

GRADALL®

534D6-42

MATERIAL HANDLER



534D6-42

SPECIFICATIONS

Performance

Rated Capacity

At 24 in. (610 mm) load center,
6,000 lb. (2,722 kg)

Maximum Lift Height

42 ft. (12.8 m)

Frame Leveling

8 degrees

Lift Speed (boom retracted)

Empty, 83.5 f.p.m. (25.5 m/min);
Loaded 77.3 f.p.m. (23.6 m/min)

Boom Speed

Extend 112 f.p.m. (34.1 m/min)
Retract 103.75 f.p.m. (31.6 m/min)

Travel Speeds Forward and Reverse

4WD-2WD 7.5-16 mph (12-25.7 km/hr)

Operating Weight

With 48" (1.2 m) carriage and forks,
18,818 lb. (8,534 kg)

Drawbar pull

Loaded 13,750 lb. (6,236 kg)

Drive Line Specifications

Engine

Make and Model ... Cummins B3.9C-80
Fuel ... No. 2 Diesel
Cycles ... 4
No. of Cylinders ... 4
Displacement ... 239 cu. in. (3.9 L)
Rated Speed ... 2500 rpm
Max. Gross BHP ... 80 hp (60 Kw)
Fuel Tank ... 38 gal. (141 L)

Optional Engine

Make and Model ... Cummins B3.9C-110
Turbocharged, aftercooled
Max. Gross BHP ... 110 hp (82 Kw)

Engine Filters

Two-stage dry air cleaner - centrifugal
pre-cleaner with continuous dust ejector.
PLUS cleanable and replaceable dry filter
element. Visual service indicator.

Replaceable element-type fuel filter/water
separator. Full-flow replaceable-element
engine oil filter.

Electrical System

Voltage - 12V
Alternator - 63 amp
Battery - 810 Cold Cranking AMP at 0°F

Hydrostatic Drive

5500 PSI (37,923 kpa) closed loop with
piston pump and motors.

8 micron suction filter for charge pump.

All hydraulic connections ORS and Code
62 O-ring flanges.

Integral reservoir with implement hydraulics.

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

2WD - 4WD switch on dash.

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.

Axles

Planetary hubs with piston motors on
rear axle.

Piston motor-driven planetary front axle
with high-bias, limited slip differential.

Brakes

Service - 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 brake is on.

Tires

13.00x24 - 12PR, G2 type (common wheel).
Optional: 13.00R24 radial tires.

Cab

Certified FOPS/ROPS structure with horn,
back-up alarm and right side rear view
mirror.

Steering

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

Instruments

Volt meter, hour meter, engine oil pressure
gauge, fuel gauge, water temperature
gauge. All gauges protected by clear
acrylic covers.

Controls

Grouped for operator comfort and
convenience.

Boom lift and crowd on single joystick.
Right-hand tilt and sway levers.

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 safety
checks to prevent dropping of load in the
event of hose or other hydraulic failure.

Accessories & Options

Cummins B3.9C-110 turbocharged
engine

Winch

Cab Enclosure

Lockable, split door. Windshield wiper.
Heater & defroster fan.

Light Package

Rotating Beacon

Auxiliary Hydraulic Circuit

Required for all attachments equipped with
cylinders or other hydraulic components.
Consists of valves, controls, hydraulic lines.

Cold Start Package

Radial Tires

Left Hand Tilt/Sway Control

Tilt on Joystick

Attachments

Carriage

48" (1.2 m)

Carriage

66" (1.7 m)

Slope Pile Carriage

48" (1.2 m) & 66" (1.7 m)

Drywall Carriage

Swing Carriage

100°

Pallet Forks

2" x 4" x 48" (50.8 mm x 101.6 mm x 1.2 m)

Cubing Forks

2" x 2" x 48" (50.8 mm x 50.8 mm x 1.2 m)

Instant Hook

Vertical Mast

6' (1.8 m)

Swing Mast

6' (1.8 m)

Truss Boom

10' (3.0 m)

Bucket

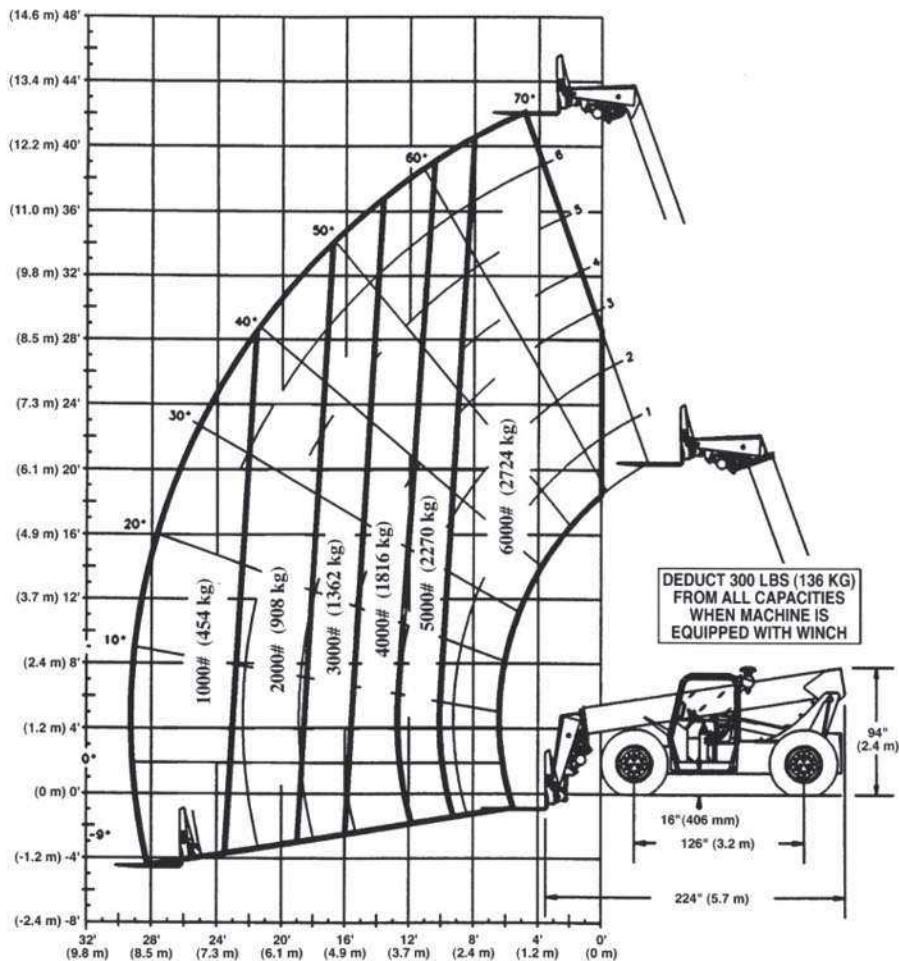
0.75 CY (0.57 m³) or 1.25 CY (0.95 m³)

Truss Boom With Winch

10' (3.0 m)

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IMPORTANT

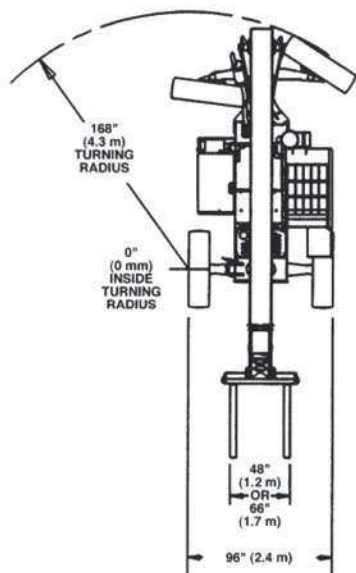
Rated lift capacities shown are with machine on a firm, level surface with undamaged, properly inflated tires. Machine specifications and stability are based on rated lift capacities at specific boom angles and boom lengths. If specifications are critical, the proposed application should be discussed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

Max. Reach:
26 ft. (7.9 m)

Max. Lift:
42 ft. (12.8 m)



This machine is designed to meet specifications of ASME B56.6b-1998. It is Gradall Policy to continually improve its products. Therefore, designs, materials and specifications are subject to change without notice and without incurring any liability on units already sold. Units shown may have optional equipment.

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