.3                             | 2,900                | 2,400        | 100                    |
| 105                    |                                  |                      |              |                                  |                      |              | 8.4                              | 2,300                | 2,100        | 105                    |
| 110                    |                                  |                      |              |                                  |                      |              | **                               |                      |              | 110                    |

#### \*\* MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

| BOOM LENGTH 35 FT      |                       |              | BOOM LENGTH 50 FT      |                       |              | BOOM LENGTH 65 FT      |                       |              | BOOM LENGTH 80 FT      |                       |              | BOOM LENGTH 95 FT      |                       |              | BOOM LENGTH 110 FT     |                       |              |
|------------------------|-----------------------|--------------|------------------------|-----------------------|--------------|------------------------|-----------------------|--------------|------------------------|-----------------------|--------------|------------------------|-----------------------|--------------|------------------------|-----------------------|--------------|
| LOAD<br>RADIUS<br>(FT) | OVER<br>FRONT<br>(LB) | 360°<br>(LB) | LOAD<br>RADIUS<br>(FT) | OVER<br>FRONT<br>(LB) | 360°<br>(LB) | LOAD<br>RADIUS<br>(FT) | OVER<br>FRONT<br>(LB) | 360°<br>(LB) | LOAD<br>RADIUS<br>(FT) | OVER<br>FRONT<br>(LB) | 360°<br>(LB) | LOAD<br>RADIUS<br>(FT) | OVER<br>FRONT<br>(LB) | 360°<br>(LB) | LOAD<br>RADIUS<br>(FT) | OVER<br>FRONT<br>(LB) | 360°<br>(LB) |
| 31.2                   | 20,900*               | 20,800*      | 46.2                   | 12,600*               | 12,700*      | 61.2                   | 8,200*                | 8,200*       | 76.2                   | 5,400*                | 5,400*       | 91.2                   | 3,500*                | 3,300        | 106.17                 | 2,100                 | 1,800        |



## Lifting Capacities – Pounds (33' – 110' boom)

### MODEL RT 555

COUNTERWEIGHT:  
W/AUX. WINCH 13,100 LBS.  
W/O AUX. WINCH 14,200 LBS.  
BOOM LENGTH 33-110 FT.  
OUTRIGGER SPREAD 22 FT.

STABILITY PCT.  
ON OUTRIGGERS 85%  
ON TIRES 75%  
PCSA CLASS 10-210



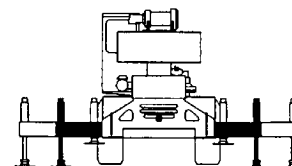
**CAUTION:** Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change.

#### ON OUTRIGGERS - MID POSITION

| LOAD<br>RADIUS<br>(FT) | BOOM LENGTH 35 FT                |              | BOOM LENGTH 50 FT                |              | BOOM LENGTH 65 FT                |              | BOOM LENGTH 80 FT                |              | BOOM LENGTH 95 FT                |              | BOOM LENGTH 110 FT               |              | LOAD<br>RADIUS<br>(FT) |
|------------------------|----------------------------------|--------------|----------------------------------|--------------|----------------------------------|--------------|----------------------------------|--------------|----------------------------------|--------------|----------------------------------|--------------|------------------------|
|                        | LOADED<br>BOOM<br>ANGLE<br>(DEG) | 360°<br>(LB) | LOADED<br>BOOM<br>ANGLE<br>(DEG) | 360°<br>(LB) | LOADED<br>BOOM<br>ANGLE<br>(DEG) | 360°<br>(LB) | LOADED<br>BOOM<br>ANGLE<br>(DEG) | 360°<br>(LB) | LOADED<br>BOOM<br>ANGLE<br>(DEG) | 360°<br>(LB) | LOADED<br>BOOM<br>ANGLE<br>(DEG) | 360°<br>(LB) |                        |
| 10                     | 66.7                             | 87,600*      | 73.9                             | 60,100*      |                                  |              |                                  |              |                                  |              |                                  |              | 10                     |
| 12                     | 63.1                             | 71,400*      | 71.5                             | 60,100*      |                                  |              |                                  |              |                                  |              |                                  |              | 12                     |
| 15                     | 57.5                             | 55,200*      | 67.9                             | 56,500*      | 73.2                             | 57,200*      |                                  |              |                                  |              |                                  |              | 15                     |
| 20                     | 47.1                             | 38,900*      | 61.5                             | 40,200*      | 68.5                             | 40,800*      | 72.7                             | 38,700*      |                                  |              |                                  |              | 20                     |
| 25                     | 34.5                             | 25,800       | 54.8                             | 27,300       | 63.7                             | 27,900       | 68.9                             | 28,200       | 72.3                             | 28,400       |                                  |              | 25                     |
| 30                     | 14.8                             | 17,700       | 47.4                             | 19,400       | 58.6                             | 19,900       | 65.0                             | 20,200       | 69.1                             | 20,400       | 72.1                             | 20,600       | 30                     |
| 35                     | **                               |              | 39.0                             | 14,200       | 53.3                             | 14,900       | 61.0                             | 15,200       | 65.9                             | 15,400       | 69.3                             | 15,500       | 35                     |
| 40                     |                                  |              | 28.8                             | 10,700       | 47.6                             | 11,400       | 56.8                             | 11,800       | 62.5                             | 11,900       | 66.5                             | 12,100       | 40                     |
| 45                     |                                  |              | 12.4                             | 8,000        | 41.3                             | 8,800        | 52.4                             | 9,200        | 59.1                             | 9,400        | 63.6                             | 9,500        | 45                     |
| 50                     |                                  |              | **                               |              | 34.1                             | 6,800        | 47.7                             | 7,200        | 55.5                             | 7,500        | 60.7                             | 7,600        | 50                     |
| 55                     |                                  |              |                                  |              | 25.2                             | 5,200        | 42.7                             | 5,700        | 51.7                             | 5,900        | 57.7                             | 6,000        | 55                     |
| 60                     |                                  |              |                                  |              | 10.9                             | 3,800        | 37.1                             | 4,400        | 47.8                             | 4,700        | 54.5                             | 4,800        | 60                     |
| 65                     |                                  |              |                                  |              | **                               |              | 30.6                             | 3,300        | 43.6                             | 3,600        | 51.3                             | 3,800        | 65                     |
| 70                     |                                  |              |                                  |              |                                  |              | 22.6                             | 2,400        | 39.0                             | 2,700        | 47.8                             | 2,900        | 70                     |
| 75                     |                                  |              |                                  |              |                                  |              | 9.8                              | 1,600        | 33.9                             | 1,900        | 44.2                             | 2,100        | 75                     |
| 80                     |                                  |              |                                  |              |                                  |              | **                               |              | 28.1                             | 1,300        | 40.4                             | 1,500        | 80                     |

#### \*\* MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

| BOOM LENGTH<br>35 FT   |              | BOOM LENGTH<br>50 FT   |              | BOOM LENGTH<br>65 FT   |              | BOOM LENGTH<br>80 FT   |              | BOOM LENGTH<br>95 FT   |              | BOOM LENGTH<br>110 FT  |              |
|------------------------|--------------|------------------------|--------------|------------------------|--------------|------------------------|--------------|------------------------|--------------|------------------------|--------------|
| LOAD<br>RADIUS<br>(FT) | 360°<br>(LB) | LOAD<br>RADIUS<br>(FT) | 360°<br>(LB) | LOAD<br>RADIUS<br>(FT) | 360°<br>(LB) | LOAD<br>RADIUS<br>(FT) | 360°<br>(LB) | LOAD<br>RADIUS<br>(FT) | 360°<br>(LB) | LOAD<br>RADIUS<br>(FT) | 360°<br>(LB) |
| 31.2                   | 16,100*      | 46.2                   | 7,300        | 61.2                   | 3,500        | 76.2                   | 1,400        |                        |              |                        |              |



**USE THESE CHARTS ONLY  
WHEN ALL OUTRIGGERS ARE  
PINNED IN MID POSITION**





## Lifting Capacities – Pounds (33' – 110' boom)

### MODEL RT 555



**CAUTION:** Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change.

COUNTERWEIGHT:  
W/AUX. WINCH 13,100 LBS.  
W/O AUX. WINCH 14,200 LBS.  
BOOM LENGTH 33-110 FT.  
OUTRIGGER SPREAD 22 FT.

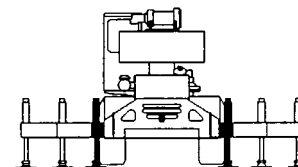
STABILITY PCT.  
ON OUTRIGGERS 85%  
ON TIRES 75%  
PCSA CLASS 10-210

#### ON OUTRIGGERS - RETRACTED

| LOAD<br>RADIUS<br>(FT) | BOOM LENGTH 35 FT                |              | BOOM LENGTH 50 FT                |              | BOOM LENGTH 65 FT                |              | BOOM LENGTH 80 FT                |              | BOOM LENGTH 95 FT                |              | BOOM LENGTH 100 FT               |              | LOAD<br>RADIUS<br>(FT) |
|------------------------|----------------------------------|--------------|----------------------------------|--------------|----------------------------------|--------------|----------------------------------|--------------|----------------------------------|--------------|----------------------------------|--------------|------------------------|
|                        | LOADED<br>BOOM<br>ANGLE<br>(DEG) | 360°<br>(LB) | LOADED<br>BOOM<br>ANGLE<br>(DEG) | 360°<br>(LB) | LOADED<br>BOOM<br>ANGLE<br>(DEG) | 360°<br>(LB) | LOADED<br>BOOM<br>ANGLE<br>(DEG) | 360°<br>(LB) | LOADED<br>BOOM<br>ANGLE<br>(DEG) | 360°<br>(LB) | LOADED<br>BOOM<br>ANGLE<br>(DEG) | 360°<br>(LB) |                        |
| 10                     | 66.7                             | 67,000       | 73.9                             | 60,100*      |                                  |              |                                  |              |                                  |              |                                  |              | 10                     |
| 12                     | 63.1                             | 46,800       | 71.5                             | 48,000       |                                  |              |                                  |              |                                  |              |                                  |              | 12                     |
| 15                     | 57.5                             | 30,900       | 67.9                             | 32,100       | 73.2                             | 32,600       |                                  |              |                                  |              |                                  |              | 15                     |
| 20                     | 47.1                             | 17,900       | 61.5                             | 19,300       | 68.5                             | 19,700       | 72.7                             | 20,000       |                                  |              |                                  |              | 20                     |
| 25                     | 34.5                             | 11,200       | 54.8                             | 12,600       | 63.7                             | 13,200       | 68.9                             | 13,400       | 72.3                             | 13,600       |                                  |              | 25                     |
| 30                     | 14.8                             | 7,000        | 47.4                             | 8,500        | 58.6                             | 9,200        | 65.0                             | 9,500        | 69.1                             | 9,600        | 72.1                             | 9,700        | 30                     |
| 35                     | **                               |              | 39.0                             | 5,700        | 53.3                             | 6,400        | 61.0                             | 6,800        | 65.9                             | 6,900        | 69.3                             | 7,100        | 35                     |
| 40                     |                                  |              | 28.8                             | 3,700        | 47.6                             | 4,400        | 56.8                             | 4,800        | 62.5                             | 5,000        | 66.5                             | 5,100        | 40                     |
| 45                     |                                  |              | 12.4                             | 2,100        | 41.3                             | 2,900        | 52.4                             | 3,300        | 59.1                             | 3,500        | 63.6                             | 3,700        | 45                     |
| 50                     |                                  |              | **                               |              | 34.1                             | 1,700        | 47.7                             | 2,100        | 55.5                             | 2,400        | 60.7                             | 2,500        | 50                     |
| 55                     |                                  |              |                                  |              |                                  |              |                                  |              | 51.7                             | 1,400        | 57.7                             | 1,600        | 55                     |

#### \*\* MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

| BOOM LENGTH<br>35 FT   |              | BOOM LENGTH<br>50 FT   |              | BOOM LENGTH<br>65 FT   |              | BOOM LENGTH<br>80 FT   |              | BOOM LENGTH<br>95 FT   |              | BOOM LENGTH<br>100 FT  |              |
|------------------------|--------------|------------------------|--------------|------------------------|--------------|------------------------|--------------|------------------------|--------------|------------------------|--------------|
| LOAD<br>RADIUS<br>(FT) | 360°<br>(LB) | LOAD<br>RADIUS<br>(FT) | 360°<br>(LB) | LOAD<br>RADIUS<br>(FT) | 360°<br>(LB) | LOAD<br>RADIUS<br>(FT) | 360°<br>(LB) | LOAD<br>RADIUS<br>(FT) | 360°<br>(LB) | LOAD<br>RADIUS<br>(FT) | 360°<br>(LB) |
| 31.2                   | 6,000        | 46.2                   | 1,700        |                        |              |                        |              |                        |              |                        |              |



**USE THESE CHARTS WHEN  
ALL OUTRIGGER BEAMS ARE  
NOT IN EITHER THE MID OR  
FULLY EXTENDED POSITION**





# Lifting Capacities – Pounds (33' – 110' boom)

## MODEL RT 555

COUNTERWEIGHT:  
W/AUX. WINCH 13,100 LBS.  
W/O AUX. WINCH 14,200 LBS.  
BOOM LENGTH 33-110 FT.  
OUTRIGGER SPREAD 22 FT.

STABILITY PCT.  
ON OUTRIGGERS 85%  
ON TIRES 75%  
PCSA CLASS 10-210



**CAUTION:** Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change.

### SIDE STOW JIB ON FULLY EXTENDED OUTRIGGERS

| LOADED<br>BOOM<br>ANGLE<br>(DEG) | 32 FT OFFSETABLE JIB/NO PULL OUT INSTALLED |              |                                 |              |                                 |              | 33 FT OFFSETABLE JIB/PULL OUT RETRACTED |              |                                 |              |                                 |              | 57 FT OFFSETABLE JIB            |              |                                 |              |                                 |              | LOADED<br>BOOM<br>ANGLE<br>(DEG) |
|----------------------------------|--------------------------------------------|--------------|---------------------------------|--------------|---------------------------------|--------------|-----------------------------------------|--------------|---------------------------------|--------------|---------------------------------|--------------|---------------------------------|--------------|---------------------------------|--------------|---------------------------------|--------------|----------------------------------|
|                                  | 0° OFFSET                                  |              | 15° OFFSET                      |              | 30° OFFSET                      |              | 0° OFFSET                               |              | 15° OFFSET                      |              | 30° OFFSET                      |              | 0° OFFSET                       |              | 15° OFFSET                      |              | 30° OFFSET                      |              |                                  |
|                                  | LOAD<br>RADIUS<br>(REF)<br>(FT)            | 360°<br>(LB) | LOAD<br>RADIUS<br>(REF)<br>(FT) | 360°<br>(LB) | LOAD<br>RADIUS<br>(REF)<br>(FT) | 360°<br>(LB) | LOAD<br>RADIUS<br>(REF)<br>(FT)         | 360°<br>(LB) | LOAD<br>RADIUS<br>(REF)<br>(FT) | 360°<br>(LB) | LOAD<br>RADIUS<br>(REF)<br>(FT) | 360°<br>(LB) | LOAD<br>RADIUS<br>(REF)<br>(FT) | 360°<br>(LB) | LOAD<br>RADIUS<br>(REF)<br>(FT) | 360°<br>(LB) | LOAD<br>RADIUS<br>(REF)<br>(FT) | 360°<br>(LB) |                                  |
| 75                               | 38                                         | 12,100*      | 45                              | 8,500*       | 52                              | 6,600*       | 38                                      | 12,100*      | 46                              | 8,500*       | 53                              | 6,600*       | 46                              | 6,100*       | 61                              | 4,600*       | 71                              | 3,400*       | 75                               |
| 73                               | 43                                         | 11,600*      | 50                              | 8,200*       | 57                              | 6,400*       | 44                                      | 11,600*      | 51                              | 8,200*       | 58                              | 6,400*       | 53                              | 6,100*       | 66                              | 4,400*       | 77                              | 3,300*       | 73                               |
| 71                               | 49                                         | 11,100*      | 56                              | 7,800*       | 62                              | 6,300*       | 50                                      | 11,100*      | 57                              | 7,800*       | 63                              | 6,300*       | 59                              | 5,900*       | 73                              | 4,200*       | 83                              | 3,200*       | 71                               |
| 68                               | 56                                         | 10,400*      | 63                              | 7,400*       | 69                              | 6,000*       | 57                                      | 10,400*      | 64                              | 7,400*       | 70                              | 6,000*       | 67                              | 5,600*       | 80                              | 3,900*       | 90                              | 3,100*       | 68                               |
| 65                               | 63                                         | 9,600*       | 69                              | 7,100*       | 75                              | 5,900*       | 64                                      | 8,700        | 70                              | 7,100*       | 76                              | 5,900*       | 75                              | 5,200*       | 88                              | 3,700*       | 96                              | 3,000*       | 65                               |
| 62                               | 70                                         | 8,500        | 75                              | 6,800*       | 80                              | 5,700*       | 71                                      | 7,100        | 76                              | 6,500        | 81                              | 5,700*       | 84                              | 4,800*       | 95                              | 3,500*       | 102                             | 2,900*       | 62                               |
| 59                               | 76                                         | 7,100        | 81                              | 6,500        | 86                              | 5,500*       | 78                                      | 6,100        | 83                              | 5,600        | 87                              | 5,200        | 93                              | 4,500*       | 103                             | 3,400*       | 108                             | 2,800*       | 59                               |
| 55                               | 83                                         | 5,800        | 89                              | 5,300        | 92                              | 5,100        | 85                                      | 4,900        | 90                              | 4,400        | 93                              | 4,000        | 103                             | 3,700        | 111                             | 3,200*       | 114                             | 2,700*       | 55                               |
| 51                               | 90                                         | 4,600        | 95                              | 4,300        | 99                              | 4,100        | 91                                      | 3,900        | 97                              | 3,400        | 101                             | 3,200        | 112                             | 2,800        | 118                             | 2,600        | 121                             | 2,500        | 51                               |
| 47                               | 97                                         | 3,800        | 102                             | 3,600        | 105                             | 3,400        | 98                                      | 3,000        | 103                             | 2,700        | 107                             | 2,600        | 120                             | 2,200        | 125                             | 2,100        | 128                             | 2,000        | 47                               |
| 43                               | 103                                        | 3,100        | 108                             | 3,000        | 111                             | 2,900        | 104                                     | 2,100        | 110                             | 2,100        | 112                             | 2,100        | 128                             | 1,700        | 132                             | 1,600        | 135                             | 1,500        | 43                               |
| 38                               | 111                                        | 2,400        | 115                             | 2,300        | 117                             | 2,200        | 112                                     | 1,500        | 117                             | 1,600        | 118                             | 1,500        | 135                             | 1,200        | 139                             | 1,100        | 142                             | 1,100        | 38                               |
| 32                               | 119                                        | 1,700        | 122                             | 1,800        | 124                             | 1,700        | 120                                     | 1,000        | 123                             | 1,000        | 125                             | 1,000        | 143                             | 700          |                                 |              |                                 |              | 32                               |
| 25                               | 126                                        | 1,200        | 129                             | 1,200        |                                 |              |                                         |              |                                 |              |                                 |              |                                 |              |                                 |              |                                 |              | 25                               |
| 17                               | 133                                        | 800          |                                 |              |                                 |              |                                         |              |                                 |              |                                 |              |                                 |              |                                 |              |                                 |              | 17                               |

#### NOTES FOR JIB CAPACITIES

- A. For all boom lengths less than the maximum with a jib erected, the rated loads are determined by boom angle only in the appropriate column.  
B. For boom angle not shown, use the capacity of the next lower boom angle.  
C. Listed radii are for extended main boom only.

### ON TIRES

| RADIUS<br>(FT) | MAX<br>BOOM<br>LENGTH<br>(FT) | 21:00 X 25 28PR |                     |              |         |            | 26:5 x 25-26PR      |         |              |    | RADIUS<br>(FT) |
|----------------|-------------------------------|-----------------|---------------------|--------------|---------|------------|---------------------|---------|--------------|----|----------------|
|                |                               |                 |                     | PICK & CARRY |         |            |                     |         | PICK & CARRY |    |                |
|                |                               | STATIONARY      |                     | CREEP        | 2.5 MPH | STATIONARY |                     | CREEP   | 2.5 MPH      |    |                |
|                |                               | 360°            | STRAIGHT OVER FRONT |              |         | 360°       | STRAIGHT OVER FRONT |         |              |    |                |
| 10             | 35                            | 46,600*         | 74,000*             | 56,300*      | 47,600* | 41,200*    | 65,100*             | 49,300* | 41,200*      | 10 |                |
| 12             | 35                            | 31,200          | 64,400*             | 48,800*      | 41,100* | 34,600*    | 56,600*             | 42,500* | 35,400*      | 12 |                |
| 15             | 35                            | 19,800          | 53,600*             | 40,200*      | 33,600* | 22,900*    | 46,900*             | 34,900* | 28,800*      | 15 |                |
| 20             | 35                            | 12,800          | 33,000              | 30,300*      | 25,000* | 14,800     | 31,600              | 26,000* | 21,100*      | 20 |                |
| 25             | 50                            | 8,900           | 20,800              | 20,800       | 19,200* | 9,600      | 20,800              | 20,000* | 15,900*      | 25 |                |
| 30             | 50                            | 5,200           | 13,300              | 13,300       | 13,300  | 6,200      | 14,300              | 14,300  | 12,100*      | 30 |                |
| 35             | 50                            | 3,300           | 10,300              | 10,300       | 10,300  | 4,000      | 10,600              | 10,600  | 9,500*       | 35 |                |
| 40             | 50                            | 2,200           | 8,000               | 8,000        | 8,000   | 2,700      | 8,000               | 8,000   | 7,700*       | 40 |                |
| 45             | 65                            | 1,300           | 6,400               | 6,400        | 6,400   | 1,800      | 6,400               | 6,400   | 6,300*       | 45 |                |
| 50             | 65                            |                 | 5,200               | 5,200        | 5,200   |            | 5,200               | 5,200   | 5,100*       | 50 |                |
| 55             | 65                            |                 | 4,200               | 4,200        | 4,200   |            | 4,200               | 4,200   | 4,100*       | 55 |                |
| 60             | 80                            |                 | 3,200               | 3,200        | 3,200   |            | 3,200               | 3,200   | 3,200        | 60 |                |
| 65             | 80                            |                 | 2,400               | 2,400        | 2,400   |            | 2,400               | 2,400   | 2,400        | 65 |                |

#### NOTES FOR ON TIRE CAPACITIES

- A. For Pick and Carry operations, boom must be centered over the front of the crane with swing brake and lock engaged. Use minimum boom point height and keep load close to ground surface.  
B. The load should be restrained from swinging. NO ON TIRE OPERATION WITH JIB ERECTED.  
C. Without outriggers, never maneuver the boom beyond listed load radii for applicable tires to ensure stability.  
D. Creep speed is crane movement of less than 200 Ft. (61m) in a 30 minute period and not exceeding 1.0 mph (1.6 km/h).  
E. Refer to General Notes for additional information.

### MAXIMUM PERMISSIBLE HOIST LINE LOAD

| LINE PARTS                                                                                                                                                                                                         | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9       | 10      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| MIN & AUX. HOIST                                                                                                                                                                                                   | 11,250 | 22,500 | 33,750 | 45,000 | 56,250 | 67,500 | 78,750 | 90,000 | 101,250 | 112,500 |
| WIRE ROPE: 5/8" ROTATION RESISTANT 34 x 7 COMPACTED STRAND, GRADE 2160, MINIMUM BREAKING STRENGTH - 28.21 TONS<br>5/8" 6X19 OR 6X37, XIPS, IWRC, PREFORMED RIGHT REGULAR LAY MINIMUM BREAKING STRENGTH - 20.6 TONS |        |        |        |        |        |        |        |        |         |         |

### RECOMMENDED TIRE PRESSURE

| TIRE SIZE        | STATIONARY | CREEP  | 2 1/2 MPH | TRAVEL |
|------------------|------------|--------|-----------|--------|
| 21:00 X 25-28 PR | 85 PSI     | 85 PSI | 85 PSI    | 65 PSI |
| 26:50 X 25-26 PR | 65 PSI     | 65 PSI | 65 PSI    | 50 PSI |





## GENERAL NOTES

### GENERAL

1. Rated loads as shown on Lift Charts pertain to this machine as originally manufactured and equipped. 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 shall be in compliance with the information in the Operator's, Parts and Safety Manuals supplied with this machine. If these manuals are missing, order replacements from the manufacturer through your distributor.
3. These warnings do not constitute all of the operating conditions for the crane. The operator and job site supervision must read the OPERATORS MANUAL, CIMA SAFETY MANUAL, APPLICABLE OSHA REGULATIONS, AND SOCIETY OF MECHANICAL ENGINEERS (ASME) SAFETY STANDARDS FOR CRANES.
4. This crane and its load ratings are in accordance with POWER CRANE & SHOVEL ASSOCIATION, STANDARD NO. 4, SAE CRANE LOAD STABILITY TEST CODE J765A, SAE METHOD OF TEST FOR CRANE STRUCTURE J1063 AND APPLICABLE SAFETY CODE FOR CRANES, DERRICKS AND HOISTS, ASME/ANSI B30.5.

### DEFINITIONS

1. **LOAD RADIUS** – The horizontal distance from the axis of rotation before loading to the center of the vertical hoist line or tackle with a load applied.
2. **LOADED BOOM ANGLE** – It is the angle between the boom base section and the horizontal, after lifting the rated load at the rated radius. The boom angle before loading should be greater to account for deflections. The loaded boom angle combined with boom length give only an approximation of the operating radius.
3. **WORKING AREA** – Areas measured in a circular arc about the centerline of rotation as shown in the diagram.
4. **FREELY SUSPENDED LOAD** – Load hanging free with no direct external force applied except by the hoist rope.
5. **SIDE LOAD** – Horizontal force applied to the lifted load either on the ground or in the air.
6. **NO LOAD STABILITY LIMIT** – The stability limit radius shown on the range diagrams is the radius beyond which it is not permitted to position the boom, when the boom angle is less than the minimum shown on the applicable load chart, because the machine can overturn without any load.
7. **BOOM SIDE OF CRANE** – The side of the crane over which the boom is positioned when in an OVER SIDE working position.

### SET-UP

1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.
2. Crane load ratings on outriggers are based on all outrigger beams being fully extended or in the case of partial extension ratings mechanically pinned in the appropriate position, and the tires free of the supporting surface.
3. Crane load ratings on tires depend on appropriate inflation pressure and the tire conditions. Caution must be exercised when increasing air pressures in tires. Consult Operator's Manual for precautions.
4. Use of jibs, lattice-type boom extensions, or fourth section pullouts extended is not permitted for pick and carry operations.
5. Consult appropriate section of the Operator's and Service Manual for more exact description of hoist line reeving.
6. The use of more parts of line than required by the load may result in having insufficient rope to allow the hook block to reach the ground.
7. Properly maintained wire rope is essential for safe crane operation. Consult Operator's Manual for proper maintenance and inspection requirements.
8. When spin-resistant wire rope is used, the allowable rope loading shall be the breaking strength divided by five (5), unless otherwise specified by the wire rope manufacturer.
9. Do not elevate the boom above 60° unless the boom is positioned in-line with the crane's chassis or the outriggers are extended. Failure to observe this warning may result in loss of stability.

### OPERATION

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. When either radius or boom length, or both, are between listed values, the smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams).
4. The boom angles shown on the Capacity Chart give an approximation of the operating radius for a specified boom length. The boom angle, before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.
5. Power telescoping boom sections must be extended equally.
6. Rated loads include the weight of hook block, slings, and auxiliary lifting devices. Their weights shall be subtracted from the listed rated load to obtain the net load that can be lifted.  
When lifting over the jib the weight of any hook block, slings, and auxiliary lifting devices at the boom head must be added to the load.  
When jibs are erected but unused add two (2) times the weight of any hook block, slings, and auxiliary lifting devices at the jib head to the load.
7. Rated loads do not exceed 85% on outriggers or 75% on tires, of the tipping load as determined by SAE Crane Stability Test Code J765a. Structural strength ratings in chart are indicated with an asterisk (\*).
8. Rated loads are based on freely suspended loads. No attempt shall be made to drag a load horizontally on the ground in any direction.
9. The user shall operate at reduced ratings to allow for adverse job conditions, such as: Soft or uneven ground, out of level conditions, high winds, side loads, pendulum action, jerking or sudden stopping of loads, hazardous conditions, experience of personnel, two machine lifts, traveling with loads, electric wires, etc., (side pull on boom or jib is hazardous). Derating of the cranes lifting capacity is required when wind speed exceeds 20 MPH. the center of the lifted load must never be allowed to move more than 3\* feet off the center line of the base boom section due to the effects of wind, inertia, or any combination of the two.  
\*Use 2 feet off the center line of the base boom for a two section boom, 3 feet for a three section boom, or 4 feet for a four section boom."
10. The maximum load which can be telescoped is not definable, because of variations in loadings and crane maintenance, but it is permissible to attempt retraction and extension if load ratings are not exceeded.

11. Load ratings are dependent upon the crane being maintained according to manufacturer's specifications.
12. It is recommended that load handling devices, including hooks, and hook blocks, be kept away from boom head at all times.
13. FOR TRUCK CRANES ONLY: 360° capacities apply only to machines equipped with a front outrigger jack and all five (5) outrigger jacks properly set. If the front (5th) outrigger jack is not properly set, the work area is restricted to the over side and over rear areas as shown on the Crane Working Positions diagram. Use the 360° load ratings in the overside work areas.
14. Do not lift with outrigger beams positioned between the fully extended and intermediate (pinned) positions.
15. Truck Cranes not equipped with equalizing (bogie) beams between the rear axles may not be used for lifting "on tires". Truck Cranes equipped with equalizing beams and rear air suspension should "dump" the air before lifting "on tires".

### CLAMSHELL, MAGNET, AND CONCRETE BUCKET SERVICE

1. Maximum boom length for clamshell and magnet service is 50 feet.
2. Weight of clamshell or magnet, plus contents are not to exceed 6,000 pounds or 90% of rated lifting capacities, whichever is less. For concrete bucket operation, weight of bucket and load must not exceed 90% of rated lifting capacity.

WE RESERVE THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE. THE ONLY WARRANTY APPLICABLE IS OUR STANDARD WRITTEN WARRANTY APPLICABLE TO THE PARTICULAR PRODUCT AND SALE. WE MAKE NO OTHER WARRANTY, EXPRESSED OR IMPLIED.

## TEREX CRANES

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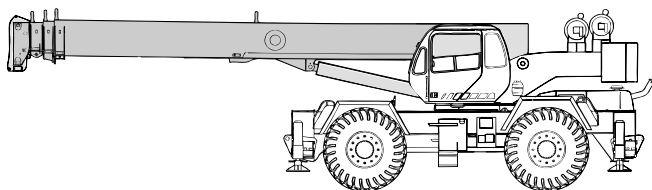
[www.terexlift.com](http://www.terexlift.com)





# TEREX RT 500 SERIES

rough terrain crane  
specifications



## STANDARD BOOM EQUIPMENT

### BOOM

35-110 ft. (10.67-33.53 m), four section full power boom. Telescoping is mechanically synchronized with single lever control. The synchronization system consists of a single telescope cylinder and high strength leaf chains to extend and retract the third section and the tip section. The boom is a high-strength four plate design, welded inside and out with anti-friction slide pads. Boom side plates are made with stamped impressions to reduce weight and increase strength. A single boom hoist cylinder provides for boom

elevation of -4 to 76 degrees. Maximum tip height 115 ft. (35.05 m).

### BOOM HEAD

Welded to fourth section of boom. Five or six metallic load sheaves and two idler sheaves mounted on heavy duty, anti-friction bearings. Quick reeving boom head. Provision made for side-stow jib mounting.

## OPTIONAL BOOM EQUIPMENT

### JIBS

32 ft. (9.68 m) side stow swing-on one-piece lattice type jib. Single metallic sheave mounted on anti-friction bearing. Jib is offsettable at 0°, 15°, or 30°. Maximum tip height is 146 ft. (44.50 m).

33-57 ft. (10.15-17.30 m) side stow swing-on lattice type jib. Single sheave mounted on anti-friction bearing. Jib is extendible to 57 ft. (17.30 m) by means of a 25 ft. (7.62 m) manual pull-out tip section, roller supported for ease of extension. Jib is offsettable at 0°, 15°, or 30°. Maximum tip height is 170 ft. (51.82 m).

### AUXILIARY BOOM HEAD

Removable auxiliary boom head has single metallic sheave mounted on anti-friction bearing. Removable pin-type rope guard for quick reeving. Installs on main boom peak only. Removal is not required for job use.

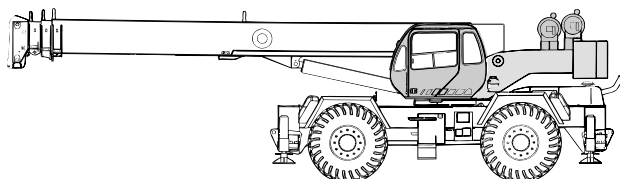
### HOOK BLOCK

Five or six metallic sheaves on anti-friction bearings with hook and hook latch. Quick reeving design does not require removal of wedge and socket from rope.

### HOOK & BALL

7 ton (6.3 mt) top swivel ball with hook and hook latch.





## STANDARD UPPERSTRUCTURE EQUIPMENT

### UPPERSTRUCTURE FRAME

All welded one-piece structure fabricated with high tensile strength alloy steel. Counterweight is bolted to frame.

### TURNTABLE CONNECTION

Swing bearing is a single row, ball-type, with internal teeth. The swing bearing is bolted to revolving upperstructure and to the carrier frame.

### SWING

A hydraulic motor drives a double planetary reduction gear for precise and smooth swing function. Swing speed (no load) is 2.8 rpm.

### SWING BRAKE

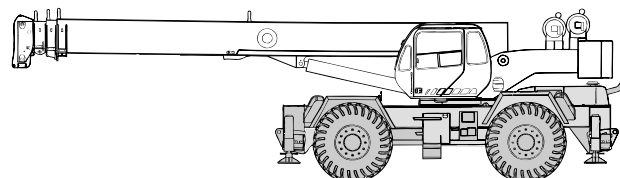
Heavy duty multiple disc swing brake is mechanically actuated from operator's cab by foot pedal. Brake may be locked on or used as a momentary brake. A 360° mechanical house lock is standard.

### RATED CAPACITY INDICATOR

Rated Capacity Indicator with visual and audible warning system and automatic function disconnects. Second generation pictographic display includes: boom radius, boom angle, boom length, allowable load, actual load, and percentage of allowable load registered by bar graph. Operator settable alarms provided for swing angle, boom length, boom angle, tip height, and work area exclusion zone. Anti-two block system includes audio/visual warning and automatic function disconnects.

### OPERATOR'S CAB

Environmental cab with all steel construction, optimum visibility, tinted safety glass throughout, and rubber floor matting is mounted on vibration absorbing pads. The cab has a sliding door on the left side, framed sliding window on the right side, hinged tinted all glass skylight and removable front windshield to provide



optimum visibility of the load open or closed. Acoustical foam padding insulates against sound and weather. The deluxe six-way adjustable seat is equipped with a mechanical suspension and includes head and arm rests.

### CONTROLS

All control levers and pedals are positioned for efficient operation. Hand operated control levers include swing, boom telescope, boom hoist, winch(s), 360° house lock, shift, and vernier adjustable hand throttle. Switches include ignition, engine stop, two-speed winch(s), lights, horn, windshield wipers, defroster, steering mode, parking brake, and outrigger controls. Foot control pedals include swing brake, boom raise, boom lower, service brakes and accelerator.

### INSTRUMENTATION AND ACCESSORIES

In-cab gauges include air pressure, bubble level, tachometer, engine oil pressure, fuel, engine temperature, voltmeter, transmission temperature, and transmission oil pressure. Indicators include low air, high water temperature/low oil pressure/high transmission temperature audio/visual warning, low coolant audio/visual warning, hoist drum rotation indicator(s), and Rated Capacity Indicator. Accessories include fire extinguisher; light package including headlights, tail lights, brake lights, directional signals, four-way hazard flashers, dome light, and back-up lights with audible back-up alarm; windshield washer/wiper; skylight wiper; R.H. and L.H. rear view mirrors; dash lights; and seat belt. Circuit breakers protect electrical circuits.

### HYDRAULIC CONTROL VALVES

Valves are mounted on the rear of the upperstructure and are easily accessible. Valves are mechanically operated and include one pressure compensated two spool valve for boom elevation and telescope, one pressure compensated two spool valve for main and auxiliary winch, and one single spool valve for swing. Quick disconnects are provided for ease of installation of pressure check gauges.

### OPTIONAL EQUIPMENT

Auxiliary Winch • Heater/Defroster • Hydraulically powered Air Conditioner with or without hydraulic heater • LP or Diesel Heater/Defroster • Work Lights • Rotating Beacon

## STANDARD CARRIER EQUIPMENT

### CARRIER CHASSIS

Chassis is Terex designed with four-wheel drive and four-wheel steer (4x4x4). Has box-type construction with reinforcing cross members, a precision machined turntable mounting plate and integrally welded outrigger boxes. Decking has anti-skid surfaces, including between the frame rails lockable front tool storage compartment, and access steps and handles on the left and right sides and on all four corners.

### AXLES AND SUSPENSION

Rear axle is a planetary drive/steer type with 10.5 in (0.26 m) of total oscillation. Automatic oscillation lockouts engage when the superstructure is swung 10° in either direction. Front axle is a planetary drive/steer type, rigid mounted to the frame for increased stability.

### STEERING

Hydraulic four-wheel full power steering for two-wheel, four-wheel coordinated, or four-wheel crab steer is easily controlled by steering wheel. A rear axle centering light is provided.

Turning radius to center of outside tire.

|            | (standard tires) | (optional tires) |
|------------|------------------|------------------|
| Two-wheel  | 40' 4" (12.3 m)  | 40' 0" (12.2 m)  |
| Four-wheel | 23' 4" (7.1 m)   | 23' 0" (7.0 m)   |

### TRANSMISSION

Power-shift transmission with integral torque converter has neutral safety start, 6 speeds forward, and 3 speeds reverse provides wide ratio coverage. Automatic pulsating back-up alarm.





## STANDARD CARRIER EQUIPMENT (continued)

### MULTI-POSITION OUT & DOWN OUTRIGGERS

Fully independent hydraulic outriggers may be utilized fully extended to 22 ft. (6.71 m) centerline to centerline, in their 1/2 extended position, or fully retracted for maximum flexibility. Easily removable steel floats, each with an area of 254 in<sup>2</sup> (1639 cm<sup>2</sup>), stow on the outrigger boxes at their point of use. Complete controls and a sight leveling bubble are located in the operator's cab.

### WHEELS & TIRES

Disc type wheels with full tapered bead seat rim. 150.50 in (3.82 m) wheelbase.

### TIRES

Wide earthmover (E3) style tread tires provide life and flotation.  
26.50x25, 26 P.R. - std.  
21.00x25, 28 P.R. opt.

### SERVICE BRAKES

Split system air brakes on all four wheels; 20 1/4" x 4" (51.43x10.2 cm) wedge type drum brakes.

### PARKING BRAKE

Front and rear axles equipped with spring-set, air-released emergency/parking chambers acting on service brakes.

### OPTIONAL EQUIPMENT

Cold Weather Starting Aid • Immersion Heater • Pintle Hook  
• Clearance Lights • Independent Rear or Four Mode Rear Wheel Steer • 20,000 lb (9072 kg) line pull front mounted winch

## HYDRAULIC SYSTEM

### HYDRAULIC PUMPS

Three gear type pumps, one single and two in tandem, driven off the transmission. Combined system capability is 119 gpm (450 lpm). Includes pump disconnect on tandem pump.

#### Main and Auxiliary Winch Pump

59.5 gpm (225.2 lpm) @ 3,500 psi (246.1 kg/cm<sup>2</sup>)

#### Boom Hoist, Telescope Pump

38.5 gpm (145.7 lpm) @ 3,500 psi (246.1 kg/cm<sup>2</sup>)

#### Power Steering, Outrigger and Swing Pump

21 gpm (79.5 lpm) @ 2,500 psi (175 kg/cm<sup>2</sup>)

### FILTRATION

Full flow oil filtration system with bypass protection includes a removable 60 mesh (250 micron) suction screen-type filter and 5 micron replaceable return line filter.

### HYDRAULIC RESERVOIR

All steel, welded construction with internal baffles and diffuser. Provides easy access to filters and is equipped with an external sight level gauge. The hydraulic tank is pressurized to aid in keeping out contaminants and in reducing potential pump cavitation. Capacity is 112 gal (424 liters). Hydraulic oil cooler is standard.

## MAIN WINCH SPECIFICATIONS

Hydraulic winch with bent axis piston motor and planetary reduction gearing provides 2-speed operation with equal speeds for power up and down. Winch is equipped with an integral automatic brake, grooved drum, tapered flanges, standard cable roller on drum, and an electronic drum rotation indicator.

### PERFORMANCE

Max. line speed (no load)

|             |                      |                       |
|-------------|----------------------|-----------------------|
| First layer | 184 fpm (56.1 m/min) | 369 fpm (112.5 m/min) |
| Fifth layer | 266 fpm (81.1 m/min) | 533 fpm (162.5 m/min) |

Max. line pull-first layer 15,639 lbs (7093 kg) 7,298 lbs (3310 kg)

Max. line pull-first layer 10,827 lbs (4911 kg) 5,052 lbs (2291 kg)

Permissible line pull 11,250 lbs (5102 kg)

### DRUM DIMENSIONS

10.62 in (270 mm) drum diameter  
22.42 in (570 mm) length  
20.0 in (508 mm) flange dia.  
Cable: 5/8 in. x 500 ft (16 mm x 152.4 m)  
Cable type: 5/8 in. (16 mm) 6 x 19 IWRC, XIPS, right regular lay, preformed.

### DRUM CAPACITY

Max. Storage: 939 ft (286.2 m)  
7th layer not a working layer  
Max. Useable: 772 ft (235.3 m)\*  
\*Based on minimum flange height above top layer to comply with ANSI B30.5

### OPTIONAL AUX. WINCH

Hydraulic 2-speed winch with bent axis piston motor, equal speed power up and down, planetary reduction with integral automatic brake, grooved drum with tapered flanges, drum roller, and rotation indicator.

#### Performance

Max. line speed (no load)

Fifth layer 533 fpm (162.5 m/min)

Max. line pull

First layer 15,639 lbs (7,093 kg)

#### Drum Dimensions and Capacity

(Same as main winch)

### OPTIONAL HOIST LINE

**MAIN WINCH AND OPTIONAL AUXILIARY WINCH**  
-5/8" (16 mm) rotation resistant compacted strand 34 x 7. Min. breaking strength 28.21 tons (25.59 mt).

## ENGINE SPECIFICATIONS

| Make and Model    | Cummins 6BTA5.9               | Caterpillar 3116 DITA          |
|-------------------|-------------------------------|--------------------------------|
| Type              | 6 cylinder                    | 6 cylinder                     |
| Bore and Stroke   | 4.02 x 4.72 in (102x120 mm)   | 4.12 x 5.0 in (105x127 mm)     |
| Displacement      | 359 cu in (5.9 l)             | 402 cu in (6.6 l)              |
| Gross HP          | 174 hp (130 kw) @ 2500 rpm    | 175 hp (130 kw) @ 2400 rpm     |
| Gross Torque      | 480lb•ft (651 N•m) @ 1500 rpm | 482 lb•ft (654 N•m) @ 1450 rpm |
| Aspiration        | turbocharged & aftercooled    | turbocharged & aftercooled     |
| Air Filter        | dry type                      | dry type                       |
| Electrical System | 12 volt                       | 12 volt                        |
| Alternator        | 102 amp                       | 115 amp                        |
| Battery           | (2) 12V-1600 CCA              | (2) 12V-1600 CCA               |
| Fuel Capacity     | 50 gal (189 l)                | 50 gal (189 l)                 |

## PERFORMANCE (Standard Engine)

| Transmission Gear | Forward Drive | Maximum Speed         | Maximum Tractive Effort | Gradeability @ Stall |
|-------------------|---------------|-----------------------|-------------------------|----------------------|
| 1                 | 4-wheel       | 2.4 mph<br>3.9 km/h   | 60,538 lbs<br>27 460 kg | 127.6%               |
| 2                 | 4-wheel       | 4.2 mph<br>6.8 km/h   | 34,255 lbs<br>15 538 kg | 48.5%                |
| 3                 | 4-wheel       | 5.6 mph<br>9.0 km/h   | 26,061 lbs<br>11 821 kg | 34.7%                |
| 4                 | 2-wheel       | 9.8 mph<br>15.8 km/h  | 14,765 lbs<br>6697 kg   | 18.0%                |
| 5                 | 2-wheel       | 13.9 mph<br>22.4 km/h | 10,410 lbs<br>4722 kg   | 12.0%                |
| 6                 | 2-wheel       | 24.1 mph<br>38.8 km/h | 5,960 lbs<br>2703 kg    | 5.9%                 |

All performance data is based on a gross vehicle weight of 75,000 lbs (34 014 kg), 26.5x25 tires, 4x4 drive. Performance may vary due to engine performance. Gradeability data is theoretical and is limited by tire slip, stability, or oil pan design.

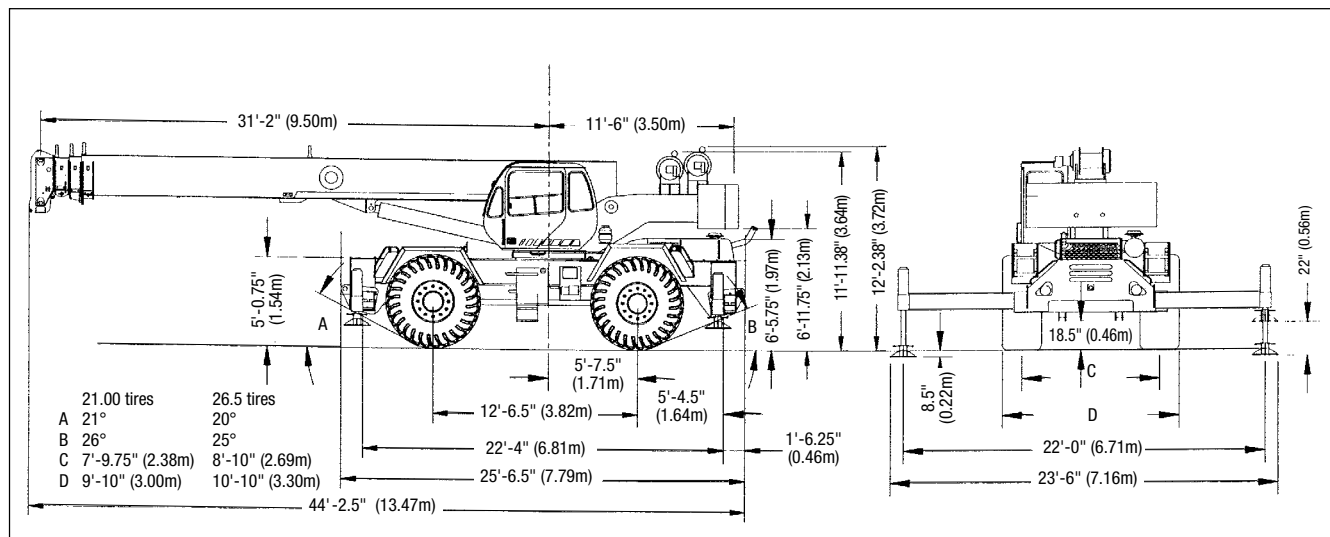




## GENERAL DIMENSIONS

### NOTES:

- Dimensions given assume the boom is fully retracted in travel position and 26.50x25 tires.
- Minimum ground clearance under:
  - transmission - 25.25"
  - axle bowls - 22.25"
  - tie rods - 25.5"



| WEIGHTS & AXLE LOADS                                | GROSS WEIGHT<br>LBS. | UPPER FACING FRONT |        | GROSS WEIGHT<br>KG. | UPPER FACING FRONT |        |
|-----------------------------------------------------|----------------------|--------------------|--------|---------------------|--------------------|--------|
|                                                     |                      | FRONT              | REAR   |                     | FRONT              | REAR   |
| Basic Crane with 14,200 lb. (6440 kg) Counterweight | 76,832               | 40,040             | 36,792 | 34 850              | 18 162             | 16 688 |
| <b>Add Options:</b>                                 |                      |                    |        |                     |                    |        |
| 32' (9.68 m) Swing-on jib (Stowed)                  | + 1,260              | +2,130             | - 870  | + 572               | + 966              | - 394  |
| 33'-57' (10.15-17.30 m) Swing-On Jib (Stowed)       | + 2,160              | +3,600             | -1,440 | + 980               | + 1,633            | - 653  |
| Auxiliary Boom Head                                 | + 100                | + 300              | - 230  | + 45                | + 136              | - 91   |
| Auxiliary Winch Controls and Plumbing Only          | + 75                 | + 0                | + 75   | + 34                | + 0                | + 34   |
| Aux. Winch with Wire Rope, Controls, Etc.           | + 264                | - 60               | + 204  | + 120               | - 27               | + 93   |
| 50T (45.3 mt) 6-Sheave Hook Block                   | + 755                | +1,130             | - 375  | + 342               | + 512              | - 170  |
| 50T (45.3 mt) 5-Sheave Hook Block                   | + 723                | +1,080             | - 357  | + 328               | + 490              | - 162  |
| 22T (20 mt) 2-Sheave Hook Block                     | + 580                | + 870              | - 290  | + 263               | + 395              | - 132  |
| 6.25T Hook and Ball (In tool box)                   | + 240                | + 290              | - 50   | + 109               | + 130              | - 21   |
| Pintle Hook:                                        |                      |                    |        |                     |                    |        |
| Front                                               | + 45                 | + 60               | - 15   | + 20                | + 27               | - 7    |
| Rear                                                | + 45                 | - 25               | + 70   | + 20                | - 11               | + 31   |
| <b>Substitute:</b>                                  |                      |                    |        |                     |                    |        |
| 21.00 x 25 28 PR Tires                              | - 400                | - 200              | - 200  | - 182               | - 91               | - 91   |
| 500' of 34x7 class spin resistant wire rope         | + 65                 | - 42               | + 107  | + 30                | + 19               | + 49   |

NOTE: Weights are for Terex supplied equipment and are subject to 2% variation due to manufacturing tolerances.

WE RESERVE THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE. THE ONLY WARRANTY APPLICABLE IS OUR STANDARD WRITTEN WARRANTY APPLICABLE TO THE PARTICULAR PRODUCT AND SALE. WE MAKE NO OTHER WARRANTY, EXPRESSED OR IMPLIED.

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