



JD380 FORKLIFT

FEATURES

- 43 SAE net hp, diesel or gasoline (45,7 PS)
- Choice of 5 masts to 28 ft. (8,53 m) lifting height
- Lifting capacity to 4,000 lb. (1814 kg) or 5,000 lb. (2268 kg)
- Bolt-on counterweights; total weight depends on mast
- Mast tilts forward 19 degrees and rearward 9 degrees
- Overhead guard
- Hydrostatic power steering
- Differential lock
- Hydraulically-actuated reversing transmission; 8 speeds forward, 8 reverse
- Vandal protection

ADD VERSATILITY WITH*:

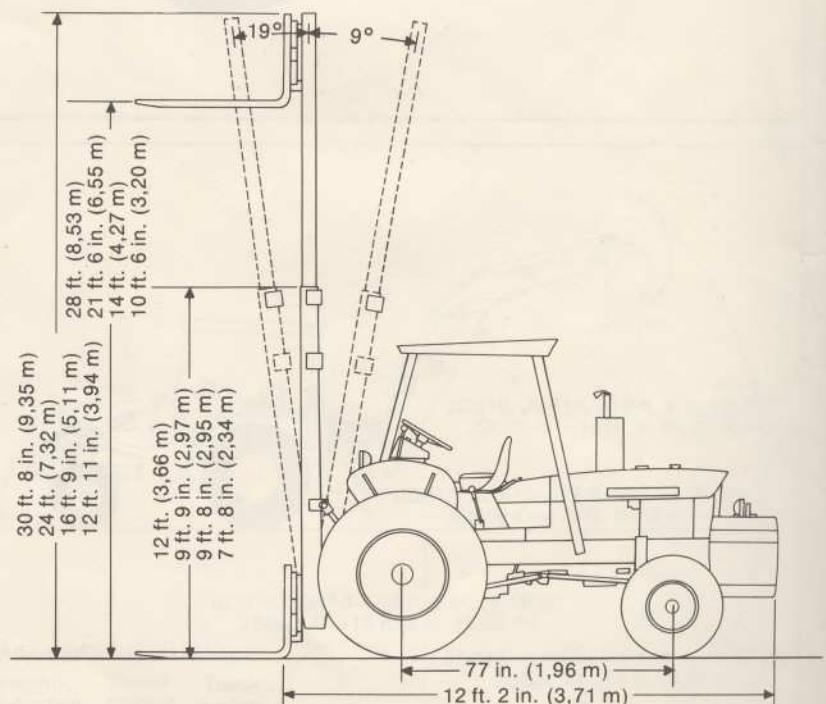
- Swing boom
- Dozer blade
- Rotator
- Hose reel
- Hydraulic bucket
- Mortar hopper
- Boat fork
- Hydraulic side-shifter
- Log clamps
- Concrete block tines

*Available from Harlo Products Corporation, Grandville, Mich. (rotator and hose reel available from Cascade Corporation, Portland, Ore.)

FORKLIFT SPECIFICATIONS

Hydraulic System: Open-center

- Control:
- W/side-shift 3-lever
 - W/o side-shift 2-lever
- Pump Gear, 23 gpm (87 lpm) @ 2,500 engine rpm
- Pressure 2,000 psi (140,6 kg/cm²)
- Oil lines .. Seamless steel tubing; double-wire-braid hose
- Filter 33-micron paper cartridge in return





JD380 FORKLIFT 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 based on a unit equipped with 16.9-24 drive tires, 11L-15 steering tires, pallet fork, and standard equipment.)

Horsepower (@ 2,500 engine rpm):

	Gasoline and Diesel SAE	DIN
Gross	46	
Net	43	45.7 PS

Net engine flywheel horsepower is for an engine equipped with fan, air cleaner, water pump, lubricating oil pump, fuel pump, alternator, and muffler. 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, 3-cylinder, valve-in-head, 4-stroke cycle

	Gasoline	Diesel
Bore and stroke	3.86x3.86 in. (98x98 mm)	3.86x4.33 in. (98x110 mm)
Displacement	135 cu. in. (2212 cm ³)	152 cu. in. (2491 cm ³)
Compression ratio	7.5 to 1	16.2 to 1
Max. torque @ 1,300 rpm	110 lb-ft (15.2 kg-m)	
NACC or AMA (U.S. Tax) horsepower ..	17.88	
Main bearings	3	4
Lubrication	Pressure system w/full-flow filter	
Cooling	Pressurized w/thermostat and fixed bypass	
Fan	Suction	
Air cleaner	Dry	
Electrical system	12-volt w/alternator	
Battery reserve capacity	60 minutes	110 minutes

Engine Disconnect Clutch Hand-operated, single 10 in. (254 mm) plate

Transmission .. 8-speed transmission w/hydraulically-actuated no-clutch direction reverser. "Inching" pedal is provided.

Gear:

	Travel Speeds:	
	mph	km/h
	Fwd.	Rev.
1	1.9	3.1
2	2.7	4.3
3	4.0	6.4
4	5.5	8.9
5	7.3	11.7
6	10.5	16.9
7	15.5	24.9
8	21.7	34.9

Final Drives Inboard, planetary

Brakes Hydraulically-actuated, wet-disk. Foot-operated individually or simultaneously.

Steering Power (hydrostatic)
Turning radius (brake applied w/o fork) 10 ft. 8 in. (3.25 m)
Turning clearance (brake applied w/o fork) .. 22 ft. 4 in. (6.81 m)
Wheel rotation, max. left to max. right 3 turns

Tires:

Drive	Steering
16.9-24, 8-ply-rating, R4	7.50-16, 10-ply-rating, I1-A
18.4-24, 8-ply-rating, R4	11L-15, 6-ply-rating, I1
19.5L-24, 8-ply-rating, R4	
low profile, tubeless	

Wheel Tread (front and rear) 62 in. (1,58 m)

Dimensions:

Overall width	6 ft. 7 in. (2,01 m)
Ground clearance, min.	1 ft. 2 in. (356 mm)
Reach from center line of drive wheels to front of fork carriage	2 ft. 10 in. (864 mm)

Capacities:

	U.S.	Liters
Cooling system	3 gal.	11.4
Fuel tank	19.5 gal.	73.8
Engine lubrication, including filter	1.5 gal.	5.7
Hydraulic system	12.5 gal.	47.3

Additional Standard Equipment:

Electric hourmeter
Vertical muffler w/rain cap
Ether starting aid (diesel)
Overhead guard
Hand throttle
Foot throttle
Differential lock
Fenders
Fuel filter
Key switch safety start
Anti-freeze
Fuel gauge
Oil pressure indicator light
Alternator charge indicator light
Water temperature gauge
Appropriate counterweight
Lights
Transistorized voltage regulator

SAE Operating Weight (w/required counterweights):

	Gasoline	Diesel
10 ft. 6 in., 4,000-lb. capacity	8,915 lb. (4047 kg)	9,020 lb. (4091 kg)
14 ft., 4,000-lb. capacity	9,085 lb. (4121 kg)	9,185 lb. (4166 kg)
14 ft., 5,000-lb. capacity	10,445 lb. (4738 kg)	10,555 lb. (4788 kg)
21 ft. 6 in., 4,000-lb. capacity	10,135 lb. (4597 kg)	10,245 lb. (4647 kg)
28 ft., 4,000-lb. capacity	11,180 lb. (5038 kg)	11,290 lb. (5121 kg)

Shipping Weight:

Two, 4-ft. (1,22 m), 5,000-lb. (2268 kg) pallet tines 350 lb. (159 kg)

Operating Information	Maximum Lifting Height				
	10 ft. 6 in. (3,20 m)	14 ft. (4,27 m)	14 ft. (4,27 m)	21 ft. 6 in. (6,55 m)	28 ft. (8,53 m)
Max. lift capacity*	4,000 lb. (1814 kg)	4,000 lb. (1814 kg)	5,000 lb. (2268 kg)	4,000 lb. (1814 kg)	4,000 lb. (1814 kg)
Lift capacity at full height*	4,000 lb. (1814 kg)	4,000 lb. (1814 kg)	5,000 lb. (2268 kg)	2,500 lb. (1134 kg)	1,000 lb. (454 kg)
Side-shift ... 3 in. (76 mm) to right and left of center	Yes	Yes	No	Yes	No
Rate of lift @ 2,500 engine rpm (max. load)	57 fpm (17,4 m/min.)	57 fpm (17,4 m/min.)	57 fpm (17,4 m/min.)	83 fpm (25,3 m/min.)	83 fpm (25,3 m/min.)
Rate of lift @ 2,500 engine rpm (empty)	61 fpm (18,6 m/min.)	61 fpm (18,6 m/min.)	61 fpm (18,6 m/min.)	95 fpm (29,0 m/min.)	95 fpm (29,0 m/min.)
Rate of drop (max. load)	29 fpm (8,8 m/min.)	29 fpm (8,8 m/min.)	29 fpm (8,8 m/min.)	54 fpm (16,5 m/min.)	54 fpm (16,5 m/min.)
Rate of drop (empty)	33 fpm (10,1 m/min.)	33 fpm (10,1 m/min.)	33 fpm (10,1 m/min.)	68 fpm (20,7 m/min.)	68 fpm (20,7 m/min.)

*Measured at 24 in. (610 mm) from heel of fork, with load centered

Special Equipment:

Air cleaner restriction indicator
Engine coolant heater
Horn
Muffler extension
Vandal protection