



# DuraPack™ Half/Pack®

Front Loader



An Enduring Performance.

HEIL ENVIRONMENTAL  
INDUSTRIES, LTD.

A DOVER INDUSTRIES COMPANY

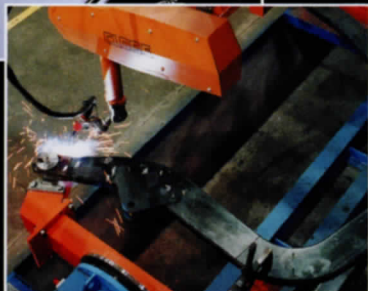
# DuraPack™ Half/Pack®

## The Front Loader That Shaped The Industry



### State-of-the-Art

Heil uses advanced robotic welding for many key components, like the Half/Pack's 8,000 pound rated arms and the reinforced tailgate. The result is a more precise fit, cleaner looking welds, and more consistency from part to part, and unit to unit.



### Making Your Life Easier

In the pioneering spirit that has been Heil for almost 100 years, Half/Pack® front loaders feature our patented clamp-

on arm. In the event of arm damage, the replacement arm can be attached in a fraction of the time it takes to replace weld-on or bolt-on arms. The four sets of two-piece bronze alloy bearings are also easily replaced.



### Built For The Long

Our famous interlaced subframe double-walled hopper sides are examples of Heil strength through high tensile steels. We put it where it's needed most.





try

After 16 years and over 7,000 units produced, the Half/Pack® front loader from Heil continues to be the standard to which all others are compared. Today's DuraPack™ Half/Pack® front loader is a marvel of engineering and efficiency, refined over the years to arrive at the pinnacle of productivity, durability, driver comfort and safety, and ease of maintenance.

Our newest Half/Pack® front loader features our patented clamp-on arms, John Deere cylinders, and the latest in electronic controls and on-board diagnostics. And of course, the features you've come to expect from Heil – like the interlaced subframe, high tensile steel construction, Shur-Lock™ tailgate locks, and more.

Best of all, the DuraPack™ Half/Pack® front loader is backed by Heil's worldwide network of distributors and service centers; plus the industry's first manufacturer based training center and, now, a new mobile training center to help you keep your equipment operating at its peak.

Legendary Heil quality and durability, with a century-old heritage of industry leadership and commitment to customer satisfaction – that's the Half/Pack® legacy.



ng Haul  
oframe and the  
es are perfect  
through the use  
put strength



We could do less, but it wouldn't be a Heil... and you'd know the difference.

### Quality Goes Beyond The Obvious

Little things can make all the difference when it comes to keeping your equipment on the route day after day. For example, in critical electrical components, Heil uses gold-tipped connectors that resist oxidation; our proximity switches are the highest quality available and even exceed military specs; hydraulic systems are protected with deceleration valves on arm cylinders; and Half/Pack's John Deere cylinders are built to the toughest tolerances in the business.



### Safety Matters

Features like the Shur-Lock™ tailgate locks have long been a Heil standard. We take safety to the extreme in less visible ways, too – like the patented cylinder retention cables on eject cylinders, to prevent the body sidewall from being compromised in the event of an accident; the tailgate mounted, sure-grip roof access ladder and more. When it comes to the safety of your operators, we think peace of mind is right up there with profit.



# S P E C I F I C A T I O N S



**DURAPACK™ HALF/PACK® FULL EJECT MODEL**



**DURAPACK™ HALF/PACK® DUMPING MODEL**

PERFORMANCE SPECIFICATIONS	
Container Dump Cycle Time	18-20 seconds
Packer Cycle Time	22-26 seconds (Eject) 24-28 seconds (Dump)
Arms Lifting Capacity	8,000 lbs. (tested to 16,000 lbs.)
Compaction Force	105,000 lbs.
Dumping Angle	30°
Clearance - Stop - Tail - Back-up Lamp	FMVSS 108

HYDRAULIC SPECIFICATIONS	
<b>PUMP</b>	
Type	Gear
Max. operating pressure	2500 psi
Working RPM	1300 approx.
GPM at spec. cycle time	50 GPM
<b>OIL RESERVOIR</b>	
Tank Capacity	41 gallons (Eject) 32 gallons (Dump)
Filters	
100 Mesh reusable suction screen; 6 Micron return filter with in-cab filter monitor	
<b>VALVES</b>	
Type	6 section (Eject) or 7 section (Dump) stack valve, 50 GPM @ 2500 psi. Relief valve to prevent overload damage.

CONSTRUCTION SPECIFICATIONS			
HIGH TENSILE STEEL		THICKNESS	
		Standard	Extra Duty
Upper Corner Brace - 4" x 6"		11 ga. <sup>(1)</sup>	11 ga. <sup>(1)</sup>
Lower Corner Brace - 4" x 16"		11 ga. <sup>(1)</sup>	11 ga. <sup>(1)</sup>
Lower Hopper Sides		3/16 in. <sup>(3)</sup>	3/16 in. <sup>(3)</sup>
Upper Hopper Sides		12 ga. <sup>(1)</sup>	12 ga. <sup>(1)</sup>
Lower Packing Blade Face		3/16 in. <sup>(3)</sup>	3/16 in. <sup>(3)</sup>
Upper Half Packing Blade Face		7 ga. <sup>(1)</sup>	7 ga. <sup>(1)</sup>
Packer Slide Wear Bars	Upper	1/4 x 3 1/2 in. <sup>(2)</sup>	1/4 x 3 1/2 in. <sup>(2)</sup>
	Lower	3/8 x 3 1/2 in. <sup>(2)</sup>	3/8 x 3 1/2 in. <sup>(2)</sup>
	Side	1/4 x 2 in. <sup>(2)</sup>	1/4 x 2 in. <sup>(2)</sup>
Packer Tracks		1/4 in. <sup>(2)</sup>	1/4 in. <sup>(2)</sup>
Hopper Floor		1/4 in. <sup>(3)</sup>	1/4 in. <sup>(3)</sup>
Body Floor		3/16 in. <sup>(3)</sup>	1/4 in. <sup>(3)</sup>
Body Sides		10 ga. <sup>(1)</sup>	8 ga. <sup>(1)</sup>
Body Roof		10 ga. <sup>(1)</sup>	8 ga. <sup>(1)</sup>
Tailgate Sides & Back Sheet (Eject)		10 ga. <sup>(1)</sup>	10 ga. <sup>(1)</sup>
Tailgate Sides & Back Sheet (Dump)		11 ga. <sup>(1)</sup>	11 ga. <sup>(1)</sup>
Floor Longitudinals*		3/16 in. <sup>(1)</sup>	3/16 in. <sup>(1)</sup>
Under Body Cross Members*		5" x4" 11 ga. <sup>(1)</sup>	5" x4" 11 ga. <sup>(1)</sup>
Vertical Body Corner Posts*		3/16 in. <sup>(1)</sup>	3/16 in. <sup>(1)</sup>

<sup>(1)</sup> 80,000 psi min. yield      <sup>(2)</sup> 145,000 psi min. yield, AR steel  
<sup>(3)</sup> 150,000 psi min. yield, 321 BHN      \* Formed Channels

CHASSIS REQUIREMENTS							
BODY	USABLE CT	WHEEL BASE	GVWR	MIN. GAWR (F)	MIN. GAWR (R)	MIN. PF (Platform)	
						Dump	Eject
28 yd. <sup>3</sup>	162" to 181"	197" to 216"	62,000	18,000	44,000	236"	264"
23 yd. <sup>3</sup>	174" to 186"	179" to 185"	58,000	18,000	40,000	204"	236"

Diesel engines require full variable speed governor

BODY SIZE	PACKER <i>(Dump Models)</i>		PACKER / EJECT <i>(Eject Models)</i>		ARM		HOIST <i>(Dump Models)</i>		FORKS		TOP DOOR		TAILGATE <i>(2) Double Acting Each</i>			
	(2) Double Acting		(2) 3-Stage Double Acting Telescopic		(2) Double Acting		(2) Single Acting		(2) Double Acting		(2) Double Acting		RAISE		LOCK	
	BORE	STROKE	BORE	STROKE	BORE	STROKE	BORE	STROKE	BORE	STROKE	BORE	STROKE	BORE	STROKE	BORE	STROKE
28 yd. <sup>3</sup>	5.5"	63"	5.5"	182"	4.5"	41.5"	4.5"	67.5"	4.0"	25"	2.5"	90"	3.0"	28.25"	3.0"	3.62"
23 yd. <sup>3</sup>	5.5"	63"	5.5"	151"	4.5"	41.5"	4.5"	67.5"	4.0"	25"	2.5"	68"	3.0"	28.25"	3.0"	3.62"

MODEL	BODY CAPACITY	HOPPER CAPACITY <sup>(a)</sup>	GROSS CAPACITY	GROSS WEIGHT (APPROXIMATE)		OVERALL LENGTH <sup>(b)</sup>	OVERALL WIDTH	OVERALL HEIGHT		HOPPER OPENING
				STANDARD	EXTRA DUTY			ARMS DOWN	ARMS UP	
				HPH-D-28	28 yd. <sup>3</sup>			12 yd. <sup>3</sup>	40 yd. <sup>3</sup>	
HPH-E-28	28 yd. <sup>3</sup>	12 yd. <sup>3</sup>	40 yd. <sup>3</sup>	18,600 lbs.	19,000 lbs.	412"	96"	107.5"	120.5"	80" x 93"
HPH-D-23	23 yd. <sup>3</sup>	12 yd. <sup>3</sup>	35 yd. <sup>3</sup>	18,000 lbs.	18,400 lbs.	380"	96"	107.5"	120.5"	80" x 93"
HPH-E-23	23 yd. <sup>3</sup>	12 yd. <sup>3</sup>	35 yd. <sup>3</sup>	17,600 lbs.	18,000 lbs.	380"	96"	107.5"	120.5"	80" x 93"

<sup>(a)</sup> Nominal      <sup>(b)</sup> Arms down, Forks tucked

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 for this product at the time of shipment.



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P.O. Box 8676, Chattanooga, TN 37414  
 1-800-824-4345 • Fax: (423) 855-3478 • www.heilco.com