
HEIL[®] FORMULA 5000[™]
HIGH-COMPACTION REAR LOADER



Putting you first keeps us first!

HEIL

The Heil 5000 is the ultimate in high compaction. Its streamlined, super strong body carries the biggest legal payloads of any rear loader in its class.

Less iron, more payload.

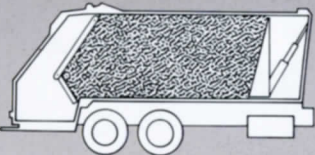
This is the most rugged body ever built. The strength rating far exceeds conventional units. We add extra strength while removing unneeded weight. In fact, the Heil 5000 body is considerably lighter than comparable units. But the body is stronger. Much stronger. That's because we use high-strength steels on the tailgate side, hopper floor, packing panels and other key body components.



During the first few cycles, the ejector panel remains extended keeping pressure on the material between the ejector and packing mechanism.



The hydraulic system "senses" when the maximum preset pressure is reached, allowing the ejector panel to move slightly forward while maintaining this force.



As the body fills, each cycle "works" the compacted material to higher densities. This results in consistent, high-density payloads.

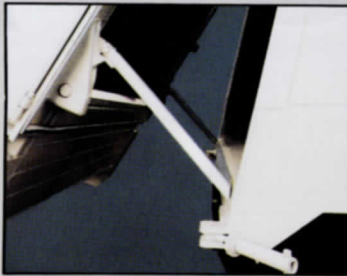
Superior weight distribution.

The Heil 5000 body with its forward position center of gravity transfers more weight to the front axle. This improves steering and handling stability. And with better weight distribution, you get bigger payloads.



The biggest legal pay

F E A T



Watertight tailgate seal.

Rubber gasket forms liquid-tight seal around bottom and sides of tailgate. Body props keep tailgate open for ease of maintenance.



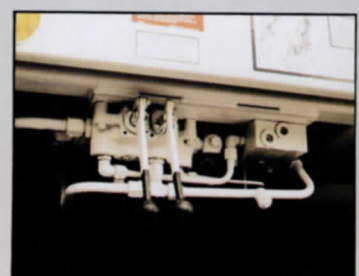
Manual packing controls.

Mechanical over hydraulic. Activated by two levers, right side of tailgate. Allows operator to stop, start or reverse either the upper panel or blade at any point of the cycle sequence. Normal packing cycle activated in two steps with one-hand operation.



Stronger floor.

Interlaced construction and high-tensile steel result in stronger floor.



Ejector/tailgate controls.

Controls conveniently located at the left front side of body. Provides operator a clear view while ejecting load. Left control raises tailgate; right control activates ejection panel.

COMPACTION REAR LOADER

Low maintenance operation.

Compaction cylinders are chrome-plated, induction-hardened and cushioned to minimize hydraulic spiking and leaks. And precision machining assures less pin and bushing wear for smooth, quiet operation and longer life.

High speed productivity.

Use the Heil 5000 to handle industrial refuse, commercial or container pickups on many mixed routes. The large hopper opening lets you load and compact bulky objects, such as white goods. Fast, simple-to-operate packing controls with a reload cycle of 9 to 11 seconds allows your crews to service the route more quickly.

Heil 5000. The ultimate for high compaction and high performance.



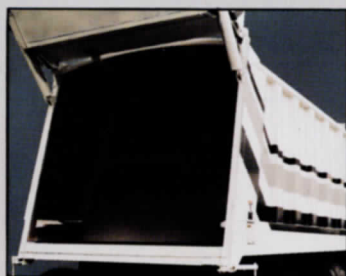
Loads in the industry.

U R E S



Full-welded body.

The body is full seam welded (not skip-welded) for superior strength, rust-free service and a cleaner appearance.



Ejector panel.

The ejector panel moves smoothly on four hardened alloy bronze shoes on high-tensile body wear tracks.

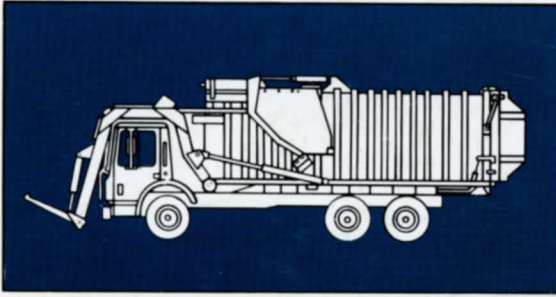


Open front head.

Provides easy access for maintenance behind ejector panel and to the ejector cylinder. Side access door optional.

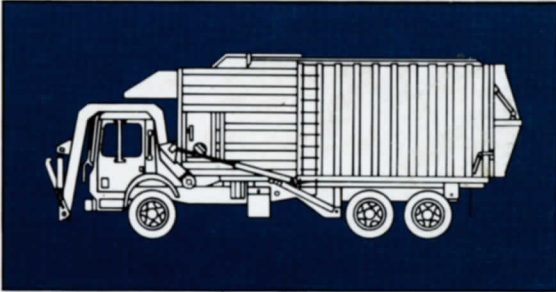
Options:

- Reeving cylinder
- 12,000-pound winch
- Roll bar mechanism
- Chain cable mechanism



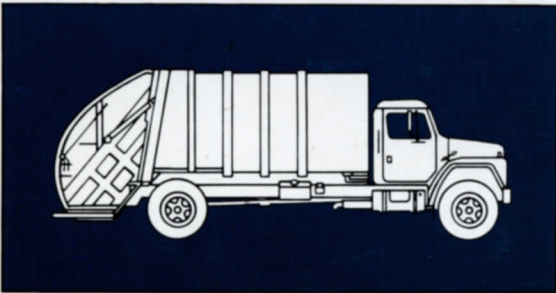
HEIL FULL PACK™ FRONT LOADER

Features that have become the industry's standard, plus much more. Four body sizes available: 28, 31, 34 and 36 yard bodies.



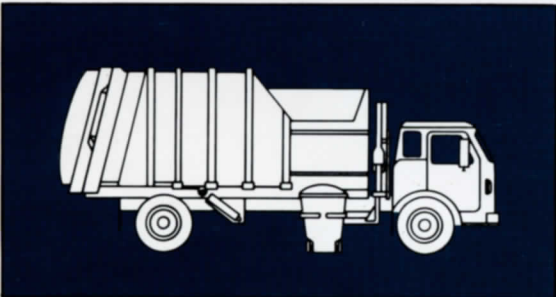
HEIL HALF PACK™ FRONT LOADER

Low maintenance, high productivity and proven performance. Body size: 40 cubic yards.



HEIL FORMULA 4000™

Best mid-range rear loader with proven performance and solid construction. Four body sizes: 16, 18, 20 and 25 yard bodies.



HEIL FORMULA 7000™ SIDE LOADER

All you need is an operator. Load and go in 8 seconds. Collects up to 1,100 homes per day. Body sizes available: 24 and 33 cubic yards. Optional bustle tailgate adds two cubic yards of bonus capacity.



P.O. Box 8676 • Chattanooga, TN 37411
Telephone (615) 899-9100

CONSTRUCTION SPECIFICATIONS

High tensile steel	Thickness	mm
Body sides	11 ga.	3.038
Body roof	10 ga.	3.416
Body floor	7 ga.	4.554
Body longitudinal	7 ga.	4.554
Floor support members	7 ga.	4.554
Hopper floor*	3/16 in.	4.763
Upper Panel*	3/16 in.	4.763
Hopper front face*	3/16 in.	7.938
Hopper sides*	3/16 in.	4.763
Packing blade*	3/16 in.	4.763
Ejector panel	11 ga.	3.038
*150,000 psi yield.		

HYDRAULIC SPECIFICATIONS

PUMP	
Type	High pressure gear.
Maximum operating pressure	2500 psi
GPM at Working RPM	26 GPM (98.4 liters/min)
OIL RESERVOIR	
Tank capacity	18, 20, & 25 yd. - 34 Gallons (128.7 liters) 32 yd. - 45 Gallons (170.3 liters)
Filters	100 mesh (140 micron) suction line replaceable 10 micron return line with by-pass.
VALVES	
Shut-off	Gate valve in suction line between pump and reservoir.
Packing control	Spool type.
Ejector and tailgate raise	Spool type.

CHASSIS REQUIREMENTS

MODEL	MINIMUM GVWR	MINIMUM GAWR		USABLE CA In. mm	USABLE CT In. mm	MINIMUM AF			
		Front	Rear			In.	mm		
5000 - 18	37,000	12,000	25,000	124	3150	N/A	N/A	32	813
5000 - 18	46,000	12,000	34,000	N/A	N/A	108	2743	51	1295
5000 - 20	46,000	12,000	34,000	N/A	N/A	126	3200	51	1295
5000 - 25	50,000	12,000	38,000	N/A	N/A	156	3962	51	1295
5000 - 32	55,000	12,000	43,000	N/A	N/A	197	5004	51	1295

OPERATING CONTROLS

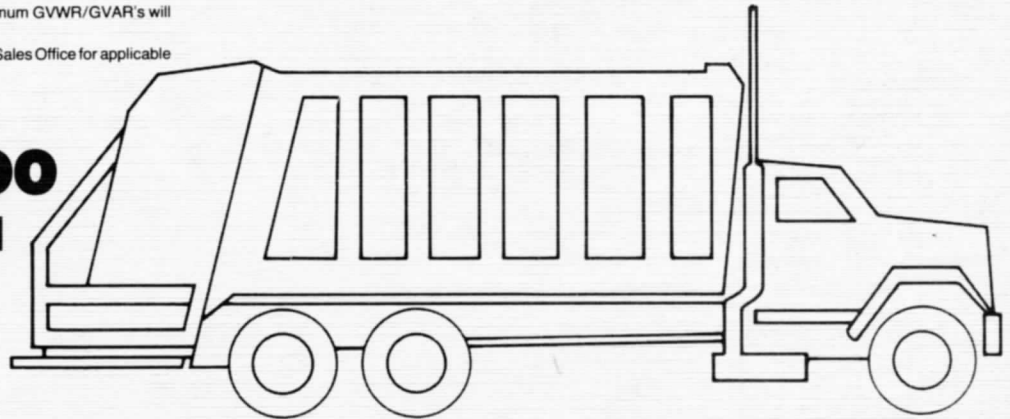
Packing	Right side of tailgate.
Tailgate raise	Forward left corner of body.
Ejector	Forward left corner of body.
P.T.O.	Inside cab.
Signal buzzer switches	Optional
Engine speed-up	Forward left corner of body.

NOTES:

- Any chassis sent to The Heil Co. with less than these minimum GVWR/GVWR's will not be mounted.
- If CA/CT is not as recommended, contact the Chattanooga Sales Office for applicable weight distribution and GVWR/GAWR requirements.
- Diesel engines require full variable speed governor.

FORMULA 5000

HIGH COMPACTION REAR LOADERS



BODY SPECIFICATIONS

MODEL	CAPACITY		OVERALL LENGTH		OVERALL LENGTH TAILGATE RAISED		OVERALL WIDTH		OVERALL HEIGHT ABOVE FRAME		OVERALL HEIGHT TAILGATE RAISED		GROSS WEIGHT APPROXIMATELY	
	Yd. ³	m ³	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	Lbs.	kg.
5000-18	18	13.76	232.5	5906	242.5	6159.5	96	2438.4	97.5	2476.5	207.5	5270.5	13,160	5969
5000-20	20	15.29	247.5	6287	257.5	6540.5	96	2438.4	97.5	2476.5	207.5	5270.5	13,520	6133
5000-25	25	19.11	280.5	7125	290.5	7378.7	96	2438.4	97.5	2476.5	207.5	5270.5	14,160	6423
5000-32	32	24.46	321.5	8166	331.5	8420.1	96	2438.4	97.5	2476.5	207.5	5270.5	15,400	6985

CYLINDERS

MODEL	TAILGATE RAISE (2)				PACKING BLADE (2) Double Acting				UPPER PANEL (2) Double Acting				EJECTION (1) Double Acting Telescope					
	BORE		STROKE		BORE		STROKE		BORE		STROKE		MODEL	STAGE	BORE		STROKE	
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm			In.	mm	In.	mm
ALL	4	101.6	26	914.4	5.5	139.7	24	609.6	5	127.0	36	914.4	5000-18	3	6	152.4	93	2362.2
													5000-20	3	6	152.4	107 5/8	2733.7
													5000-25	3	6	152.4	131 1/8	3343.3
													5000-32	4	7 1/2	190.5	171 1/8	4346.6

All designs, specifications and components are subject to change at the manufacturer's sole discretion at any time without notice. Data published herein is informational in nature and shall not be construed to warrant suitability of any unit for any particular purpose as performance may vary with the conditions encountered. The only warranty applicable is our standard written warranty for this product.

TAILGATE SPECIFICATIONS

HOPPER CAPACITY (TBEA Rated)		LOADING SILL HEIGHT		HOPPER LOADING WIDTH		HOPPER OPENING HEIGHT		CYCLE TIME Seconds	
Yd. ³	m ³	In.	mm	In.	mm	In.	mm	Complete	Reload
3.0	2.294	3.812	96.8	80	2032.0	55	1397.0	28-32	9-11
Below chassis frame.									



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