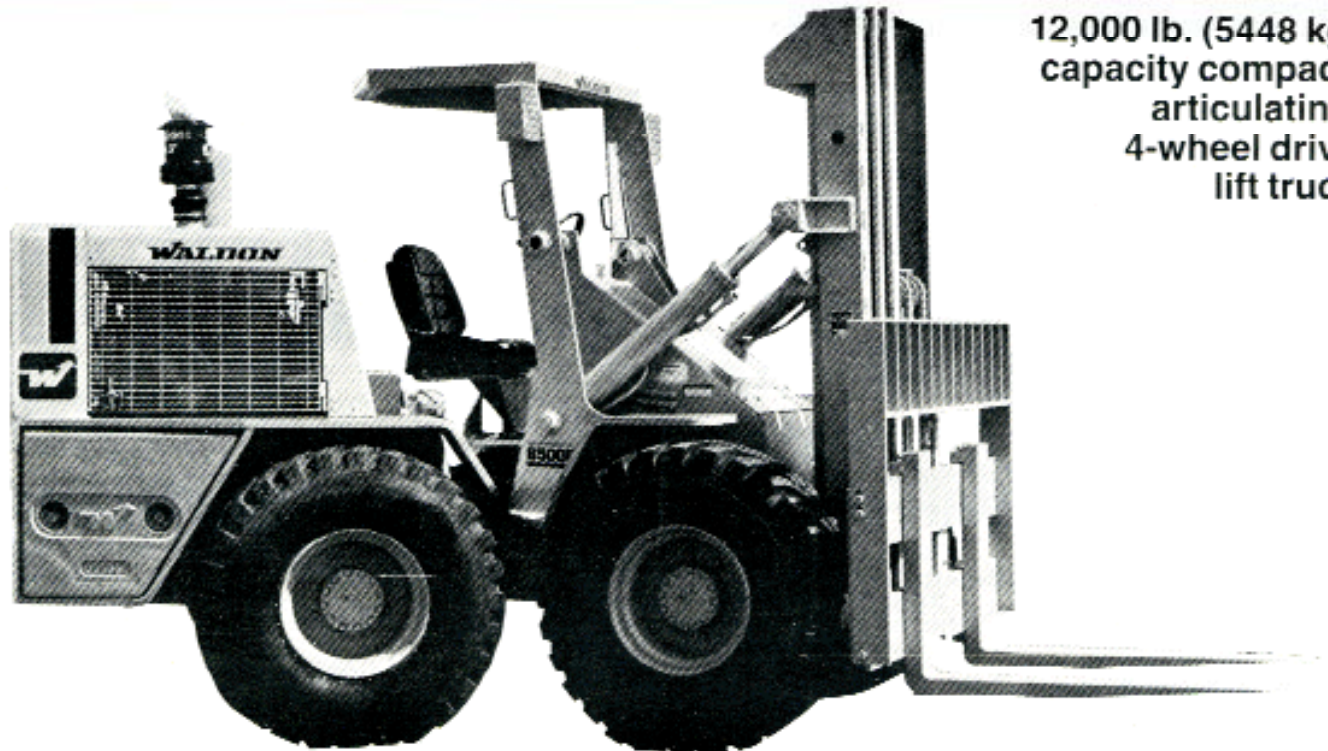


WALDON

A CELSTAR COMPANY

8500C Forklift



**12,000 lb. (5448 kg)
capacity compact,
articulating,
4-wheel drive
lift truck**

Engine Doors are optional



WALDON

"Not Just Another Loader"

- Designed for large capacity industrial and rough terrain material handling in confined areas
- The most compact forklift of its capacity available in its class
- Both tractor and most attachments are made by Waldon for a totally integrated tractor/attachment unit
- Extremely high gradability and traction
- High drawbar power
- High output low cost operation in multi-shift abusive material handling environments
- Waldon's most powerful, productive lift truck

WALDON

A CELSTAR COMPANY

DURABLE PRODUCTS . . .
DEPENDABLE PEOPLE

8500C Forklift



ENGINE

Make & Model	Cummins 4BT3.9
Displacement . . . cu. in. (liters)	239.3 (3.92)
Number of Cylinders	4
Type Engine	Turbocharged
Fuel	Diesel
Cooling System	Liquid
SAE Net Horsepower @ 2500 RPM	100
Maximum Torque @ 1700 RPM	260 ft. lb. (3794 N/m)
Measured in Foot/Pounds Up to	
1000 ft. (300 m) altitude, 77° F (25° C)	
Horsepower to gross operating Weight Ratio	333 lbs./1 HP
Note: The power is rated at SAE J1349 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 2 Batteries — BCI Group Size 22 F Cold cranking, 810 AMPS. @ 0° F (-18° C)
Governor Type	Diesel injection pump control



AXLES & HUBS

Type	Front — Differential, Planetary outboard hubs, Sealed brakes Rear — Differential, Planetary outboard hubs
Description	Ring gear and Pinion with Planetary hub
Torque Increase	10.4-1 Ratio
Static Load Rating	2700 lbs.
(Refer to Performance data for operating capacity)	
Oscillation, Frame	22"



HYDRAULIC SYSTEM

Lift Cylinders, Bore	12 ft. 9 in. and 14 ft. 10 in.
	Primary (one only) 4.6" (117 mm) Secondary (two only) 3.25" (82.5 mm)
Tilt Cylinder, Bore & Stroke	4" x 26" (102 mm x 660.4 mm)
Pump Description	Gear Type
Steering and Mast @ 2500 RPM	35 GPM (132.4 lit./min.)
Priority flow to steering	6 GPM (22.7 lit./min.)
Control Valve	Standard — 3 Spool Sectional Valve
Auxiliary Hydraulics	Standard 3rd valve for additional Unitractor attachments. Power beyond available.
Filtration	10 Micron Spin-On
Relief Valve Setting, Drive Train	6000 PSI (41340 kPa)
Mast Raise and Tilt	2500 PSI (17225 kPa)
Steering	2000 PSI (13780 kPa)

MAX. GRADEABILITY & DRAWBAR PULL

Condition	Maximum % Grade	
	Low Gear	High Gear
Empty	54%	43%
Loaded (12,000 lb. Payload)	34%	15%
Drawbar Pull	Max. Low Gear 11,500 lbs. (51175 N)	Max. High Gear 5,200 lbs. (23140 N)



TRANSMISSION

Type	Hydrostatic 4-wheel drive, low and high transfer case — forward and reverse control
Control	Foot control engine throttle Hand control forward and reverse Mechanical low and high range lever
Description	Piston type pump — 26 GPM (98.5 lit./min.) @ 6000 PSI (41340 kPa) — Variable displacement Piston type motor — Variable displacement Transmission — Two speed gear box, high or low Automatic Load Sensing Control — Similar to torque converter
Travel Speeds (@ 2500 RPM, with 18 x 19.5 tires)	
Low Range, Forward	0-7.5 mph (0-12.1 Km/h)
Reverse	0-2.5 mph (0-4.0 Km/h)
High Range, Forward	0-16.0 mph (0-25.8 Km/h)
Reverse	0-5.4 mph (0-8.7 Km/h)



STEERING

Type	Articulation
Description	Center pivot articulating with hydraulic power steering. Front and rear tires always track.
Steering Angle (Left or Right)	35°
Minimum Turning Radius, Inside	63 in. (1600.2 mm)
Steering Cylinders, Bore & Stroke	3" x 8" (76.2 x 203.2 mm)



BRAKES

Type	Internal Sealed Disc, 10 in. Dia.
Description	SERVICE — Sealed Disc Type in front differential, (hydraulically actuated) PARKING — Sealed Disc Type in front differential, (mechanically actuated)
Total Braking Area	341 in.² (2199 cm ²) (Service and Parking)
Dynamic Braking	Hydrostatic Drivetrain System



SERVICE CAPACITIES

Radiator	20 Quarts (18.9 lit.)
Fuel Tank	37 U.S. Gal. (140 lit.)
Hydraulic System	
Reservoir Only	40 U.S. Gal. (151 lit.)
Complete System	45 U.S. Gal. (170 lit.)
Engine Crankcase	
with filter	11.5 Quarts (10.9 lit.)
Differentials, Front	22 Pints (10.4 lit.)
Rear	32 Pints (15.1 lit.)
Planetary Hub, Each	1.75 Pints (.8 lit.)
Transmission	18 Pints (8.5 lit.)

VEHICLE & MAST WEIGHTS

Empty Weight w/ 12 ft. 9 in. Mast	21,100 lbs. (9579 kg)
Empty Weight w/ 14 ft. 10 in. Mast	21,300 lbs. (9670 kg)

8500C Forklift

STANDARD EQUIPMENT

- 18 x 19.5 pneumatic tires
- power assist steering
- ROPS/FOPS guard
- plastic molded, steel base adjustable seat
- 107 dba reverse alarm
- 10 micron dual hydraulic filtration
- SAE J386 seat belt
- hour meter
- two 400 amp 12V batteries
- auxiliary hydraulic kit
- horn, single note
- antifreeze to -40° F (-40° C)

- gauges: engine temperature, hydraulic oil temperature, fuel level, ammeter, oil pressure, hydraulic filter service indicator light
- dual element air filter with pre-cleaner
- emergency brake, manual set
- keyed switch and starter
- industrial yellow enamel paint
- 4-wheel hydraulic disc brakes
- 4-wheel drive hydrostatic drivetrain

OPTIONAL EQUIPMENT

- pressurized and/or air conditioned cab with defroster and wipers
- other size masts are available
- 10 x 20 x 8.0 solid tires and wheels
- headlights

UNITRACTOR 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
- contact factory for other applications
- hydraulic die handler
- hydraulic scoops
- telescopic boom
- hydraulic plows
- Model 700 Sweeper

Note: All specifications are in accordance with SAE and ANSI Standards, where applicable.
Under our policy of improvement Waldon reserves the right to modify specifications at any time without prior notice or obligation.



201 W. Oklahoma Ave.
(580) 227-3711

Fairview, OK 73737
FAX 580-227-2165