



555A LOADER

FEATURES

78 SAE net hp (58 kW)

Single-lever loader control

Power Shift transmission w/
torque converter

Dura-Trax™ undercarriage with boron steel deep-heat-treated, strutted, sealed track links; deep-heat-treated sealed rollers; boron-steel through-hardened grousers; sealed front idler and carrier roller

Self-adjusting, oil-cooled steering clutches and brakes

Pedal steering

Roll-over protective structure (ROPS)

ADD VERSATILITY WITH:

Winch

Fairlead and drawbar

Integral log arch

Ripper

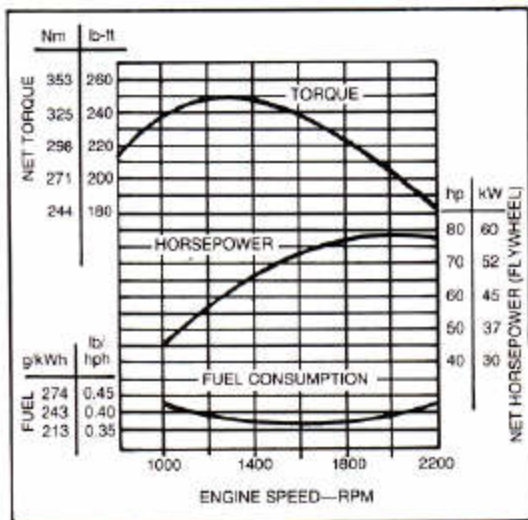
Backhoe

Log and lumber fork

Multipurpose bucket



ENGINE PERFORMANCE

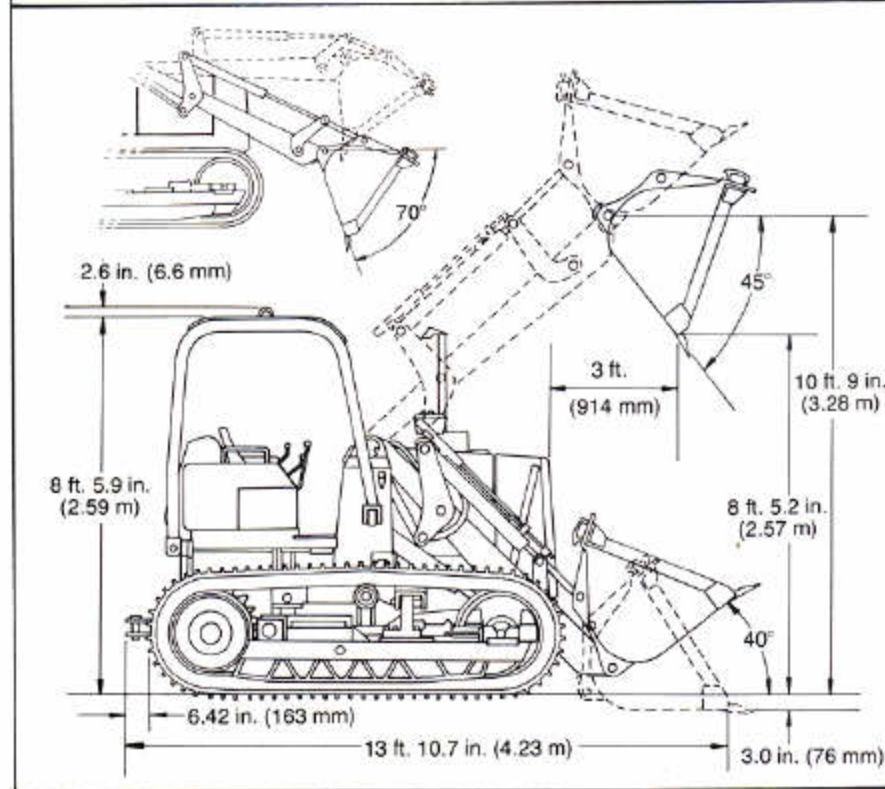


LOADER SPECIFICATIONS

Buckets:	SAE Heaped Capacity	Width
Digging	1½ cu. yd. (1.05 m ³)	72.25 in. (1.84 m)
Multipurpose	1¼ cu. yd. (0.96 m ³)	73 in. (1.85 m)

Operating Information:

Breakout force	15,600 lb. (69.4 kN) (7076 kg)
SAE tipping load	11,970 lb. (5430 kg)
Maximum dumping angle	50 deg.
Raising time	7.0 sec.
Dumping time	1.6 sec.
Lowering time	4.0 sec.



555A LOADER SPECIFICATIONS

(Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with ICED and SAE Standards. Except where otherwise noted, these specifications are based on a unit equipped with 1% cu. yd. (1.05 m³) digging bucket w/teeth, roll-over protective structure, full fuel tank, 175-lb. (79 kg) operator and standard equipment.)

Power (@ 2200 engine rpm):	SAE	DIN
Gross	86 hp (64.1 kW)	
Net	78 hp (58 kW)	79 hp (58 kW)

Net engine flywheel power is for an engine equipped with fan, air cleaner, water pump, lubricating oil pump, fuel pump, alternator and muffler. The gross engine power is without fan. Flywheel power ratings are under SAE standard conditions of 500-ft. (150 m) altitude and 85° F (29.5° C) temperature, and DIN 6270 conditions (non-corrected). No derating is required up to 10,000 feet (3050 m) altitude.

Engine: John Deere 4-cylinder turbocharged diesel, 4-stroke cycle
 Bore and stroke 4.19×5.00 in. (106.4×127 mm)
 Piston displacement 276 cu. in. (4.524 L)
 Compression ratio 16.2 to 1
 Maximum torque @ 1300 rpm 250 lb-ft (339 Nm) (34.6 kg-m)
 Torque rise 34 percent
 NACCC or AMA (U.S. Tax) horsepower 28
 Lubrication Pressure system w/full-flow filter and cooler
 Main bearings 5
 Cooling Pressurized w/dual thermostat and controlled bypass
 Fan Blower
 Air cleaner w/restriction indicator Dry
 Electrical system 12-volt
 Battery (12 volt) Reserve capacity: 180 minutes

Transmission Converter-driven, 3-speed forward and reverse, Power Shift

Range:	Travel Speeds:			
	mph		km/h	
	Fwd.	Rev.	Fwd.	Rev.
1	2.0	2.4	3.2	3.9
2	3.3	3.9	5.3	6.3
3	5.6	6.8	9.1	10.9

Steering:
 Steering clutches and brakes are controlled by a single pedal for each track. A separate pedal provides braking and lock-down for parking.
 Clutches Oil-cooled, hydraulically actuated, multiple-disk, 11-in. (279 mm) disks; 16 friction surfaces per clutch.
 Brakes Self-adjusting, self-energizing, oil-cooled contracting band with bonded lining.

Hydraulic System:
 Control Triple hydraulic valve with single-lever bucket control and third function control.
 Pump Gear, 28 gpm (1.76 L/s)
 Pressure 2500 psi (17 238 kPa) (175.8 kg/cm²)
 Oil lines Seamless steel tubing; double-wire-braid hose
 Filter Spin-on micron

Hydraulic Cylinders:	Bore	Stroke
Boom, (2)	4.25 in. (108 mm)	28.25 in. (718 mm)
Bucket, (2)	3.5 in. (89 mm)	31.1 in. (790 mm)
Cylinder rods	Ground, heat-treated, chrome-plated, polished	
Doom cylinder rods	2.25-in. (57 mm) dia.	
Bucket cylinder rods	1.75-in. (44.5 mm) dia.	

Special Equipment:
 Brush screens
 Cigaret lighter
 Limb risers w/overhead exhaust
 Rear counterweight for multipurpose bucket
 13-inch (330 mm) rubber shoes
 ROPS cab
 Two batteries
 Winch drive

Undercarriage: 5-roller track frame with full-length rock guards, Dura-Trax™ deep-heat-treated components.
 Triple semi-grouser, open center 14 in. (356 mm)
 Track shoes, each side 37
 Ground contact area 2128 sq. in. (13 729 cm²)
 Ground pressure 8.2 psi (56.5 kPa) (0.576 kg/cm²)
 Length of track on ground 76 in. (1.93 m)
 Track gauge 52 in. (1.32 m)
 Carrier roller 1
 Adjustment Hydraulic
 Clearance at rear crossbar 14.25 in. (362 mm)

Capacities:	U.S.	Liters
Cooling system	5 gal.	18.9
Fuel tank	36 gal.	136.3
Crankcase, including filter	15 qt.	14.2
Transmission	13.5 gal.	51.1
Final drive (each)	6.25 qt.	5.9
Loader hydraulic reservoir	7 gal.	26.5
Loader hydraulic system	13 gal.	49.2
Steering clutch housing (each side)	28 qt.	26.5

Additional Standard Equipment:
 Boom safety lock bar
 Bottom guard counterweight w/fixed drawbar
 Bucket level indicator
 Cold-weather starting aid
 Cushion seat w/armrests
 Decelerator
 Electric hourmeter
 Enclosed alternator w/solid-state regulator
 Front bottom guard
 Front hitch
 Front idler shields
 Horn
 Key switch
 Lights
 Master electrical disconnect switch
 Muffler
 Perforated engine side shields
 Precleaner
 Pushbutton start
 Radiator sand shield
 Return to dig
 Rubber-mounted ROPS w/seat belt
 Sprocket weights
 Tachometer
 Vandal protection

SAE Operating Weight w/ROPS 18,800 lb. (8528 kg)