

# 770C 770CH 772CH

CONSTRUCTION EQUIPMENT

Engine	770C	770CH	772CH
Type .....	John Deere POWERTECH™ 6081H	John Deere POWERTECH 6081H	John Deere POWERTECH 6081H
Rated power (SAE) @ 2,000 rpm (except as noted)			
All gears .....	166 gross hp (124 kW) / 155 net hp (116 kW)		
Gears 1–2 @ 1,900 rpm.....	176 gross hp (131 kW) / 165 net hp (123 kW)	192 gross hp (143 kW) / 180 net hp (134 kW)	
Gear 3 .....	181 gross hp (135 kW) / 170 net hp (127 kW)	196 gross hp (146 kW) / 185 net hp (138 kW)	
Gears 4–5.....	196 gross hp (146 kW) / 185 net hp (138 kW)	211 gross hp (157 kW) / 200 net hp (149 kW)	
Gears 6–8 @ 2,125 and 2,150 rpm.....	221 gross hp (165 kW) / 205 net hp (153 kW)	226 gross hp (169 kW) / 210 net hp (157 kW)	
Gears 1–2, HFWD on .....		196 gross hp (146 kW) / 185 net hp (138 kW)	
Gears 3–5, HFWD on .....		216 gross hp (161 kW) / 205 net hp (153 kW)	
Gears 6–7, HFWD on @ 2,150 rpm .....		226 gross hp (169 kW) / 210 net hp (157 kW)	
Aspiration .....	turbocharged with waste-gate boost pressure regulation and air-to-air aftercooler	turbocharged with waste-gate boost pressure regulation and air-to-air aftercooler	turbocharged with waste-gate boost pressure regulation and air-to-air aftercooler
Number of cylinders .....	6	6	6
Displacement.....	494 cu. in. (8.1 L)	494 cu. in. (8.1 L)	494 cu. in. (8.1 L)
Fuel consumption, typical (depending on duty cycle) .....	3 to 7.5 gal./hr. (11 to 29 L/h)	4 to 8 gal./hr. (15 to 31 L/h)	4 to 10.4 gal./hr. (15 to 40 L/h)
Net torque @ 900 rpm (40% torque rise, except as noted)			
All gears .....	549 lb.-ft. (745 Nm)		
Gears 1–2.....	570 lb.-ft. (773 Nm)	625 lb.-ft. (847 Nm)	625 lb.-ft. (847 Nm)
Gear 3 .....	625 lb.-ft. (847 Nm)	680 lb.-ft. (922 Nm)	680 lb.-ft. (922 Nm)
Gears 4–5.....	680 lb.-ft. (922 Nm)	735 lb.-ft. (997 Nm)	735 lb.-ft. (997 Nm)
Gears 6–8 (53% torque rise).....	682 lb.-ft. (925 Nm)	756 lb.-ft. (1025 Nm)	756 lb.-ft. (1025 Nm)
Gears 1–2, HFWD on .....		655 lb.-ft. (889 Nm)	655 lb.-ft. (889 Nm)
Gears 3–5, HFWD on .....		726 lb.-ft. (985 Nm)	726 lb.-ft. (985 Nm)
Gears 6–7, HFWD on (53% torque rise) .....		756 lb.-ft. (1025 Nm)	756 lb.-ft. (1025 Nm)
Lubrication .....	pressure system with full-flow filter and cooler	pressure system with full-flow filter and cooler	pressure system with full-flow filter and cooler
Air cleaner with restriction indicator .....	dual element, dry, with tangential unloader	dual element, dry, with tangential unloader	dual element, dry, with tangential unloader
Electrical system .....	24 volt with 55-amp (1320 W) alternator	24 volt with 55-amp (1320 W) alternator	24 volt with 55-amp (1320 W) alternator
Batteries (two 12 volt) .....	750 cold-cranking amps, 150-min. reserve capacity	1,400 cold-cranking amps, 440-min. reserve capacity	1,400 cold-cranking amps, 440-min. reserve capacity

## Steering

All-hydraulic-power frame articulation for maneuverability and productivity; crab steering reduces side drift, positions tandems on firm ground, and increases side slope stability; 25-degree frame articulation (both right and left)

Minimum turning radius.....	22 ft. (6.7 m)	22 ft. (6.7 m)	22 ft. 6 in. (6.86 m)
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## Front-Wheel Drive

Automatic dual path; increases tractive effort and front-end control; includes separate left and right systems with variable displacement pumps, axial piston wheel motors, free wheel at transport speeds, operator-selectable 15-position rotary aggressiveness control, inching capability down to 0 mph, and on-off control

Effective in gears 1–7 forward and reverse			
Hydrostatic pumps (2) .....	3.9 cu. in. (64 cm <sup>3</sup> ) each		
Wheel motors, variable displacement .....	1.2 to 3.7 cu. in. (20 to 60 cm <sup>3</sup> )		
Final reduction.....	38.7:1		

## Tires and Rims

Tire size	Front	Rear	Front	Rear	Front	Rear
14.00-24 on 10-in. (254 mm) rim						
Wheel tread (on ground).....	83 in. (2.11 m)	82 in. (2.08 m)	83 in. (2.11 m)	82 in. (2.08 m)	82 in. (2.08 m)	82 in. (2.08 m)
Overall width (top of tires) .....	99 in. (2.51 m)	98 in. (2.49 m)	99 in. (2.51 m)	98 in. (2.49 m)	98 in. (2.49 m)	98 in. (2.49 m)
Ground clearance (front axle) .....	25.1 in. (638 mm)		25.1 in. (638 mm)		23.1 in. (587 mm)	
17.5-25 on 14-in. (356 mm) rim						
Wheel tread (on ground).....	86 in. (2.18 m)	85 in. (2.16 m)	86 in. (2.18 m)	85 in. (2.16 m)	85 in. (2.16 m)	85 in. (2.16 m)
Overall width (top of tires) .....	105 in. (2.67 m)	104 in. (2.64 m)	105 in. (2.67 m)	104 in. (2.64 m)	104 in. (2.64 m)	104 in. (2.64 m)
Ground clearance (front axle) .....	25.1 in. (638 mm)		25.1 in. (638 mm)		23.1 in. (587 mm)	

<b>Productivity</b>	<b>770C</b>	<b>770CH</b>	<b>772CH</b>
Maximum blade pull*	27,810 lb. (12 612 kg)	27,990 lb. (12 694 kg)	43,860 lb. (19 891 kg)

\*At maximum weight, no wheel slip, and 0.9 traction coefficient.

### Operating Weights (SAE)

Typically equipped operating weights range			
up to	38,520 lb. (17 469 kg)	38,570 lb. (17 492 kg)	41,140 lb. (18 655 kg)
With standard equipment			
Front	8,790 lb. (3986 kg)	8,790 lb. (3986 kg)	10,210 lb. (4630 kg)
Rear	22,510 lb. (10 209 kg)	22,710 lb. (10 300 kg)	22,910 lb. (10 390 kg)
Total	31,300 lb. (14 195 kg)	31,500 lb. (14 286 kg)	33,120 lb. (15 020 kg)
With standard equipment and front scarifier			
Front	10,780 lb. (4888 kg)	10,780 lb. (4888 kg)	12,200 lb. (5532 kg)
Rear	22,250 lb. (10 091 kg)	22,450 lb. (10 182 kg)	22,650 lb. (10 273 kg)
Total	33,030 lb. (14 980 kg)	33,230 lb. (15 070 kg)	34,850 lb. (15 805 kg)
With standard equipment, push block, and rear ripper/scarifier			
Front	9,910 lb. (4494 kg)	9,910 lb. (4494 kg)	11,330 lb. (5138 kg)
Rear	26,120 lb. (11 846 kg)	26,320 lb. (11 937 kg)	26,520 lb. (12 028 kg)
Total	36,030 lb. (16 340 kg)	36,230 lb. (16 431 kg)	37,850 lb. (17 166 kg)

### Transmission 770C / 770CH / 772CH

Type .....direct-drive John Deere PowerShift Plus™, modulated shift on-the-go, five working speeds below 9 mph (15 km/h), inching pedal @ 2,000 rpm with 14.00-24 tires  
Forward and Reverse

Travel speeds (with no tire slip)

Shift lever position 1	2.2 mph (3.5 km/h)
Shift lever position 2	3.1 mph (5.0 km/h)
Shift lever position 3	4.4 mph (7.1 km/h)
Shift lever position 4	6.2 mph (10.0 km/h)
Shift lever position 5	9.3 mph (15.0 km/h)
Shift lever position 6	13.1 mph (21.1 km/h)
Shift lever position 7	18.3 mph (29.5 km/h)
Shift lever position 8	25.8 mph (41.5 km/h)

### Final Drives

Spiral bevel differential, inboard-mounted planetary sealed in cool, filtered oil; operator-controlled differential lock/unlock; 2-in. (51 mm) pitch tandem drive chains

### Front Axle

Heavy-duty, welded box construction; 32-degree front axle oscillation (total); 20-degree wheel lean (each direction)

### Brakes

Foot-controlled, hydraulically operated, multiple wet-disc brakes sealed in cool, filtered oil; self adjusting, maintenance free; includes spring-applied, hydraulically released parking brake; both independent braking systems effective on all four tandem wheels

### Hydraulic System

Type	closed center, pressure-controlled variable-displacement single hydraulic pump, integral hydraulic control valve, O-ring face seal fittings
Hydraulic pump	5.5 cu. in. (90 cm <sup>3</sup> )
Rated flow @ 2,000 rpm	54.7 gpm (207 L/min.)
Standby pressure	2,550 psi

### Blade Function

All-hydraulic, industry preferred hand-lever placement of blade-function controls; includes float position; easy conversion from two-hand to one-hand blade-lift control; seven blade-lift arm positions

Blade range

Lift above ground	18.5 in. (470 mm)
Blade side shift, right or left	26.9 in. (683 mm)
Shoulder reach outside wheels (frame straight)	
Right	83 in. (2.11 m)
Left	85 in. (2.16 m)
Pitch at ground line	49 degrees forward / 5 degrees back

### ROPS

Low-profile cab, full-height cab, and canopy ROPS (Rollover Protective Structure) meet criteria within SAE J1040MAY1994, ISO 3471-1997, SAE J397MAY1994, and ISO 3164

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**Mainframe** **770C / 770CH / 772CH**

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Type .....	welded box construction
Width, minimum .....	12.07 in. (306.5 mm)
Height, minimum .....	10.63 in. (270 mm)
Thickness	
Sides .....	0.63 in. (16 mm)
Top and bottom .....	1 in. (25 mm)
Weight per ft., minimum .....	118 lb.-ft. (175.5 kg/m)
Minimum vertical section modulus .....	117 cu. in. (1917 cm <sup>3</sup> )
Average vertical section modulus at saddle .....	149 cu. in. (2448 cm <sup>3</sup> )

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**Draft Frame**

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Welded box construction machined for flatness with double ball-and-socket pivot connection, equipped with replaceable wear inserts

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**Circle**

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Type .....	welded construction, heat treated for strength, machined for flatness, equipped with replaceable wear inserts
Circle diameter .....	60 in. (1.52 m)
Rotation .....	360 degrees
Drive .....	hydraulic motor and worm gear with positive position lock
Side shift	
Right .....	28.5 in. (724 mm)
Left .....	31 in. (787 mm)

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**Moldboard**

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Type .....	high-strength, wear-resistant, high-carbon steel, equipped with replaceable side-shift wear inserts
Length .....	12 ft. (3.66 m)
Height .....	24 in. (610 mm)
Thickness .....	0.88 in. (22 mm)

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**Cutting Edge**

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Type .....	Dura-Max <sup>®</sup> through-hardened steel edge
Thickness and width .....	0.62 x 6 in. (16 x 152 mm)

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**Front Scarifier**

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Type .....	V-type manual two-pitch position with hydraulic float
Width of cut .....	4 ft. (1.22 m)
Number of teeth .....	5 standard, 9 optional
Lift above ground .....	21.8 in. (554 mm)
Maximum penetration .....	13.3 in. (338 mm)
Shank size .....	1 x 3 in. (25 x 76 mm)

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**Rear Ripper / Scarifier**

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Type .....	parallelogram linkage with manual valve control and hydraulic float, tool bar for five ripper and nine scarifier shanks
Ripper	
Width of cut .....	7 ft. 3 in. (2.21 m)
Number of shanks .....	3 standard, 5 optional
Lift above ground .....	22.4 in. (569 mm)
Maximum penetration .....	17 in. (432 mm)
Shank size .....	2.25 x 5.5 in. (57 x 140 mm)
Scarifier	
Width of cut .....	7 ft. 3 in. (2.21 m)
Number of teeth .....	9
Lift above ground .....	27.8 in. (706 mm)
Maximum penetration .....	11.7 in. (297 mm)
Shank size .....	1 x 3 in. (25 x 76 mm)

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**Capacities (U.S.)**

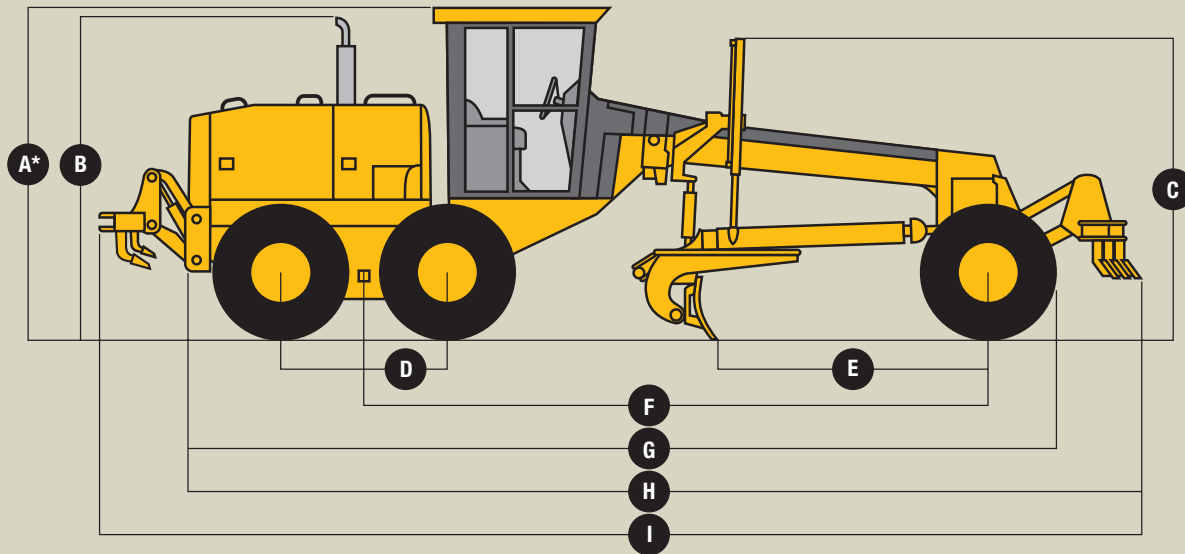
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Fuel tank .....	106 gal. (403 L)
Cooling system .....	12 gal. (46 L)
Engine lubrication, including filter .....	30 qt. (29 L)
Transmission .....	10 gal. (38 L)
Differential housing .....	9.5 gal. (36 L)
Tandem housings (each) .....	20 gal. (75 L)
Circle gearbox .....	4 qt. (3.8 L)
Hydraulic reservoir .....	15.5 gal. (59 L)

## Dimensions

## 770C / 770CH / 772CH

<b>A</b> Height to top of cab* .....	10 ft. 3 in. (3.12 m)	<b>F</b> Wheelbase .....	19 ft. 7 in. (5.97 m)
<b>B</b> Height to top of exhaust .....	10 ft. 6 in. (3.2 m)	<b>G</b> Overall length .....	28 ft. 3 in. (8.61 m)
<b>C</b> Height to top of blade-lift cylinders .....	9 ft. 9 in. (2.97 m)	<b>H</b> Overall length with scarifier .....	30 ft. 7 in. (9.32 m)
<b>D</b> Tandem axle spacing .....	5 ft. 0.8 in. (1.54 m)	<b>I</b> Overall length with scarifier and ripper .....	33 ft. 6 in. (10.21 m)
<b>E</b> Blade base .....	8 ft. 9 in. (2.67 m)	*Add 8.3 in. (210 mm) for full-height cab.	



## Optional or Special Equipment With

### Approximate Weights

### 770C / 770CH / 772CH

Add these weights to SAE standard equipment operating weight to obtain total operating weight.

Coolant heater .....	2 lb. (1 kg)	Front weight .....	550 lb. (250 kg)
Rotary ejector precleaner .....	12 lb. (5 kg)	Push block, front .....	1,750 lb. (793 kg)
Alternator, 100 amp (2400 W) .....	17 lb. (8 kg)	Rear hitch .....	61 lb. (28 kg)
Blade lights (two mounted under cab) .....	4 lb. (2 kg)	Ripper/scarifier, rear mounted with hitch, three ripper shanks, and nine scarifier teeth .....	3,000 lb. (1350 kg)
Worklights (two front, two rear) .....	12 lb. (5 kg)	Scarifier, front mounted with five teeth .....	1,730 lb. (785 kg)
24-volt to 12-volt 5-amp converter .....	3 lb. (1 kg)	Tires	
24-volt to 12-volt 10-amp converter .....	3 lb. (1 kg)	14.00-24, 12 PR GR .....	108 lb. (49 kg)
Auxiliary function valve for front-mounted equipment .....	3 lb. (1 kg)	17.5-25, 12 PR L2 .....	372 lb. (169 kg)
Auxiliary function valve for rear-mounted equipment .....	50 lb. (23 kg)	18.4-24, 10 PR G2 .....	534 lb. (242 kg)
Hydraulics for front-mounted equipment .....	19 lb. (9 kg)	14.00-R24, Radial, XGLA-2 .....	426 lb. (193 kg)
Moldboards with through-hardened Dura-Max® cutting edge		14.00-R24, Radial, SnoPlus .....	570 lb. (259 kg)
12 ft. x 24 in. (3.66 m x 610 mm) with 0.75 x 8 in. (19 x 203 mm) .....	126 lb. (57 kg)	17.5-R25, Radial, XTLA .....	558 lb. (253 kg)
13 ft. x 24 in. (3.96 m x 610 mm) with 0.62 x 6 in. (16 x 152 mm) .....	60 lb. (27 kg)	17.5-R25, Radial, SnoPlus .....	684 lb. (310 kg)
13 ft. x 24 in. (3.96 m x 610 mm) with 0.75 x 8 in. (19 x 203 mm) .....	119 lb. (54 kg)	17.5-R25, Radial, XHA L3 .....	786 lb. (357 kg)
14 ft. x 24 in. (4.27 m x 610 mm) with 0.62 x 6 in. (16 x 152 mm) .....	196 lb. (89 kg)	10-in. x 24-in. multi-piece rims .....	438 lb. (199 kg)
14 ft. x 24 in. (4.27 m x 610 mm) with 0.75 x 8 in. (19 x 203 mm) .....	265 lb. (120 kg)	14-in. x 25-in. multi-piece rims .....	561 lb. (254 kg)
Extensions, 2 ft. (610 mm) right or left (less cutting edge) .....	220 lb. (100 kg)	Air conditioner, roof mounted with ducting, R134a refrigerant, pressurizer, and heavy-duty alternator .....	177 lb. (80 kg)
Overlay end bits (one pair)		Cab, full height with ROPS .....	82 lb. (37 kg)
For 6-in. (152 mm) cutting edge .....	62 lb. (28 kg)	Canopy, low profile with ROPS .....	- 226 lb. (- 103 kg)
For 8-in. (203 mm) cutting edge .....	77 lb. (35 kg)	Control conversion (moves left-hand blade control to right-hand side) .....	2 lb. (1 kg)
Extreme-duty circle and moldboard side-shift wear inserts .....	39 lb. (18 kg)	Defroster fan .....	4 lb. (2 kg)
Bottom guard, heavy duty .....	350 lb. (159 kg)	Defroster fans (dual) .....	8 lb. (4 kg)
Dozer blade, front mounted - 106 x 31.6 in. (2.69 m x 803 mm) .....	1,490 lb. (676 kg) / 4.3 in. (109 mm) dig below ground / 29.9 in. (759 mm) lift above ground	Heater, roof mounted with ducting - 40,000 Btu/hr. (11.7 kW) with pressurizer .....	31 lb. (14 kg)
		Heater, under seat - 20,000 Btu/hr. (5.8 kW) .....	15 lb. (7 kg)
		Windows, openable lower front .....	7 lb. (3 kg)
		Wipers/washers, lower-front windows .....	7 lb. (3 kg)

670C / 670CH / 672CH / 770C / 770CH / 772CH Series II Motor Graders

Key: ● Standard equipment ▲ Optional or special equipment

See your John Deere dealer for further information.

670C	670CH	770C	770CH	Engine
●	●	●	●	Meets EPA Tier II non-road emissions regulations
●	●	●	●	Self-diagnostic with service-code display
●	●	●	●	Rubber isolation mounting to reduce noise and vibration
●	●	●	●	Altitude-compensating turbocharger
●	●	●	●	Waste-gate turbocharger
●	●	●	●	Vertical spin-on engine oil filter
●	●	●	●	Air-to-air aftercooling for low-engine-speed lugging
●	●	●	●	Environmentally friendly engine oil drain valve and hose
●	●	●	●	Quick-release dual-stage fuel filter with primer pump
●	●	●	●	Fuel/water separator and visual sediment bowl
●	●	●	●	Dual air cleaner elements, radial seal, dry type
●	●	▲	▲	Rotary ejector precleaner
●	●	●	●	Self-draining muffler with curved stack
●	●	●	●	Blower-type cooling fan
●	●	●	●	Variable horsepower
●	●	●	●	Electric fuel shutoff
●	●	●	●	Safety fan guard
●	●	●	●	Extended-life engine coolant -34°F (-37°C)
●	●	●	●	Engine coolant surge tank
●	●	●	●	Serpentine belt with automatic tensioner
▲	▲	▲	▲	Electric intake manifold heaters for cold-weather starting
●	●	●	●	Glow plugs
▲	▲	▲	▲	Engine coolant heater, 1,000 W, 110 volt

**Transmission**

670C	670CH	770C	770CH	Transmission
●	●	●	●	John Deere PowerShift Plus™, direct drive, countershaft, eight speeds forward and eight speeds reverse
●	●	●	●	Electronic shift modulation
●	●	●	●	Over-speed protection
●	●	●	●	Self-diagnostic with service-code display
●	●	●	●	Industry standard U-shaped shift pattern
●	●	●	●	Transmission neutral lock, safety start switch
●	●	●	●	Rubber isolation mounting to reduce noise and vibration
●	●	●	●	Easy-access vertical spin-on oil filter
●	●	●	●	Separate oil lubrication, filtration, and cooling system
●	●	●	●	Quick-disconnect transmission test ports

**Axle, Final Drive, and Brakes**

670C	670CH	770C	770CH	Axle, Final Drive, and Brakes
●	●	●	●	Operator-controlled, hydraulically operated differential lock
●	●	●	●	Spiral bevel planetary final drives
●	●	●	●	Separate oil lubrication, filtration, and cooling system
●	●	●	●	Inboard, wet multi-disc brakes
●	●	●	●	Primary and secondary brakes, SAE J / ISO 3450
●	●	●	●	Spring-applied, hydraulically released parking brake, SAE J / ISO 3450

**Electrical**

670C	670CH	770C	770CH	Electrical
●	▲	●	▲	Heavy-duty, low-maintenance, 750 CCA, 150-min. reserve capacity batteries (2)
▲	●	▲	●	Heavy-duty, low-maintenance, 1,400 CCA, 440-min. reserve capacity batteries (2)
●	●	●	●	55-amp alternator
▲	▲	▲	▲	100-amp alternator
●	●	●	●	Bypass start safety cover on starter
●	●	●	●	Electrical load center with ground-level access
●	●	●	●	Individual circuit protection, blade-type fuses/breakers

670C	670CH	770C	770CH	Electrical (continued)
●	●	●	●	Electrical master disconnect switch
●	●	●	●	Positive terminal battery covers
●	●	●	●	High-output halogen driving lights (2)
●	●	●	●	Cab prewired for rotating beacon, roof lights, and radio
●	●	●	●	Electric horn, SAE J1446
●	●	●	●	Reverse warning alarm, 112 db(A), SAE J994
●	●	●	●	Rear stop lights (2)
●	●	●	●	Front and rear turn signals (2)
▲	▲	▲	▲	Blade lights (2)
▲	▲	▲	▲	Worklights, front (2) and rear (2)
▲	▲	▲	▲	LED brake and turn lights

**Hydraulics**

670C	670CH	770C	770CH	Hydraulics
●	●	●	●	Separate reservoir, filtration, and cooling system
●	●	●	●	45.6-gpm (173 L/min.) axial-piston main pump
▲	▲	●	●	54.7-gpm (207 L/min.) axial-piston main pump
●	●	●	●	O-ring face seal fittings
●	●	●	●	Floater position on blade cylinders
▲	▲	▲	▲	Conversion kit from two-hand to one-hand blade lift
▲	▲	▲	▲	Hydraulic pump disconnect for cold-weather starting

**HFWD (672CH and 772CH only)**

670C	670CH	770C	770CH	HFWD (672CH and 772CH only)
●	●	●	●	Effective in gears 1-4
●	●	●	●	Effective in gears 1-7
●	●	●	●	15-position aggressiveness control
●	●	●	●	Automatically increases tractive effort and steering control
●	●	●	●	Axial-piston pumps (2) with separate left and right systems
●	●	●	●	Inching capability to 0 mph

**Blade Functions**

670C	670CH	770C	770CH	Blade Functions
●	●	●	●	Industry preferred control pattern
●	●	●	●	Seven-position saddle

**Draft Frame**

670C	670CH	770C	770CH	Draft Frame
●	●	●	●	Double ball and socket for extreme-reach positions left and right
●	●	●	●	Replaceable wear inserts

**Circle**

670C	670CH	770C	770CH	Circle
●	●	●	●	Nylon wear inserts
▲	▲	▲	▲	Extreme-service bronze wear inserts
●	●	●	●	360-degree rotation
▲	▲	▲	▲	Circle drive with slip clutch

**Moldboard**

670C	670CH	770C	770CH	Moldboard
●	●	●	●	12-ft. x 24-in. x 0.88-in. (3.66 m x 610 mm x 22 mm) high strength, wear resistant
▲	▲	▲	▲	13-ft. x 24-in. x 0.88-in. (3.96 m x 610 mm x 22 mm) high strength, wear resistant
▲	▲	▲	▲	14-ft. x 24-in. x 0.88-in. (4.27 m x 610 mm x 22 mm) high strength, wear resistant
●	●	●	●	Standard-duty wear inserts
▲	▲	▲	▲	Extreme-service wear inserts

**Cutting Edge**

670C	670CH	770C	770CH	Cutting Edge
●	●	●	●	0.62-in. x 6-in. (16 mm x 152 mm) Dura-Max® through-hardened steel
▲	▲	▲	▲	0.75-in. x 8-in. (19 mm x 203 mm) Dura-Max through-hardened steel

**Front Attachments**

670C	670CH	770C	770CH	Front Attachments
▲	▲	▲	▲	Push block
▲	▲	▲	▲	Front weight, 550 lb.
▲	▲	▲	▲	V-type scarifier with floater position, five shanks
▲	▲	▲	▲	Dozer blade

670C	670CH	770C	770CH	Rear Attachments
▲	▲	▲	▲	Auxiliary hydraulics for front-mounted equipment
▲	▲	▲	▲	Ripper/scarifier combination with parallelogram linkage
▲	▲	▲	▲	Bottom guard
▲	▲	▲	▲	Side panels for bottom guard

**Tires and Rims**

670C	670CH	770C	770CH	Tires and Rims
●	●	●	●	Single-piece rims
●	●	●	●	Three-piece rims
▲	▲	▲	▲	13.00-24 in. G2, 10 PR
▲	▲	▲	▲	13.00-24 in. G2, 12 PR
▲	▲	▲	▲	14.00-24 in. G2, 10 PR
▲	▲	▲	▲	14.00-24 in. G2, 12 PR
▲	▲	▲	▲	15.5-25 in. L2, 12 PR
▲	▲	▲	▲	17.5-25 in. L2, 12 PR
▲	▲	▲	▲	18.4-24 in.
▲	▲	▲	▲	14.00-R24 radial
▲	▲	▲	▲	15.5-R25 radial
▲	▲	▲	▲	17.5-R25 in. radial

**Operator's Station**

670C	670CH	770C	770CH	Operator's Station
●	●	●	●	Low-profile ROPS cab
▲	▲	▲	▲	ROPS canopy
▲	▲	▲	▲	Full-height ROPS cab
●	●	●	●	Adjustable front console with tilt steering wheel
●	●	●	●	Gauges: Fuel level / Engine coolant temperature / Rear steer indicator
●	●	●	●	Monitor system with warning lights: Park brake on / Service brake pressure and/or audible alarm / Hydraulic oil temperature / Transmission oil temperature / Engine oil pressure / Alternator voltage / Differential lock filter restriction / Engine air filter restriction / Wait to start (cold start) / Transmission oil filter restriction / Hydraulic oil filter restriction / Differential lock engaged / Saddle lock pin disengaged / Service code warning
●	●	●	●	HFWD charge pressure with audible alarm / HFWD charge filter restriction / HFWD temperature (672CH and 772CH only)
●	●	●	●	Lighted HFWD on-off switch (672CH and 772CH only)
●	●	●	●	Selectable display on monitor: Transmission gear and direction / Vehicle speed (mph) / Vehicle speed (km/h) / Engine speed (rpm) / Hourmeter / Alternator voltage / Service codes
●	●	●	●	Indicators: Turn signal / Four-way flasher
●	●	●	●	Instrument lights
●	●	●	●	Interior lights
●	●	●	●	Rearview mirrors (SAE J965): Exterior (2) / Interior
▲	▲	▲	▲	Deluxe mechanical-suspension seat
▲	▲	▲	▲	Deluxe air-suspension seat
●	●	●	●	Retractable seat belt, 2 in., SAE J388
▲	▲	▲	▲	Retractable seat, 3 in., SAE J388
●	●	●	●	Tinted glass
●	●	●	●	Front windshield wiper
▲	▲	▲	▲	Wipers for lower-front windows
▲	▲	▲	▲	Rear wiper
▲	▲	▲	▲	Front and rear windshield washers
▲	▲	▲	▲	Openable lower-front windows
▲	▲	▲	▲	Air conditioning
▲	▲	▲	▲	Defroster fan(s)
▲	▲	▲	▲	Heater, 40,000 Btu/hr. (11.7 kW), roof mounted
▲	▲	▲	▲	Heater, 20,000 Btu/hr. (5.8 kW), floor mounted
▲	▲	▲	▲	Radio, AM/FM/weatherband
▲	▲	▲	▲	Radio, AM/FM/weatherband with cassette
▲	▲	▲	▲	Radio, AM/FM/weatherband with CD



JOHN DEERE

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 70 020, using No. 2-D fuel at 35 API gravity. No derating is required up to 10,000-ft. (3050 m) altitude. Gross power is without cooling fan.

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with 12-ft. (3.66 m) moldboards with 0.62-in. x 6-in. (16 mm x 152 mm) cutting edges and standard equipment; 670C, 670CH, and 672CH units with 13.00-24, 8 PR tubeless tires; 770C and 770CH units with 14.00-24, 10 PR tubeless tires; and 772CH unit with 14.00-24, 12 PR tubeless tires. Weights include lubricants, coolants, full fuel tanks, and 175-lb. (79 kg) operators.

