ENGINE

John Deere engineered and manufactured 6-cylinder diesel engine. Replaceable wet-type cylinder liners help ensure superior heat dissipation, longer engine life. High-strength alloy heads include replaceable valve seat inserts. The forged steel, 7-main bearing crankshift is statically and dynamically balanced for smooth operation. Cast aluminum pistons reduce rod bearing loads and provide vital heat transfer; pistons are sprayed with cooling oil for longer life.

Engine: John Deere 6068T

Rated power at 2100 rpm	140 SAE net hp (104 kW)
	148 SAE gross hp (110 kW)
Turbocharger	standard
Cylinders	6
Displacement	414 cu. in. (6.785 L)
Fuel consumption, typical	3.5 to 5.0 gal./hr. (13.5 to 19 L/h)
Maximum net torque at 1300 rpm	420 lb.-ft. (570 Nm)
Lubrication	pressure system with full-flow filters
Air cleaner	dry type with restriction indicator
Electrical system	24-volt with 40-amp alternator
Cooling fan	blower

TRANSMISSION

Automatic, dual-path, hydrostatic drive provides infinitely variable speeds to 6.7 mph (10.8 km/h). The transmission's load sensing feature automatically adjusts speed and power to match changing load conditions. Each track is powered by a variable displacement piston pump and motor combination. The speed and direction of each track can be individually controlled.

TRAVEL SPEEDS

Forward and reverse	infinite to 6.7 mph (0 to 10.8 km/h)

FINAL DRIVES

Double-reduction, planetary final drives transfer torque loads over three gear sets instead of one. The final drives are mounted independently of the track frames to isolate them from shock loads for increased life and reliability.

BRAKES

Hydrostatic (dynamic) braking stops the crawler when the transmission control lever is moved to neutral. Wet, multi-disk parking brakes are automatically applied when the engine stops, when the neutral lever is placed in start position, or can be operator-applied by engaging the center brake pedal.

STEERING

Steering is done hydrostatically by varying track speed and/or direction. Depressing a pedal slows or varies the speed of the track, all the way to a stop if desired. Continuing to depress the pedal will cause the track to reverse for counterrotation. Hydrostatic steering eliminates the need for steering clutches and steering brakes, as well as the need for cross-steering when working on steep slopes.

HYDRAULICS

System	open center
Pressure	2500 psi (17 237 kPa)
Pump	gear
Flow at 2100 rpm	54 gpm (204 L/min.)

TRACKS

6-roller, 93.5-in. (2375 mm) track frame with front and rear track guides and sprocket guard. Dura-Trax™ undercarriage features deep-heat-treated, sealed and lubricated track links and through-hardened sealed and lubricated rollers for maximum wear resistance.

Standard Track	
Two-bar grouser width	17 in. (432 mm)
Track shoes, each side	36
Ground contact area	3173 sq. in. (20 472 cm²)
Ground pressure	11.4 psi (78.6 kPa)
Length of track on ground	93.5 in. (2375 mm)
Track gauge	66 in. (1676 mm)
Carrier roller, each side	1
Adjustment	hydraulic
Ground clearance, minimum	15.3 in. (389 mm)
Wide Track	
Two-bar grouser width	21 in. (533 mm)
Track shoes, each side	36
Ground contact area	3927 sq. in. (25 336 cm²)
Ground pressure	9.5 psi (65.5 kPa)
Length of track on ground	93.5 in. (2375 mm)
Track gauge	70 in. (1778 mm)
Carrier roller, each side	1
Adjustment	hydraulic
Ground clearance, minimum	15.3 in. (389 mm)

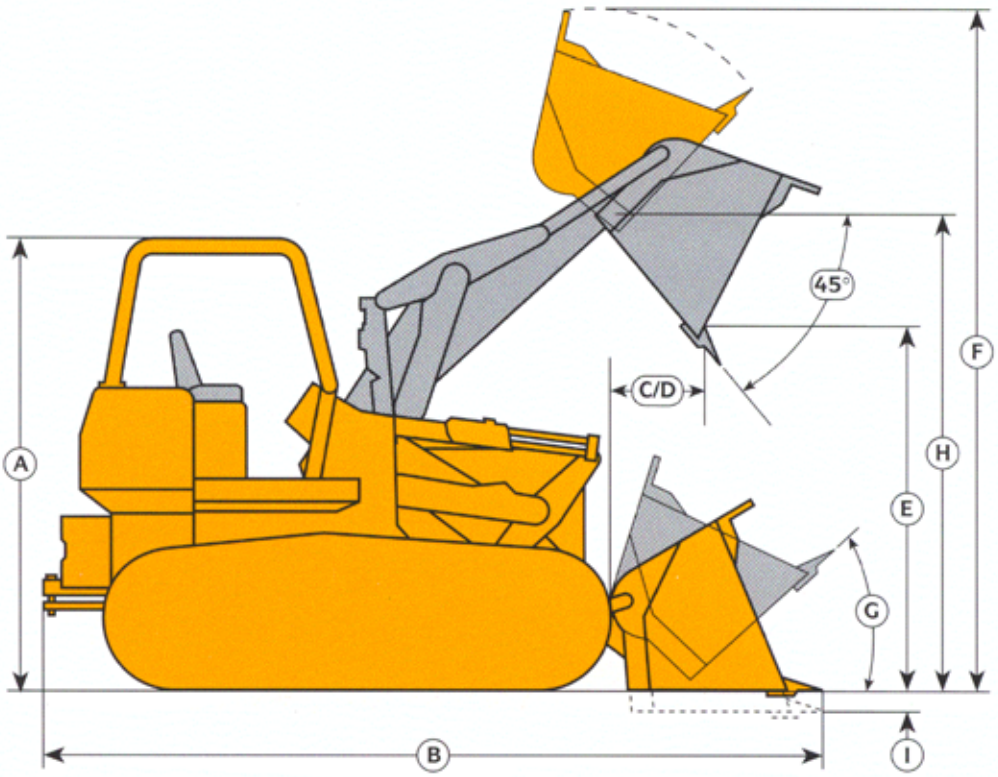
CAPACITIES

Fuel tank	73 gal. (276.3 L)
Cooling system	7 gal. (26.5 L)
Crankcase	18 qt. (17 L)
Crankcase, including filter	20 qt. (18.9 L)
Splitter drive	1.5 gal. (5.7 L)
Final drive each: 1st reduction	6.25 gal. (23.6 L)
2nd reduction	3.5 gal. (13.2 L)
Loader hydraulic system	37 gal. (140 L)
Hydrostatic drives	33 gal. (125 L)

OPERATING WEIGHTS

755B (with ROPS)	SAE
Standard track	36,150 lb. (16 400 Kg)
Wide track	37,450 lb. (17 000 kg)

DIMENSIONS



Key:	General Purpose		
Bucket Type	**Standard**	**Wide-Track**	**Multipurpose**
Capacity, heaped, SAE	2.25 cu. yd. (1.7 m^3)	2.5 cu. yd. (1.9 m^3)	2 cu. yd. (1.5 m^3)
A. Overall height	123.7 in. (3142 mm)	123.7 in. (3142 mm)	123.7 in. (3142 mm)
B. Overall length	222 in. (5639 mm)	222.5 in. (5652 mm)	223 in. (5664 mm)
C. Reach at maximum height (45° discharge)	47 in. (1194 mm)	47.5 in. (1206 mm)	47.4 in. (1204 mm)
D. Reach at 84 in. (2134 mm) clearance (45° discharge)	67 in. (1702 mm)	67.5 in. (1715 mm)	65 in. (1651 mm)
E. Dump clearance, maximum height (45° discharge)	112 in. (2845 mm)	111.5 in. (2832 mm)	111.6 in. (2835 mm)
F. Maximum operating height	194 in. (4928 mm)	195 in. (4953 mm)	190 in. (4826 mm)
G. Rollback angle			
Concrete level	38 degrees	36 degrees	36 degrees
Carry position	45 degrees	45 degrees	45 degrees
H. Height to hinge pin	143 in. (3632 mm)	143 in. (3632 mm)	143 in. (3632 mm)
I. Digging depth	4.2 in. (107 mm)	4.2 in. (107 mm)	4.2 in. (107 mm)

755B LOADER OPERATING INFORMATION				
		General Purpose		
Bucket Type		**Standard**	**Wide Track**	**Multipurpose**
Capacity, heaped, SAE	cu. yd. m^3	2.25 1.7	2.5 1.9	2.0 1.5
Capacity, struck, SAE	cu. yd. m^3	1.9 1.5	2.1 1.6	1.6 1.2
Bucket width	in. mm	89.1 2263	96.6 2454	89.1 2263
Bucket weight, without teeth	lb. kg	2110 960	2150 975	3520 1597
Breakout force, SAE	lb. kN	27,500 122	27,150 121	27,000 120
Tipping load, (with drawbar, four counterweights, ROPS)	lb. kg	25,340 11 494	26,120 11 845	23,930 10 854
Raising time	sec.	5.86	5.86	5.86
Dumping time	sec.	1.27	1.27	1.27
Lowering time	sec.	3.23	3.23	3.23
Operating weight with ROPS canopy	lb. kg	36,150 16 400	37,450 17 000	37,560 17 030
Operating weight with ROPS cab	lb. kg	36,550 16 579	37,850 17 169	37,960 17 210

Adjustments to operating weights and tipping load for 2.25 cu. yd. (1.7 m^3) bucket

ADJUSTMENTS TO OPERATING WEIGHTS				
Add (+) or deduct (–) lb. (kg) as indicated for loader equipped with:		**Wide Track**	**Operating Weight**	**Tipping Load**
Cab	lb. kg	+ 400 + 181	+ 400 + 181	+ 440 + 200
Bucket teeth, bolt-on	lb. kg	+ 338 + 153	+ 296 + 134	– 385 – 175
Bucket teeth, weld-on, flush mount	lb. kg	+ 206 + 93	+ 180 + 82	– 234 – 106
Air conditioner	lb. kg	+ 109 + 49	+ 109 + 49	+ 30 + 14
Ripper (without drawbar and four counterweights)	lb. kg	– 106 – 48	– 106 – 48	+ 200 + 91
Counterweight (each)	lb. kg	± 500 ± 227	± 500 ± 227	± 865 ± 392