



480C FORKLIFT

FEATURES

52 SAE net hp (38.8 kW)

Choice of 7 masts to 28 ft. (8.53 m) lifting height

Lifting capacity to 4000, 5000 or 6000 lb. (1814, 2268 or 2722 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

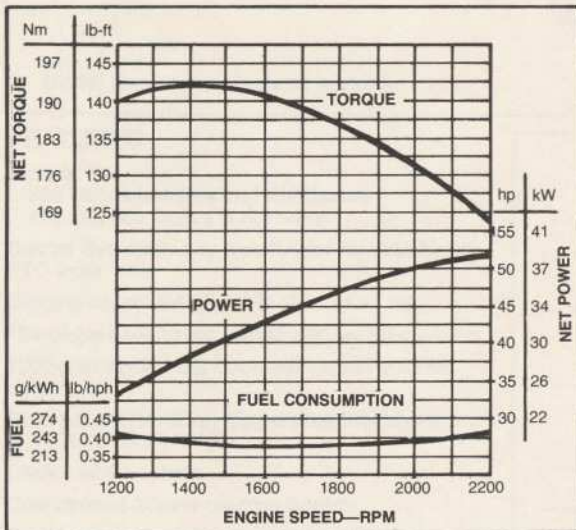
Hydraulically actuated reversing transmission; 8 speeds forward, 8 reverse

ADD VERSATILITY WITH*:

- | | |
|-------------|----------------------|
| Swing boom | Hydraulic bucket |
| Dozer blade | Log clamps |
| Rotator | Concrete block tines |
| Hose reel | |

*Available from Little Giant Products, Inc.

ENGINE PERFORMANCE



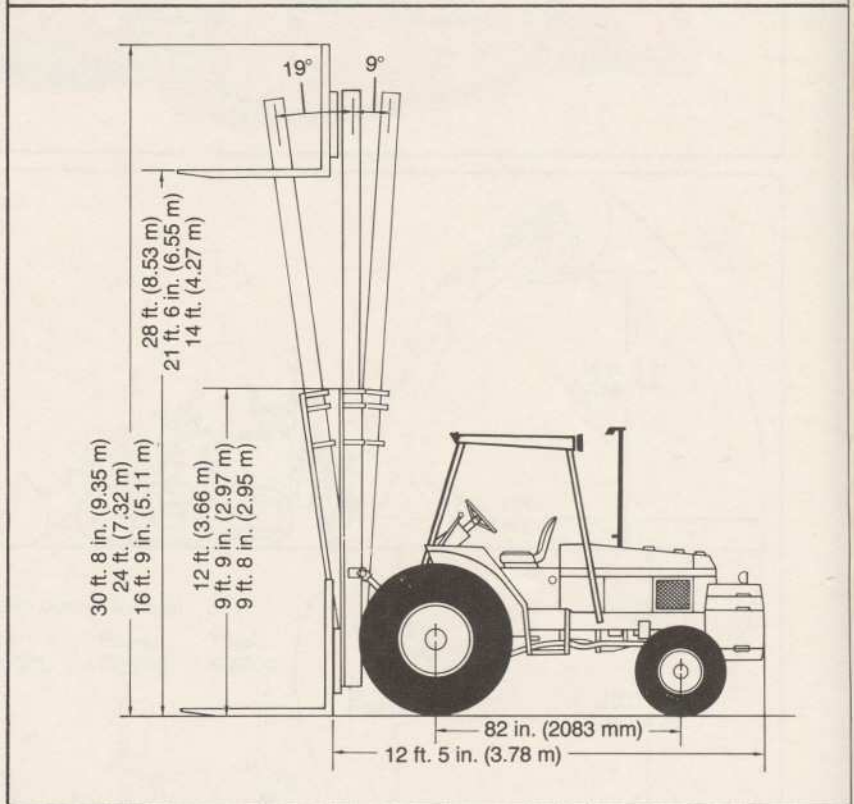
FORKLIFT SPECIFICATIONS

Hydraulic System: Open-Center

- Control 3-lever
- Pump Gear, 20.4 gpm (1.29 L/s) @ 2200 engine rpm
- Pressure ... 2000 psi (13 790 kPa) (140.6 kg/cm²)
- Oil lines Seamless steel tubing; double-wire-braid hose
- Filter 25-micron paper cartridge in return



Model shown may include options.



480C FORKLIFT SPECIFICATIONS

(Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE Standards. Except where otherwise noted, these specifications are based on a unit with 16.9-24 drive tires, 11L-15 steering tires, pallet fork, full fuel tank and 175-lb. (79 kg) operator.)

Rated Power @2500 rpm:	SAE	DIN 70 020
Net	52 hp (38.8 kW)	40.7 kW
Gross	56 hp (42 kW)	

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 70 020, using No. 2-D fuel @35 API gravity. No derating is required up to 5000 feet (1500 m) altitude. Gross power is without cooling fan.

Engine: John Deere 4-219D

Type	4-stroke cycle, naturally aspirated diesel
No. of cylinders	4
Displacement	219 cu. in. (3.589 L)
Maximum net torque @1300 rpm	142 lb-ft (193 Nm) (19.6 kg-m)
Cooling fan	Suction
Compression ratio	16.8 to 1
Lubrication	Pressure system w/full-flow filter
Main bearings	5
Air cleaner	Dry
Electrical system	12 volt w/35-amp alternator
Battery (12 volt) 72 amps	Reserve capacity: 110 minutes

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

Transmission 8-speed transmission w/hydraulically actuated no-clutch direction reverser.

Gear:	Travel Speeds:			
	mph		km/h	
	Fwd.	Rev.	Fwd.	Rev.
1	1.6	1.4	2.6	2.3
2	2.3	2.0	3.7	3.2
3	3.5	3.0	5.6	4.8
4	4.8	4.1	7.7	6.6
5	6.3	5.4	10.1	8.7
6	9.0	7.8	14.5	12.6
7	13.5	11.5	21.7	18.5
8	18.7	16.1	30.1	25.9

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. 10 in. (3.30 m)
 Turning clearance (brake applied w/o fork) 22 ft. 6 in. (6.86 m)
 Wheel rotation, max. left to max. right 3 turns

Tires:	Drive	Steering
	16.9-24, 8-PR, R4	11L-15, 8-PR, F3
	19.5L-24, 8-PR, R4	7.50/8.00-16, 10-PR, F3
	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. 8 in. (813 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	Antifreeze
Under-hood muffler w/extension and rain cap	Fuel gauge
Ether starting aid	Oil pressure indicator light
Overhead guard	Alternator charge indicator light
Hand throttle	Water temperature gauge
Foot throttle	Appropriate counterweight
Differential lock	Lights
Fenders	Transistorized voltage regulator
Fuel filter	Horn
Key switch start	Air cleaner restriction indicator

SAE Operating Weight (w/required counterweights):

14 ft., 6000-lb. capacity	11,440 lb. (5190 kg)
21 ft. 6 in., 5000-lb. capacity	11,310 lb. (5130 kg)
28 ft., 5000-lb. capacity	12,160 lb. (5520 kg)

Shipping Weight:

Two 4-ft. (1.22 m) 5000-lb. (2268 kg) pallet tines	350 lb. (160 kg)
Two 4-ft. (1.22 m), 6000-lb. (2722 kg) pallet tines	425 lb. (190 kg)

Operating Information	Maximum Lifting Height						
	14 ft. (4.27 m)			21 ft. 6 in. (6.55 m)			28 ft. (8.53 m)
Max. lift capacity*	4000 lb. (1810 kg)	6000 lb. (2720 kg)	6000 lb. (2720 kg)	4000 lb. (2270 kg)	6000 lb. (2720 kg)	6000 lb. (2720 kg)	5000 lb. (2270 kg)
Lift capacity at full height*	4000 lb. (1810 kg)	6000 lb. (2720 kg)	6000 lb. (2720 kg)	2500 lb. (1130 kg)	2500 lb. (1130 kg)	2500 lb. (1130 kg)	1000 lb. (450 kg)
Free lift	—	84 in. (2.13 m)	—	—	—	—	—
Side-shift...3 in. (76 mm) to right and left of center	Yes	Yes	Yes	Yes	Yes	Yes	No
Rate of lift @ 2350 engine rpm (max. load)	72 fpm (22 m/min)	84 fpm (23.6 m/min)	72 fpm (22 m/min)	105 fpm (32 m/min)	105 fpm (32 m/min)	105 fpm (32 m/min)	105 fpm (32 m/min)
Rate of drop (max. load)	46 fpm (14 m/min)	42 fpm (12.8 m/min)	46 fpm (14 m/min)	68 fpm (20.7 m/min)	68 fpm (20.7 m/min)	62 fpm (18.9 m/min)	68 fpm (20.7 m/min)

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

Special Equipment:

- Engine coolant heater
- Vandal protection
- Load backrest extension
- Parking brake
- Two 12-volt batteries, 72 amps each