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2R-III™

The Most Reliable Rear-Loader in the Industry.

Body Floor - 1/4" floor sheets along with 5/16" floor trough make this the thickest standard floor in the industry. The unique trough design forms a natural sump which holds up to 300 gallons of liquid.

Maximum Capacity. Super Productivity.

One of the largest hopper capacities in its class, leading to more efficient operation by reducing the number of cycles needed to sweep the hopper. The Packer/Carrier panel design allows workers to continue loading trash into the hopper while running the hopper sweep cycle. The Packer/Carrier will not push trash out of the hopper during the sweep cycle.

Enhanced Engineering. Maximized Performance.

The curved shell body design features single-piece side and roof sheets - no seams. Stronger, cleaner looking. The Packer/Carrier rides on rollers instead of slide blocks, reducing friction and wear.

Increased Compaction. Maximized payload.

Diamond Force Compaction design on the push out panel evenly distributes the trash during packing and minimizes voids in the payload. Compaction Rating - 1000+ lbs per cubic yard.

Versatile unit. Optimized TCO.

Interchangeable cylinders - Leach is the only rear loader to have interchangeable packer and carrier cylinders. Reduces the types of cylinders needed for inventory and maintenance.



2R-III™

STRUCTURAL INTEGRITY

Every high-performance body is the result of Forced Curved Technology – a seamless, one-piece body side and roof design similar to that used in the construction of an M1 Abrams tank. With 11-gauge, hi-tensile 80,000 psi steel, this uni-body construction provides greater strength while eliminating multi-piece welded seams that only invite corrosion over time. Packer panel and carrier plate are made of the heaviest weldments, assuring performance and durability in extreme conditions.

HYDRAULIC COMPONENTS

Critical components, superior solutions. On Leach units, the main control valve is mounted upright on the tailgate for easier, safer operation. Utilizing ORFS fittings, where the o-ring seals against a flat surface at each connection point, leaks are eliminated, reducing maintenance. All tubes are plated for resistance to corrosion, while hydraulic lines are strategically placed and protected along the roof edge away from the curbside. A virtual powerhouse, the entire system delivers up to 2,300 pounds of system pressure and cycle times as quick as 22 seconds.

HOPPER/SWEPT AREA DESIGN

Some packer panels may not match the hopper contour, or actually pre-compact trash against the hopper floor. Leach eliminates premature floor wear by producing a smooth, symmetrical sweep of the entire tailgate every time. This design, along with a larger hopper opening, produces the largest swept volume per packer cycle in the industry.



EJECTION PANEL

The panel is designed with a more efficient angle and construction, resulting in better compaction and easier ejection. The ejection cylinder anchor is raised off the floor to prevent damage and corrosion.

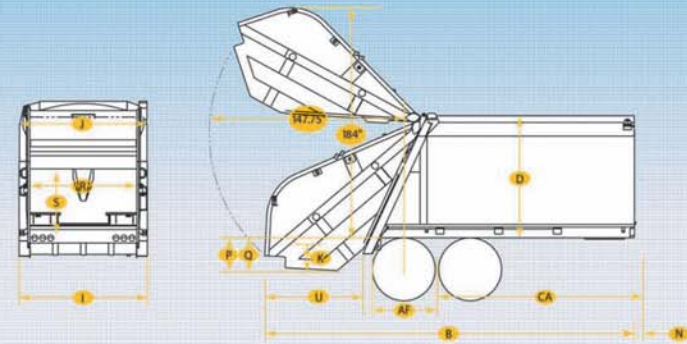


ROLLERS

Carrier panel rollers eliminate sliding friction, which results in increased durability, efficiency and performance, versus sliding block designs.

FLOOR TROUGH DESIGN

The Leach floor trough design has stood the test of time and remains a critical component of each rear-loader. A formed natural sump, the trough can hold over 300 gallons of liquid while serving as the structural backbone of the body.



Body Dimensions

	IMPERIAL 20 CU.YD	METRIC 15 CU.M	IMPERIAL 25 CU.YD	METRIC 19 CU.M	IMPERIAL 29 CU.YD	METRIC 22 CU.M	IMPERIAL 32 CU.YD	METRIC 24 CU.M
B Overall Length	262"	6,655 mm	284"	7,214 mm	317"	8,052 mm	340"	8,636 mm
CA Cab to Axle (note 2 & 3)	Contact Factory	Contact Factory	156"	3,962 mm	189"	4,801 mm	206"	5,232 mm
AF Alter Frame (note 3)	Contact Factory	Contact Factory	51"	1,295 mm	51"	1,295 mm	57"	1,448 mm
GWR Min. Requirement (note 1)	50,000 lbs	22,680 kg	56,000 lbs	25,401 kg	60,000 lbs	27,216 kg	62,000 lbs	28,123 kg

All Sizes

	IMPERIAL	METRIC
D Height Above Chassis Frame	93"	2,362 mm
I Body - Outside Width	96"	2,438 mm
J Body - Inside Width (Max)	90"	2,286 mm
K Hopper Depth	18"	457 mm
N Start of Clear CA to Body Front	2"	51 mm
P Top of Step Below Chassis Frame	22"-26"	559-660 mm
Q Hopper Bottom Below Chassis Frame	27"	686 mm
R Hopper Opening Width	80"	2,032 mm
S Hopper Opening Height	54"	1,422 mm
U Rear of Body to Rear of Tailgate, Closed	73"	1,854 mm
* Height Above Chassis Frame (Tailgate Raised)	184"	4,674 mm
* Loading Sill Below Chassis Frame	5"	127 mm
* Hopper Capacity	3.5 Cubic Yard	2.7 Cubic Meter

Features

- Adjustable steps and stationary grab handles on both sides of tailgate
- Lightweight, two-piece black poly top sheets (covers) provide quick easy access and improve serviceability of hydraulic components
- Optimum tailgate seal height reduces chance of seepage
- Buzzer system enables loaders to signal driver (located both sides at rear)
- Dual-lever packing controls at rear of hopper, curbside
- Single-lever tailgate lift control is located at the front of body, street side
- Industrial quality polyurethane paint
- White color standard, other colors available
- Meets all ANSI Z-245.1 Safety Standards

Notes

- Truck selected must be capable of carrying net weight of body plus weight of refuse to be collected.
- CA must be usable with no obstructions protruding above frame.
- Leach recommends mounting the 20 cubic yard 2R-III on a single axle/rear configuration for best weight distribution.

Hydraulics System

Maximum Operating Pressure 2,300 PSI

Cylinders

- (2) 5.5" double-acting packer plate cylinders
- (2) 5.5" double-acting carrier plate cylinders
- (2) 4" single-acting tailgate lift cylinders

* Packer and carrier plate cylinders are fully interchangeable, an exclusive with the 2R-III.

Ejection Cylinder

Body size	STAGES	SIZE
20	2	5 1/2" X 4 1/2"
25	3	6 1/2" X 5 1/2" X 4 1/2"
29	4	6 3/4" X 5 1/2" X 4 1/2" X 3 1/2"
32	5	6 3/4" X 5 1/2" X 4 1/2" X 3 1/2" X 2 1/2"

Hydraulic Tank

Capacity	50 gallons
Location	Right-hand front on floor inside body
Filters	141 micron in-line suction strainer with by-pass valve
	10 micron return line filter with by-pass valve
Signal Gauge	Located on tank at eye level

Pump

Gear type with pressure compensated wear plates

Capacity 42 GPM @ 1,200 RPM

Body Construction

Sides	11 gauge Hi-Tensile, 80,000 PSI steel
Top	11 gauge Hi-Tensile, 80,000 PSI steel
Upper Floor Sheets	1/4" 50,000 PSI steel
Floor-Trough	5/16" 50,000 PSI steel
Ejection Panel Face	3/16" 50,000 PSI steel

Tailgate Construction

Hopper sides	1/4" 50,000 PSI steel
Hopper bottom	1/4" 100,000 PSI steel
Carrier plate face	3/16" 50,000 PSI steel
Packer plate face	1/4" 80,000 PSI steel
Top sheets	Easily removed for maintenance

Optional Equipment

- Container Handling
- Lighting packages
- Demolition debris application packages
- Cart tipper
- Commercial application packages
- Many others available upon request