



JD450-B LOADER

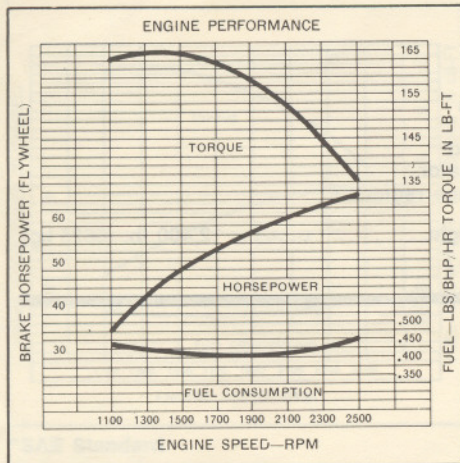
FEATURES

- 65 SAE net hp (69,1 PS)
- Single-lever loader control
- Power Shift Hi-Lo-Reverse
- Hydraulic track adjustment
- Sealed track rollers and idlers
- Hydraulically-boosted power steering
- Roll-over protective structure (ROPS)
- Vandal protection

ADD VERSATILITY WITH:

- Winch
- Fairlead and drawbar
- Ripper
- Backhoe
- Log and Pulpwood fork
- Log and Lumber fork
- Integral log arch

ENGINE PERFORMANCE



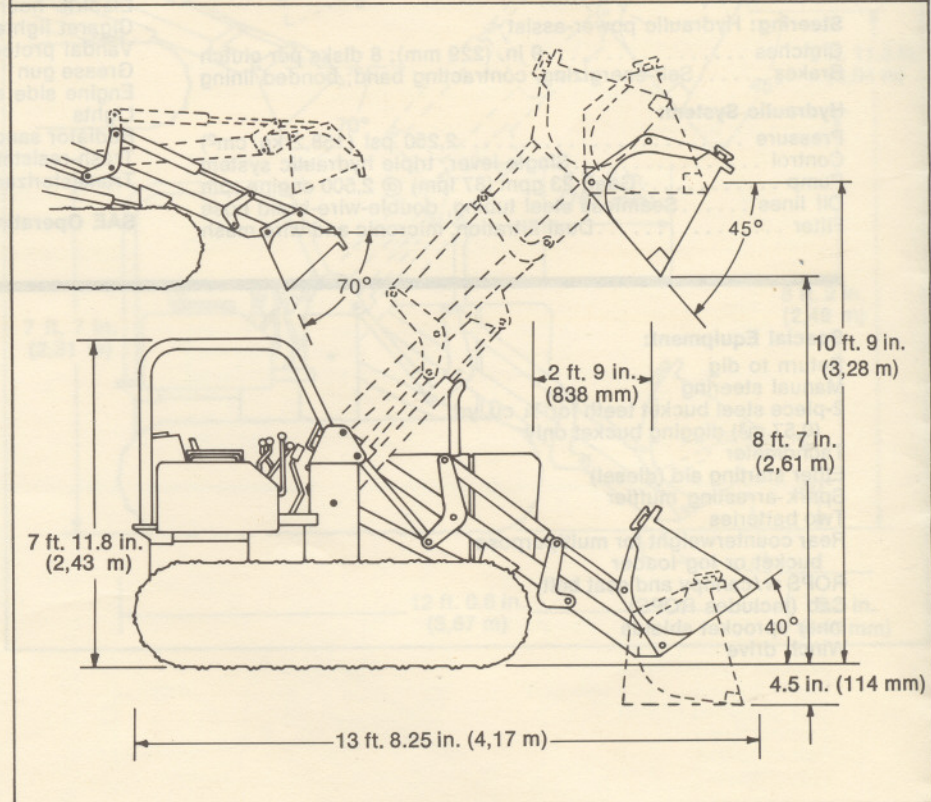
*SAE Standard

LOADER SPECIFICATIONS

Buckets:	SAE Heaped Capacity	Width
Digging	1¼ cu. yd. (0,96 m ³)	72.25 in. (1,84 m)
Light Materials	1¾ cu. yd. (1,34 m ³)	78.25 in. (1,99 m)
Multipurpose	1¼ cu. yd. (0,96 m ³)	73 in. (1,85 m)

Operating Information:

- Breakout force 14,360 lb. (6513 kg)
- Lifting capacity, full height . . . 9,000 lb. (4082 kg)
- Maximum dumping angle 50 deg.
- Raising time 7.0 sec.
- Dumping time 1.6 sec.
- Lowering time 4.0 sec.



SPECIFICATIONS—JD450-B LOADER

(Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with IEMC and SAE Standards. Except where otherwise noted, these specifications are based on a unit equipped with 1¼ cu. yd. (0,93 m³) digging bucket, roll-over protective structure, and standard equipment.)



Horsepower (@ 2,500 engine rpm):	SAE	DIN
Gross	70	
Net	65	69,1 PS

*Net engine flywheel horsepower is for an engine equipped with fan, air cleaner, water pump, lubricating oil pump, fuel pump, alternator and muffler. The gross engine horsepower is without fan. Gross and net flywheel horsepower ratings are under SAE standard conditions of 500-ft. altitude and 85°F. temperature and DIN 70 020 standard conditions of 760 mm Hg barometer (sea level) and 20°C. temperature.

Engine: John Deere, 4-cylinder, diesel, 4-stroke cycle
 Bore and stroke 4.02x4.33 in. (102x110 mm)
 Piston displacement 219 cu. in. (3588 cm³)
 Compression ratio 16.2 to 1
 Maximum torque @ 1,400 rpm 164.5 lb-ft (22,74 kg-m)
 NACC or AMA (U.S. Tax) horsepower 23.84
 Lubrication Pressure system w/full-flow filter
 Main bearings 5
 Cooling Pressurized w/thermostat and fixed bypass
 Fan Blower
 Air cleaner w/restriction indicator Dry
 Electrical system 12-volt w/alternator
 Battery Reserve capacity: 150 minutes

Transmission: H-L-R: 4 speed ranges; with high, low, and reverse speeds shifted hydraulically without clutching in each range.

Clutch: 11-in. (279 mm) single-disk

Gear:	Travel Speeds:		Gear:	Travel Speeds:	
	mph	km/h		mph	km/h
Range 1			Range 3		
Low	1.3	2.1	Low	3.0	4.8
High	1.8	2.9	High	4.3	6.9
Reverse	1.7	2.7	Reverse	4.1	6.6
Range 2			Range 4		
Low	2.0	3.2	Low	4.7	7.6
High	2.8	4.5	High	6.7	10.8
Reverse	2.7	4.3	Reverse	6.4	10.3

Steering: Hydraulic power-assist
 Clutches 11 in. (279 mm); 9 disks per clutch
 Brakes Self-energizing, contracting band; bonded lining

Hydraulic System:
 Control Single-lever, triple hydraulic system
 Pump Gear, 28 gpm (106 lpm)
 Pressure 2,250 psi (158,2 kg/cm²)
 Oil lines Seamless steel tubing; double-wire-braid hose
 Filter Dual filtration, micronic and wire mesh

Hydraulic Cylinders:	Bore	Stroke
Boom, two	4.25-in. (108 mm)	28.25-in. (718 mm)
Bucket, two	3.5-in. (89 mm)	31.1-in. (790 mm)
Cylinder rods ..	Ground, heat-treated, chrome-plated, polished	
Boom cylinder rods	2.25-in. (57 mm) dia.	
Bucket cylinder rods	2-in. (51 mm) dia.	

Tracks (5-roller track frames w/rock guards):
 Triple semi-grouser, open-center shoes 14-in. (356 mm)
 Track shoes, each side 37
 Ground contact area 2,128 sq. in. (13729 cm²)
 Ground pressure 7.8 psi (0,548 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	4 gal.	15,1
Fuel tank	31 gal.	117,3
Crankcase, including filter	9 qt.	8,5
Transmission	8 gal.	30,3
Final-drive (each)	6.5 qt.	6,2
Loader hydraulic reservoir	7 gal.	26,5
Loader hydraulic system	13 gal.	49,2

Additional Standard Equipment:
 Front bottom guard
 Front hitch ✓
 Deluxe cushion seat w/arm rests
 Key switch w/push-button safety start
 Precleaner
 Electric hourmeter
 Cigaret lighter
 Vandal protection
 Grease gun
 Bottom guard counterweight
 w/fixed drawbar
 Bucket level indicator
 Radiator sand shield
 Sprocket weights
 Lights
 Trash-resistant radiator
 Transistorized voltage regulator
 Engine side shields

SAE Operating Weight 16,700 lb. (7582 kg)

Special Equipment:

Tachometer	Cab (includes ROPS)
Ether starting aid	Two batteries
PTO (1,000 rpm)	Return to dig
Upper and lower front idler shields	Rear counterweight for multipurpose bucket or log loader
Spark arresting muffler	Winch drive
Altitude compensator	
ROPS w/canopy and seat belt	