## Model 534D9-45 Telehandler

### Performance

**Rated Capacity**
- At 24 in. (610 mm) load center, 9,000 lb (4,082 kg)

**Maximum Lift Height**
- 45 ft (13.7 m)

**Frame Leveling**
- 8 degrees

**Lift Speed (boom retracted)**
- Up: 11.4 sec
- Down: 9 sec

**Boom Speed**
- Extend: 15 sec
- Retract: 13 sec

**Travel Speeds Forward**
- 2WD: 0-18 mph (29 kmph)
- 4WD: 0-6 mph (9.7 kmph)

**Drawbar Pull (loaded)**
- 20,000 lb (9,072 kg)

**Operating Weight**
- With 48 in. (1.2 m) carriage and forks, 24,420 lb (11,077 kg)

### Standard Specifications

**Engine**
- Make and Model: John Deere 4045TF275 Turbocharged
- Fuel: No. 2 Diesel
- Cycles: 4
- No. of Cylinders: 4
- Displacement: 276 cu in (4.5 L)
- Rated Speed: 2,400 rpm
- Max. Gross BHP: 110 hp (82 kW)
- Fuel Tank: 38 gal (144 L)

**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: 1050 cold cranking amps at 0°F

**Hydrostatic Drive**
- 6,300 PSI (43,437 kPa) closed loop with piston pump and motors.
- All hydraulic connections ORS and Code 62 O-ring flanges.
- Common 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 and 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, limited slip 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 dashboard indicates when brakes are on.
- Frame mounted right side rear view mirror.

**Tires**
- Standard: 13:00 x 24 — 12PR, G2 type.
- Optional: Radial 13:00 x 24 — 12PR L2 rock tires.

**Cab**
- Certified ROPS/FOPS structure, adjustable seat and horn.
- 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.
- Key operated ignition/starter switch.
- 2WD — 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-Implement**
- Single-section gear pump.
- 40 gal (151.4 L) system capacity.
- 8 micron filter with visual service indicator and suction strainer.
- Lift, crowd, tilt and sway cylinders have load checks to prevent dropping of load in the event of hose or other hydraulic failure.

**Auxiliary Hydraulics**
- Used for all attachments equipped with cylinders or other hydraulic components.
- Consists of valves, controls and hydraulic lines.

**Accessories & Options**

**Cab Enclosure**
- Lockable, split door.
- Windshield wiper.
- Heater and defroster fan.

**Light Group**
- 2 cab-mounted headlights, 1-backup/tail/stoplight and rotating beacon.

**Radial and Rock Tires**
- Winch
- Left Hand Tilt/Sway Control
- Tilt on Joystick

### Attachments

**Standard Carriage**
- 48 in. (1.2 m), 66 in. (1.7 m) or 72 in. (1.8 m)

**Side Tilt Carriage**
- 48 in. (1.2 m) and 66 in. (1.7 m)

**100° Swing Carriage**
- 72 in. (1.8 m)

**Pallet Forks**
- 2 x 6 x 48 in.
- (51 mm x 152 mm x 1.2 m)

**Cubing Forks**
- 2 x 2 x 48 in.
- (51 mm x 51 mm x 1.2 m)

**Vertical Mast**
- 6 ft (1.8 m)

**100° Swing Mast**
- 6 ft (1.8 m) with 48 in. (1.2 m) or 60 in. (1.7 m) Forks

**Truss Boom With or Without Winch**
- 10 ft (3.0 m)

**Bucket**
- 0.75 cu yd (0.57 m³) or 1.25 cu yd (0.95 m³)

**Work Platform**
- Instant Hook
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).

*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 ASME B56.6-2002 as originally manufactured for intended applications.*