

New Holland TJ 4WD Tractors Specifications



TJ275 TJ325 TJ375 TJ375HD TJ375 Scraper

MODEL	TJ275	TJ325	TJ375	TJ375HD	TJ375 Scraper
ENGINE					
Type	CDC 6TAA-8304	CDC 6TAA-9004	Cummins QSX 15	Cummins QSX 15	Cummins QSX 15
Aspiration	Turbocharged and charge air cooled				
Displacement	505 cu. in. (8.3 L)	543 cu. in. (9.0 L)	915 cu. in. (15.0 L)	915 cu. in. (15.0 L)	915 cu. in. (15.0 L)
Engine horsepower	275 hp (207 kW)	325 hp (242 kW)	375 hp (280 kW)	375 hp (280 kW)	375 hp (280 kW)
PTO horsepower	225 hp (168 kW)	270 hp (201 kW)	330 hp (246 kW)	330 hp (246 kW)	330 hp (246 kW)
Power growth at 1800 rpm	25 hp (19 kW)	25 hp (19 kW)	35 hp (26 kW)	35 hp (26 kW)	35 hp (26 kW)
Peak power	300 hp (227 kW)	350 hp (262 kW)	410 hp (306 kW)	410 hp (306 kW)	410 hp (306 kW)
Torque Rise	40%	35%	40%	40%	40%
Peak Torque	1022 lb-ft (1386 Nm)	1150 lb-ft (1560 Nm)	1380 lb-ft (1871 Nm)	1380 lb-ft (1871 Nm)	1380 lb-ft (1871 Nm)
Engine Torque rise	40%	35%	40%	40%	40%
Bore & Stroke	4.49 x 5.31 (114 x 135 mm.)	4.49 x 5.69 (114 x 144.5 mm.)	5.4 x 6.7 (137 x 1169 mm.)	5.4 x 6.7 (137 x 1169 mm.)	5.4 x 6.7 (137 x 1169 mm.)
Rated engine speed	2000 rpm	2000 rpm	2000 rpm	2000 rpm	2000 rpm
Engine idle speed	850 rpm	850 rpm	875 rpm	875 rpm	875 rpm
CAPACITIES					
Fuel Tanks	200 gal. (758 L)	200 gal. (758 L)	300 gal. (1136 L)	300 gal. (1136 L)	300 gal. (1136 L)
Engine Crankcase with filter	6.3 U.S. gal. (23.8 L)	7.3 U.S. gal. (27.6 L)	13 U.S. gal. (49.2 L)	13 U.S. gal. (49.2 L)	13 U.S. gal. (49.2 L)
Coolant System	11.4 U.S. gal. (43.2 L)	12.5 U.S. gal. (47.3 L)	21.1 U.S. gal. (80.3 L)	21.1 U.S. gal. (80.3 L)	21.1 U.S. gal. (80.3 L)
TRANSMISSIONS					
Standard	16 x 2 Powershift	16 x 2 Powershift	16 x 2 Powershift	16 x 2 Powershift	16 x 2 Powershift
Optional	24 x 6 Hi-Low Synchroshift	24 x 6 Hi-Low Synchroshift	24 x 6 Hi-Low Synchroshift	24 x 6 Hi-Low Synchroshift	NA
BRAKES	Integral hydraulic wet disk	Integral hydraulic wet disk	Integral hydraulic wet disk	Integral hydraulic wet disk	Integral hydraulic wet disk
HYDRAULICS					
Type	Parallel PFC	Parallel PFC	Parallel PFC	Parallel PFC	Parallel PFC
Remote valves (standard/optional)	4/5	4/5	4/5	4/5	4/5
Standard hydraulic pump capacity	40 gpm (151.4 lpm)	40 gpm (151.4 lpm)	40 gpm (151.4 lpm)	40 gpm (151.4 lpm)	55 gpm (208 lpm)
Optional MegaFlow pump capacity	75 gpm (284 lpm)	90 gpm (340 lpm)	90 gpm (340 lpm)	90 gpm (340 lpm)	90 gpm (340 lpm)
Rated flow at one remote @ 2200 psi (152 bar)	35 gpm. (132.4 lpm.)	35 gpm. (132.4 lpm.)	35 gpm. (132.4 lpm.)	35 gpm. (132.4 lpm.)	35 gpm. (132.4 lpm.)
STEERING	Articulated, full priority, double-acting cylinders				
AXLES					
Final drive	3-gear inboard planetary	3-gear inboard planetary	4-pinion planetary	Compound planetary	Compound planetary
Bar diameter	4 in. (102 mm.)	4 in. (102 mm.)	4.5 in. (115 mm.)	4.5 in. (115 mm.)	4.5 in. (115 mm.)
ELECTRICAL					
Type	12-volt negative ground	12-volt negative ground	12-volt negative ground	12-volt negative ground	12-volt negative ground
Alternator	135 amp output	135 amp output	135 amp output	135 amp output	135 amp output
Optional alternator	NA	NA	160 amp output	160 amp output	160 amp output
Batteries	Two, 12-volt 1000 CCA	Two, 12-volt 1000 CCA	Three, 12-volt 1000 CCA	Three, 12-volt 1000 CCA	Three, 12-volt 1000 CCA
PTO (optional)	1000 rpm	1000 rpm	1000 rpm	1000 rpm	1000 rpm
3-POINT HITCH (optional)					
Type	Cat. IV-N	Cat. IV-N	Cat. IV-N	Cat. IV-N	Cat. IV-N
Lift capacity @ 24 in. (610 mm.)	14,500 lb. (6577 kg.)	14,500 lb. (7258 kg.)	19,500 lb. (8845 kg)	19,500 lb. (8845 kg)	19,500 lb. (8845 kg)
DIMENSIONS					
Maximum height, 18.4 R 46 tires)	145.2 in. (368.8 cm.)	145.2 in. (368.8 cm.)	152.1 in. (386 cm.)	152.1 in. (386 cm.)	152.1 in. (386 cm.)
Maximum overall length	295.5 in. (751 cm.)	295.5 in. (751 cm.)	317.5 in. (806 cm.)	317.5 in. (806 cm.)	317.5 in. (806 cm.)
Outside frame width	36.5 in. (94 cm.)	36.5 in. (94 cm.)	44 in. (112 cm.)	44 in. (112 cm.)	44 in. (112 cm.)
Wheelbase	139 in. (353 cm.)	139 in. (353 cm.)	154 in. (391 cm.)	154 in. (391 cm.)	154 in. (391 cm.)
Frame articulation	42° left/right	42° left/right	42° left/right	42° left/right	42° left/right
Frame oscillation	11° (22° total)	11° (22° total)	13° (26° total)	13° (26° total)	13° (26° total)
Centerline turn radius	15.8 ft. (4.8 m.)	15.8 ft. (4.8 m.)	16.7 ft. (5.1 m.)	16.7 ft. (5.1 m.)	16.7 ft. (5.1 m.)

New Holland TJ 4WD Tractors Specifications



TJ475 TJ425 Scraper TJ450 TJ450 Scraper

MODEL	TJ425	TJ425 Scraper	TJ450	TJ450 Scraper
ENGINE				
Type	Cummins QSX 15	Cummins QSX 15	Cummins QSX 15	Cummins QSX 15
Aspiration	Turbocharged and charge air cooled			
Displacement	915 cu. in. (15.0 L)	915 cu. in. (15.0 L)	915 cu. in. (15.0 L)	915 cu. in. (15.0 L)
Engine horsepower	425 hp (317 kW)	425 hp (317 kW)	450 hp (335 kW)	450 hp (335 kW)
PTO horsepower	370 hp (276 kW)	370 hp (276 kW)	395 hp (295 kW)	395 hp (295 kW)
Power growth at 1800 rpm	35 hp (26 kW)	35 hp (26 kW)	40 hp (30 kW)	40 hp (30 kW)
Peak power	460 hp (343 kW)	460 hp (343 kW)	490 hp (365 kW)	490 hp (365 kW)
Torque Rise	43%	43%	41%	41%
Peak Torque	1594 lb-ft (2162 Nm)	1594 lb-ft (2162 Nm)	1669 lb-ft (2263 Nm)	1669 lb-ft (2263 Nm)
Engine Torque rise	43%	43%	41%	41%
Bore & Stroke	5.4 x 6.7 (137 x1169 mm.)	5.4 x 6.7 (137 x1169 mm.)	5.4 x 6.7 (137 x1169 mm.)	5.4 x 6.7 (137 x1169 mm.)
Rated engine speed	2000 rpm	2000 rpm	2000 rpm	2000 rpm
Engine idle speed	875 rpm	875 rpm	875 rpm	875 rpm
CAPACITIES				
Fuel Tanks	300 gal. (1136 L)	300 gal. (1136 L)	300 gal. (1136 L)	300 gal. (1136 L)
Engine Crankcase with filter	13 U.S. gal. (49.2 L)	13 U.S. gal. (49.2 L)	13 U.S. gal. (49.2 L)	13 U.S. gal. (49.2 L)
Coolant System	21.1 U.S. gal. (80.3 L)	21.1 U.S. gal. (80.3 L)	21.1 U.S. gal. (80.3 L)	21.1 U.S. gal. (80.3 L)
TRANSMISSIONS				
Standard	16 x 2 Powershift	16 x 2 Powershift	16 x 2 Powershift	16 x 2 Powershift
Optional	24 x 6 Hi-Low Synchroshift	NA	NA	NA
BRAKES				
	Integral hydraulic wet disk	Integral hydraulic wet disk	Integral hydraulic wet disk	Integral hydraulic wet disk
HYDRAULICS				
Type	Parallel PFC	Parallel PFC	Parallel PFC	Parallel PFC
Remote valves (standard/optional)	4/5	4/5	4/5	4/5
Standard hydraulic pump capacity	40 gpm (151.4 lpm)	55 gpm (208 lpm)	40 gpm (151.4 lpm)	55 gpm (208 lpm)
Optional MegaFlow pump capacity	90 gpm (340 lpm)	90 gpm (340 lpm)	90 gpm (340 lpm)	90 gpm (340 lpm)
Rated flow at one remote @ 2200 psi (152 bar)	35 gpm. (132.4 lpm.)	35 gpm. (132.4 lpm.)	35 gpm. (132.4 lpm.)	35 gpm. (132.4 lpm.)
STEERING				
	Articulated, full priority, double-acting cylinders			
AXLES				
Final drive	4-pinion or compound planetary	Compound planetary	Compound planetary	Compound planetary
Bar diameter	4.5 in. (115 mm.)	4.5 in. (115 mm.)	4.5 in. (115 mm.)	4.5 in. (115 mm.)
ELECTRICAL				
Type	12-volt negative ground	12-volt negative ground	12-volt negative ground	12-volt negative ground
Alternator	135 amp output	135 amp output	135 amp output	135 amp output
Optional alternator	160 amp output	160 amp output	160 amp output	160 amp output
Batteries	Three, 12-volt 1000 CCA	Three, 12-volt 1000 CCA	Three, 12-volt 1000 CCA	Three, 12-volt 1000 CCA
PTO (optional)				
	1000 rpm	1000 rpm	1000 rpm	1000 rpm
3-POINT HITCH (optional)				
Type	Cat. IV-N	Cat. IV-N	Cat. IV-N	Cat. IV-N
Lift capacity @ 24 in. (610 mm.)	19,500 lb. (8845 kg)	19,500 lb. (8845 kg)	19,500 lb. (8845 kg)	19,500 lb. (8845 kg)
DIMENSIONS				
Maximum height, 18.4 R 46 tires	152.1 in. (386 cm.)	152.1 in. (386 cm.)	152.1 in. (386 cm.)	152.1 in. (386 cm.)
Maximum overall length	317.5 in. (806 cm.)	317.5 in. (806 cm.)	317.5 in. (806 cm.)	317.5 in. (806 cm.)
Outside frame width	44 in. (112 cm.)	44 in. (112 cm.)	44 in. (112 cm.)	44 in. (112 cm.)
Wheelbase	154 in. (391 cm.)	154 in. (391 cm.)	154 in. (391 cm.)	154 in. (391 cm.)
Frame articulation	42° left/right	42° left/right	42° left/right	42° left/right
Frame oscillation	13° (26° total)	13° (26° total)	13° (26° total)	13° (26° total)
Centerline turn radius	16.7 ft. (5.1 m.)	16.7 ft. (5.1 m.)	16.7 ft. (5.1 m.)	16.7 ft. (5.1 m.)