



Model 600C Loader

SPECIFICATIONS

Take a look at the most powerful compact wheel loader available, the **WALDON 8500C**. Built to perform in the harshest environments, withstand demanding multiple shifts, maneuver through rough terrain or tight aisles with ease, the 8500C combines maximum productivity and cost-efficient operation. See what sets this loader above the rest.

- Articulation/Oscillation
 - Superior maneuverability in tight quarters, over rough terrain
- 4 Wheel Hydrostatic Drive Train
 - Provides maximum traction in adverse conditions
- Automatic Load Sensing System
 - Improves engine efficiency; smoother, easier operation
- Heavy Duty Frame
 - Added durability, long life assurance
- Planetary Axles
 - Provides maximum wheel torque
- Sealed Wet Disc Brakes
 - Protection from harsh environmental conditions
- Brake Inching Pedal
 - Provides control of ground speed regardless of engine rpm
- Easy-Access Serviceability
 - All components easily accessible
- Cost-Efficient Operation
 - Properly matched components optimize fuel use
- Operator Comfort
 - Convenient placement of controls increases operator performance



TYPICAL 8500C APPLICATIONS

- General Construction
- Metal Products Refining
- Glass Manufacturing
- Nursery Products
- Forest Products
- Recycling
- Scrap Handling
- Concrete
- Paper Products
- Steel Pipe
- Carbon
- Meat & Poultry Products
- Aluminum
- Fertilizers



STANDARD EQUIPMENT

- 15 x 19.5 Pneumatic Tires 12-ply
- Power Assist Steering
- ROPS/FOPS Guard
- Adjustable Suspension Seat
- Headlights and Rear Working Lights
- 107 DBA Reverse Alarm
- 10 Micron Dual Hydraulic Filtration
- SAE J386 Seat Belt
- Hour Meter
- Two 400 amp 12V Batteries
- 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, Manual Set
- 2240 lb. (1016.8 kg) Counterweights
- Keyed Switch
- Industrial Yellow Enamel Paint
- Internal Oil Immersed Disc Brakes
- 4-Wheel Drive Hydrostatic Drivetrain
- Boom Assembly, Lift and Bucket Tilt Cylinders, Mounting Pins and Hoses
- 1.5 yd.³ Bucket
- 3rd Valve

OPTIONAL EQUIPMENT

- Pressurized and/or Air Conditioned Cab with Defroster and Wipers
- Cab Heater
- Windshield
- Hazardous Atmosphere Alternator
- 10 x 20 x 8.0 Solid Tire and Wheel Kit
- Uncoupler
- Attachments
- Ford LPG Engine
- Noise Level Reduction Package (85 dba)
- Water Glycol for Hydrostatic System
- 178 in. 12000 lb. Forklift Mast
- 4th Valve Section Add-on
- Optional Weight Package to Increase Loader Capacity to 5640 lb.
- Joystick Control

MATERIAL WEIGHTS

	Material	Density Range (Loose)	
		lbs./yd. ³	kg/m ³
Dense	Hematite, Iron Borings, Iron Ore, Lead Ore, Magnetite, Pyrite	4200 & Up	2492 & Up
	Basalt, Concrete, Copper Ore, Taconite, Wet Sand and Gravel	3100 - 4200	1839 - 2492
Common Range of Materials	Clay, Granite, Gypsum, Limestone, Sand & Gravel	2600 - 3100	1542 - 1839
	Asphalt, Caliche, Crushed Stone, Sandstone, Shale, Slag	2200 - 2600	1305 - 1542
Light	Cinders, Coal, Dry Clay, Garbage, Lime, Salt, Top Soil, Wet Peat	1000 - 2200	593 - 1305
	Aluminum Chips, Coke, Coke, Dry Peat, Snow, Wood Chips	Under 1000	Under 593

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.



Model 8500C Loader

- The most powerful compact wheel loader available
- Automatic load sensing system provides maximum wheel torque
- Tractor and most attachments are made by Waldon for a totally integrated tractor/attachment unit



NOT JUST ANOTHER LOADER

The heavy-duty, articulating, 4-wheel drive Waldon 8500C Unitractor has an SAE operating capacity of 4040 lbs. This unit was designed for heavy construction, mining, material handling applications with abusive environments. This loader is designed and manufactured in the U.S. by the original compact articulating loader manufacturer.



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

ATTACHMENTS

A Perfect Team... Waldon offers a full line of loader and lift truck attachments for your material handling needs. Manufactured with a commitment to quality, durability, and efficiency, the Waldon loader/attachment team is a winning combination. From construction to mining to agribusiness to recycling and more... there's a Waldon for your job!

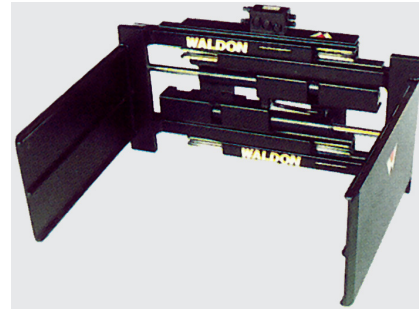


Buckets...

Light material, heavy material, foundry, mining, fertilizer, grapple, scrap grab

Clamps...

Bale, carton, drum, fork, roll, rotating, multi-purpose, dumper upender, side shifting

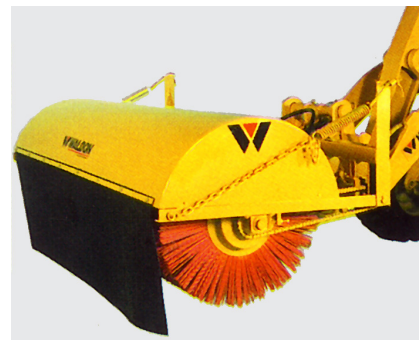


Drum Handlers...

Hydraulic, mechanical, rotating, side shifting, dumping

And More...

Sweeper, rotators, dozer blade, telescopic boom, pallet forks, box dumper



The Waldon Uncoupler System...

Allows the operator to change most attachments in seconds without leaving the operator's compartment. Designed for increased productivity and efficiency in multiple applications, the Waldon loader with Uncoupler offers versatility and performance Plus! Choose from a wide variety of attachments to complement your Uncoupler System.

It's as easy as 1 . . 2 . . 3 !



SPECIFICATIONS

ENGINE

Make & Model..... Cummins QSB4.5
 Displacement 274 cu. in. (4.5 liters)
 Number of Cylinders 4
 Type of Engine Turbocharged
 Fuel Diesel
 Cooling System Liquid
 Net Horsepower @ 2500 RPM 115 hp (85 kw)
 Gross Operating Weight to Horsepower Ratio 131 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
 2 Batteries - BCI group size 22 F
 Cold cranking, 810 AMPS. @ 0° F (-18° C)
 Governor Type..... Diesel injection pump control

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. (127 mm x 305 mm)
 Pump Description Gear type
 Steering, Boom, Bucket Pump Capacity ... 35 GPM (132.4 lit./min.) @ 2500 RPM
 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)
 Boom and bucket - 2500 PSI (17237 kPa)
 Steering - 2000 PSI (1378 kPa)

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

AXLES & HUBS

Type Front - differential, planetary outboard hubs, Sealed brakes
 Rear - differential, planetary outboard hubs
 Description..... Ring gear and pinion with planetary hub
 Static Load Rating 27,000 lbs.
 (Refer to performance data for operating capacity)
 Oscillation, Frame 22°

TRANSMISSION

Type Hydrostatic 4-wheel drive, low and high transfer case - forward & 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 speed
 ALS Control - similar to torque converter
 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)

STEERING

Type Articulation
 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 mm x 203.2 mm)

BRAKES

Type Internal sealed disc
 Description..... SERVICE - Sealed disc type in front differential, (hydraulically actuated)
 PARKING - Sealed disc type in front differential, (mechanically actuated)
 Dynamic Braking..... Hydrostatic drivetrain system

SERVICE CAPACITIES

Radiator 24 Quarts (22.71 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 (0.8 lit.)
 Transmission..... 18 Pints (8.5 lit.)

PERFORMANCE/DIMENSIONS

	Standard Bucket (60-100 lb./cu. ft. dense material)	Light Material (0-60 lb./cu. ft. dense material)	Heavy Material (100 + lb./cu. ft. dense material)
SAE Rating Heaped	1.5 yd. ³ (1.14 m ³)	1.75 yd. ³ (1.33 m ³)	1.00 yd. ³ (.76 m ³)
SAE Operating Capacity	4040 lbs. (1834 kg)	3750 lbs. (1703 kg)	4040 lbs. (1834 kg)
SAE Breakout Force	13800 lbs. (61410 N)	10500 lbs. (46725 N)	16500 lbs. (73425 N)
SAE Tipping Load, Straight	10700 lbs. (4858 kg)	10000 lbs. (4540 kg)	10700 lbs. (4858 kg)
Full Articulation	8250 lbs. (3746 kg)	7710 lbs. (3500 kg)	8250 lbs. (3746 kg)
A Height to Cutting Edge	163.5 in. (4152 mm)	172.2 in. (4374 mm)	158.9 in. (4036 mm)
B Height to Bucket Pin Center	132.0 in. (3352 mm)	132.0 in. (3352 mm)	132.0 in. (3352 mm)
C Dump Clearance @ Full Height	106.25 in. (2699 mm)	100.0 in. (2540 mm)	109.65 in. (2785 mm)
D Maximum Dump Angle	45°	45°	45°
E Bucket Reach @ Full Ht. 45° Dump	33.0 in. (838 mm)	39.25 in. (997 mm)	29.25 in. (743 mm)
F Bucket Pin Height @ Max. Reach	70.0 in. (1778 mm)	70.0 in. (1778 mm)	70.0 in. (1778 mm)
H SAE Bucket Carry Height	12.0 in. (304.8 mm)	12.0 in. (304.8 mm)	12.0 in. (304.8 mm)
L Overall Length, Bucket on Ground	179.8 in. (4566 mm)	188.5 in. (4788 mm)	175.1 in. (4447 mm)
M Overall Length @ SAE Carry Height	174.6 in. (4435 mm)	171.8 in. (4364 mm)	171.8 in. (4364 mm)
N Bucket Width	78 in. (1981 mm)	74 in. (1879 mm)	74 in. (1879 mm)
P Clearance Circle, Carry Position	151 in. (3835 mm)	152 in. (3861 mm)	148 in. (3760 mm)
R Intersecting Aisle	110 in. (2794 mm)	113 in. (2870 mm)	109 in. (2769 mm)
S Digging Depth	4 in.	4 in.	4 in.
Turning Radius (Outside Tire)	135.0 in. (3429 mm)	135 in. (3429 mm)	135 in. (3429 mm)
Ground Clearance	13.3 in. (338 mm)	13.3 in. (338 mm)	13.3 in. (338 mm)
Operating Weight	14400 lbs. (6538 kg)	14400 lbs. (6538 kg)	14400 lbs. (6538 kg)
Max. Gradeability, Low Gear	50%	50%	50%
Max. Drawbar Pull, Low Gear	12,000 lbs. (53400 N)	12000 lbs. (53400 N)	12000 lbs. (53400 N)

Note: This machine is designed to handle payloads up to 4040 lbs. (1834 kg) on a continuous basis and meets SAE J8188 with standard counterweighting. Greater payloads may occasionally be handled; continuous overloading beyond rated capacity will shorten the service life of the machine. Other bucket sizes are available to properly equip your machine for material being handled. Contact your Waldon distributor for details.

