



MID-RANGE
REAR LOADERS

FORMULA[®] 4000



The Heil FORMULA 4000 mid-range rear loader is the workhorse of the industry. Its proven track record and solid construction, coupled with features like cushioned cylinders and Duo-press compaction, make it the most popular mid-range rear loader working today.

CONSTRUCTION SPECIFICATIONS

High tensile steel	Thickness	mm
Body sides	11 ga.	3.038
Body roof	11 ga.	3.038
Body floor	10 ga.	3.416
Body longitudinal	8 ga.	4.176
Floor support members	11 ga.	3.038
Front head	11 ga.	3.038
Hopper floor (100,000 PSI yield)	3/16 in.	4.763
Hopper sides	10 ga.	3.416
Packing blade (80,000 PSI yield)	3/16 in.	6.350
Ejector panel	12 ga.	2.657

HYDRAULIC SPECIFICATIONS

PUMP	
Type	High pressure gear.
Maximum operating pressure	2500 psi (17,237 kPa).
GPM at working RPM	22 GPM (83.28 liters/min.).
OIL RESERVOIR	
Tank capacity	24 gallons (90.8 liters).
Filters	Return line 25 micron, replaceable element.
VALVES	
Shut-off	Optional.
Packing control	Spool type.
Ejector and tailgate raise	Spool type.

CHASSIS REQUIREMENTS (1)

MODEL	MIN. GVWR	MIN. GAWR (2)		USABLE CA		USABLE CT		MIN. AF
		front	rear	range	recom.	range	recom.	
4000-16	27,000	9,000	18,000	102-110	110	N/A	N/A	32
4000-18	29,500	9,000	20,500	118-124	124	N/A	N/A	32
4000-20	32,000	9,000	23,000	132-140	140	N/A	N/A	32
4000-25	43,000	9,000	34,000	N/A	N/A	*	138	51

* If CT is not as recommended, contact the Chattanooga Sales Office for applicable weight distribution and GVWR/GAWR requirements.

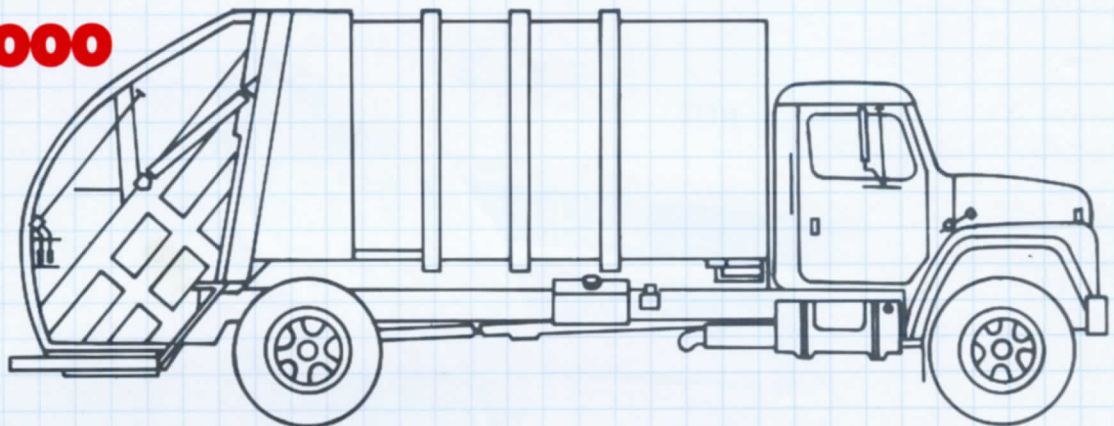
(1) Diesel engines require full variable speed governor. (2) Any chassis sent to The Heil Co. with less than these minimums will not be mounted.

(3) L.H. side door optional. (4) Front head optional.

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.
Signal buzzer switches	Right side of tailgate.
Engine speed-up	Forward left corner of body.

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BODY SPECIFICATIONS

MODEL	CAPACITY		OVERALL LENGTH		OVERALL LENGTH TAILGATE RAISED		OVERALL WIDTH		OVERALL HEIGHT ABOVE FRAME		OVERALL HEIGHT TAILGATE RAISED		GROSS WEIGHT	
	Yd. ³	m ³	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	Approximate Lbs.	Kg.
4000-16	16	12.23	201	5105.4	226	5740.4	95¾	2432.1	83	2108.2	156	3962.4	9,400	4264
4000-18	18	13.76	217	5511.8	241½	6134.1	95¾	2432.1	83	2108.2	156	3962.4	9,650	4377
4000-20	20	15.29	231	5867.4	255	6477.0	95¾	2432.1	83	2108.2	156	3962.4	9,900	4491
4000-25	25	19.11	254	6451.6	287	7289.8	95¾	2432.1	90	2286.0	167	4241.8	10,700	4853

CYLINDERS

MODEL	TAILGATE RAISE (2)				PACKING BLADE (2) Double Acting				SLIDE (2) Double Acting				EJECTION (1) Double Acting Telescope					
	BORE		STROKE		BORE		STROKE		BORE		STROKE		MODEL	STAGE	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	21¾	549.27	4½	114.3	26½	673.1	4000-16	3	5	127	106¾	2701.92
													4000-18	4	6	152.4	118¼	3003.55
													4000-20	4	6	152.4	135¾	3448.05
													4000-25	4	6	152.4	150½	3822.7

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.

TAILGATE SPECIFICATIONS

HOPPER CAPACITY (TBEA Rated)		LOADING SILL HEIGHT	HOPPER LOADING WIDTH		HOPPER OPENING HEIGHT		CYCLE TIME	
Yd. ³	m ³		In.	mm	In.	mm	Complete	Reload
2.3	1.76	Even with frame, except 4000-25, which is 4 in. (101.6 mm) below frame.	80	2032.0	46	1168.4	22-26	12-15



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