

LOADMASTER™

400 Series

Pure high compaction packing power. The LOADMASTER 400 Series Rear Loaders outpack every other rear loader on the market, bar none. And they do it more consistently and reliably.



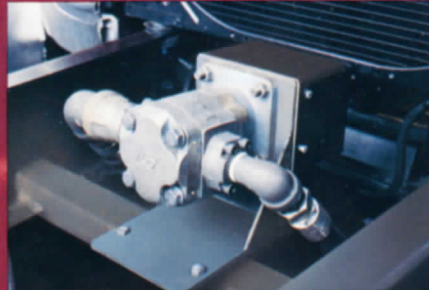
Larger bore LOADMASTER hydraulic cylinders do the same work with less pressure, less heat. Reduces strain on the system and lowers maintenance, repair requirements.

But the 400's do more than dish out the high compaction, they're designed and built to take it, too. With 11 gauge high tensile steel in the body and 1/4" high tensile steel in the tailgate. And a new



"Back-pack" valve automatically adjusts ejector blade to keep optimum pressure for more efficient, uniform loading.

bracing design on the 425 that reduces weight without sacrificing its legendary strength. Just demo a 400 Series Rear Loader for yourself and you'll be convinced: They're "The Ultimate Weapons."

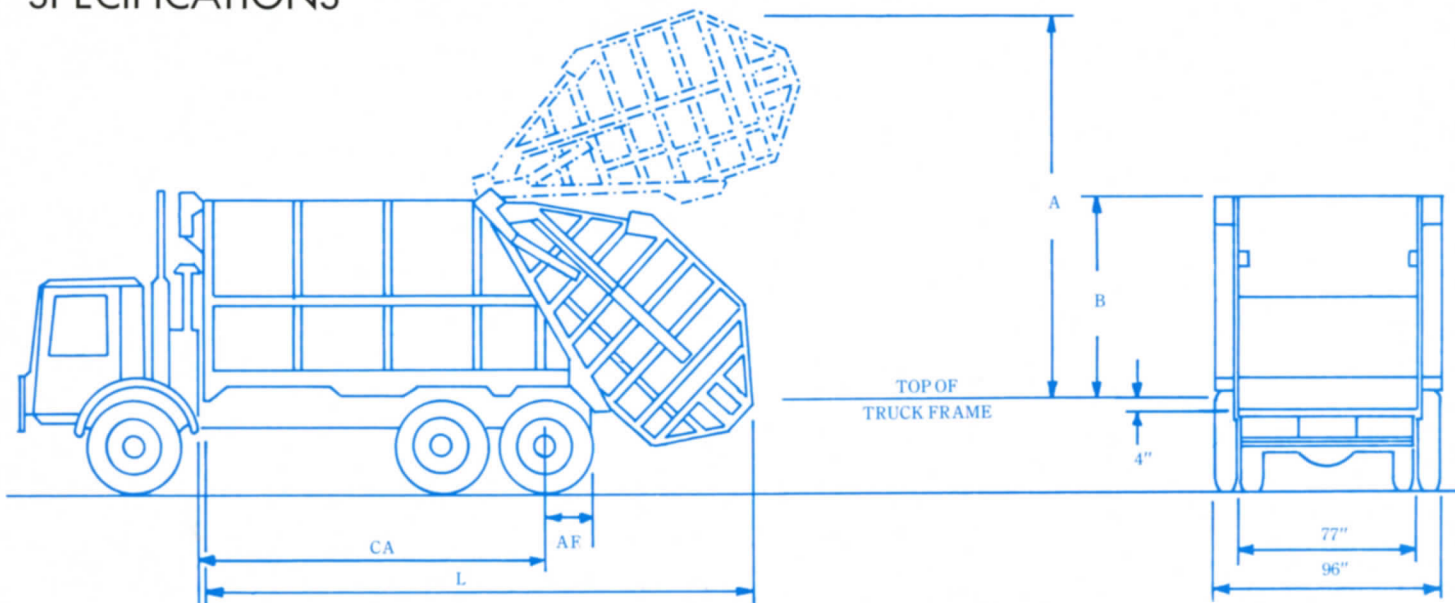


Another LOADMASTER option: Front pump system replaces the standard PTO. Eases maintenance, gives more positive bump engagement.



400 SERIES

SPECIFICATIONS



BODY CONSTRUCTION

Floor	10 gauge (3.416 mm)	50,000 PSI (3,515.33 Kg/cm ²)
Side Walls	11 gauge (3.038 mm)	50,000 PSI (3,515.33 Kg/cm ²)
Roof	11 gauge (3.038 mm)	50,000 PSI (3,515.33 Kg/cm ²)
Ejector Panel	11 gauge (3.038 mm)	50,000 PSI (3,515.33 Kg/cm ²)

BODY SPECIFICATIONS

Model	LM-425	LM-431
Capacity	25 yd ³ (19.1 m ³)	31 yd ³ (23.7 m ³)
A	193" (490.2 cm)	193" (490.2 cm)
B	102" (259.1 cm)	102" (259.1 cm)
CA	170" (431.8 cm)*	204" (518.2 cm)*
AF	25" (63.5 cm)	25" (63.5 cm)
L	266" (675.6 cm)	300" (762.0 cm)
Approx Gr Weight	15,500 lbs (7,031 Kg)	16,600 lbs (7,530 Kg)

*CA dimension is to center of rearmost wheel.

TAILGATE CONSTRUCTION

Hopper Floor	¼" (6.35 mm)	100,000 PSI (7,030.66 Kg/cm ²)
Side Walls	7 gauge (4.55 mm)	50,000 PSI (3,515.33 Kg/cm ²)
Packing Plate	7 gauge (4.55 mm)	50,000 PSI (3,515.33 Kg/cm ²)

TAILGATE SPECIFICATIONS

Capacity (TBEA Rated)	2.8 yd ³ (2.14 m ³)
Loading Height	4" below top of chassis frame
Hopper Width	77" (195.6 cm)
Hopper Depth	15.5" (39.37 cm)
Hopper Opening Height	60" (152.4 cm)
Cycle Time	34-36 seconds
Reload Time	20-21 seconds

HYDRAULIC SYSTEM CYLINDERS

Packer Panel (2) (Inside)	7¼" (184 mm) bore × 16" (406.4 mm) stroke
Packing (2) (Outside)	5½" (140 mm) bore × 41" (1,041.4 mm) stroke
Ejection (1) (LM425)	6¼" (159 mm) bore × 126" (3,200.4 mm) stroke
Ejection (1) (LM431)	6¾" (171 mm) bore × 159" (4,114.8 mm) stroke
Tailgate Lift (2)	5½" (140 mm) bore × 22¾" (574.7 mm) stroke

CYLINDER FORCES

Ejection	56,758 LBS (3,990 Kgs)
T/G Lift	43,952 LBS (3,090 Kgs) ea. cyl.
Panel	68,115 LBS (2,549 Kgs) ea. cyl.
Packing	39,201 LBS (2,087 Kgs) ea. cyl.
1-2 Yd. Lift	26,244 LBS (1,845 Kgs)
2-10 Yd. Lift	43,952 LBS (3,090 Kgs)

HYDRAULIC SYSTEM SPECIFICATIONS

Pump	Gear, 47 GPM (178 liters/min) @ 1,500 RPM
Max. Operating Pressure	1,850 PSI (130.07 Kg/cm ²)
Oil Reservoir	65 Gal. (246 liters)
Filter	140 micron suction 10 micron return
Valves	Multiple balanced spool type, with adjustable cartridge relief

OPERATING CONTROLS

Packing	Single lever located on right rear of T/G
Tailgate Raise/Lower	Outside left front corner of body
Ejection	Outside left front corner of body
PTO	Located in cab, operated by driver
Warning Buzzer	One switch, each side @ rear of T/G, wired to buzzer in cab
Container System	Single lever located on right rear of T/G

OPTIONAL EQUIPMENT

Container Handling (1 to 10 cu. yd.)
Foot throttle lock-out
Reeving Container Attachment
Engine Kill Switches
Eighty Gallon Washout System
Air Brake Interlock
Hopper Night Light
Quick Disconnects on Each Side of Pump
Crankshaft drive front pump

FEATURES

1. Consistent high compaction up to 1,100 lbs/yd³
2. All cylinders have chrome-plated plunger rods for smoother operation, longer life.

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