LEACH MILLENNIUM™ FRONT LOADER

The Next Generation of Front Loader

- **Full Air Logic Control Panel**
- **Ergonomic Operating Design**
- **Strong, Single-Piece Floor**
- **Strain-Gauge Body Design**
- **Low Maintenance, High Performance**

LEACH®

Why Wait for the Year 2000?

Experience the future of front loader performance now – the new Millennium™ from Leach

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The new Millennium front loader is not revolutionary – it's decidedly evolutionary. It represents a combination of enhanced front loader features with proven performance design. Collectively, these changes have created the next generation of front loaders worthy of the Leach name. Take a close look and you'll see why.

You'll see larger, more powerful hydraulics that increase reliability, cycle times and productivity. Redesigned cab controls also add to operator comfort and efficiency.

Engineered using Finite Element Analysis (FEA) and tested with microstrain gauging, the Millennium brings together superior strength and uncompromising durability. Its rugged body structure features enhanced track channels, stronger roof sheets and heavy-duty tailgate hinges. Inside you'll find a hefty floor trough formed from single-piece, 5/16", 80,000 PSI steel. Overhead, don't overlook the 1/2" sheer bar plating and full-body cab brush guard.

Good things really do come to those who wait – but why wait? The Millennium is ready for you to experience today.

A Unique Combination of Controls and Communication Panels Assists the Operator –

Creating a more efficient environment for operators of all skill levels.

Lighted Service Panel Communicates Operating Status at a Glance

This dash-mounted panel clearly indicates the operating status of various components, including pump, packer panel, arms, top door, side door, and tailgate. Test feature ensures all system indicators are operational. This information helps optimize operator efficiency and safety.

New "Air Logic" Control Design

- total pneumatic design
- simplified trouble-shooting
- color-coded air lines
- quick-disconnect connectors

The Millennium™ places operator controls within easy sight and reach. A padded armrest helps eliminate operator fatigue and ensures a steady grip on the hand control. Joystick hand control provides proportional response between control movement and fork/arm speed.

Auto-Pack Control Resets Automatically

Just hit "green" for go. The control automatically repositions the packer panel after packing. Optional automated lockouts prevent possible operator errors.

Automated Lockouts Prevent Operator Errors

- cannot dump behind packer
- cannot dump with hopper door closed
- cannot pack with container in hopper

This Body has *Serious Stren*

The entire body has been engineered and computer analyzed using Finite Element Analysis (FEA) and confirmed with microstrain gauge testing. That means every inch of steel and structural support has been scrutinized for performance.

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Unit shown is equipped with various options.

Twin Packing Cylinders. Double-acting, telescoping 3-stage cylinders provide half-pack and full-eject functions. Pack-eject cylinders are positioned off floor and out of corrosive material.

Your Choices fo	
Hopper	lower
	upper
Packer	center/upper sheet
	lower sheet
Body	upper
	lower
Rear Door	side sheets
	rear sheets

ngth!

. Whopper of a Hopper.
his 10 cu. yd. hopper gobbles up the big loads. he lower wall in the hopper is constructed with 9" 50,000 PSI steel. Upper hopper walls are ade of 10 gauge, 50,000 PSI steel.

This Packer Performs Perfectly!
Start with a specially reinforced abrasion-resistant packer panel made of 10 ga. steel on top and center sheets with 5/16" 80,000 PSI steel below. Top wedges located to reduce material spill over. Add wider wear shoes for increased bearing area and shoe life. Then increase the thickness of the track channel where the shoes ride. Include rugged, edge-to-edge bypass shoes on the sides and bottom to minimize waste blow-by. Now you've got a packer that packs!

The Strength of a Single-Piece Floor Trough.
Leach uses 5/16" 80,000 PSI steel to create this exclusive single-piece floor trough design. The trough has the strength to be the backbone of the entire body — eliminating unnecessary channeling and improving body integrity. The trough acts as a natural sump to capture liquids.

Reinforced Under-Carriage.
Track channel reinforcement improves structural integrity to packing stress areas (i.e. hopper and body area directly behind hopper where compaction forces are greatest).

or Heavy-Duty Options

	Standard	Heavy-Duty
	3/16" 50,000 PSI	3/16" 80,000 PSI
	10 ga. 50,000 PSI	3/16" 50,000 PSI
	10 ga. AR200	1/4" AR200
	5/16" 80,000 PSI	5/16" 80,000 PSI
	10 ga. 50,000 PSI	3/16" 50,000 PSI
	3/16" 50,000 PSI	3/16" 50,000 PSI
	10 ga. 50,000 PSI	3/16" 50,000 PSI
	10 ga. 50,000 PSI	3/16" 50,000 PSI

LEACH®

Picking Up Where Others Leave Off

The Power of These Arms and Forks is Awesome!

An 8,000 lb. lift capacity handles the largest loads!

Right up front, it's easy to see the Millennium™ is built for action. Powerful hydraulic cylinders and heavy-duty steel construction give this unit the strength to handle the toughest loads. Strain-gauge tested arm design and tubular tie-bars provide rigidity and structural integrity.

You'll be Uplifted by the Millennium's Strength and Dependability

- 2" dia. fork cylinder rods with 3 1/2" bore
- 2 1/2" dia. lift cylinder rods with 4 1/2" bore
- chrome-plated, induction-hardened cylinder rods standard (fork and lift cylinders)
- square tubular tie-bar between forks
- arm made of high strength steel
- forks made of high strength steel

Fork Options

- 1 1/2" thick steel forks (heavy duty option)
- residential forks with lower profile
- triangle mount for special containers
- forks adjustable to container widths (pneumatic or hydraulic positioners)

Outboard Bearings Simplify Service

The Millennium™ lift arms are bolted on to a 4 1/2" O.D. steel tube made of 1/2" 50,000 PSI steel. The tube is held securely by two large sleeve bearings – each providing nearly 100 square inches of bearing surface. The sleeve bearings are located at the outer ends of the tube providing ease of lubrication and service.

A Better Hydraulic Design

The Millennium's hydraulic system is designed to improve reliability and simplify maintenance procedures.

- hydraulic hoses covered with protective sleeves
- all fittings located inside the body for better accessibility
- pack/eject cylinders are positioned off floor and out of corrosive material
- flat-face O-ring pressure connections for better reliability

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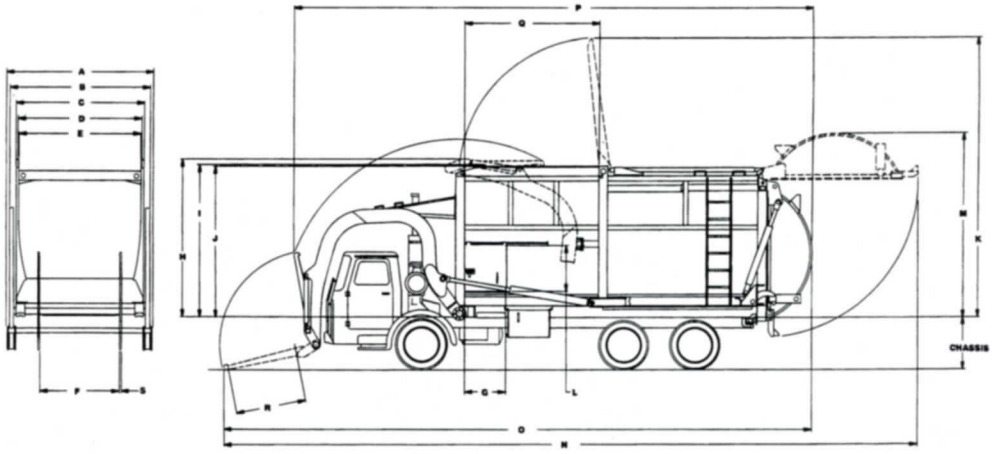

A = (1) 96" (2,439 mm) overall width available.
B = (2) 93.58" (2,375 mm) lift arm width available.
H = (3) 118" (2,997 mm) provided for residential specified units.
R = (4) 43.50" (1,104 mm) provided for residential specified units.

BODY DIMENSIONS	23 cu. yd. Body		27 cu. yd. Body		30 cu. yd. Body	
A Width Overall (1)	100"	2,450 mm	100"	2,450 mm	100"	2,450 mm
B Width Over Lift Arms (2)	97.28"	2,471 mm	97.28"	2,471 mm	97.28"	2,471 mm
C Width Over Body	86.50"	2,197 mm	86.50"	2,197 mm	86.50"	2,197 mm
D Width Inside Windscreens	82.12"	2,085 mm	82.12"	2,085 mm	82.12"	2,085 mm
E Width Inside Hopper Openings*	82"	2,082 mm	82"	2,082 mm	82"	2,082 mm
F Width Inside Forks	74.5"	1,892 mm	74.5"	1,892 mm	74.5"	1,892 mm
G Width Side Door Opening	29"	736 mm	29"	736 mm	29"	736 mm
H Height Chassis to Fork in Dump Position (3)	124"	3,150 mm	124"	3,150 mm	125"	3,150 mm
I Height Above Chassis with Sliding Top Door	112"	2,845 mm	112"	2,845 mm	112"	2,845 mm
J Height Above Chassis with Hinged Top Door	112"	2,845 mm	112"	2,845 mm	112"	2,845 mm
K Height Above Chassis with Hinged Top Door Open	202"	5,130 mm	202"	5,130 mm	202"	5,130 mm
L Height Side Door Opening	33.50"	851 mm	33.50"	851 mm	33.50"	851 mm
M Height Above Chassis with Rear Door Open	135"	3,429 mm	135"	3,429 mm	151.50"	3,848 mm
N Length Rear Door Open and Forks Down	503.88"	12,798 mm	524.88"	13,331 mm	524.88"	13,331 mm
O Length Rear Door Closed and Forks Down	426"	10,820 mm	447"	11,353 mm	463.50"	11,772 mm
P Length Rear Door Closed and Forks Up	374.50"	9,512 mm	395.50"	10,045 mm	412"	10,464 mm
Q Length of Hopper Opening*	88"	2,235 mm	101"	2,565 mm	101"	2,565 mm
R Usable Fork Length (4)	56"	1,422 mm	56"	1,422 mm	56"	1,422 mm
S Fork Thickness	1.25"	32 mm	1.25"	32 mm	1.25"	32 mm

* Hopper capacity 10 CU. YD.

Note: Truck selected must be capable of carrying net weight of body plus weight of refuse to be collected.

BODY CONSTRUCTION

Sides		
10 gauge upper		50,000 PSI
3/16" curved lower		50,000 PSI
Roof Front	10 gauge	50,000 PSI
Roof Rear	3/16"	80,000 PSI
Body Floor	1/4"	AR 200
Floor Trough	5/16"	80,000 PSI
Hopper Sides		
10 gauge upper		50,000 PSI
3/16" curved lower		80,000 PSI

REAR DOOR (CONSTRUCTION)

11 gauge 80,000 PSI
Raised and Lowered Hydraulically
Latched and Unlatched Hydraulically
Cylinders (2) 3" dia. x 28 5/8" Stroke

PACKING AND EJECTION CYLINDER

Scissor-Action Packing/Ejection Cylinders
Double-Acting Telescopic, 3 Stage
(2) 6 1/4" x 5 1/4" x 4 1/4"

PACKING AND EJECTION PANEL

Upper & Center Plate	10 gauge	AR200
Lower Plate	5/16"	80,000 PSI
(4) 1" x 3" x 24" Polyethylene Shoes		Upper
(4) 1 1/2" x 6" x 24" Polyethylene Shoes		Lower

HYDRAULIC SYSTEM

Pump 50 GPM at 1,500 RPM
Maximum System Pressure 3,000 PSI
Hydraulic Tank Capacity 45 gallons
8 Micron In-Line Filter
141 Micron Suction Line Strainer

LIFT ARM AND FORK MECHANISM (ALL SIZES)

8,000 lb. Rated Lift Arm Capacity

Top and Bottom Bars	50,000 PSI
Side Plates	80,000 PSI

Full Welded Steel Box Construction
Torque Tube 4 1/2" OD x 3 1/2" ID
(2) Split Bearing 4 1/2" x 6 1/2" Bronze
(2) Lift Cylinders 4 1/2" dia. x 42" stroke
(2) Fork Cylinders 3 1/2" dia. x 26 3/4" stroke

MINIMUM CHASSIS REQUIREMENTS

GVWR	60,000 / 62,000 / 64,000 lbs.
Front Axle	18,000 lbs.
Rear Axle	42,000 / 44,000 / 46,000 lbs.

Refer to Leach Company Truck Chassis Requirements Manual for additional chassis information. Chassis requirements may vary depending on application.

Due to our constant effort to offer the finest products available, we must reserve the right to change specifications without notice and without obligation to install them on units sold. Illustrations shown may include optional equipment and accessories, and may not include all standard equipment.

LEACH®

Leach Company
2737 Harrison Street
P.O. Box 2608
Oshkosh, WI 54903

Telephone (920) 231-2770
Fax (920) 231-2712
Web Site: www.LeachUSA.com

International Distribution:
EL Industries International, Inc.
P.O. Box 645 - Barrington, IL 60011 U.S.A.
Telephone: (847) 382-0004 · Fax: (847) 382-0053

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