

## LARGE OTR TIRE SERVICE TRUCK

# STELLAR® 17000 OTR

## TECHNICAL SPECIFICATION GUIDE



**Designed from the ground up to provide maximum lifting performance and solid stability, the Stellar® 17000 is the largest OTR crane in the industry allowed on a single axle truck. It also offers over 18' of stabilizer spread to keep your truck stable.**

When mounted with the Stellar TM7120 Tire Manipulator, the 17000 OTR crane can handle tires up to 123" diameter and up to 7,200 lbs. Without the TM7120, the 17000 OTR crane can lift 17,000 lbs. @ 10' and 10,000 lbs. at 17' from the centerline of the crane's rotation.

The stabilizers are a fold down style with a wide stance to give excellent stability whether mounted on a single or tandem axle chassis. This stabilizer system also offers excellent service of all cylinders and hoses.

As with all Stellar OTR cranes, the 17000 incorporates a hexagonal boom design. This boom design is well known in the industry for its excellent strength and durability.



### Service Body Features

- 17' long single or 20' long tandem body
- Heavy duty steel construction
- Flatbody has eight (8) D-ring tie downs
- Stainless steel rotary slam latches
- Slide top doors on all tool compartments
- Recessed, skirt-mounted halogen floodlights
- Rubber mounted running lights
- Entire body is undercoated

### Crane Features

- Rotation is accomplished through a turnable bearing
- Fully proportional radio remote control
- Fully enclosed extension boom cylinder
- Hexagon-shaped secondary and extension
- Integral-mounted pump and PTO on chassis
- Load-holding counterbalance valves

# SPECIFICATIONS

## Specifications

### 17000 Crane

Crane Rating:	170,000 ft-lbs (23.5 t-m)
Standard Boom Length:	13' 6" (4.11 m)
Boom Extension:	Hydraulic 41" (104.14 cm)
Max. Horizontal Reach:	16' 11" (5.15 m)
Max. Vertical Lift:	25' 8" (7.82 m)
Rotation:	315 degree power (worm gear with pinion)
Lifting Capacities:	17,000 lbs. @ 10't (7,710 kg @ 3.05 m) 10,050 lbs. @ 16' 11". (4,555 kg @ 5.15 m)
Power Supply Req:	20 gpm @ 4400 psi - PTO & Pump (60 lpm @ 290 bar)

Controls:	Proportional paddle controls
Stowed Height:	102" (259.08 cm)
Mounting Space Req:	60" (152.4 cm)
Shipping Weight:	9,500 lbs. (4,310 kg)

## Specifications

### TM7120 Tire Manipulator

Tireman Capacity:	7,200 lbs @20 ft (3,265 kg @ 6.10m)
Clamping Span:	
• Fixed Pads	28" to 125" (71 cm to 318 cm)
• 90° Rotating Pads	28" to 125" (71 cm to 318 cm)
• Continuous Rotating Pads	26" to 123" (65 cm to 311 cm)
Clamp Cylinders:	3.5" (8.9 cm) bore with integral pilot operated
Tilt Cylinder:	Provided by crane extension boom
Body Rotation:	300-degree power
Rotation System:	Hourglass worm gear
Clamping Pad Rotation:	Continuous 360 degree power
Tilt:	+79 degrees to -43 degrees
Hydraulic Controls:	Incorporated with the crane controls
Shipping Weight:	2,750 lbs (1,247 kg) with Fixed Pads 3,300 lbs (1,497 kg) with 90° Rotating Pads 3,450 lbs (1,565 kg) with Cont. Rotating Pads

## Compressor

110P direct driven, mounted above deck for maintenance ease  
4-cylinder, 2-stage capable of 110 CFM @ 175 PSI



*NOTE: All Stellar cranes meet ANSI B30.22 and OSHA 1910.180 specifications.*



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10/19