

# Specifications

## Grove Stevedore 4000- Specifications

**Boom** 8 ft. to 18 ft. (2.4m - 5.5m) three section full power boom. Telescoping is actuated by single lever control. Telescopic sections slide on adjustable and replaceable Nylatron wear pads. Mechanical boom angle indicator on left side of boom. Maximum Tip Height: 20 ft. (6.1m).

**Optional Swingaway Extension** 7 ft. (2.1m) swingaway boom extension stows alongside base boom section when not in use. Maximum Tip Height: 26 ft. (7.9m).

**Boom Nose** One sheave mounted on bronze bushings.

**Boom Elevation** Single double acting hydraulic cylinder with integral holding valve provides elevation from 0° to 60°.

**Cab** Frame mounted, open control station includes all crane function and driving controls, engine instrumentation and deluxe vinyl seat.

**Counterweight** Fixed, bolted to frame.

### HYDRAULIC SYSTEM

**Pumps** One main gear pump, capacity 7.5 G.P.M. (28.4 LPM) driven by carrier engine through P.T.O. (10 G.P.M. - 37.9 LPM with diesel).

**Valves** Proportional four way double acting control valves.

**Filter** (2) return line type, full flow with bypass protection 10 micron rated replaceable cartridges.

**Reservoir** 24 gallon (90.8 L) with spin-on breather filter, external sight gauges, clean out access, mounted to frame.

### HOIST SPECIFICATIONS

Power up and down equal speed, planetary reduction with automatic spring applied multi-disc brake.

#### Main Hoist HDC 100B

<b>Maximum single line speed</b>	Bottom layer	19 FPM (5.8 m/min)
	Top layer	21 FPM (6.4 m/min)

<b>Maximum single line pull</b>	Bottom layer	3,370 lbs. (1,529 kg)
	Top layer	3,050 lbs. (1,383 kg)

<b>Maximum permissible single line pull 5:1 Strength Factor</b>	3,320 lbs. (1,506 kg)
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<b>Maximum rope stowage</b>	220 ft. (67m)
	3/8 in. (9.5mm)

Note: 60 ft. (18.3m) length of wire rope and single sheave 2 ton (1.8 tonne) hookblock supplied with basic standard unit.

**Hoist options** Hoist drum cable follower.

**Frame** High strength alloy steel construction.

**Engine** ONAN CCKA 2 cylinder air cooled gasoline - 49 c.i. (.8L), 16.5 hp @ 3,600 RPM. Maximum torque: 29.5 ft. lbs. (4.1 kg/m) @ 1800 RPM.

**Optional Engine** Lombardini 7LD740 4-cycle air cooled diesel - 45 c.i. (.7L), 16.5 hp @ 3,000 RPM. Maximum torque: 30 ft. lbs. (4.1 kg/m) @ 1800 RPM.

**Fuel Tank Capacity** 13.5 gallons (51 L)

**Electrical System** One 12 volt maintenance free battery.

**Drive** 4 x 2

**Steering** Rear: Full hydraulic power controlled by steering wheel.

**Transmission** Hydrostatic.

**Axles** Front: Drive-type torque hubs (rigid mounted to the chassis).  
Rear: Wide track steer-type pivot mounted allows 2-1/4 in. (57mm) of oscillation.

**Tires** Front: 7.50x10-10PR pneumatic.  
Rear: 6.90x9-6PR pneumatic.

**Brakes** Hydraulic drum and shoe type acting on front drive wheels. Spring applied hydraulically released parking brake acting on front drive wheels.

**Lights** Full lighting package including head and tail.

**Maximum Speed** 6 MPH (10 kph)

**Maximum Gradeability** 28% (Theoretical based on 5,620 lbs. (2,549 kg GVW)).

**Gross Vehicle Weight & Axle Loads** BASIC STANDARD MACHINE  
Front 2,180 lbs. ( 989 kgs)  
Rear 3,440 lbs. (1,560 kgs)  
G.V.W. 5,620 lbs. (2,549 kgs)

**Miscellaneous Standard Equipment** Electronic backup alarm  
16 sq. ft. carry deck area

**Optional Equipment**

- \* Hourmeter
- \* Solid rubber tires
- \* Foam filled tires
- \* Maintenance platform (static capacity of 440 lbs. (195 kg) on main boom)
- \* Tool kit
- \* LP gas conversion kit (less bottle)
- \* Spark arrestor muffler

\*Denotes optional equipment.

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