



JD24-A LOADER

FEATURES

- 37 SAE net hp, diesel or gasoline (39.3 DIN-PS)
- Turns within its own length
- Hydrostatic 4-wheel drive
- Disk parking brakes
- Instant reversing
- T-bar control of steering, speed and reversing
- Choice of four Quik-Tatch buckets and one pallet fork
- Roll-over protective structure (ROPS)

LOADER SPECIFICATIONS

Buckets	Struck Capacity		Width	
	cu. ft.	m ³	in.	meters
Earth & Foundry	10	0.283	56	1.42
Earth & Foundry	10.5	0.297	61	1.55
Utility	12	0.340	56	1.42
Fertilizer	13	0.368	56	1.42
Utility	14	0.396	65	1.65
Light Materials	20.2	0.572	67	1.70

Pallet Fork:

36 in. (914 mm) tines . . . Adjustable 18 to 49 in. (46 to 124 cm) spacing

Operating Information:

SAE operating capacity 1350 lb. (612 kg)
 Lift capacity to maximum height 2500 lb. (1134 kg)
 Lift capacity at carry position 5500 lb. (2495 kg)
 Breakout force 2800 lb. (13 kN) (1270 kg)
 SAE tipping load 2700 lb. (1225 kg)
 Rear clearance circle radius, less bucket 4 ft. 3.25 in. (1.33 m)
 Overall length, less bucket . . 7 ft. 1 in. (2.16 m)
 Overall width, less bucket . . 4 ft. 11.5 in. (1.51 m)
 Wheel tread 48.75 in. (1.24 m)

Hydraulic System:

Pressure . . 2000 psi (137.9 bar) (140.6 kg/cm²)
 Control . . Dual-pedal, double hydraulic system
 Pump Gear, 15 gpm (56.8 l/min) @ 2900 engine rpm
 Oil lines Welded JIC steel tubing; single-wire-braid hose
 Filter 10-micron paper cartridge in suction line

Hydraulic Cylinders:

	Bore	Stroke
Boom (2)	2.5 in (63 mm)	24.81 in. (630 mm)
Bucket (2)	2.5 in (63 mm)	16.25 in. (413 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.



JD24-A 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 for a unit equipped with 10 cu. ft. (0.28 m³) earth and foundry bucket and standard equipment.)

	Gasoline	
Power (@ 2800 engine rpm):	SAE	DIN
Net	37 (27.6 kW*)	39.3 PS

Net engine flywheel power is for an engine equipped with fan, air cleaner, water pump, lubricating oil pump, fuel pump, alternator, and muffler. Gross engine power is without fan. Flywheel power 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.

*In the International System of Units (SI), power is expressed in kilowatts (kW).

Engine: Continental Y-112, 4-cylinder, 4 stroke cycle, gasoline	
Bore and stroke	3.19x3.5 in. (81x89 mm)
Piston displacement112 cu. in. (1835 cm ³)
Compression ratio	6.07 to 1
Maximum torque @ 1500 rpm90 lb-ft (122 Nm) (12.4 kg-m)
NACC or AMA (U.S. Tax) horsepower	16.28
Lubrication	Pressure system w/full-flow filter
Cooling fan	Suction
Air cleaner w/restriction indicator	Dry
Electrical system	12-volt w/alternator

	Diesel	
Power (@ 2800 engine rpm):	SAE	DIN
Net	37 hp (27.6 kW)	39.3 PS

Engine: Isuzu C-190, 4-cylinder, 4-stroke cycle, diesel	
Bore and stroke	3.39x3.31 in. (86x84 mm)
Piston displacement119 cu. in. (1950 cm ³)
Compression ratio20 to 1
Maximum torque @ 2000 rpm80 lb-ft (108 Nm) (11.1 kg-m)
NACC or AMA (U.S. Tax) horsepower	18.38
Lubrication	Pressure system w/full-flow filter
Cooling fan	Suction
Air cleaner w/restriction indicator	Dry
Electrical system	12-volt w/alternator

Drive System:

Two hydrostatic pumps with variable angle swash plates and two hydrostatic motors with fixed angle swash plates.

Final Drives:

Axle

2.375 in. (60 mm) dia., one-piece forged steel.

Chains

Primary drive, No. 50; final drive, No. 80 (standard).

Travel Speeds:	mph	km/h
Forward or reverse	0-6.5	0-10.5

Steering

T-bar control

Tires

10-16.5, steel-cap, 4-ply-rating or wheels and 6.50-16, lug tread, solid rubber tires

Capacities:	U.S.	Liters
Fuel tank	24 gal.	90.8
Engine lubrication, including filter, gas	5 qt.	4.7
Engine lubrication, including filter, diesel	5.25 qt.	5.0
Loader hydraulic system	18 gal.	68.1
Cooling system	12 qt.	11.4

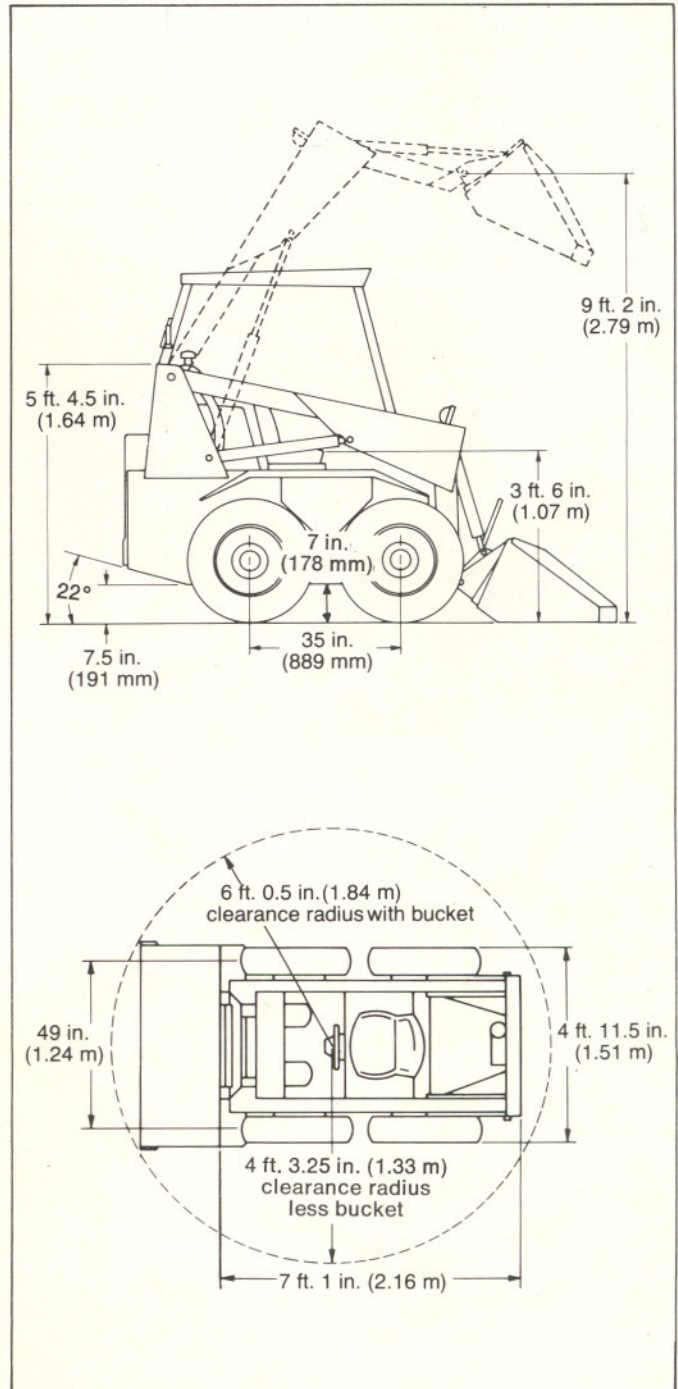
Additional Standard Equipment:

Counterweights
 Seat belt w/retractors
 Deluxe seat
 ROPS w/canopy and wire mesh screens
 3-way braking system
 Quik-Tatch bar
 Disk parking brakes
 Belly pan
 Engine heat shield
 Fuel gauge
 Ammeter
 Hourmeter
 Water temperature gauge
 Oil pressure gauge

SAE Operating Weight:

w/earth and foundry bucket

.5483 lb. (2487 kg)



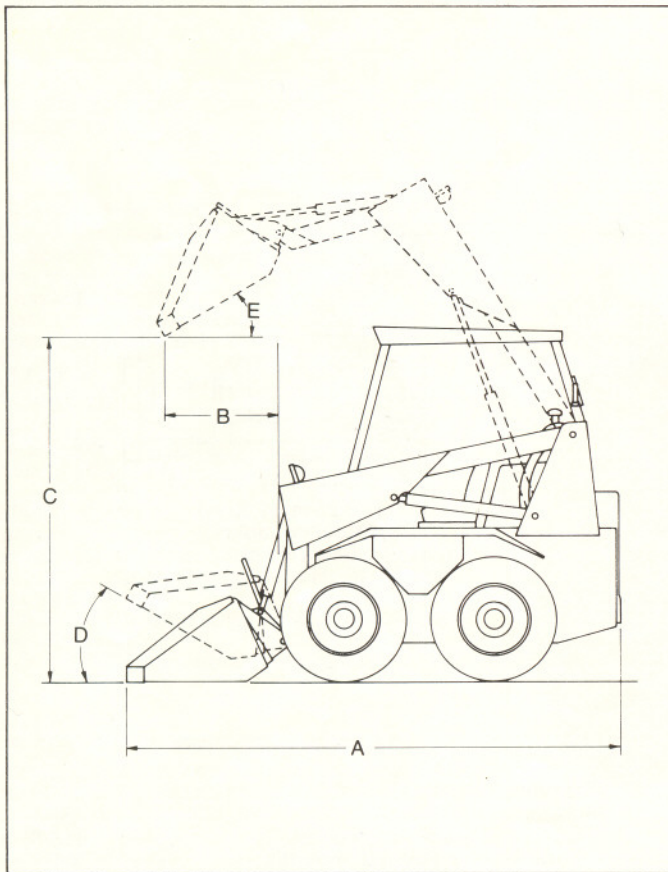
Shipping Weight:

Buckets:	lb.	kg
Earth and Foundry (10 cu. ft.)	295	134
Earth and Foundry (10.5 cu. ft.)	330	150
Utility (12 cu. ft.)	350	159
Utility (14 cu. ft.)	402	182
Fertilizer	368	167
Light Materials	415	188
Pallet fork (w/mounting frame):		
Two 36 in. (914 mm) tines	440	200

JD24-A LOADER BUCKET SPECIFICATIONS

	Buckets					
	Earth and Foundry 10 cu. ft. (0.283 m ³)	Earth and Foundry 10.5 cu. ft. (0.297 m ³)	Utility 12 cu. ft. (0.340 m ³)	Fertilizer 13 cu. ft. (0.368 m ³)	Utility 14 cu. ft. (0.396 m ³)	Light Materials 20.2 cu. ft. (0.572 m ³)
A	9 ft. 7.5 in. (2.93 m)	9 ft. 9 in. (2.97 m)	9 ft. 7.5 in. (2.93 m)	9 ft. 10 in. (2.99 m)	9 ft. 11.5 in. (3.04 m)	10 ft. 2 in. (3.10 m)
B	1 ft. 4.25 in. (418 mm)	1 ft. 4.25 in. (413 mm)	1 ft. 4.25 in. (418 mm)	1 ft. 7.44 in. (494 mm)	1 ft. 7.4 in. (493 mm)	1 ft. 10.6 in. (574 mm)
C	7 ft. (2.13 m)	7 ft. (2.13 m)	7 ft. (2.13 m)	6 ft. 9.6 in. (2.07 m)	6 ft. 9.6 in. (2.07 m)	6 ft. 7.25 in. (2.01 m)
D	32 deg.	31 deg.	32 deg.	32 deg.	31 deg.	32 deg.
E	37 deg.	37 deg.	37 deg.	37 deg.	37 deg.	37 deg.

- A. Overall length with bucket
- B. Reach at max. height, bucket at full dump
- C. Clearance, bucket at full dump
- D. Bucket rollback
- E. Max. dumping angle



- Special Equipment:**
- Lights
 - Boom lock assembly
 - Horn
 - Rear hitch
 - Auxiliary hydraulic valve