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HEIL FULL PACK™  
FRONT LOADER

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**All the features you expect  
and more.**



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*Putting you first keeps us first!*





**W**e've made major improvements in our front loader because of our ongoing response to customer suggestions and our continuing commitment to build the best front loader in the industry.

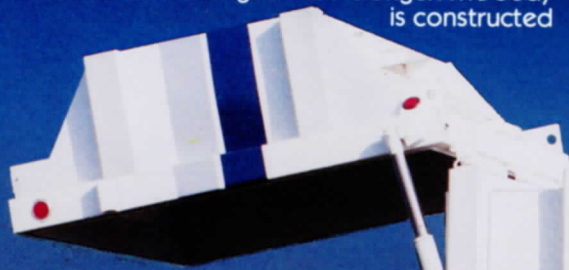
**Stronger body.**

The Heil Full Pack is stronger. A lot stronger. The body is constructed

of high strength steel with extra reinforcing in high stress sections that need it the most—body sides, roof, hopper floor and bustle tailgate. The result? A packer body designed to outlast and outpack the competition with solid quality Heil is famous for.

**Superior design.**

We use four (4) arm bearing blocks, not two. And our entire arm assembly is bolted in place with arm cylinders located outside the body for easier maintenance. Ejector rails have been



**Raised ejector rails.**  
 Rails are located 3 inches off the floor to assure smooth operation and to minimize shoe and floor wear.



**Feature for feature, the best**

F E A T



**Strong 8,000 lb. arms.**  
 Arms have a gross lifting capacity of 8,000 lbs. with four arm-bearing blocks. Cylinders are induction hardened, cushioned and chrome-plated for long life.



**Bonus payloads.**  
 The bustle tailgate is a standard feature—not an option. Curved surface rolls and compacts material high into body for maximum payloads.



**Hydraulic top door and side shields.**  
 Top door and side shields open automatically together as lift arms are raised. This reduces material blowing and spillage. Large hopper opening.



raised 3 inches off the floor to minimize shoe and floor wear. And body longitudines mount directly to chassis frame with spring tie downs. These and other changes will help cut your maintenance costs.

## Cushioned, chrome-plated cylinders.

All cylinder rods and sleeves are chrome-plated for extended life and rust protection. The cylinders on the hopper door and arm assembly are induction hardened and cushioned for quieter operation and longer cylinder life.

## More body payloads.

With the Heil Full Pack, you can pack it full. And keep on packing. That's because our curved bustle tailgate rolls, packs and forces material high up into the body until it is completely filled. The result is tight, high-profile compaction and bonus payloads on every trip to the landfill.



### Bolt on arm assembly.

Arm assembly is bolted directly to torque tube for easy replacement. No welding or burning is necessary.

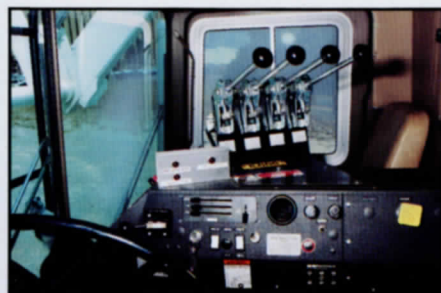
## est Full Pack in the industry.

U R E S



### Hydraulic oil tank.

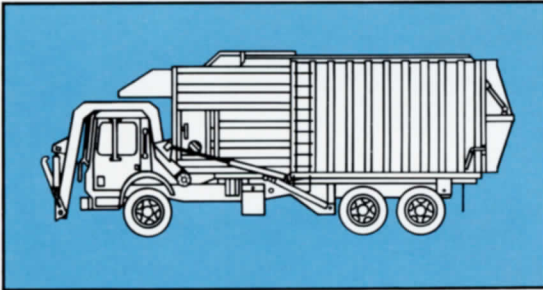
Large 74 gallon tank provides maximum hydraulic system cooling for longer component life. Sight gauge, return line 10 micron filter and shutoff valve are standard.



### In-cab hydraulic controls.

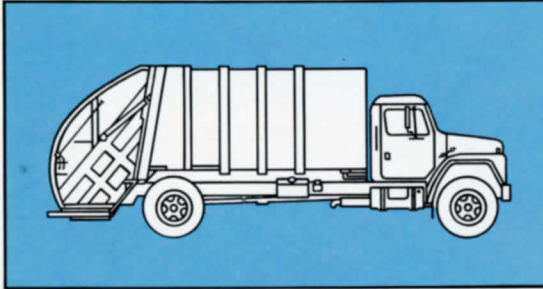
Arms, forks, ejection, packing, top door and tailgate functions are controlled by simple, easy to operate in-cab cable controls.

- Available in 28, 31, 34 and 36 cubic yard bodies.
- Access ladder to top of body.
- Front sump with 3" drain.
- Indicator light in cab when top door, lift arm and/or tailgate is open.
- Backup alarm.
- Meets all ANSI specifications.
- Mud flaps.



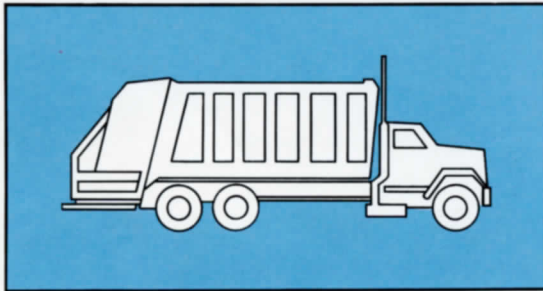
## **HEIL HALF/PACK FRONT LOADER**

Low maintenance, high productivity and proven performance.



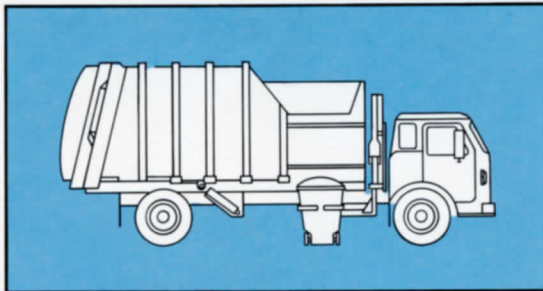
## **HEIL FORMULA 4000**

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



## **HEIL FORMULA 5000**

The industry's leading high compaction rear loader. Four body sizes available: 18, 20, 25 and 32 yard bodies.



## **HEIL 7000 SIDE LOADER**

All you need is an operator. Load and go in 8 seconds. Collects up to 1,100 homes per day. Two body sizes available: 24 and 33 cubic yards.



**THE HEIL CO.**

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



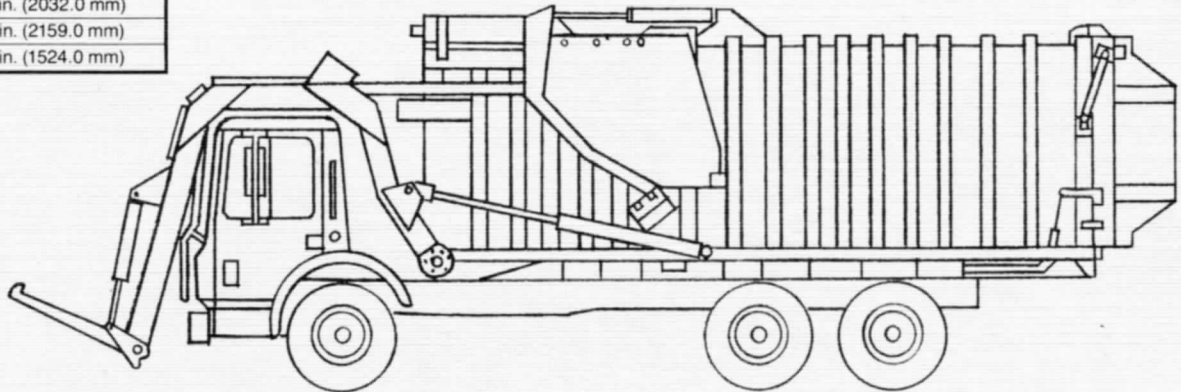
CONSTRUCTION SPECIFICATIONS		
HIGH TENSILE STEEL	Thickness	mm
Body sides	11 ga. <sup>(1)</sup>	3.037
Body roof and top door	11 ga. <sup>(1)</sup>	3.037
Body floor	¼ in. <sup>(2)</sup>	6.350
Body longitudinal	8 in. (203.2 mm) @ 13.4 Lbs./Ft.	
Floor support members	3 in. (76.2 mm) @ 4.1 Lbs./Ft.	
Tailgate sides	11 ga. <sup>(1)</sup>	3.037
Hopper floor	¼ in. <sup>(2)</sup>	6.350
Hopper sides	11 ga. <sup>(1)</sup>	3.037
Packing panel	7 ga. <sup>(1)</sup>	4.554
Forks	1½ in. <sup>(2)</sup>	38.100
Side shields	¼ in. <sup>(2)</sup>	6.350
(1) 80,000 psi minimum yield.		(2) 50,000 psi minimum yield.

HYDRAULIC SPECIFICATIONS	
<b>PUMP</b>	
Type	Gear
Maximum operating pressure	1800 psi (12,410 kPa)
Working rpm	1200 rpm, approximate
GPM at working rpm	37 gpm (140.06 liters/min.)
<b>OIL RESERVOIR</b>	
Tank capacity	74 gallons (280.12 liters)
Filters	10 micron return line with replaceable element.
<b>VALVES</b>	
Shut-off	Suction line.
Arms and forks	Sectional control.
Ejector and tailgate raise	Sectional control.

PERFORMANCE SPECIFICATIONS	
Arm capacity (Total)	8000 Lbs. (3628.7 kg)
Fork and arm cycle time	30 to 32 seconds
Packing cycle time	60 seconds
Arm width inside	86½ in. (2197.1 mm)
Lift fork width outside	77½ in. (1968.5 mm)
Hopper loading width	80 in. (2032.0 mm)
Hopper loading length	85 in. (2159.0 mm)
Side shield radius	60 in. (1524.0 mm)

## Full Pack

### FRONT LOADER



BODY SPECIFICATIONS										
MODEL	CAPACITY		OVERALL LENGTH ARMS DOWN, FORKS UP		OVERALL LENGTH TAILGATE RAISED		GROSS WEIGHT		HEIGHT ABOVE FRAME TAILGATE RAISED	
	Yd. <sup>3</sup>	m <sup>3</sup>	In.	mm	In.	mm	Lbs.	kg.	In.	mm
HFP-28	27.31	20.88	384	9,754	428½	10,883.9	19,000	8618	119	3022.6
HFP-31	29.66	22.68	402	10,211	432	10,972.8	19,200	8709	137	3479.8
HFP-34	33.01	25.24	427	10,846	471½	11,976.1	20,300	9208	119	3022.6
HFP-36	35.36	27.04	445	11,303	475	12,065.0	20,500	9299	137	3479.8
MODEL	HEIGHT ABOVE FRAME		HEIGHT ABOVE FRAME TOP DOOR RAISED		OVERALL WIDTH					
	In.	mm	In.	mm	In.	mm				
All	102	2,591	179	4546.6	96	2438.4				

CYLINDERS																					
PACKER/EJECTOR 1 Telescopic				LIFT ARM 2 Double Acting				FORKS 2 Double Acting				TOP DOOR 1 Double Acting				TAILGATE RAISE 2 Single Acting					
MODEL	BORE		STROKE		MODEL	BORE		STROKE		MODEL	BORE		STROKE		MODEL	BORE		STROKE			
	In.	mm	In.	mm		In.	mm	In.	mm		In.	mm	In.	mm		In.	mm	In.	mm	In.	mm
HFP-28	9½	241.3	156	3962.4	All	5	127.0	49	1244.6	4	101.6	24	609.6	4	101.6	24	609.6	2½	63.5	16	406.4
HFP-31	9½	241.3	156	3962.4																	
HFP-34	9½	241.3	199	5054.6																	
HFP-36	9½	241.3	199	5054.6																	

CHASSIS REQUIREMENTS <sup>(1)</sup>						
MODEL	MINIMUM GVWR	MINIMUM GAWR		USABLE CT		MINIMUM AF
		FRONT	REAR	RANGE	RECOMMENDED	
HFP-28	57,000	18,000	39,000	137 - 149	149	84
HFP-31	60,000	18,000	42,000	137 - 149	149	84
HFP-34	60,000	18,000	42,000	163 - 176	171	99
HFP-36	62,000	18,000	44,000	168 - 181	176	96

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 the 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.

- Diesel engines require full variable-speed governor.
- Specify chassis, engine and transmission upon entering order.
- Any truck requiring special alterations, moving battery boxes, air tanks, etc., will not be made until a letter authorizing changes is received by the Heil Company.



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