



# Alpha<sup>TM</sup> III



# Leach Alpha™ III Rear Loader

THE STRONGEST MID-RANGE REAR LOADER

Every single day, Leach™ rear loaders prove just how reliable they are. They're built tough to handle even the most challenging routes. Leach™ is all about taking pride in the top-notch quality and productivity of every unit.

Every available option, every meticulously refined design, and every feature incorporated by Leach™ share a common goal: optimizing fleet efficiency while keeping maintenance costs at a minimum. Each Leach™ rear loader is meticulously crafted to provide the best product on the market with the lowest total cost of ownership.

The Leach Alpha™ III stands out as the most formidable mid-range rear loader. Featuring a standard 3.0 yd³ hopper, with the load sill positioned 5" below the chassis frame, and a rapid packing cycle time, it's no surprise that the Leach Alpha™ III has earned its reputation as a favorite.

## Laying the foundations for a truly exceptional product.

### LEACH™ INNOVATIONS

With a strong emphasis on innovation, Leach's engineering team has crafted a comprehensive range of customizable options to cater to even the most stringent customer requirements. We are poised and eager to embrace emerging industry trends and fulfill evolving customer demands. This perpetual cycle of innovation positions Leach™ as the forefront leader in rear loader solutions across North America.

### WEIGHT DISTRIBUTION

Over years of innovation, Leach™ trucks prioritize ideal weight distribution in all models. Our ongoing objective is to achieve the perfect material balance, ensuring models collect more waste while maintaining the highest legal payload.



ENVIROLINK™ HAS LAID THE FOUNDATIONS FOR A BRAND-NEW ERA IN TRUCK INTELLIGENCE.

An improved electrical network and analog system, cameras, lights and monitors, safety interlocks, alerts, GPS tracking, and more are now packaged in a more precise, reliable, and efficient Smart Collection Package



|            | AUTOMATED | MANUAL | RESIDENTIAL | COMMERCIAL | DEMOLITION | ORGANICS | ALLEYS<br>TIGHT AREAS | RECYCLING | TIP TO<br>DUMP | FULL EJECT | SPLIT BODY | 50>82 DGE | 50>96 DGE | 50>100 DGE | 60>97 DGE | FRAME | ROOF | CAB | TAILGATE | EV |
|------------|-----------|--------|-------------|------------|------------|----------|-----------------------|-----------|----------------|------------|------------|-----------|-----------|------------|-----------|-------|------|-----|----------|----|
| Alpha™ III |           | ●      | ●           | ●          |            |          |                       | ●         |                | ●          |            |           |           |            |           |       |      |     |          | ●  |



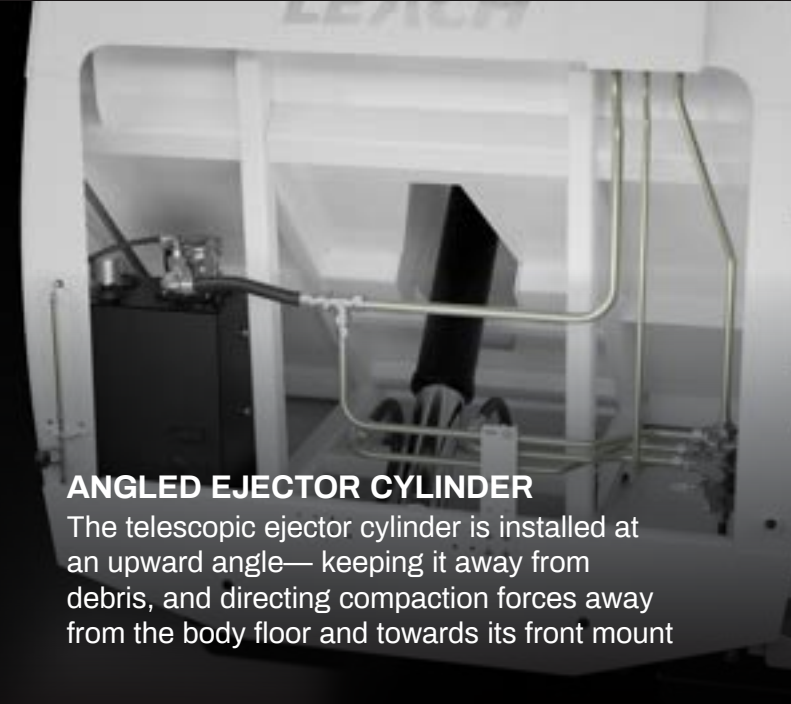
### DIAMOND FORCE COMPACTION

Our Diamond Force Compaction design evenly distributes trash, minimizing voids in the payload for a compaction rating of at least 900 lbs per cubic yard\*.



### CHROMIUM SLIDE SHOES

Slide shoes with Chromium carbide components operate in upper and lower rails, ensuring superior durability over AR450. Greaseable pins and accessible lubrication points facilitate easy maintenance for extended service life.



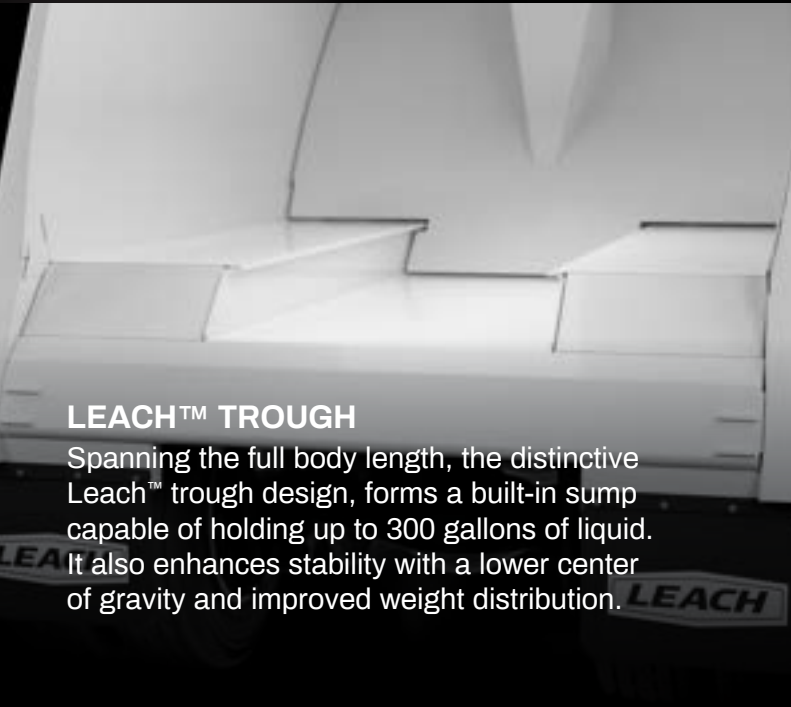
### ANGLED EJECTOR CYLINDER

The telescopic ejector cylinder is installed at an upward angle—keeping it away from debris, and directing compaction forces away from the body floor and towards its front mount



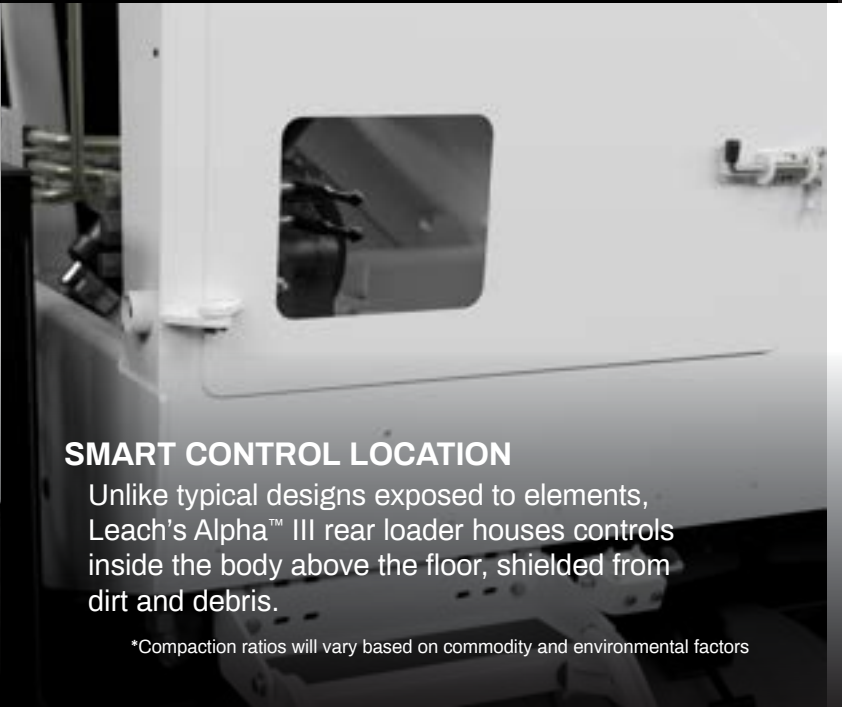
### THICKEST BODY FLOOR

At 5/16" in the center and 1/4" on each side, Leach™ units boast the thickest standard floor in the industry.



### LEACH™ TROUGH

Spanning the full body length, the distinctive Leach™ trough design, forms a built-in sump capable of holding up to 300 gallons of liquid. It also enhances stability with a lower center of gravity and improved weight distribution.



### SMART CONTROL LOCATION

Unlike typical designs exposed to elements, Leach's Alpha™ III rear loader houses controls inside the body above the floor, shielded from dirt and debris.

\*Compaction ratios will vary based on commodity and environmental factors

Alpha™ III Specifications

| Body Specifications |  | Residential          | Light Commercial         |
|---------------------|--|----------------------|--------------------------|
| Body Trough Floor   |  | 5/16" 50W 50,000psi  | 5/16" 50W 50,000psi      |
| Body Sides          |  | 10ga A1011 80,000psi | 10ga A1011 80,000psi     |
| Body Roof           |  | 10ga A1011 80,000psi | 10ga A1011 80,000psi     |
| Body Ramp Liners    |  | -                    | 1/4" A715 GR80 80,000psi |

| Cylinder Specifications         | Residential                               | Light Commercial                          |
|---------------------------------|-------------------------------------------|-------------------------------------------|
| Ejector Cylinder (14yd³ bodies) | 1 stage 4-1/2" bore x 43" stroke          | 1 stage 4-1/2" bore x 43" stroke          |
| Ejector Cylinder (16yd³ bodies) | 2 stages 5-1/2" bore x 54-1/2" stroke     | 2 stages 5-1/2" bore x 54-1/2" stroke     |
| Ejector Cylinder (18yd³ bodies) | 2 stages 5-1/2" bore x 66-1/2" stroke     | 2 stages 5-1/2" bore x 66-1/2" stroke     |
| Ejector Cylinder (20yd³ bodies) | 2 stages 5-1/2" bore x 78-1/2" stroke     | 2 stages 5-1/2" bore x 78-1/2" stroke     |
| Ejector Cylinder (25yd³ bodies) | 3 stages 6-1/2" bore x 115-9/16" stroke   | 3 stages 6-1/2" bore x 115-9/16" stroke   |
| Ejector Cylinder (29yd³ bodies) | 4 stages 6-1/2" bore x 147-7/8" stroke    | 4 stages 6-1/2" bore x 147-7/8" stroke    |
| Ejector Cylinder (32yd³ bodies) | 5 stages 7-1/2" bore x 170-5/16" stroke   | 5 stages 7-1/2" bore x 170-5/16" stroke   |
| Packer Cylinders                | 4-1/2" bore x 2-1/2" rod x 32-1/2" stroke | 4-1/2" bore x 2-1/2" rod x 32-1/2" stroke |
| Carrier Cylinders               | 5-1/2" bore x 2-1/2" rod x 37" stroke     | 5-1/2" bore x 2-1/2" rod x 37" stroke     |
| Tailgate Cylinders              | 4" bore x 3-1/2" rod x 32-11/16" stroke   | 4" bore x 3-1/2" rod x 32-11/16" stroke   |

| Performance Specifications                | Residential      | Light Commercial |
|-------------------------------------------|------------------|------------------|
| Packer/Carrier Cycle Time (with regen)    | 22-24 sec        | 22-24 sec        |
| Packer/Carrier Cycle Time (without regen) | 26-28 sec        | 26-28 sec        |
| Tailgate Open                             | 10 sec @ 700 rpm | 10 sec @ 700 rpm |
| Tailgate Close (with Safety Flow limiter) | 30 sec @ 700 rpm | 30 sec @ 700 rpm |

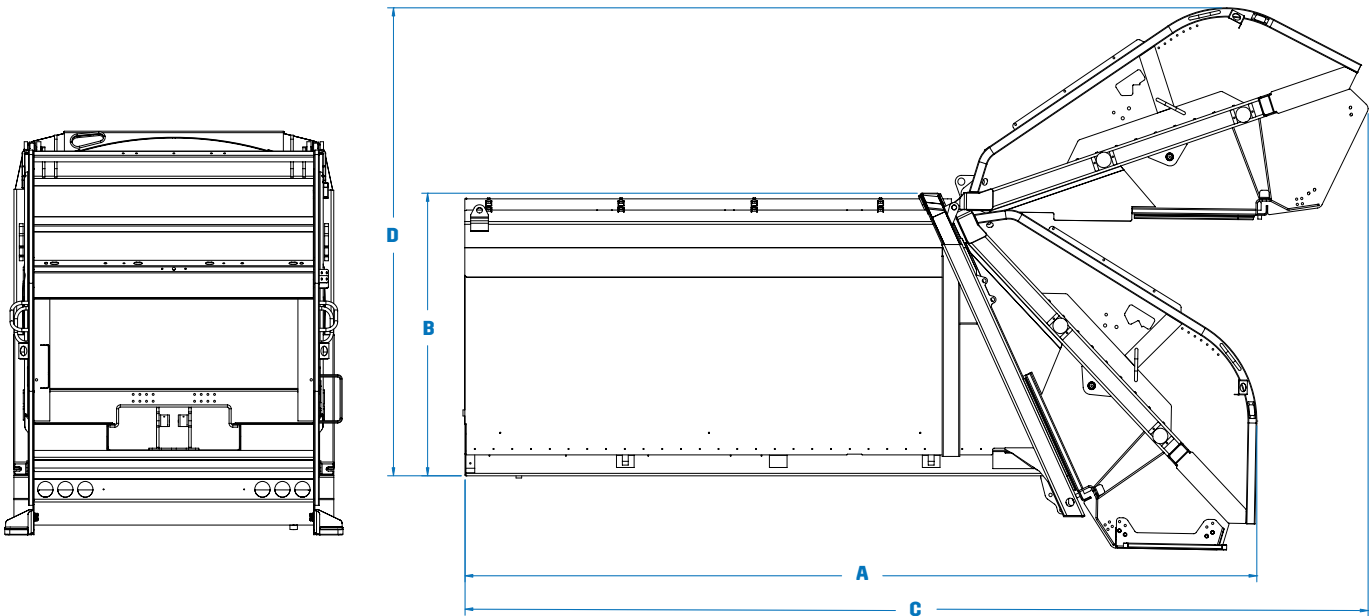
| Body Dimensions                                      | 14yd³ | 16yd³ | 18yd³ | 20yd³ | 25yd³ | 29yd³ | 32yd³ |
|------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| A. Overall Length, Tailgate Closed (in.)             | 192   | 205   | 218   | 230   | 269   | 302   | 325   |
| Overall Width (in.)                                  | 102   | 102   | 102   | 102   | 102   | 102   | 102   |
| B. Overall Height Above Frame, Tailgate Closed (in.) | 93    | 93    | 93    | 93    | 93    | 93    | 93    |
| C. Overall Length, Tailgate Open (in.)               | 230   | 243   | 255   | 268   | 307   | 340   | 363   |
| D. Overall Height Above Frame, Tailgate Open (in.)   | 154   | 154   | 154   | 154   | 154   | 154   | 154   |

| Hopper Specifications            | Residential                                          | Light Commercial                                    |
|----------------------------------|------------------------------------------------------|-----------------------------------------------------|
| Hopper Size (yd³)                | 3.0                                                  | 3.0                                                 |
| Hopper Opening Width             | 84"                                                  | 84"                                                 |
| Hopper Opening Height            | 61-1/4"                                              | 61-1/4"                                             |
| Hopper Depth                     | 16"                                                  | 16"                                                 |
| Loading Sill Below Chassis Frame | 5"                                                   | 5"                                                  |
| Hopper Floor                     | 3/16" 100QT 100,000psi (AR450, 175,000 psi optional) | 1/4" 100QT 100,000psi (AR450, 175,000 psi optional) |
| Hopper Sides (upper)             | 3/16" 50W 50,000psi (AR450, 175,000 psi optional)    | 3/16" 50W 50,000psi (AR450, 175,000 psi optional)   |
| Hopper Sides (lower)             | 3/16" 50W 50,000psi (AR450, 175,000 psi optional)    | 1/4" 50W 50,000psi (AR450, 175,000 psi optional)    |

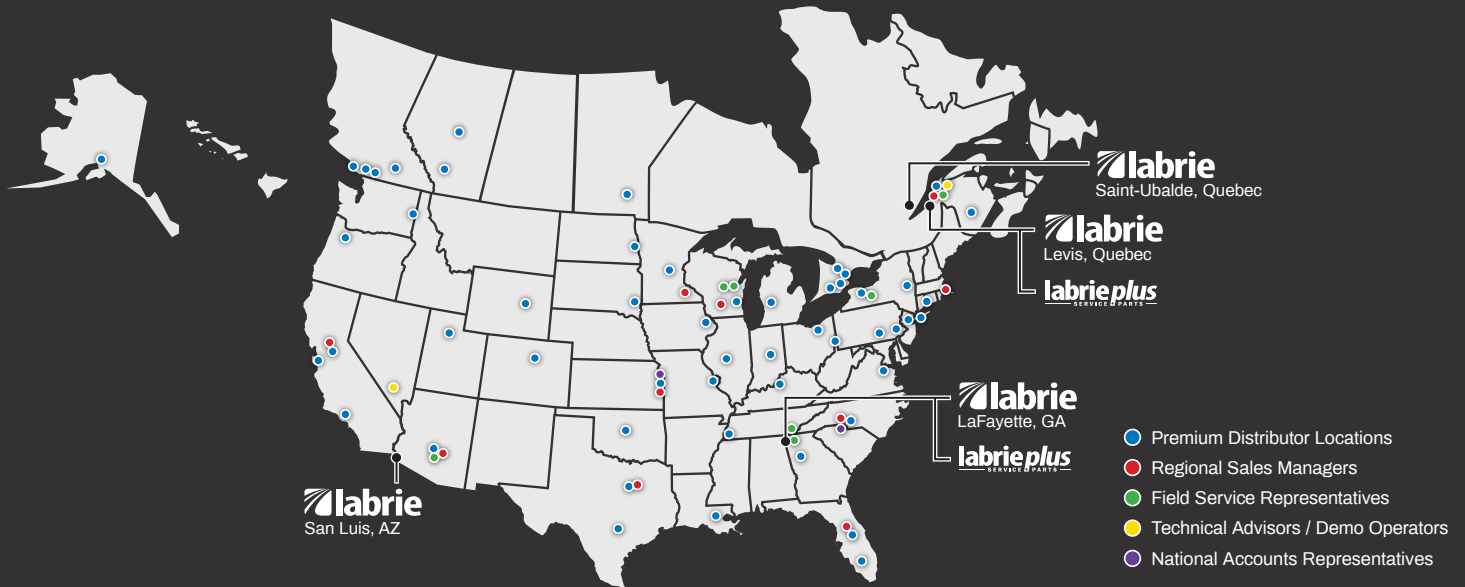
| Ejector Specifications   | Residential         | Light Commercial    |
|--------------------------|---------------------|---------------------|
| Ejector Panel Face Plate | 3/16" 50W 50,000psi | 3/16" 50W 50,000psi |

| Hydraulic Specs         | Residential       | Light Commercial  |
|-------------------------|-------------------|-------------------|
| Pump                    | Vane              | Vane              |
| Pump Capacity           | 42 gpm @ 1200 rpm | 42 gpm @ 1200 rpm |
| Max. Operating Pressure | 2,150 psi         | 2,150 psi         |
| Oil Reservoir           | 50 gal            | 50 gal            |

| Packer-Carrier Specs        | Residential         | Light Commercial    |
|-----------------------------|---------------------|---------------------|
| Compaction ratio (lbs/yd³ ) | 900                 | 900                 |
| Packer Panel Face Plate     | 3/16" 50W 50,000psi | 3/16" 50W 50,000psi |
| Carrier Panel Face Plate    | 7ga 50W 50,000psi   | 7ga 50W 50,000psi   |



Note: Specifications subject to change without notice



## Our North American network is dedicated to quality.

Leach™ trucks are supported by over 30 top-tier distributors spanning across 50+ sites in the US and Canada, guaranteeing a commitment to driving excellence and providing expert support.



Opt for the Leach™ Pronto Stock Program when a pre-built model makes sense. Benefit from expedited delivery, cost savings, and a wide selection of models designed to cater to even the most demanding collection needs.



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