Model
544D10-55
TELEHANDLER
REAR PIVOT STEER

**Performance**

**Rated Capacity**
At 24 in. (610 mm) load center, 10,000 lb (4,536 kg)

**Maximum Lift Height**
55 ft (16.8 m)

**Frame Leveling**
8 degrees

**Lift Speed (boom retracted)**
- Up: 11.9 sec
- Down: 9.3 sec

**Boom Speed**
- Extend: 18.3 sec
- Retract: 17.6 sec

**Travel Speed Forward**
- 2WD 0-19 mph (30.6 kmph)
- 4WD 0-6.5 mph (10.5 kmph)

**Drawbar Pull (Loaded)**
18,400 lb (8,346 kg)

**Operating Weight**
With 48 in. (1.2 m) carriage and forks, 34,000 lb (15,422 kg)

**Standard Specifications**

<table>
<thead>
<tr>
<th>Engine</th>
<th>Make and Model</th>
<th>Cummins QSB4.5 Turbocharged and Aftercooled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel</td>
<td>Diesel</td>
<td></td>
</tr>
<tr>
<td>Cycles</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>No. of Cylinders</td>
<td>4</td>
<td></td>
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<tr>
<td>Displacement</td>
<td>276 cu in (4.5 L)</td>
<td></td>
</tr>
<tr>
<td>Rated Speed</td>
<td>2,500 rpm</td>
<td></td>
</tr>
<tr>
<td>Max. Gross BHP</td>
<td>130 hp (97 kW)</td>
<td></td>
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<tr>
<td>Fuel Tank</td>
<td>38 gal (144 L)</td>
<td></td>
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</tbody>
</table>

**Engine Filters**
- Two-stage dry air cleaner — centrifugal pre-cleaner with continuous dust ejector plus replaceable dry filter element.
- Visual service indicator.
- Replaceable spin-on fuel filter. Full-flow replaceable spin-on engine oil filter.

**Electrical System**
- Voltage: 12V
- Alternator: 65 amp
- Battery: 1060 cold cranking amps at 0°F

**Hydrostatic Drive**
- 6,300 PSI (43,437 kPa) closed loop with piston pump and motors.
- Integral reservoir with implement hydraulics.
- 8 micron suction filter for charge pump.
- Self-contained, swashplate design, variable displacement, over center, piston pump.
- Neutral start switch. (Park brake must also be engaged to start.)
- 2WD — 4WD inching.

**Audible back-up travel alarm mounted in counterweight area signals reverse movement.**

**Axles**
- Planetary hubs with piston motors on rear axle.
- Piston motor-driven planetary front axle with high-bias differential.

**Service Brakes**
- Hydraulic wet disc brake on each front wheel.
- Hydraulic dynamic braking on front axle and both rear wheels.

**Parking Brakes**
- Wet disc spring-applied electro/hydraulic release, fail-safe on both front wheels.
- Light on dash indicates when brakes are on.

**Tires**
- Standard: 14.00 x 24 — 12PR, G2 type.

**Cab**
- Certified ROPS/FOPS structure with horn, back-up alarm and standard right side rear view mirror.
- Forward, neutral, reverse lever on left of steering column.
- Single foot pedal control provides both braking and inching for lifting while maneuvering vehicle.
- Electro/hydraulic traction lock valve for superior tractive effort.

**Steering**
- Hydraulic power steering with manual backup.
- Rear wheel steering, 90° pivot around either front tire.
- Outside turning radius is less than chassis length.

**Instruments**
- Volt meter, hourmeter, engine oil pressure, temperature, fuel gauge.
- All gauges protected by clear acrylic cover.

**Controls**
- Grouped for operator comfort and convenience.
- 2WD and 4WD switch on dash.
- Boom lift and crowd on single joystick.
- Right-hand tilt and sway lever.
- Foot throttle.
- Floor mounted traction lock switch.

**Hydraulic System**
- Single-section gear pump.
- 40 gal (151.4 L) system capacity.
- 8 micron filter with visual service indicator and suction strainer.
- Lift, telescope, tilt and sway cylinders have safety checks to prevent dropping of load in the event of hose or other hydraulic failure.

**Auxiliary Hydraulics**

**Accessories & Options**

**Enclosed Cab**
**Left Hand Tilt/Sway**
**Joystick Mounted Tilt**
**Auxiliary Electrics**
**Instant Hook**
**Light Group**
**Pintle Hook**
**Tires:**
- Foam-filled
- Rock
- Solid

**Attachments**

**Standard Carriage**
- 50 in. (1.3 m) or 60 in. (1.5 m) or 72 in. (1.8 m)

**Side-Tilt Carriage**
- 50 in. (1.3 m) or 60 in. (1.5 m) or 72 in. (1.8 m)

**Swing Carriage**
- 72 in. (1.8 m), 90 or 180 degrees

**Sheet Material Adapter**
- Tower
  - 8 ft (2.4 m), 50 in. (1.3 m) Standard or Side-tilt Carriage
- Pallet Forks
  - 2.36 x 4 x 48 in. (60 mm x 102 mm x 1.2 m)
  - 2.36 x 5 x 48 in. (60 mm x 127 mm x 1.2 m)
  - 2.00 x 6 x 72 in. (51 mm x 152 mm x 1.8 m)
- Lumber Forks
  - 1.75 x 7 x 60 in. (44 mm x 178 mm x 1.5 m)
  - 2.36 x 6 x 60 in. (60 mm x 152 mm x 1.5 m)
- Cubing Forks
  - 2 x 2 x 48 in. (51 mm x 51 mm x 1.2 m)
- Material Bucket
  - 72 in. (1.8 m), 1.0 cu yd (0.76 m³)
  - 96 in. (2.4 m), 1.5 cu yd (1.15 m³)
  - 102 in. (2.6 m), 2.0 cu yd (1.53 m³)
- Grapple Bucket
  - 96 in. (2.4 m), 1.75 cu yd (1.34 m³)
- Truss Boom
  - 12 ft (3.7 m), 2,000 lb (907 kg) capacity
  - 15 ft (4.6 m), 2,000 lb (907 kg) capacity
  - 12 ft (3.7 m) with winch, 2,000 lb (907 kg) capacity
- Fork Mounted Work Platform
  - 8 ft (2.4 m), 1,000 lb (455 kg) capacity
- Lifting Hook
Due to continuous product improvements, JLG Industries reserves the right to make specification and/or equipment changes without prior notification. This machine meets or exceeds ANSI/ITSDF B56.6-2005 as originally manufactured for intended applications.

IMPORTANT

Rated lift capacities shown are with machine equipped with carriage and pallet forks. The machine must be level on a firm surface with undamaged, properly inflated tires. Machine specifications and stability are based on rated lift capacities at specific boom angles and boom lengths. If specifications are critical, the proposed application should be discussed with your dealer.

DO NOT exceed rated lift capacity loads, as unstable and dangerous machine conditions will result.

DO NOT tip the machine forward to determine the allowable load.

Use only JLG approved attachments with proper material handler model/attachment load capacity charts displayed in the operator’s cab. OSHA requires all rough terrain forklift operators be trained according to OSHA 29 CFR 1910.178 (1).

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