

FORKLIFT

8500C



SEVERE DUTY
EQUIPMENT

01 EFFICIENT

02 COMPACT

03 PERFORMANCE

04 HEAVY DUTY

05 ARTICULATING



This heavy-duty, articulating, 4-wheel drive Waldon 8500C Forklift has a load capacity of 12,000 lbs. This unit is designed for large capacity industrial and rough terrain material handling in confined areas. With the high drawbar and gradability, the Waldon 8500C Forklift is without a doubt an excellent choice. This loader is designed and manufactured in the U.S.A.

WALDON

www.waldonequipment.com

SPECIFICATIONS

ENGINE

Make & Model..... Yanmar 4TNV94FHT
Fuel.....Diesel
Cooling System.....Liquid
Cu. In. (liters)..... 186.6 (3.058)
Net HP @ 2500 RPM (kilowatts).....118

HYDRAULIC SYSTEM

Lift Cylinders, Bore & Strokes..... 4 in. x 26 in. (102 mm x 660.4 mm)
Bucket Cylinder, Bore & Stroke..... 5 in. x 10 in. (127mm x 305 mm)
Pump Description..... Gear type
Steering, Boom, Bucket Pump Capacity...35 GPM (132.4 lit./min) @ 2500 RPM
Priority Flow to Steering..... Flow proportional to steering rate
Control Valve..... Standard - 3 spool sectional
Auxiliary Hydraulics..... Standard 3rd valve for additional unitractor
attachments. Power beyond available
Filtration..... 10 micron spin-on
Relief Valve Setting..... Drive train - 6000 PSI (408 bar)
Boom and bucket - 2500 PSI (170 bar)
Steering - 2000 PSI (136 bar)
Hydraulic Cycle Time @ 2500 RPM, Standard Bucket:
Raise..... 7.0 seconds
Bucket Dump..... 2.0 seconds
Bucket Rollback..... 2.3 seconds
Lower..... 6.5 seconds
Total Cycle.....17.8 seconds

BRAKES

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

STEERING

Type..... Articulating
Description..... Center pivot articulating with hydraulic
power steering. Front and rear tires always track.
Steering Angle (Left or Right).....37°
Minimum Turning Radius, Inside..... 63 in. (1600 mm)
Steering Cylinders, Bore & Stroke..... 3 in. x 8 in. (76.2 x 203.2 mm)

TRANSMISSION

Type.....Hydraulic 4-wheel drive
Control..... **Foot Operated Engine Control**
Hand operated forward / reverse lever
Mechanical high-low range lever
Description..... Variable displacement piston pump
26 GPM @ 6000 PSI
variable displacemnet piston motor
Travel Speeds @ 2500 RPM with 15 x 19.5 Tires
Low Range, Forward or Reverse..... 0-7 MPH (0-11.3 Km/h)
High Range, Forward or Reverse..... 0-15 MPH (0-24.4 Km/h)

AXLES & HUBS

Type..... Front - differential, planetary outboard hubs,
Sealed brakes
Rear - differential, planetary outboard hubs
Description..... Ring gear and pinion with planetary hub



PRECISION AND
PERFORMANCE



STANDARD EQUIPMENT

- 15 x 19.5 Pneumatic Tires 12-ply
- Power Steering
- ROPS/FOPS Guard
- Safety Platform
- Joystick Control
- 3rd Valve
- Adjustable Suspension Seat
- Headlights and Rear Working Lights
- Joystick Control
- 107 DBA Reverse Alarm
- 7 Micron Dual Hydraulic Filtration
- SAE J386 Seat Belt
- Hour Meter
- 1-850 CCA Battery
- Horn, Single Note
- Antifreeze to -40° F (-40° C)
- Engine Display Includes:
 Engine Temperature, Hydraulic Oil Temperature,
 Fuel Level, Ammeter, Oil Pressure
- Dual Element Air Filter with Pre-cleaner
- Emergency brake, manual set
- 2240 lb. (1016.8 kg) Counterweights
- 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
- Water Glycol for Hydrostatic System
- 4th Valve Section Add-on
- Power Beyond Hydraulic Kit
- Variety of Pneumatic Tire and Wheel Kit
- Variety of Solid Tire and Wheel Kit

FORKLIFT ATTACHMENTS FOR MULTI-JOB USE

- | | |
|-------------------------|--------------------------|
| • Rail coupler | • Pipe clamp-down |
| • Load retainers | • Side shifter |
| • Rotating roll clamps | • Rotating fork clamps |
| • Dumper / upender | • Drop bottom box dumper |
| • 2-or-1 pallet handler | • Rotary snow blower |
| • Hydraulic die handler | • Hydraulic scoops |
| • Telescopic boom | • Hydraulic plows |

WALDON
 an entity of Broce Manufacturing

SPECIFICATIONS

DIMENSIONS

| | |
|--|-------------------|
| 48" x 48" Payload..... | 150 in. (3759 mm) |
| Intersecting Aisles..... | 106 in. (2692 mm) |
| Outside Turning Radius..... | 135 in. (3429 mm) |
| Inside Turning Radius..... | 63 in. (1600 mm) |
| Between Aisles | |
| 48" fork, vehicle 90° to stacking bin..... | 220 in. (5588 mm) |

MAST SPECIFICATIONS

| Mast | MFH | OAHL | FFH | Tilt | |
|------------------|----------------------|----------------------|---------------------|------|------|
| | | | | Fwd. | Bkd. |
| 12 ft. 2 Rail | 153 in. (3886 mm) | 92 in. (2337 mm) | 49 in. | 14° | 11° |
| 15 ft. 3 Rail | 178 in. (4471 mm) | 102 in. (2591 mm) | 58 in. (1473 mm) | 14° | 11° |

(MFH) -- Maximum Fork Height (OAHL) -- Over All Height Lowered
(FFH) -- Free Fork Height of Free Lift

FORKLIFT CAPACITIES

| | Load Lift Height @ 24" load center | Rough Terrain | In Plant |
|------------------------------------|---------------------------------------|------------------|-------------|
| 12 ft. 2 Rail Mast & Tractor | 0 - 10 ft. | 12,000 lbs. | |
| | 10 - 12.75 ft. | 10,000 lbs. | |
| | 0 - 12.75 ft. | | 12,000 lbs. |
| 15 ft. 3 Rail Mast & Tractor | 0 - 10 ft. | 12,000 lbs. | |
| | 10 - 12 ft. | 10,000 lbs. | |
| | 12 - 13 ft. | 6,000 lbs. | |
| | 13 - 15 ft. | 5,000 lbs. | |
| | 0 - 15 ft. | | 12,000 lbs. |

Rating based on U.S.A Standards
ANSI B56.1 ANSI B56.6

FORKLIFT CAPACITIES

Note: Engine @ 2500 R.P.M.

| | 3 Rail 12 ft. | 3 Rail 15 ft. |
|---------------------------------|------------------|------------------|
| Raise (Empty, to full height) | 11.1 sec. | 13.2 sec. |
| Lower (Empty, from full height) | 18.3 sec. | 21.8 sec. |
| Tilt (Vertical to backward) | 2.0 sec. | 2.0 sec. |
| Tilt (Backward to Vertical) | 3.3 sec. | 3.3 sec. |

