

Stellar® Large OTR Tire Service Trucks

13500 OTR



To meet the demanding requirements of service technicians, Stellar has created the 13500 OTR tire service truck.

When mounted with the Stellar TM6116 Tire Manipulator, the 13500 OTR crane can handle tires up to 116" diameter and up to 6,000 lbs. Without the TM6116, the 13500 OTR crane can lift 13,500 lbs. @ 10' 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 optional tandem axle chassis. This stabilizer system also offers excellent servicability of all cylinders and hoses.

As with all Stellar OTR tire service trucks, the 13500 OTR crane 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 turntable 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



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Specifications

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Crane Rating: 135,000 ft-lbs (18.6 t-m)
Standard Boom Length: 13' 3" (4.04 m)
Boom Extension: Hydraulic 41.5" (105.4 cm)
Max. Horizontal Reach: 16' 8" (5.08 m)
Max. Vertical Lift: 24' 7" (7.49 m)
Rotation: 315 degree power (worm gear with pinion)

Lifting Capacities: 13,500 lbs. @ 10' (6,123 kg @ 3.05 m)
8,100 lbs. @ 16' 8" (3,674 kg @ 5.08 m)

Power Supply Req: 16 gpm @ 4,400 psi - PTO & Pump
(60 lpm @ 303 bar)

Controls: Fully proportional radio remote standard,
with manual controls on valve bank

Stowed Height: 97" (246.4 cm)

Mounting Space Req: 47" (119.4 cm)

Shipping Weight: 6,400 lbs. (2,903 kg)

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Tireman Capacity: 6,000 lbs @ 17' 6" (2,721 kg @ 5.33m)

Clamping Span:

• Fixed Pads 53.5" to 116" (136 cm to 295 cm)

• Cylinder Rotating Pads 52" to 114.5" (132 cm to 291 cm)

Clamp Cylinders: 2.5" (6.35 cm) bore w/pilot operated check valves

Tilt Cylinder: Provided by crane extension boom

Body Rotation: 300-degree power

Rotation System: Hourglass worm gear

Clamping Pad Rotation: Optional 90 degree rotating pads

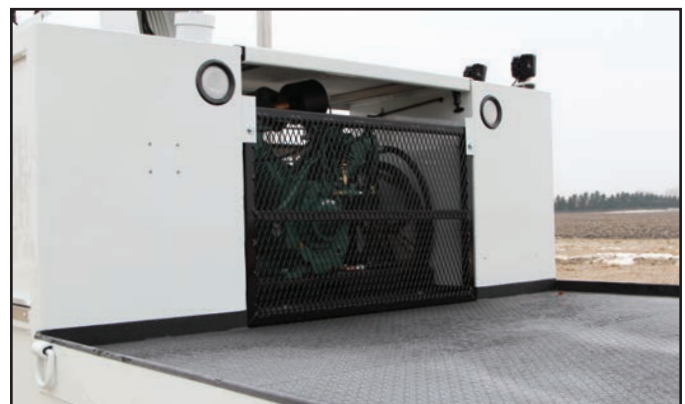
Tilt: +79 degrees to -43 degrees

Hydraulic Controls: Incorporated with the crane controls

Shipping Weight: 2,150 lbs (975 kg) with rotary pads

Compressor

SHD-245 direct driven, mounted above deck for maintenance ease
4-cylinder, 2-stage capable of 110 CFM @ 175 PSI



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