



GRADALL

Model
534D10-45
TELEHANDLER

Performance

Rated Capacity

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

Maximum Lift Height

45 ft (13.7 m)

Frame Leveling

8 degrees

Lift Speed (boom retracted)

Up: 10.8 sec
Down: 8.1 sec

Boom Speed

Extend: 14.5 sec
Retract: 13.4 sec

Travel Speeds Forward

2WD 0-19 mph (30.6 kmph)
4WD 0-6.5 mph (10.5 kmph)

Drawbar Pull (Loaded)

21,000 lb (9,526 kg)

Operating Weight

With 48 in. (1.2 m) carriage and forks,
25,300 lb (11,476 kg)

Standard Specifications

Engine

Make and Model	John Deere 4045TF275
Fuel	Turbocharged No. 2 Diesel
Cycles	4
No. of Cylinders	4
Displacement	276 cu in (4.5 L)
Rated Speed	2,500 rpm
Max. Gross BHP	115 hp (85 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.

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.

Frame mounted right side rear view mirror.

Tires

Standard: 14:00 x 24 – 12PR, G2 type.

Optional: Radial 14:00 x 24 – 12PR
L2 rock tires.

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-Implement

Single-section gear pump.

40 gal (151.6 L) system capacity.

8 micron filter with visual service indicator
and suction strainer.

Lift, crowd, tilt and sway cylinders have safety
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 & defroster fan.

Light Group

Consists of 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) or 66 in. (1.7 m)

100° Swing Carriage

72 in. (1.8 m) Carriage

180° Swing Carriage

72 in. (1.8 m)

100° Drywall 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)

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

Slip On Crane Hook

Instant Hook

SPECIFICATIONS