LARGE OTR TIRE SERVICE TRUCK

STELLAR® 13500 OTR

TECHNICAL SPECIFICATION GUIDE

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.

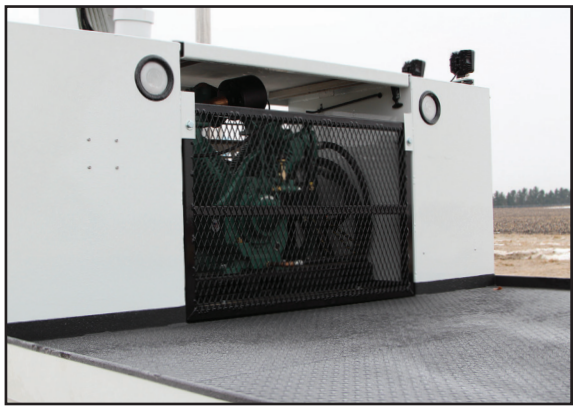
Service Body Features
- 17’ long single or 20’ long tandem body
- Heavy-duty steel construction
- Flatbody has eight (8) D-ring tie downs
- Stainless steel rotary slam latches
- Slide top doors on all tool compartments
- Recessed, skirt-mounted halogen floodlights
- Rubber mounted running lights
- Entire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

SPECIFICATIONS

Specifications	13500 Crane
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 Drive)
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)

Specifications	TM6116 Tire Manipulator
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)
• 90º 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:	2,100 lbs (953 kg) with 90º Fixed Pads 2,300 lbs (1043 kg) with 90º 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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