



Half/Pack[®] Freedom

Lightweight Front Loader



Half/Pack® Freedom

The most popular Front Loader is now even lighter.

As customers demand larger legal payloads without jeopardizing durability and dependability, Heil engineers have done it again. By using the field-proven lightweight Half/Pack Sierra as the base, and substituting alternative materials such as aluminum and composites for the ancillary body components, Heil's **Half/Pack Freedom** is the lightest, most durable front loader ever. It is an ideal collection unit for areas with stringent weight restrictions and for haulers who want to transport the largest legal payload without the worry of incurring overweight citations.

The **Half/Pack Freedom** weighs only 15,000 pounds, which is 25% lighter than a standard Half/Pack and 1,700 pounds lighter than the lightweight Half/Pack Sierra. The Freedom can carry 11+ tons of legal payload in its 28 cubic yard body – the largest legal payload – and features a 12 cubic yard hopper and an arm lifting capacity of 8,000 pounds.

To ensure the **Half/Pack Freedom** maintains its long-term durability, we have added an innovative load-control system to the unit called Heil's Overload Prevention System™ or HOPS™. HOPS uses axle scales, accurate to within 2%, to determine the vehicle's gross weight. When a

driver is on route collecting containers and the gross vehicle weight nears the maximum legal weight (or a preset allowable weight), this exclusive, patent-pending system warns the operator with audio and visual signals inside the cab. Once the HOPS warning signals occur, the driver can continue collecting containers only until the gross vehicle weight reaches the maximum allowable weight. Then, HOPS prevents the operator from collecting any additional containers. Using HOPS, the driver always knows the weight of the vehicle without the worry of exceeding the specified maximum allowable weight.

By adding the **Half/Pack Freedom** to your fleet you can not only eliminate overweight fines, but also improve fuel efficiency by up to six percent and reduce tire wear by up to seven percent. In addition, the lighter vehicle weight combined with properly sized payloads can extend the life of the **Half/Pack Freedom** by up to four years over standard estimates.

Start realizing the benefits of the **Half/Pack Freedom** today. To find out more, contact your local Authorized Heil Dealer. To find the Dealer nearest you, visit www.heil.com.





The Lightest Available Package with Heavy-Duty Performance

Get proven heavy-duty performance in a lighter package with the **Half/Pack® Freedom** front loader, specifically designed for areas with stringent weight restrictions.

- **Lightweight Durability** — The **Half/Pack Freedom** weighs only 15,000 pounds, which is 25% lighter than a standard Half/Pack and 1,700 pounds lighter than the lightweight Half/Pack Sierra.
- **Largest Legal Payload** — The **Half/Pack Freedom** can carry 11+ tons of legal payload in its 28 cubic yard body – the largest legal payload.
- **Leakage Prevention** — Our Shur-Lock™ tailgate lock system keeps payloads secure and enables the operator to unlock and open the tailgate, and discharge the load, from the safety of the vehicle's cab.
- **Fast and Reliable** — A packer cycle time of 22 to 26 seconds, an arm cycle time of 18 to 20 seconds, and more than 11 tons of payload capacity mean you can collect more quickly, before reaching the maximum allowable weight.
- **Superior Filtration** — Our 3-micron filtration system keeps oil cleaner and extends the life of hydraulic components. Other manufacturers use 10-micron filtration, which can allow particulate matter to damage the hydraulic system.
- **CNG Integration** — Choose to make your **Half/Pack Freedom** an alternative fuel vehicle by adding optional CNG tanks integrated into the body for a sleek design with no wheel base concerns.

Aluminum Content

*The **Half/Pack Freedom** incorporates aluminum and composite materials, drastically reducing the body weight of the unit. The cab shield, hydraulic oil tank, side door, and bolt-on light bolsters on the tailgate are all constructed from lightweight aluminum. The top door is constructed out of composite material that removes over 100 lbs. from the top of the unit.*

Service Lift Feature

This standard service lift feature removes the need for separate hydraulics and eliminates 250 lbs. on the chassis rail, while maintaining the ease of serviceability that our customers have grown to love in our standard Half/Pack.

Aluminum Air-Assisted Cab Shield

Heil now offers an air-assisted, aluminum cab shield that not only reduces the weight of the unit, but also aids the driver in tilting the cab shield with minimal effort.

HOPS™ Scale System*

Heil's HOPS (Heil Overweight Prevention System) technology ensures legal payloads and protects the unit from being overloaded. HOPS accomplishes this by notifying the driver when the truck is on the verge of its weight limit. Once the unit has reached its allowable weight limit, HOPS shuts down the vehicle's ability to collect trash.

* patent pending





Half/Pack® Freedom

Lightweight Front Loader Product Specifications

Performance Specifications

Container Dump Cycle Time	18-20 seconds
Packer Cycle Time (eject)	22-26 seconds @ idle
Arms Lifting Capacity	8,000 lbs. (tested to 16,000 lbs.)
Compaction Force	117,000 lbs.
Clearance-Stop-Tail Back-up Lamp	FMVSS 108

Hydraulic Specifications

PUMP	
Type	Single Vane
Maximum Operating Pressure	2,500 psi
Working RPM	1,300 RPM approx.
Flow at Working RPM	50 GPM
OIL RESERVOIR	
Tank Capacity (net)	50 gallons
Filters	3 micron return filter with in-cab filter monitor; 100 mesh reusable suction screen
VALVES	
Type	Multi-section stack valve, 50 GPM @ 2,500 psi relief valve to prevent overload damage

Cylinder Specifications

Body Cylinders	Type	28 yd ³	
		Bore	
Packer (eject models)	(2) 3-Stage Double Acting Telescopic	in.	5.5
		mm	140
Arm	(2) Double Acting	in.	4.5
		mm	114
Forks	(2) Double Acting	in.	4.5
		mm	114
Top door	(1) Double Acting	in.	4
		mm	102
Tailgate	(2) Double Acting Each	in.	3
		mm	76

Chassis Requirements

Chassis Requirements		28 yd ³
Usable CT	lbs.	172-191
	kg	4369-4851
Wheel Base	in.	185-209
	mm	5004-5486
GVWR	lbs.	57,500
	kg	26,082
Minimum GVWR (F)	lbs.	18,000
	kg	8165
Minimum GAWR (R)	lbs.	34,000
	kg	15,422
Minimum Tag	lbs.	11,000
	kg	4990
Minimum Platform	in.	264 (eject)
	mm	6706

* Diesel engines require a full variable speed governor.

Body Specifications

Body Specifications		28 yd ³	
Body Capacity	yd ³	28	
	m ³	25.6	
Hopper Capacity	yd ³	12	
	m ³	10.9	
Gross Capacity	yd ³	40	
	m ³	36.6	
Gross Weight (approx.)	lbs.	15,200	
	kg	6895	
Overall Length ^(a)	in.	415 in.	
	mm	10,541	
Overall Width	in.	96 in.	
	mm	2439	
Overall Height ^(b)	Arms Down	in.	107 in.
		mm	2718
	Arms Up	in.	120 in.
		mm	3048
Hopper Opening	in	83 x 93	
	mm	2108 x 2362	

^(a) Arms Down, Forks Tucked ^(b) Above Frame

All designs, specifications and components are subject to change at the manufacturer's sole discretion at any time without notice. Data published herein is for information purposes only 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 is our standard written Warranty Statement for this product at the time of shipment.



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