

ENGINE

John Deere engineered and manufactured. Replaceable wet type cylinder liners provide superior heat dissipation, longer life. High strength alloy heads have replaceable valve seat inserts. The forged steel, 5-main bearing crankshaft is statically and dynamically balanced for smooth operation. Cast aluminum pistons provide good heat transfer and pistons are sprayed with cooling oil for longer life.

Engine: John Deere 4039D

Rated power at 2200 rpm	60 SAE net hp (45 kW)
	63 SAE gross hp (47 kW)
Cylinders	4
Displacement	239 cu. in. (3.917 L)
Main bearings	5
Fuel consumption, typical	1.12 to 1.75 gal/hr (4.25 to 6.6 L/h)
Torque rise	172 lb-ft (233 Nm)
Lubrication	pressure system with full-flow filter
Air cleaner	safety element and restriction indicator
Electrical system	12 volt with 78 amp alternator

TRANSMISSION

John Deere designed and built 4-speed helical gear, synchronized collar shift transmission with hydraulic reverser. Uses single stage, dual phase 11-inch (280 mm) torque converter with 2.78:1 stall ratio.

TRAVEL SPEEDS

Travel Speeds	Gear	Forward		Reverse	
		mph	(km/h)	mph	(km/h)
With 16.9-24 drive and 11Lx16 steering tires	1	3.1	5.0	3.4	5.5
	2	5.3	8.5	5.9	9.5
	3	11.3	18.2	12.6	20.3
	4	20.7	33.3	23.0	37.0

FINAL DRIVES/BRAKES

Heavy-duty, inboard mounted planetary type. Evenly distribute axle shock loads over three gears that run in a cooling bath.

STEERING

Hydrostatic power steering gives superior control at all speeds. Excellent steering torque allows easy maneuvering with heavy loads. Emergency steering conforms to SAE J53.

Regular steering axle	
Turning radius (with brakes)	12 ft. (3.65 m)
Turning clearance circle (with brakes)	24 ft. 4 in. (7.41 m)
Steering wheel turns, left to right	3.4
right to left	2.8
All wheel drive (engaged)	
Turning radius (with brakes)	11 ft. 2 in. (3.40 m)
Turning clearance circle (with brakes)	22 ft. 8 in. (6.90 m)
Steering wheel turns both right and left	2.5
Axle oscillation stop to stop, both axles	22 degrees

HYDRAULICS

System	open center
Control	3 levers
Pressure	2000 psi (13 790 kPa)
With 21.5 ft. (6.55 m)	
6000 lb. (2720 kg) mast only	2250 psi (15 500 kPa)
Pump	gear type
Flow at 2200 engine rpm	
Primary	19.1 gpm (72 L/min)
Steering	5.4 gpm (20 L/min)
Filter, return oil	10 micron, spin-on replaceable element

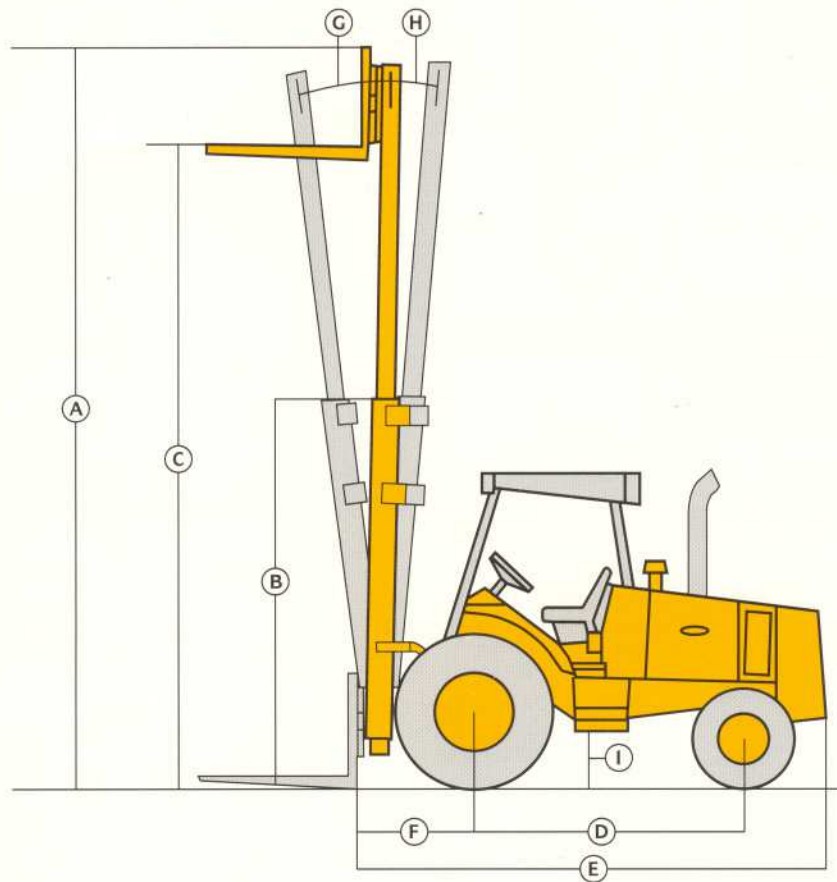
TIRES

Drive	Steering
16.9-24, 8 PR R4	
19.5L-24, 10 PR R4	11L-16, 10 PR F3
With mechanical-front-wheel drive	
19.5L-24, 10 PR R4	12-16.5, 8 PR R4
Wheel tread width drive:	
16.9-24 tire	64 in. (1625 mm)
19.5L-24 tire	65.5 in. (1664 mm)
Wheel tread width steering	
11L-16 tire	69 in. (1753 mm)
12-16.5 tire	68 in. (1727 mm)

CAPACITIES

Fuel tank	21 gal.	(79 L)
Cooling system	17 qt.	(16 L)
Engine crankcase	9 qt.	(8.5 L)
Hydraulic system	13 gal.	(49 L)
Transmission	6 gal.	(23 L)
MFWD axle differential	7 qt.	(7 L)
MFWD planetaries	3 qt.	(3 L)
Torque converter/reverser	8 qt.	(7 L)

DIMENSIONS



Key:

A Overall height — mast closed, unloaded	12 ft. (3.66 m)
	9 ft. 9 in. (2.97 m)
B Overall height — mast raised, unloaded	9 ft. 8 in. (2.95 m)
	30 ft. 8 in. (9.35 m)
	24 ft. (7.34 m)
C Maximum fork height — forks horizontal, loaded	16 ft. 9 in. (5.11 m)
	28 ft. (8.53 m)
	21 ft. 6 in. (6.55 m)
	14 ft. (4.27 m)
D Wheelbase	82.7 in. (2100 mm)
With mechanical-front-wheel drive	83.3 in. (2115 mm)
E Overall length, from front of fork carriage to farthest projection of counterweight	12 ft. 2 in. (3.70 m)
F Reach — from centerline of drive wheels to front of fork carriage	2 ft. 8 in. (813 mm)
G Degrees tilt — forward	15 degrees
H Degrees tilt — rear	11 degrees
I Ground clearance, minimum	2 ft. 2 in. (660 mm)
Overall width	7 ft. 1 in. (2160 mm)

482C FORKLIFT OPERATING INFORMATION

	Maximum Lifting Height				
	14 ft. (4.27 m)		21 ft. 6 in. (6.55 m)		28 ft. (8.53 m)
Maximum lift capacity*	6000 lb. (2720 kg)	6000 lb. (2720 kg)	5000 lb. (2270 kg)	6000 lb. (2720 kg)	5000 lb. (2270 kg)
Lift capacity at full height*	6000 lb. (2720 kg)	6000 lb. (2720 kg)	2500 lb. (1130 kg)	2500 lb. (1130 kg)	1000 lb. (450 kg)
Free lift	84 in. (213 mm)	—	—	—	—
Side-shift 3 in. (76 mm) to right and left of center	Yes	Yes	Yes	Yes	Yes
Rate of lift at 2350 engine rpm (max. load)	72 fpm (22 m/min)	62 fpm (19 m/min)	94 fpm (19 m/min)	94 fpm (19 m/min)	94 fpm (19 m/min)

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

OPERATING WEIGHT

14 ft. (4.27 m) 6000 lb. (2720 kg) capacity mast	12,200 lb. (5530 kg)
14 ft. (4.27 m) 6000 lb. (2720 kg) capacity Free Lift mast	12,500 lb. (5680 kg)
14 ft. (4.27 m) 6000 lb. (2720 kg) capacity See Through mast	12,400 lb. (5620 kg)
21 ft. 6 in. (6.55 m) 5000 lb. (2270 kg) capacity mast	12,700 lb. (5760 kg)
21 ft. 6 in. (6.55 m) 6000 lb. (2720 kg) See Through mast	13,300 lb. (6030 kg)
28 ft. (8.53 m) 5000 lb. (2270 kg) capacity mast	13,000 lb. (5900 kg)

Tines (Shipping Weight)

Two 4 ft. (1.22 m) 5000 lb. (2270 kg) pallet tines	350 lb. (160 kg)
Two 4 ft. (1.22 m) 6000 lb. (2720 kg) pallet tines	425 lb. (190 kg)