



Model 6000C Forklift

SPECIFICATIONS

STANDARD EQUIPMENT

- 14 x 17.5 Pneumatic Tires 10-ply
- Power Steering
- ROPS/FOPS Guard
- Safety Platform
- 3rd Valve
- Adjustable Suspension Seat
- Headlights and Rear Working Lights
- Joystick Control
- 107 DBA Reverse Alarm
- 7 Micron Hydraulic Filtration
- SAE J386 Seat Belt
- Hour Meter
- 1-850 CCA 12V Battery
- Horn, Single Note
- Antifreeze to -40° F (-40° C)
- Gauges: Engine Temperature, Hydraulic Oil Temperature, Fuel Level, Ammeter, Oil Pressure
- Dual Element Air Filter with Pre-cleaner
- Emergency Brake, Spring Applied, Hydraulic Release
- Keyed Switch
- Industrial Yellow Enamel Paint
- Internal Wet Disc Brakes
- 4-Wheel Drive Hydrostatic Drivetrain
- Lockable Engine Compartment Doors

OPTIONAL EQUIPMENT

- Pressurized and/or Air Conditioned Cab with Defroster and Wipers
- Cab Heater
- Windshield
- Hazardous Atmosphere Alternator
- Solid Tires
- Attachments
- Drive Line Protection Kit
- Fire Resistant Fuel Cap
- PTX Exhaust Purifier with Spark Arrester Muffler
- 4th Valve Section Add-on
- Power Beyond Hydraulic Kit
- Block Heater
- Manifold Heater

Note: All specifications are in accordance with SAE standards or recommended practices, where applicable. Under our policy of improvement, Waldon reserves the right to modify specifications at any time without prior notice or obligation. Units shown may include non-standard equipment.



201 West Oklahoma Ave. • Fairview, OK 73737
580.227.3711 • Fax 580.227.2165
www.waldonequipment.com



Model 6000C Forklift

- 4 Wheel hydrostatic drive train provides maximum traction in adverse conditions
- Automotive type hydrostatic control

**6,000 lb. (2724 kg)
capacity compact,
articulating,
4-wheel drive
lift truck**



- Designed for large capacity industrial and rough terrain material handling in confined areas
- The most compact forklift of its capacity available in its class
- Extremely high gradability
- High drawbar power
- High output low cost operation in multi-shift abusive material handling environments
- Waldon's most powerful, productive lift truck



SPECIFICATIONS

ENGINE

Make & Model..... Cummins B3.3
 Displacement 201 cu. in. (3.3 liters)
 Number of Cylinders 4
 Type of Engine 4 Stroke Turbocharged
 Fuel Diesel
 Cooling System..... Liquid
 SAE Net Horsepower @ 2500 RPM..... 85 hp (62.5 kw)
 Gross Operating Weight to Horsepower Ratio 106 lbs./1 HP

Note: The net power is rated at SAE standard ambient temperature and barometric conditions 77° F (25° C) and 29.61 in Hg. (100 kPa)

Air Cleaner Two element dry type with pre-cleaner
 Electrical System..... 12 Volt system protected by fused breakers
 1-850 CCA 12V Battery
 Governor Type Diesel injection pump control

HYDRAULIC SYSTEM

Tilt Cylinder, Bore & Stroke.....5 in. x 10 in. (127 mm x 254 mm)
 Pump Description Gear type
 Drive Pump Capacity @ 2500 RPM.....37 GPM (140 lit./min.)
 Steering, Boom, Bucket Pump Capacity26 GPM (98 lit./min) @ 2500 RPM
 Priority Flow to SteeringFlow proportional to steering rate
 Control Valve.....Standard - 3 spool sectional
 Auxiliary Hydraulics Standard 3rd valve for additional unitractor attachments. Power beyond available
 Filtration.....7 micron spin-on
 Relief Valve Setting Drive train - 5100 PSI (35136 kPa)
 Boom and bucket - 2250 PSI (15511 kPa)
 Steering - 1500-2000 PSI

AXLES & HUBS

TypeFront - differential, planetary outboard hubs,
 Sealed brakes
 Rear - differential, planetary outboard hubs
 Description..... Ring gear and pinion with planetary hub
 Static Load Rating.....22,000 lbs.
 (Refer to performance data for operating capacity)
 Oscillation, frame.....22°

VEHICLE & MAST WEIGHTS

Empty Weight w/ 10 ft Mast..... 11,000 lbs. (4994 kg)
 Empty Weight w/ 12 ft Mast..... 11,400 lbs. (5175 kg)
 Empty Weight w/ 15 ft Mast..... 11,800 lbs. (5357 kg)

TRANSMISSION

Type Hydrostatic 4-wheel drive, forward & reverse control with low and high shift on the go
 Control..... Foot control engine throttle
 Hand control forward and reverse
 Electric high and low shift
 Description..... Variable displacement piston type pump
 37 GPM @ 5000 PSI
 2-speed piston type motor
 Travel Speeds @ 2500 RPM with 14 x 17.5 tires
 Low Range, Forward or Reverse.....0-6.5 MPH (0-10.4 Km/h)
 High Range, Forward or Reverse.....0-13 MPH (0-20.9 Km/h)

STEERING

Type Articulation
 Description..... Center pivot articulating with hydraulic power steering. Front and rear tires always track
 Steering Angle (Left or Right)40°
 Minimum Turning Radius, Inside 62 in. (1574.8 mm)
 Steering Cylinders, Bore & Stroke..3 in. x 8 in. (76.2 mm x 203.2 mm)

BRAKES

Type Internal sealed wet disc
 Description..... SERVICE - Sealed wet disc type in front axle, (hydraulically actuated)
 PARKING - Spring applied hydraulically released - SAHR
 Dynamic Braking.....Hydrostatic drivetrain system

SERVICE CAPACITIES

Radiator 24 Quarts (22.8 lit.)
 Fuel Tank.....24 U.S. Gal. (90.84 lit.)
 Hydraulic System
 Reservoir Only.....16.0 U.S. Gal. (60.57 lit.)
 Complete System.....20.0 U.S. Gal. (75.71 lit.)
 Engine Crankcase with Filter 9.0 Quarts (8.5 lit.)
 Differentials (Each)6.5 Pints (3.07 lit.)
 Planetary Hub (Each).....1.44 Pints (0.54 lit.)

MAX. GRADEABILITY & DRAWBAR PULL

Condition	Maximum % Grade	
	Low Gear	High Gear
Empty	64%	18%
Loaded (6,000 lb. Payload)	38%	12%
Drawbar Pull	Max. Low Gear 6,500 lbs. (28925 N)	Max. High Gear 2,300 lbs. (10235 N)

PERFORMANCE/DIMENSIONS

MAST DESCRIPTION

10 ft. and 12 ft. — 2 Rail
 Type Two Stage Roller, 4" dia. sealed roller bearings
 Lift Cylinder, Primary (one only) 2.25 in. effective dia.
15 ft. — 3 Rail
 Type Triple Stage Roller, 4" & 5" dia. sealed roller bearings
 Lift Cylinder, Primary (one only) 3.25 in. effective dia.
 Secondary (two only) 3.25 in. effective dia.
 Lift Chain . . . **2 Rail** = 2 used, Type BL 634 5 to 1 Safety Factor
3 Rail = 4 used, Type BL 634
 Mast Rails . **2 Rail & 3 Rail** = Channel & I-Beam, Specially Rolled Sections of V1027 — SAE 1045 Fine Grained Steel.
 Frame Mount Mounts to tractor frame with 1 1/2" dia. pin.

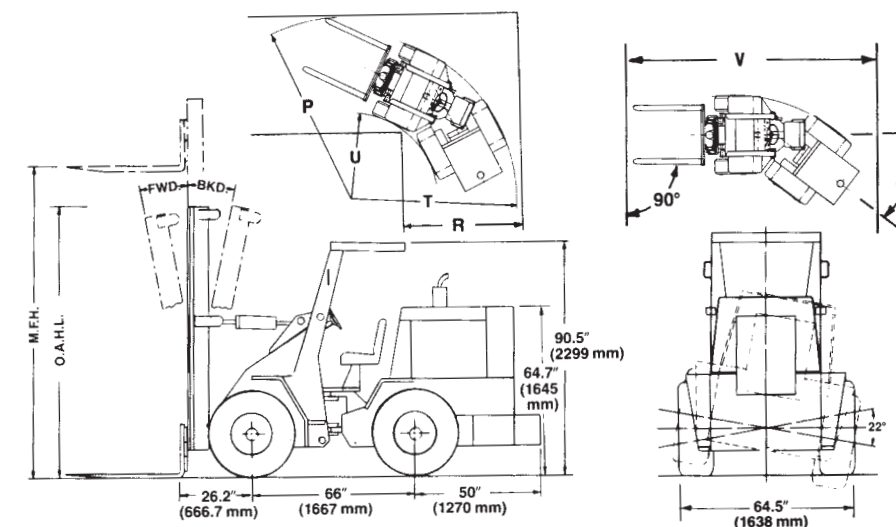
MAST SPECIFICATIONS

Mast	MFH	OAHL	FFH	Tilt	
				Fwd.	Bkd.
10ft.	120 in.	94 in.	0 in.	14°	11°
2 Rail	(3048)	(2387)	(0 mm)		
12 ft.	144 in.	105 in.	0 in.	14°	11°
2 Rail	(3657)	(2667)	(0 mm)		
15 ft.	180 in.	90.5 in.	59 in.	14°	11°
3 Rail	(4572)	(2299)	(1498 mm)		

(MFH) — Maximum Fork Height (FFH) — Free Fork Height or Free Lift (OAHL) — Over All Height Lowered

DIMENSIONS

P 48" x 48" Payload 137 in. (3480 mm)
 R Intersecting Aisles 96 in. (2438 mm)
 T Outside Turning Radius 126.5 in. (3213 mm)
 U Inside Turning Radius 62 in. (1575 mm)
 V Between Aisles
 48" fork, vehicle 90° to stacking bin 202 in. (5131 mm)



CARRIAGE/FORK DESCRIPTION

Type **2 RAIL** — ITA Class III hook.
 Bearings = Four 4" radial, Four 3 1/2" thrust.
3 RAIL — ITA Class III hook.
 Bearings = Six 4" radial, Four 3 1/2" thrust.
 Forks, Type..... ITA Class III hook, 48 in. (1219 mm)

FORKLIFT CAPACITIES

	Load Lift Height @ 24" load center	Rough Terrain	In Plant
10 ft. 2 Rail Mast & Tractor	0 - 9 ft.	6,000 lbs.	6,000 lbs.
	0 - 10 ft.	5,000 lbs.	
12 ft. 2 Rail Mast & Tractor	0 - 10 ft.	6,000 lbs.	6,000 lbs.
	10 - 11 ft.	5,000 lbs.	
	11 - 11.5 ft.	4,000 lbs.	
	11.5 - 12 ft.	3,000 lbs.	
15 ft. 3 Rail Mast & Tractor	0 - 10 ft.	6,000 lbs.	6,000 lbs.
	10 - 12.5 ft.	4,000 lbs.	
	12.5 - 13 ft.	3,000 lbs.	
	13 - 14 ft.	2,000 lbs.	
	14 - 15 ft.	1,200 lbs.	4,000 lbs.

Rating based on U.S.A. Standards
 ANSI B56.1 — 1975 in Plant ANSI B56.6 — 1978 Rough Terrain

HYDRAULIC CYCLE TIME

Note: Engine @ 2500 R.P.M.	2 RAIL 10 ft.	2 RAIL 12 ft.	3 RAIL 15 ft.
Raise (Empty, to full height)	5.0 sec.	5.8 sec.	7.4 sec.
Lower (Empty, from full height)	8.2 sec.	9.5 sec.	12.2 sec.
Tilt (Vertical to backward)	1.0 sec.	1.0 sec.	1.0 sec.
Tilt (Backward to Vertical)	1.3 sec.	1.3 sec.	1.3 sec.