

LARGE OTR TIRE SERVICE TRUCK

STELLAR® 23000 OTR

TECHNICAL SPECIFICATION GUIDE



The Stellar 23000 OTR series tire service crane fits the need of OTR tire service technicians who need well rounded versatility. The 23000 OTR series is the one to turn to when you need a reliable and dependable service truck. The 315-degree crane rotation is carried out through a turntable bearing with a high torque planetary gear reduction system. The hexagon-shaped secondary and extension substantially increase boom strength over competitive square-shaped booms, ensuring solid performance.

The performance of the 23000 OTR series can be refined by the addition of the TM12154 tire manipulator. The TM12154 increases versatility and productivity while providing a safe method to handling any OTR tire up to and including a 12,000 lb., 154" tire.

The 23000/TM12154 is designed to perform in mine and construction sites worldwide. The unique parallelogram design gives the TM12154 clamping widths of 48" to 154". The TM12154 also offers 360-degree body and 90-degrees of pad rotation.



Service Body Features

- 20' long 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

23000 Crane

Crane Rating:	230,000 ft-lbs (31.8 t-m)
Standard Boom Length:	13' 4" (4.06 m)
Boom Extension:	Hydraulic 37" (94 cm)
Max. Horizontal Reach:	16' 5" (5 m)
Max. Vertical Lift:	25' (7.62 m)
Rotation:	315 degree power (planetary reduction)
Lifting Capacities:	23,000 lbs. @ 10 foot (10,480 kg @ 3.05 m) 17,250 lbs. @ 13' 4" (7,825 kg @ 4.06 m) 14,000 lbs. @ 16' 5" (6,350 kg @ 5 m)
Power Supply Req:	16 gpm @ 4200 psi - PTO & Pump (60.6 lpm @ 290 bar)
Controls:	Proportional paddle controls
Stowed Height:	114" (289.56 cm)
Mounting Space Req:	48" (121.92 cm)
Shipping Weight:	11,000 lbs. (4,990 kg)

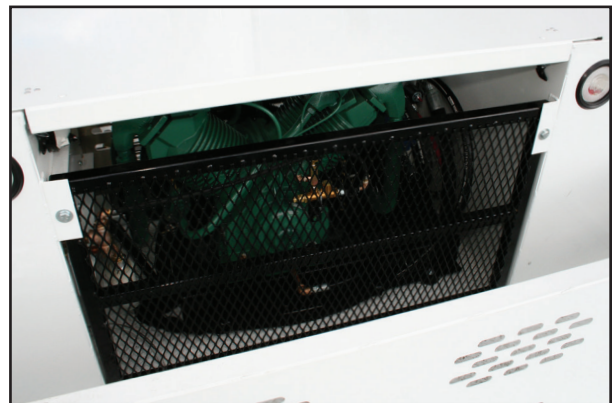
Specifications

TM12154 Tire Manipulator

Tireman Capacity:	12,000 lbs @ 17' (5,443 kg @ 5.18 m)
Clamping Span:	
• 90° Rotating Pads	43" to 153" (109 cm to 389 cm)
• Continuous Rotating Pads	43" to 153" (109 cm to 389 cm)
Clamp Cylinders:	4" (10.16 cm) w/ pilot operated check valve
Tilt Cylinder:	Provided by crane extension boom
Body Rotation:	315-degree power
Rotation System:	Rotation bearing & worm driven gear box
Clamping Pad Rotation:	89-degree power
Tilt:	+81 degrees to -20 degrees
Hydraulic Controls:	Incorporated with the crane controls
Shipping Weight:	5,200 lbs (2,359 kg) with 90° Rotating Pads 5,850 lbs (2,654 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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