JD24 LOADER

FEATURES

37 brake horsepower

4-cylinder Wisconsin gasoline engine

Turns within its own length

4-wheel drive, 2 multi-disk clutches on each side

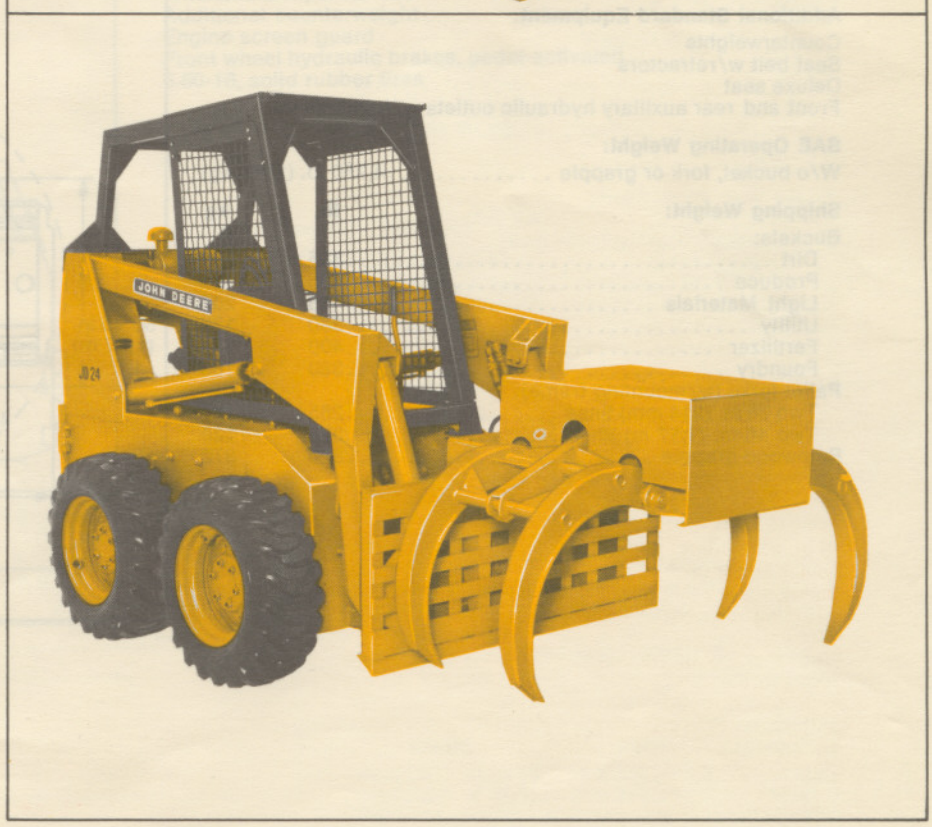
Instant reversing

Simple controls

Choice of 6 buckets; 2 pallet forks; or pulpwood grapple

Roll-over protective structure (ROPS)





LOADER SPECIFICATIONS

Buckets:	Struck Capacity cu. ft.	Struck Capacity m^3	Width in.	Width meters
Dirt	10	0,283	65	1,65
Produce	15	0,425	72	1,83
Light Materials	20.2	0,572	67	1,70
Utility	12.5	0,354	65	1,65
Fertilizer	15.3	0,433	65	1,65
Foundry	10.5	0,297	65	1,65

Pallet Forks:

36 in. (914 mm) tines	43	1,09
46 in. (1,17 m) tines	43	1,09

Operating Information:

Lift capacity, full height:
W/bucket or fork .....1,700 lb. (771 kg)
W/pulpwood grapple .....1,000 lb. (454 kg)
Pulpwood grapple capacity .....1/5 cord
Maximum clamp dia. .....4 ft. 9.5 in. (1,46 m)
Minimum clamp dia. .....11.75 in. (298 mm)
Grapple arms above ground, boom raised .....9 ft. 2 in. (2,79 m)
Grapple arms below ground, boom lowered .....2 in. (51 mm)
Grapple loading height .....11 ft. 3 in. (3,43 m)

Hydraulic System:

Pressure .....1,750 psi (123,0 kg/cm^2)
Control ..Dual-pedal, double hydraulic system
Pump .....Gear, 18 gpm (68 lpm) @ 2,400 engine rpm
Oil lines .....Welded JIC steel tubing; single-wire-braid hose
Filter ....33-micron paper cartridge in suction line

Hydraulic Cylinders:	Bore	Stroke
Boom (2) ..	3-in. (76 mm)	27.5-in. (699 mm)
Bucket (2) .	3-in. (76 mm)	16.5-in. (419 mm)
Grapple (2).	2.5 in. (64 mm)	8-in. (203 mm)

Cylinder rods ..Ground, heat-treated, chrome-plated, polished
Boom cylinder rods .....1.5 in. (38 mm) dia.
Bucket cylinder rods .....1.25-in. (32 mm) dia.
Grapple cylinder rods ...1.125-in. (29 mm) dia.

JD24 LOADER SPECIFICATIONS

(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 for a unit equipped with 15.3 cu. ft. (0,433 m³) fertilizer bucket and standard equipment.)

Horsepower (@ 2,400 engine rpm):

Brake (SAE) 37

Brake horsepower is for an engine equipped with fan, air cleaner and muffler; and is maximum under SAE standard conditions at sea level and 60° F.

Engine: Wisconsin VG4D, 4-cylinder, 4-stroke cycle, gasoline

Bore and stroke ..... 3.5x4 in. (89x102 mm)
Piston displacement ..... 154 cu. in. (2524 cm³)
Compression ratio ..... 5.05 to 1
Maximum torque @ 1,600 rpm ..... 93.8 lb-ft (13,89 kg-m)
NACC or AMA (U.S. Tax) horsepower 19.6
Lubrication ..... Pressure system w/full-flow filter
Cooling fan ..... Suction
Air cleaner w/restriction indicator ..... Dry
Electrical system ..... 12-volt w/alternator

Transmission:

Multi-disk clutches, 2 on each side, roller cam actuated with 11 wear surfaces and heavy-duty precision separator springs. Clutches lubricated by return hydraulic oil in enclosed housings.

Travel Speeds:	**mph**	**km/h**
Forward or reverse	0-7	0-11,3

Final Drives:

Axle is specially-treated, forged 2.56 in. (65 mm) dia. steel. Chain and sprocket primary, secondary and final drives.

Steering ..... Multiple-disk clutch

Tires 10.00-16.5, 6-ply-rating, R3

Capacities:	**U.S.**	**Liters**
Fuel tank	25 gal.	94,6
Engine lubrication, including filter	5 qt.	4,7
Loader hydraulic system	20 gal.	75,7

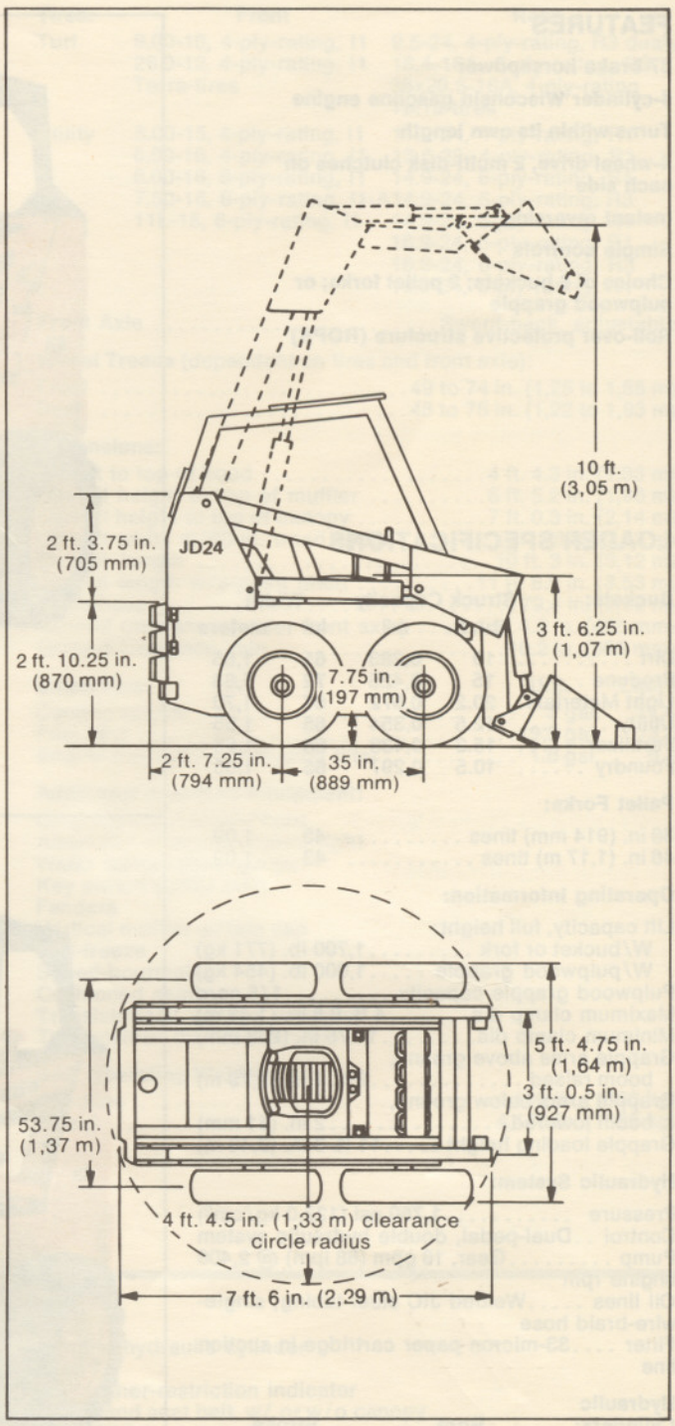
Additional Standard Equipment:

Counterweights
Seat belt w/retractors
Deluxe seat
Front and rear auxiliary hydraulic outlets w/foot controls

SAE Operating Weight:

W/o bucket, fork or grapple ..... 4,750 lb. (2155 kg)

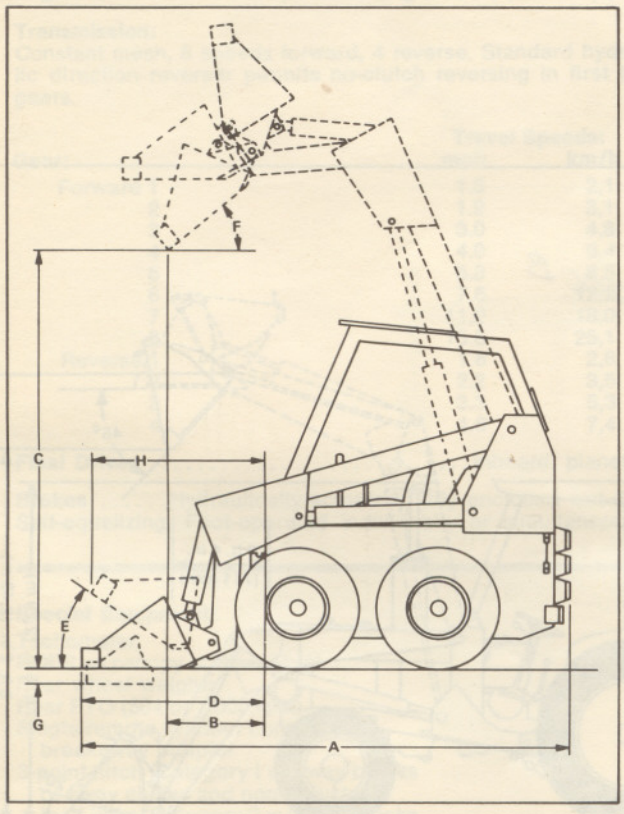
Shipping Weight:	**lb.**	**kg**
Buckets:		
Dirt	335	152
Produce	405	184
Light Materials	455	206
Utility	380	172
Fertilizer	400	181
Foundry	360	163
Pallet forks (w/mounting frame):		
Two 36 in. (914 mm) tines	265	120
Two 46 in. (1,17 m) tines	285	129
Pulpwood grapple	820	372



JD24 LOADER BUCKET SPECIFICATIONS

	Buckets					
	Dirt	**Produce**	**Light Materials**	**Utility**	**Fertilizer**	**Foundry**
A	9 ft. 9 in. (2,97 m)	10 ft. 4.5 in. (3,16 m)	10 ft. 6.25 in. (3,21 m)	10 ft. 2.5 in. (3,11 m)	10 ft. 2.5 in. (3,11 m)	9 ft. 9.75 in. (2,98 m)
B	2 ft. 6 in. (762 mm)	2 ft. 7.5 in. (800 mm)	2 ft. 2 in. (660 mm)	1 ft. 10.75 in. (578 mm)	1 ft. 10.75 in. (578 mm)	1 ft. 7.75 in. (502 mm)
C	9 ft. (2,74 m)	7 ft. 4.5 in. (2,25 m)	7 ft. 6 in. (2,29 m)	7 ft. 7.625 in. (2,33 m)	7 ft. 7.625 in. (2,33 m)	7 ft. 10.75 in. (2,41 m)
D	3 ft. 4 in. (1,02 m)	3 ft. 11.5 in. (1,21 m)	4 ft. 1.25 in. (1,25 m)	3 ft. 9.5 in. (1,16 m)	3 ft. 9.5 in. (1,16 m)	3 ft. 4.75 in. (1,04 m)
E	35 deg.	38 deg.	35 deg.	35 deg.	35 deg.	35 deg.
F	38 deg.	35 deg.	38 deg.	38 deg.	38 deg.	38 deg.
G	0.5 in.			0.5 in.		0.5 in.
H	3 ft. 2.25 in. (972 mm)	3 ft. 8 in. (1,12 m)	3 ft. 10.25 in. (1,17 m)	3 ft. 6.75 in. (1,09 m)	3 ft. 6.75 in. (1,09 m)	3 ft. 3.5 in. (1,00 m)

A. Overall length with bucket
B. Reach at max. height, bucket at full dump
C. Clearance, bucket at full dump
D. Reach, bucket on ground
E. Bucket rollback
F. Max. dumping angle
G. Digging depth below ground level
H. Reach, bucket rolled back



Special Equipment:

Lights
Boom lock assembly
Engine mud guard kit
Belly pan kit
ROPS w/canopy, w/ or w/o wire mesh screens
Cab (includes ROPS)
Windshield wiper for cab
Additional counterweight
Engine screen guard
Front wheel hydraulic brakes, pedal-activated
6.50-16, solid rubber tires