



DPF Formula[®] 5000



**A Great Rear Loader
Just Got Better**

A Member Of The

DuraPack[™] Family

DuraPack™ Family

Formula® 5000

Legendary C

The Heil Formula® 5000 rear... toughness and durability, high work ethic. The time tested Formula® 5000 is used by municipal fleets, as well as private haulers and major waste management companies. It's hard to improve on such a proven design.



More than just good looks

In addition to its stylish appearance, the DuraPack™ body's curved shell and flat floor give the Formula® 5000 superior strength and durability. The body side is made from a single sheet of steel turned horizontally, which means packing forces will work with the grain of the steel for less wear. The snoutless concave ejector discharges loads cleanly, while the high angle cylinder mount puts more payload forward in the body for better weight distribution and less packing force on the track and floor.



A Solid Foundation

Heil's famous interlaced subframe is even better with the DPF body – more crossmembers, all evenly spaced and fully welded for superior resistance to corrosion.



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Quality In A Stylish New Package

loader is known throughout the world for its high compaction payloads, and no-nonsense Formula® 5000 is the workhorse of large rear loader of choice for independent waste companies alike. With over 13,000 built, it's a good thing. But we did.

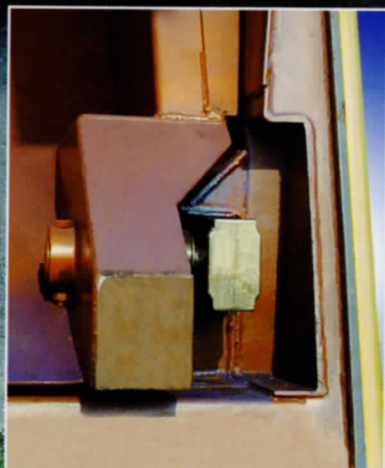
The new Formula® 5000 has joined the DuraPack™ Family of products from Heil, with a smooth sided body made from a single sheet of high tensile steel, protected and concealed hydraulic tubes, and a stronger interlaced subframe. The DPF 5000 also uses the improved, high angle ejector cylinder mount which allows the ejector to retract farther, putting more weight forward in the body while reducing the packing forces on the track and the floor. It all adds up to better payloads, better stability, and longer life for internal body components.

You'll like what we've done to your favorite rear loader. But some things were too good to change. Like the Formula® 5000 tailgate, with its generous hopper, chrome plated and induction hardened cylinders for longer life, and the linkage packing system with no rollers or slides to wear out.

The DuraPack™ Family Formula® 5000. It's solid proof that you can take a good thing and make it even better.



Making Your Life Easier
Heil engineers carefully designed the DuraPack™ family body for easier service and maintenance, like easy to reach hydraulic tubes, protected inside the rear bolster.



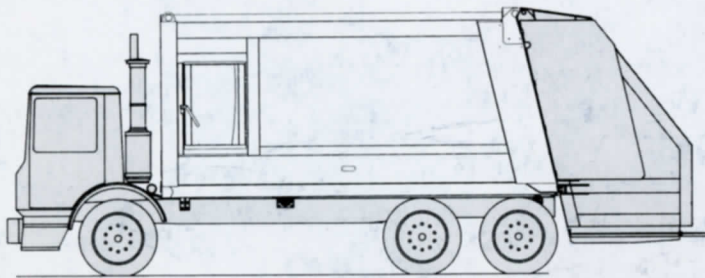
Common Sense Engineering

The raised ejector track on the DPF Formula® 5000 means longer wear, and the cast alloy shoes are easily serviced without removing the ejector panel.

Easy, Reliable Controls

Manual packing controls allow the operator to stop, start, or reverse either the upper panel or blade at any point in the packing cycle. A normal packing cycle is completed in two steps with one-hand operation. With a reload time of 9 to 11 seconds, the DPF Formula® 5000 is fast and efficient. A variety of container handling options are available, including the roll bar and lip-and-latch kit shown here.

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



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.

DuraPack™ Family Formula® 5000 High Compaction Rear Loader

HYDRAULIC SPECIFICATIONS	
PUMP	
Type	High pressure gear.
Max. operating pressure	2500 psi
GPM at working RPM	26 GPM (98 liters/min. @1100 rpm)
OIL RESERVOIR	
Tank capacity	18, 20 & 25 yd. – 34 gallons (129 liters) 27 & 32 yd. – 45 gallons (170 liters)
Filters	100 Mesh (140 Micron) suction line replaceable 6 Micron return line with in-cab filter monitor
VALVES	
Shut-off	Gate valve in suction line between pump and reservoir
Packing control	Spool type.
Ejector and tailgate raise	Spool type.

CONSTRUCTION SPECIFICATIONS		
High Tensile Steel	Thickness	mm
Body sides	8 ga. ⁽³⁾	3.9
Body roof	10 ga. ⁽³⁾	3.4
Body floor	7 ga. ⁽³⁾	4.5
Body longitudinal	7 ga. ⁽¹⁾	4.5
Floor support members	7 ga. ⁽¹⁾	4.5
Hopper floor	3/16 in. ⁽²⁾	4.8
Carrier panel	3/16 in. ⁽²⁾	4.8
Hopper sides	3/16 in. ⁽²⁾	4.8
Packing blade	3/16 in. ⁽²⁾	4.8
Ejector panel	11 ga. ⁽³⁾	3.0

⁽¹⁾ 80,000 psi min. yield ⁽²⁾ 150,000 psi min. yield
⁽³⁾ 50,000 psi min. yield

CHASSIS REQUIREMENTS											
MODEL	MIN. GVWR	MINIMUM GAWR				USABLE CA		USABLE CT		MIN. Platform	
		Conventional		Cab-Over Engine		inches	mm	inches	mm	inches	mm
		Front	Rear	Front	Rear						
DPF 5000 - 18	39,000	11,000	29,000	13,000	26,000	124	3150	NA	NA	155	3937
DPF 5000 - 18	48,000	12,000	36,000	14,000	34,000	NA	NA	108	2473	155	3937
DPF 5000 - 20	51,000	13,000	38,000	15,000	36,000	NA	NA	126	3200	165	4191
DPF 5000 - 25	54,000	14,000	40,000	16,000	38,000	NA	NA	156	3962	200	5080
DPF 5000 - 27	57,000	15,000	42,000	17,000	40,000	NA	NA	167	4242	212	5385
DPF 5000 - 32	62,000	16,000	46,000	18,000	44,000	NA	NA	197	5004	240	6095

NOTES:
1) Any chassis sent to The Heil Co. with less than these minimum GVWR/GVARs will not be mounted. 2) Diesel engines require full variable speed governor.
3) If CA/CT is not as recommended, contact Heil Environmental Industries, Ltd. for applicable weight distribution and GVWR/GAWR requirements.

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
Engine speed-up	Forward left corner of body

TAILGATE SPECIFICATIONS									
HOPPER CAPACITY		LOADING SILL HEIGHT		HOPPER LOADING WIDTH		HOPPER OPENING HEIGHT		CYCLE TIME	
yd ³	m ³	inches	mm	inches	mm	inches	mm	Complete	Reload
3.0	2.29	3.8	97	80	2032	55	1397	28-32	9-11

BODY SPECIFICATIONS														
MODEL	BODY CAPACITY		OVERALL LENGTH		OVERALL LENGTH Tailgate Raised		OVERALL WIDTH		OVERALL HEIGHT Above Frame		OVERALL HEIGHT Tailgate Raised		GROSS WEIGHT Approximate	
	yd ³	m ³	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	lbs.	kg.
DPF 5000 - 18	18	13.7	225	5715	275	6985	96	2438	96	2438	208	5283	14,500	6,577
DPF 5000 - 20	20	15.3	235	5969	285	7239	96	2438	96	2438	208	5283	14,800	6,714
DPF 5000 - 25	25	19.1	270	6858	320	8128	96	2438	96	2438	208	5283	15,300	6,940
DPF 5000 - 27	27	20.6	282	7163	332	8433	96	2438	96	2438	208	5283	15,700	7,122
DPF 5000 - 32	32	24.4	310	7874	360	9144	96	2438	96	2438	208	5283	16,400	7,439

CYLINDERS																		
MODEL	TAILGATE RAISE (2)				PACKING BLADE (2) Double Acting				UPPER PANEL (2) Double Acting				EJECTION (1) Double Acting Telescopic					
	BORE		STROKE		BORE		STROKE		BORE		STROKE		MODEL	STAGES	BORE		STROKE	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm			inches	mm	inches	mm
ALL	4	102	26	660	5.5	140	24	609	5	127	36	914	DPF 5000-18	4	6	152	95.5	2426
													DPF 5000-20	4	6	152	105.2	2672
													DPF 5000-25	4	6	152	134.1	3406
													DPF 5000-27	4	6	152	145.8	3703
													DPF 5000-32	5	7	178	173.6	4410



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