Performance

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

Maximum Lift Height
24.5 ft. (7.5 m) or 32 ft. (9.8 m)

Frame Leveling
8 degrees

Lift Speed (boom retracted)
Empty, 121 f.p.m. (36.9 m/min); Loaded 79.3 f.p.m. (24.2 m/min)

Boom Speed
Extend 107.5 f.p.m. (32.8 m/min)
Retract 131.3 f.p.m. (40 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,
524D-2S - 15,320 lb. (6,955 kg)
524D-3S - 15,926 lb. (7,230 kg)

Drawbar Pull
Loaded 12,850 lbs. (5828 kg)

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 (524 only).
2WD - 4WD switch on dash (524 only).
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 (524 only).

Axles
Planetary hubs with piston motors on rear axle (524 only).
Piston motor-driven planetary front axle with high-bias, limited slip differential.

Electro/hydraulic traction lock valve for superior tractive effort (524 only).

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

Radial Tires
Winch
Left Hand Tilt/Sway Control
Tilt on Joystick

Attachments

Carriage
48' (1.2 m) & 66' (1.7 m)

Slope Pile Carriage
48' (1.2 m) & 66' (1.7 m)

100° Swing Carriage
72' (1.8 m)

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)

Vertical Mast
6' (1.8 m) with 48' (1.2 m)
or 66' (1.7 m) Carriage

Truss Boom With or With Winch
10' (3.0 m)

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

Hydraulic System-Implement
Single-section gear-direct from engine.
40 gal. (151.4 L) system capacity,
524D MATERIAL HANDLER

524D-2S (2-Section Boom)

Max. Reach: 13 ft. (4 m)
Max. Lift: 24.5 ft. (7.5 m)

DEDUCT 300 LBS (136 KG) FROM ALL CAPACITIES WHEN MACHINE IS EQUIPPED WITH WINCH

524D-3S (3-Section Boom)

Max. Reach: 21 ft. (6.4 m)
Max. Lift: 32 ft. (9.8 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. See applicable specifications and price lists for optional equipment.

IMPORTANT
Rated lift capacities shown are with machine equipped with carriage and pallet forks and 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.

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