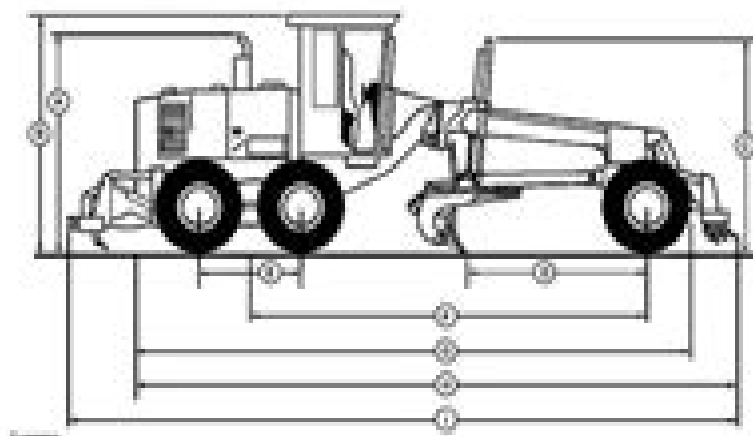


Group 0002 - General Specifications

670C, 670CH, and 672CH Specifications

-NOTES-

Specifications and design subject to change without notice. Whenever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on a machine with 22.00-24, 12-PR tubeless tires, 3.45 m (11 ft) width and with 152 mm (6 in.) cutting edge, and standard equipment. Weights include lubricants, coolant, full fuel tank and 75 kg (165 lb) operator.



Motor Grader

DIMENSIONS

- A Height to Top of Exhaust 3.13 m (10 ft 3.0 in.)
- B Height to Top of Cab 3.13 m (10 ft 3.0 in.)
- C Height to Top of Blade Lift Cylinders 2.95 m (9 ft 8.0 in.)
- D Bladebase 2.67 m (8 ft 9.0 in.)
- E Transom Axle Spacing 3.54 m (11 ft 5.8 in.)
- F Wheelbase 3.97 m (13 ft 0.0 in.)
- G Overall Length 6.58 m (21 ft 5.0 in.)
- H Overall Length with Scoop 8.52 m (28 ft 1.0 in.)
- I Overall Length with Scoop and Pallet 10.71 m (35 ft 0.0 in.)

Item	Measurement	Specification
Height to Top of Exhaust	Distance	3.13 m (10 ft 3.0 in.)
Height to Top of Cab	Distance	3.13 m (10 ft 3.0 in.)
Height to Top of Blade Lift Cylinders	Distance	2.95 m (9 ft 8.0 in.)
Bladebase	Length	2.67 m (8 ft 9.0 in.)
Transom Axle Spacing	Distance	3.54 m (11 ft 5.8 in.)
Wheelbase	Length	3.97 m (13 ft 0.0 in.)
Machine	Overall Length	6.58 m (21 ft 5.0 in.)
Machine with Scoop	Overall Length	8.52 m (28 ft 1.0 in.)
Machine with Scoop and Pallet	Overall Length	10.71 m (35 ft 0.0 in.)

470C SAE Operating Weight

(Standard equipment unless otherwise specified and not included Specifications.)

On Road Weight	Weight	3070 kg (6760 lb)
On Road Weight	Weight	3070 kg (6760 lb)
Total	Weight	3100 kg (6830 lb)

Item	Measurement	Specification
Typical Forward Traveling Height Range to Top	Height	14.00 m (45 ft 9 in.)
470C SAE Operating Weight		
(Standard equipment unless otherwise specified and not included Specifications.)		
On Road Weight	Weight	3070 kg (6760 lb)
On Road Weight	Weight	3070 kg (6760 lb)
Total	Weight	3100 kg (6830 lb)
Typical Forward Traveling Height Range to Top	Height	14.00 m (45 ft 9 in.)
470CH SAE Operating Weight		
(Standard equipment unless otherwise specified and not included Specifications.)		
On Road Weight	Weight	4170 kg (9190 lb)
On Road Weight	Weight	4000 kg (8810 lb)
Total	Weight	4100 kg (9030 lb)
Typical Forward Traveling Height Range to Top	Height	14.00 m (45 ft 9 in.)

Item Measurement Specification

John Deere POWERTECH™ 4700CH Diesel Engines Rated Power: g 2000 rpm

Power, kW (HP)	Power	151 kW gross hp (203 HP) @ 2000 rpm net hp (200 HP)
Power, kW (HP) @ 1800	Power	151 kW gross hp (203 HP) @ 1800 rpm net hp (200 HP)
Power, kW (HP) @ 1600	Power	151 kW gross hp (203 HP) @ 1600 rpm net hp (200 HP)
Power, kW (HP) @ 1400	Power	151 kW gross hp (203 HP) @ 1400 rpm net hp (200 HP)
Power, kW (HP) @ 1200	Power	171 kW gross hp (230 HP) @ 1200 rpm net hp (220 HP)
Engine	Type	Intercooled Turbo Diesel
Block and Stroke	Block and Stroke	300 mm x 327 mm (11.8 in. x 12.9 in.)
Number of Cylinders	Quantity	4
Piston Replacement	Volume	4.76 L (125.0 cu in.)
Lubrication	Type	Pressure system with full-flow filter and cooler
Cooling Fan	Type	Electric Fan
Exhaust Air Cleaner	Type	Fluid separator, dry-cell, centrifugal separator
Electrical System	Voltage	12 volt with 40 amp (1000 W) alternator
Estimated Fuel Consumption	Capacity	750 liter
	Estimated Capacity	120 minutes

Transmission

Power Shift Type Shift plus power shift, independent shift and lockout. The shifting speed below 11 mph (18 km/h) is shifting speed.

Forward Travel Speed: g 2000 rpm with 12.00-24 Tires

Gear 1	Speed	3.3 mph (5.3 km/h)
Gear 2	Speed	4.8 mph (7.7 km/h)
Gear 3	Speed	6.3 mph (10.1 km/h)
Gear 4	Speed	8.7 mph (14.0 km/h)
Gear 5	Speed	10.2 mph (16.4 km/h)
Gear 6	Speed	16.4 mph (26.4 km/h)
Gear 7	Speed	20.3 mph (32.7 km/h)
Gear 8	Speed	40.3 mph (64.8 km/h)

Reverse Travel Speeds: g 2000 rpm with 12.00-24 Tires

Gear 1	Speed	3.3 mph (5.3 km/h)
Gear 2	Speed	4.8 mph (7.7 km/h)
Gear 3	Speed	6.3 mph (10.1 km/h)
Gear 4	Speed	8.7 mph (14.0 km/h)
Gear 5	Speed	10.2 mph (16.4 km/h)
Gear 6	Speed	16.4 mph (26.4 km/h)
Gear 7	Speed	20.3 mph (32.7 km/h)
Gear 8	Speed	40.3 mph (64.8 km/h)

Hydraulic Pump (Standard and Optional)

Standard Hydraulic Pump Type (Standard pump, pressure-controlled, variable-displacement single hydraulic pump, 40 L/min (10.5 gal/min), 40.3 gal (10.5 gal) @ 2000 rpm)

John Deere 770ch Motor Grader Repair Manual

Camilla Rothe



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John Deere 770 Compact Utility Tractor Technical Service Repair Manual ,1999-03-15 **Technical Manual for Grader, Heavy, Road, Motorized, Diesel Engine Driven, SSN R038, NSN 3805-01-150-4795** ,1985 **Operation & Maintenance Manual** Caterpillar Inc.Peoria, Ill.,1995 *Operation & Maintenance Manual* Caterpillar Inc.Peoria, Ill.,1995 Motor Grader 16H Caterpillar Tractor Co,1995 **John Deere 216 Lawn and Garden Tractor Technical Service Repair Manual** ,1980-01-15 **Model D Motor Grader No. 5679 + 1924** Allis-Chalmers, **John Deere 4200 Compact Utility Tractor Technical Service Repair Manual** ,2001-04-15 **M100 Series B Motor Grader Service Manual Set Form** Fiat-Allis Construction Machinery Inc,1974* Operation & Maintenance Manual Caterpillar Inc.Peoria, Ill.,1995 **John Deere 2255 Tractor Technical Service Repair Manual** ,1987-11-15 John Deere 4040 Tractor Technical Service Repair Manual ,1988-11-15 Motor Graders D560-D680 Dominion Road Machinery Co. Limited, **John Deere 4400 Compact Utility Tractor Technical Service Repair Manual** ,2001-04-15 Motor Grader 555 WABCO Construction & Mining Equipment Group, **Motor Graders 666-777** LeTourneau-Westinghouse Company, **John Deere Shop Manual 670 770 870 970&1070** Penton Staff,2000-05-24 Diesel Models 670 770 870 970 1070 **Service Manual, 130G 140G Motor Graders** Caterpillar Tractor Company,1981* Service Manual Caterpillar Tractor Company,1981 **John Deere 2555 Tractor Technical Service Repair Manual** ,1989-11-15

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