

FORKLIFT

5100



SEVERE DUTY
EQUIPMENT

01 EFFICIENT

02 COMPACT

03 PERFORMANCE

04 HEAVY DUTY

05 ARTICULATING

This heavy-duty, articulating, 4-wheel drive Waldon 5100 Forklift has a load capacity of 4000 lbs. This unit was designed for large capacity industrial and rough terrain material handling in confined areas. With the high drawbar and gradability, the Waldon 5100 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	Ford MSG-425	Yanmar 4TNV98C
Fuel.....	Gas or LP.....	Diesel
Cooling System.....	Liquid.....	Liquid
Cu. In. (liters).....	152 (2.5).....	152 (3.3)
Net HP @ 2500 RPM (kilowatts).....	63.....	69.3

HYDRAULIC SYSTEM

Lift Cylinders, Bore & Strokes.....	2.5 in. x 25.25 in. (63.5 x 641.3 mm)
Bucket Cylinder, Bore & Stroke.....	4 in. x 8 in. (101.6 x 203.2 mm)
Pump Description.....	Vane type
Steering, Boom, Bucket Pump Capacity.....	14.5 GPM (54.88 lit./min) @ 2500 RPM
Priority Flow to Steering.....	4 GPM (15.4 lit./min)
Control Valve.....	Standard - 3 spool sectional open center
Auxiliary Hydraulics.....	Standard 3rd valve for additional unitractor attachments Power beyond hydraulics available
Filtration.....	10 micron spin-on
Relief Valve Setting.....	Drive train - 1950 PSI (13443 kPa) Boom and bucket - 1900 PSI (13098 kPa) Steering - 1800 PSI (12409 kPa)
Hydraulic Cycle Time @ 2200 RPM, Standard Bucket:	
Raise.....	6.0 seconds
Bucket Dump.....	1.5 seconds
Bucket Rollback.....	2.0 seconds
Lower.....	2.5 seconds
Total Cycle.....	12.0 seconds

BRAKES

Brake Type.....	Four-wheel hydraulic
Brake Description.....	Hydraulically actuated drum type brakes
Parking Brake.....	Mechanical

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.....	54.0 in. (1371 mm)
Steering Cylinders, Bore & Stroke.....	3 in. x 8 in. (76.2 x 203.2 mm)

TRANSMISSION

Type.....	Low pressure, hydraulic 4-wheel drive
Control.....	Foot Operated Engine Control Hand operated forward / reverse lever Mechanical high-low range lever
Description.....	Vane type pump - 31 GPM (109.7 lit./min.) @ 1950 PSI (1344 kPa) Gear type motor - fixed displacement
Transmission.....	two speed gear box, low or high
Travel Speeds @ 2250 RPM with 10.00 x 16.5 Tires, 12-Ply	
Low Range, Forward or Reverse.....	0-2.4 MPH (0-3.86 Km/h)
High Range, Forward or Reverse.....	0-7.7 MPH (0-12.39 Km/h)

AXLES & HUBS

Axle Type.....	Front and rear full floating Dana Model 60 axle
Axle Description.....	Automotive type differential axles



PRECISION AND
PERFORMANCE



STANDARD EQUIPMENT

- 12 x 16.5 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
- 2- 400 amp 12V batteries
- Horn
- Antifreeze to -40° F (-40° C)
- Auxiliary hydraulic kit
- Engine Display Includes:
Engine Speed, Hydraulic Oil Temperature,
Engine Hours, Coolant Temp, Battery Voltage
- 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 mast sizes are available
- 7.50 x 16 solid tires and wheels
- Headlights

FORKLIFT ATTACHMENTS FOR MULTI-JOB USE

- Rail coupler
- Load retainers
- Rotating roll clamps
- Dumper / upender
- 2-or-1 pallet handler
- Hydraulic die handler
- Telescopic boom
- Model 700 sweeper
- Pipe clamp-down
- Side shifter
- Rotating fork clamps
- Drop bottom box dumper
- Rotary snow blower
- Hydraulic scoops
- Hydraulic plows

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.

WALDON
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SPECIFICATIONS

DIMENSIONS

48" x 48" Payload.....	131 in. (3312 mm)
Intersecting Aisles.....	95 in. (2413 mm)
Outside Turning Radius.....	113.9 in. (2893 mm)
Inside Turning Radius.....	54 in. (1371 mm)
Between Aisles	
48" fork, vehicle 90° to stacking bin.....	190 in. (4826 mm)

MAST SPECIFICATIONS

Mast	MFH	OAHL	FFH	Tilt	
				Fwd.	Bkd.
8 ft. 2 Rail	96 in. (2438)	76.5 in. (1943)	0 in.	14°	11°
12 ft. 2 Rail	144 in. (3657)	101 in. (2565)	0 in.	14°	11°
14 ft. 2 Rail	168 in. (4267)	115.5 in. (2934)	0 in.	14°	11°
15 ft. 3 Rail	180 in. (4572)	90.5 in. (2299)	59 in. (1498 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
8 ft. 2 Rail Mast & Tractor	0 - 8 ft.	4,000 lbs.	
	0 - 8 ft.		4,000 lbs.
12 ft. 2 Rail Mast & Tractor	0 - 12 ft.	4,000 lbs.	
	0 - 12 ft.		4,000 lbs.
14 ft. 2 Rail Mast & Tractor	0 - 12 ft.	4,000 lbs.	
	12 - 14 ft.	3,000 lbs.	
	0 - 14 ft.		4,000 lbs.
15 ft. 3 Rail Mast & Tractor	0 - 12 ft.	4,000 lbs.	
	12 - 13 ft.	3,000 lbs.	
	13 - 14.5 ft.	2,000 lbs.	
	14.5 - 15 ft.	1,500 lbs.	
	0 - 15 ft.		4,000 lbs.

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

FORKLIFT CAPACITIES

Note: Engine @ 2500 R.P.M.

	2 Rails 8 ft.	2 Rail 12 ft.	2 Rail 14 ft.	3 Rail 15 ft.
Raise (Empty, to full height)	6.0 sec.	10 sec.	11 sec.	10 sec.
Lower (Empty, from full height)	11 sec.	16 sec.	19 sec.	18 sec.
Tilt (Vertical to backward)	1.0 sec.	1.0 sec.	1.0 sec.	1.0 sec.
Tilt (Backward to Vertical)	1.6 sec.	1.6 sec.	1.6 sec.	1.6 sec.

