



Model 6000C Loader

SPECIFICATIONS

WALDON builds quality and durability into every product we make. The 6000C Wheel Loader is no exception. Its compact, rugged structure combined with superb power and maneuverability establish the 6000C as a leader in its class.

- Articulation/Oscillation
 - Superior maneuverability in tight quarters, over rough terrain
- 4 Wheel Hydrostatic Drive Train
 - Provides maximum traction in adverse conditions
- Automotive Type Hydrostatic Control
 - 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
- Operator Comfort
 - Convenient placement of controls increases operator performance
- Easy-Access Serviceability
 - All components easily accessible
- Cost-Efficient Operation
 - Properly matched components optimize fuel use
- Compact Design
 - Operates in, under, and around areas other loaders cannot



TYPICAL 6000C APPLICATIONS

- Recycling
- Scrap Handling
- Fertilizer
- Lumber Mill
- Paper Mill
- Aluminum Processing
- Glass Plant
- Landscape Supply
- Agriculture
- Food Processing
- Mining
- Foundry
- And Dozens More

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
- 1196 lb. (542.5 kg) Counterweights
- Keyed Switch
- Industrial Yellow Enamel Paint
- Internal Wet Disc Brakes
- 4-Wheel Drive Hydrostatic Drivetrain
- Boom Assembly, Lift and Bucket Tilt Cylinders, Mounting Pins and Hoses
- 1.0 yd.³ Bucket
- Lockable Engine Compartment Doors

OPTIONAL EQUIPMENT

- Pressurized and/or Air Conditioned Cab with Defroster and Wipers
- Cab Heater
- Windshield
- Hazardous Atmosphere Alternator
- Solid Tires
- Unicoupler
- Attachments
- Deutz Diesel Engine
- 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

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 6000C Loader

- 4 Wheel hydrostatic drive train provides maximum traction in adverse conditions
- Automotive type hydrostatic control
- 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 6000C Unitractor has an SAE operating capacity of 2700 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.



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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 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

Lift Cylinders, Bore & Strokes.....	3 in. x 26 in. (76.22 mm x 660.4 mm)
Bucket 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 Capacity	26 GPM (98 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.....	7 micron spin-on
Relief Valve Setting	Drive train - 5100 PSI (35136 kPa) Boom and bucket - 2250 PSI (15511 kPa) Steering - 1500-2000 PSI

Hydraulic Cycle Time @ 2500 RPM, Standard Bucket:	
Raise.....	4.0 seconds
Bucket Dump	2.2 seconds
Bucket Rollback	1.3 seconds
Lower.....	4.3 seconds
Total Cycle	11.8 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.....	22,000 lbs. (Refer to performance data for operating capacity)
Oscillation, frame.....	22°

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 differential, (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.)
Transmission.....	6 Pints (2.7 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 yd. ³ (.76 m ³)	1.25 yd. ³ (.95 m ³)	.75 yd. ³ (.57 m ³)
SAE Operating Capacity	2700 lbs. (1226 kg)	2500 lbs. (1158 kg)	2700 lbs. (1226 kg)
SAE Breakout Force	10450 lbs. (46503 N)	8400 lbs. (37380 N)	12300 lbs. (54735 N)
SAE Tipping Load, Straight	6600 lbs. (2996 kg)	6200 lbs. (2815 kg)	6600 lbs. (2996 kg)
Full Articulation	5400 lbs. (2452 kg)	5100 lbs. (2315 kg)	5400 lbs. (2452 kg)
A Height to Cutting Edge	164.7 in. (4210 mm)	170.5 in. (4331 mm)	160.0 in. (4064 mm)
B Height to Bucket Pin Center	132.0 in. (3353 mm)	132.0 in. (3353 mm)	132.0 in. (3353 mm)
C Dump Clearance @ Full Height	107.0 in. (2718 mm)	102.0 in. (2591 mm)	110.0 in. (2794 mm)
D Maximum Dump Angle	44°	44°	44°
E Bucket Reach @ Full Ht. 45° Dump	22.0 in. (559 mm)	26.0 in. (660 mm)	19.0 in. (483 mm)
F Bucket Pin Height @ Max. Reach	61.5 in. (1562 mm)	61.5 in. (1562 mm)	61.5 in. (1562 mm)
H SAE Bucket Carry Height	9.0 in. (228.6 mm)	9.0 in. (228.6 mm)	9.0 in. (228.6 mm)
L Overall Length, Bucket on Ground	171.3 in. (4351 mm)	177.3 in. (4503 mm)	166.3 in. (4224 mm)
M Overall Length @ SAE Carry Height	170.3 in. (4325 mm)	171.5 in. (4356 mm)	166.8 in. (4237 mm)
N Bucket Width	65.9 in. (1673 mm)	65.9 in. (1673 mm)	65.9 in. (1673 mm)
P Clearance Circle, Carry Position	139 in. (3531 mm)	141 in. (3581 mm)	138.0 in. (3505 mm)
R Intersecting Aisle	100 in. (2540 mm)	102 in. (2591 mm)	99 in. (2515 mm)
S Digging Depth	2 in. (50.8 mm)	2 in. (50.8 mm)	2 in. (50.8 mm)
Turning Radius (Outside Tire)	126.5 in. (3213 mm)	126.5 in. (3213 mm)	126.5 in. (3213 mm)
Ground Clearance	12.0 in. (305 mm)	12.0 in. (305 mm)	12.0 in. (305 mm)
Operating Weight	9000 lbs. (4086 kg)	9045 lbs. (4106 kg)	9045 lbs. (4106 kg)
Max. Gradeability, Low Gear	50%	50%	50%
Max. Drawbar Pull, Low Gear	6300 lbs. (28035 N)	6300 lbs. (28035 N)	6300 lbs. (28035 N)

Note: This machine is designed to handle payloads up to 2700 lbs. (1226 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.

