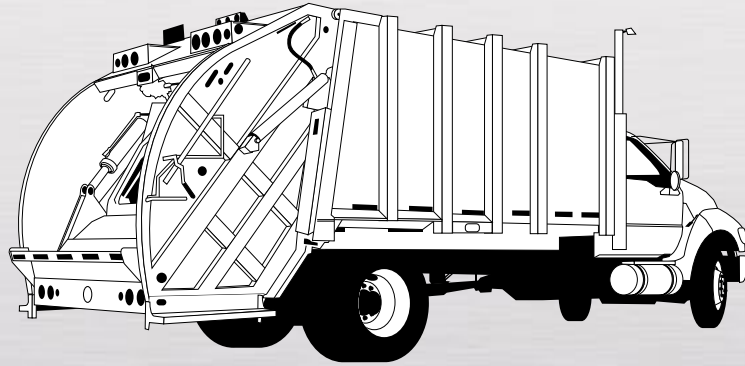


Formula® 4000

Mid-Range Rear Loader



PERFORMANCE SPECIFICATIONS

Compaction up to 800 Lbs. per Yd³
 Hopper Size 2.66 Cubic Yards
 Packing Cycle Time 17-19 Seconds*
 Reload Time 7-10 Seconds*
 FET Exempt 13, 16, 18 & 20 Yd. Units
(single axle configurations)

*with optional Regen valve

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.

HYDRAULIC SPECIFICATIONS

PUMP	
Type	High pressure gear
Max. operating pressure	2,500 psi (17,237 kPa)
GPM	24 GPM (90.8 liters/min.)
OIL RESERVOIR	
Tank capacity	24 gallons (90.8 liters)
Filters (replaceable)	Return - 10 micron Suction - 140 micron
VALVES	
Shut-off	Ball type
Packing control	Spool type
Ejector and tailgate raise	Spool type

CHASSIS REQUIREMENTS

MODEL	MIN. GVWR	MIN. GWR ⁽¹⁾		USABLE CA		USABLE CT		MIN. AF	
		Front	Rear	inches	mm	inches	mm	inches	mm
4000-13	25,500	8,000	17,500	96 ⁽²⁾	2,438	N/A	N/A	32	813
4000-16	27,000	9,000	18,000	102-108	2,591-2,743	N/A	N/A	32	813
4000-18	29,500	9,000	20,000	118-124	2,997-3,150	N/A	N/A	32	813
4000-20	32,000	9,000	23,000	132-138	3,353-3,505	114-120	2,896-3,048	32/51	813/1,295
4000-25	43,000	9,000	34,000	N/A	N/A	136-142	3,454-3,607	51	1,295

NOTES:
 • Any chassis sent to The Heil Co. with less than these minimum GVWR/GVARs will not be mounted
 1) If CA/CT is not as recommended, contact Heil Environmental for applicable weight distribution and GVWR/GAWR requirements
 2) Requires 7" forward mounting of body.

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.
4000-13	13.8	10.55	186	4,724	211	5,359	95.75	2,432	86	2,184	156	3,962	9,100	4,128
4000-16	16	12.23	201	5,105	226	5,740	95.75	2,432	86	2,184	156	3,962	9,400	4,264
4000-18	18	13.76	217	5,512	241.5	6,134	95.75	2,432	86	2,184	156	3,962	9,650	4,377
4000-20	20	15.29	231	5,867	255	6,477	95.75	2,432	86	2,184	156	3,962	9,900	4,491
4000-25	25	19.11	254	6,452	287	7,299	95.75	2,432	93	2,362	167	4,242	10,700	4,853

CYLINDERS

MODEL	TAILGATE RAISE (2)				PACKING BLADE (2) Double Acting				SLIDE (2) Double Acting				EJECTION (1) Double Acting Telescopic					
	BORE		STROKE		BORE		STROKE		BORE		STROKE		MODEL	STAGES	BORE		STROKE	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm			in	mm		
ALL	3	76.2	31	787.4	4	101.6	21.62	549.2	4.5	114.3	26.5	673.1	4000-13	3	5.5	140	64.75	1,645
													4000-16	3	5.5	140	81.12	2,060
													4000-18	4	6.5	165	96.12	2,441
													4000-20	4	6.5	165	110.12	2,797
													4000-25	4	6.5	165	129.00	3,277

TAILGATE SPECIFICATIONS

MODEL	HOPPER CAPACITY		LOADING SILL HEIGHT BELOW CHASSIS FRAME		HOPPER LOADING WIDTH		HOPPER OPENING HEIGHT		CYCLE TIME - Seconds (with optional regen. valve)	
	yd ³	m ³	inches	mm	inches	mm	inches	mm	Complete	Reload
4000-13-20	2.66	2.04	0	0	80	2,032	46	1,168	17-19	7-10
4000-25	2.66	2.04	2	51	80	2,032	46	1,168	17-19	7-10

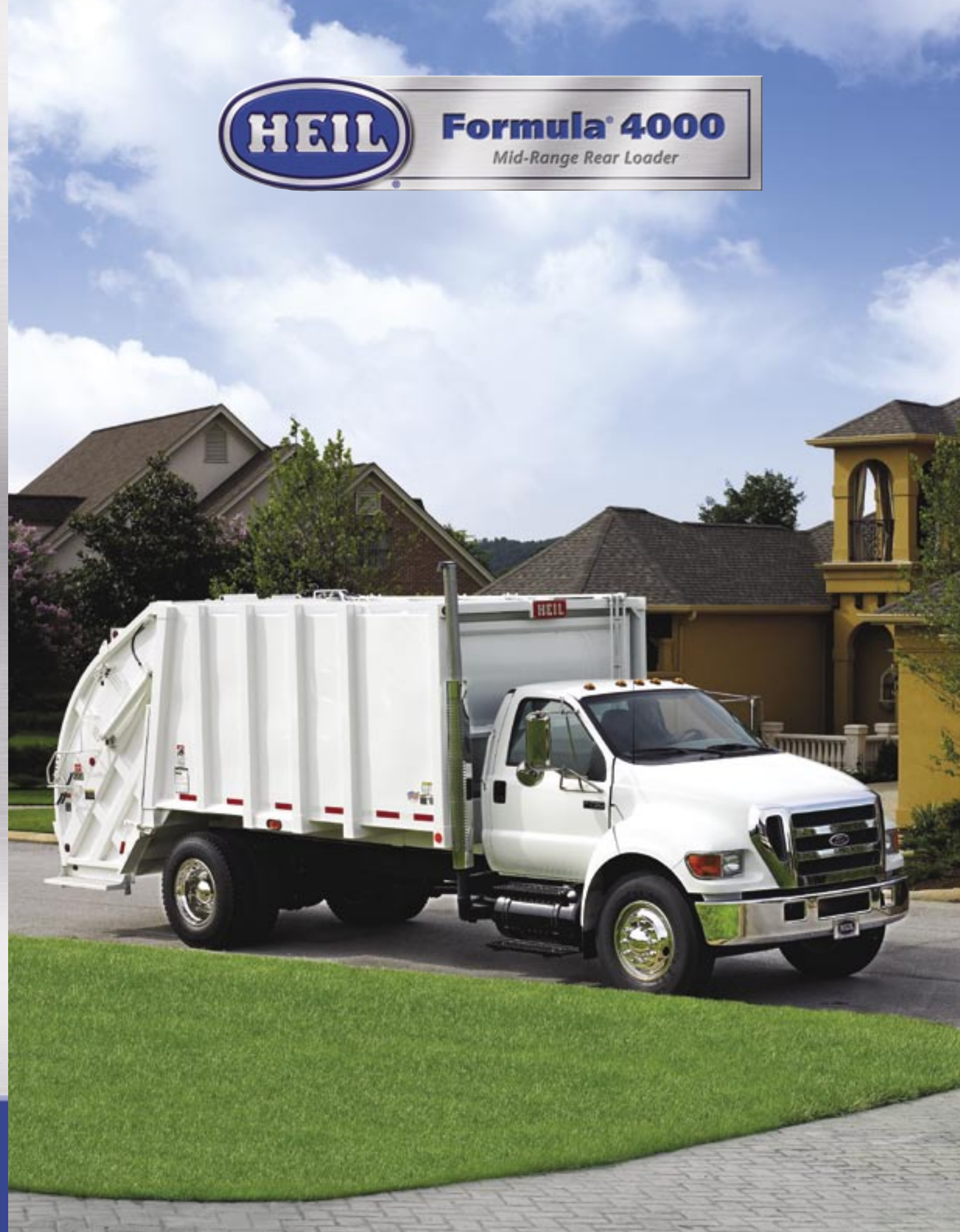
CONTACT YOUR LOCAL DEALER



THE WHEELS ARE ALWAYS TURNING



Formula® 4000
Mid-Range Rear Loader



HEIL ENVIRONMENTAL • 5751 CORNELISON ROAD, 6400-B • CHATTANOOGA, TN 37411

800.824.4345 • A DOVER COMPANY

WWW.HEIL.COM

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FORM #3-5-4





*Narrow widths available for residential applications.

Put a Workaholic on Your Routes.

Why are there so many **Formula® 4000s** on the road today? Because once you put one on the road, it tends to stay there. In fact, there are thousands of **Formula® 4000s** dedicated to serving the needs of small municipalities and large metropolitan cities the world over. They also feature the low cost of ownership you expect from Heil, along with the best payload-to-weight ratio of any mid-range rear loader. And with a proven track record in both residential and commercial applications,

the **Formula® 4000** is the mid-range workhorse of the industry.

Built to Last. The foundation of the

Formula® 4000's durability is its interlaced subframe, featuring formed channels for extra strength. Heil pioneered this design to provide the strongest foundation in the industry for long-lasting strength and durability. In addition, the floor of the **Formula® 4000** is made from abrasion-resistant, high tensile steel that stands up to the most demanding conditions, yet its lower overall body weight increases payloads and reduces stress on chassis components.

Precision Engineered. Keeping the wheels turning on the road begins with keeping them turning in the engineering department. The **Formula® 4000** features a number of innovations, including an ejector panel designed to reduce wear by fitting precisely in the body, without ever contacting the tailgate.



Best payload-to-weight ratio of any mid-range rear loader.

Furthermore, its snoutless ejector elevates the cylinder base, which keeps the cylinder free from contamination by refuse. We even designed the **Formula® 4000** to feature a lower profile for better center of gravity and clearance from obstructions.

Service Smart. The **Formula® 4000** features a Service Smart design, which minimizes downtime for maintenance. It offers easy access to the ejector cylinder and behind the ejector panel. For added convenience, an optional side access door is also available with an enclosed front head. You'll find the hassle-free service of the hydraulic oil system will keep the system cleaner, reducing wear on hydraulic components. And you'll have a convenient external oil tank with a 10-micron spin-on oil filter and suction line shutoff valve.



Wide selections of premium Bayne cart tippers are available for residential applications.

Handles Residential and Commercial Applications.

Whether you need trucks for residential routes, commercial routes or both, the **Formula® 4000** is ready to work. It can be fitted with cart lifters for residential carts, or a winch or reeving cylinder and roll bar for commercial containers. It's also available in sizes ranging from 13 to 25 cubic yards.*

The Formula® 4000. Unsurpassed durability, ingenuity and payloads in a mid-range rear loader.



The only interlaced subframe in a refuse vehicle.



Service Smart side door provides easy access for maintenance.