



# Model 7000 Loader

## SPECIFICATIONS

WALDON has integrated our existing wheel loader designs with the latest technology available today to bring you the WALDON 7000. Enhanced operator comfort is attained by adding a fully adjustable suspension seat and increasing the dimensions of the operator's compartment. By utilizing an automatic three speed transmission, the 7000 allows the operator to shift from working to traveling speeds resulting in increased productivity.

- Extended Wheel Base
  - Added stability and smoother ride
- Hydrostatic Four Wheel Drive
  - Maximum traction in adverse conditions
- Sealed Wet Disc Brakes
  - Protection in harsh environments
- Automatic Load Sensing System
  - Improves engine efficiency
- Redesigned Operator Compartment
  - Improved visibility, operator comfort
- Extra Heavy Duty Frame
  - Durability and built-in counterbalance
- Articulation/Oscillation
  - Superior maneuverability
- Planetary Axles
  - Provide maximum wheel torque



### TYPICAL 7000 APPLICATIONS

- Commercial/Industrial Construction
- Heavy Construction
- Landscaping
- Sand and Gravel Operation
- Rock Quarry
- Concrete Contractor
- Recycling
- Agriculture
- Mining
- Masonry
- Glass Manufacturing
- Scrap Handling
- Food Processing

### STANDARD EQUIPMENT

- Three Speed Ranges
- Automatic Shift with Manual Override
- 1 in. Steel Fenders
- 1.25 yd.<sup>3</sup> Bucket
- Power Assist Steering
- ROPS/FOPS Guard
- 4-Wheel Drive Hydrostatic Drivetrain
- Fully Adjustable Suspension Seat with Arm/Head Rests
- Halogen Head and Rear Working Lights, Tail Lights
- Joystick Control
- 107 DBA Reverse Alarm
- 7 Micron Dual Hydraulic Filtration
- SAE J386 Retractable Seat Belt
- Hour Meter
- Single 850 amp Battery
- Horn, Single Note
- Headlights
- 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
- 1196 lb. (542.5 kg) Counterweights
- 14 x 17.5 Pneumatic Tires 10-ply
- Safety Platform
- Keyed Switch
- Industrial Yellow Enamel Paint
- Swing-out Locking Grill
- Swing-out Oil Cooler
- Internal Oil Immersed Disc Brakes
- Heavy-duty Boom Assembly
- Locking Engine, Battery, and Tool Compartment Doors

### OPTIONAL EQUIPMENT

- Pressurized and/or Air Conditioned Cab with Defroster and Wipers
- Cab Heater
- Windshield
- Hazardous Atmosphere Alternator
- Solid Tires
- Unicoupler
- Attachments
- John Deere Diesel Engine
- Drive Line Protection Kit
- Cold Start Aid Kit
- Fire Resistant Fuel Cap
- Water Glycol/Super Charged Hydrostatic System
- PTX Exhaust Purifier with Spark Arrester Muffler
- 4th Valve Section Add-on
- Optional Weight Package to Increase Loader Capacity
- Power Beyond Hydraulic Kit

### MATERIAL WEIGHTS

	Material	Density Range (Loose)	
		lbs./yd. <sup>3</sup>	kg/m <sup>3</sup>
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.



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# Model 7000 Loader

- Redesigned operator compartment with improved visibility and operator comfort
- Automatic three speed transmission for increased productivity
- 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 7000 Unitractor has an SAE operating capacity of 3510 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.

# 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!

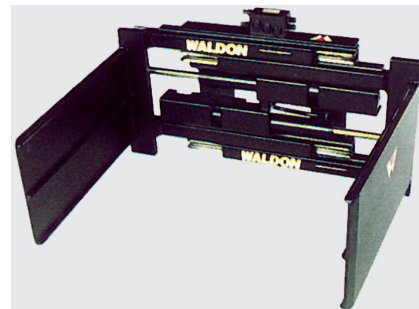


### Buckets...

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 Unicoupler 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 Unicoupler offers versatility and performance Plus! Choose from a wide variety of attachments to complement your Unicoupler 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, Naturally Aspirated  
 Fuel ..... Diesel  
 Cooling System ..... Liquid  
 SAE Net Horsepower @ 2500 RPM..... 85 hp (63 kw)  
 Gross Operating Weight to Horsepower Ratio ..... 129 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  
 One battery - 850CCA  
 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.....47 GPM (178 lit./min.)  
 Steering, Boom, Bucket Pump Capacity .....25 GPM (95 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 - 6000 PSI (408 bar)  
 Boom and bucket - 2500 PSI (170 bar)  
 Steering - 2000 PSI (136 bar)

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  
 Control ..... Foot control engine throttle  
 Hand control forward and reverse  
 Description..... Electrical override of hydrostatic motor shifting  
 Variable displacement with automatic engine  
 Speed sensing control piston type pump - 47 GPM @ 6000 PSI  
 2-Variable displacement piston type motors with  
 Automatic high pressure control for shifting  
 Travel Speeds @ 2500 RPM with 14 x 17.5 tires  
 Forward or Reverse .....0-18 MPH (0-30 Km/h)

## STEERING

Description..... Center pivot articulating with hydraulic power steering. Front and rear tires always track  
 Steering Angle (Left or Right) .....40°  
 Minimum Turning Radius, Inside.....75.5 in. (1920 mm)  
 Steering Cylinders, Bore & Stroke...3 in. x 8 in. (76.2 mm x 203 mm)

## BRAKES

Type ..... Internal sealed disc  
 Description..... SERVICE - Sealed 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.....6.3 Pints (3.0 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	1.25 yd. <sup>3</sup> (.95 m <sup>3</sup> )	1.5 yd. <sup>3</sup> (.95 m <sup>3</sup> )	1 yd. <sup>3</sup> (.57 m <sup>3</sup> )
SAE Operating Capacity	3375 lbs. (1530 kg)	3510 lbs. (1590 kg)	3410 lbs. (1550 kg)
SAE Breakout Force	9000 lbs. (40000 N)	9000 lbs. (40000 N)	10800 lbs. (48000 N)
SAE Tipping Load, Full Articulation	6750 lbs. (3070 kg)	7010 lbs. (3190 kg)	6820 lbs. (3100 kg)
A Height to Cutting Edge	163 in. (4140 mm)	163.0 in. (4140 mm)	158.0 in. (4010 mm)
B Height to Bucket Pin Center	133 in. (3380 mm)	133.0 in. (3380 mm)	133.0 in. (3380 mm)
C Dump Clearance @ Full Height	105 in. (2670 mm)	105.0 in. (2670 mm)	109.0 in. (2770 mm)
D Maximum Dump Angle	46°	46°	46°
E Bucket Reach @ Full Ht. 45° Dump	26.0 in. (660 mm)	26.0 in. (660 mm)	22.0 in. (560 mm)
F Bucket Pin Height @ Max. Reach	90.0 in. (2290 mm)	90.0 in. (2290 mm)	86.0 in. (2190 mm)
H SAE Bucket Carry Height	9.0 in. (230 mm)	9.0 in. (230 mm)	9.0 in. (230 mm)
L Overall Length, Bucket on Ground	196.0 in. (4975 mm)	196.0 in. (4975 mm)	190.0 in. (4825 mm)
M Overall Length @ SAE Carry Height	190.0 in. (4825 mm)	190.0 in. (4825 mm)	188.0 in. (4775 mm)
N Bucket Width	65.0 in. (1650 mm)	65.0 in. (1650 mm)	65.9 in. (1675 mm)
P Clearance Circle, Carry Position	153 in. (3890 mm)	153 in. (3890 mm)	152 in. (3860 mm)
R Intersecting Aisle	113 in. (2770 mm)	113 in. (2770 mm)	99 in. (2770 mm)
S Digging Depth	2 in. (51 mm)	2 in. (51 mm)	2 in. (51 mm)
Turning Radius (Outside Tire)	140.0 in. (3550 mm)	140.0 in. (3550 mm)	140.0 in. (3550 mm)
Ground Clearance	13.0 in. (330 mm)	13.0 in. (330 mm)	13.0 in. (330 mm)
Operating Weight	11000 lbs. (4990 kg)	11065 lbs. (5020 kg)	11045 lbs. (5010 kg)
Max. Gradeability, Low Gear	50%	50%	50%
Max. Drawbar Pull, Low Gear	7700 lbs. (34250 N)	7700 lbs. (34250 N)	7700 lbs. (34250 N)

Note: This machine is designed to handle payloads up to 3375 lbs. (1530 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.

