



**THE
NEW STANDARD
OF
ROUTE
EFFICIENCY**

COMPACTION, CAPACITY AND DURABILITY READY FOR TODAY AND TOMORROW

There were no surprises the way Heil entered the one-man front loader field. Never before has a major product advance been so thoroughly defined, designed and refined . . . then tested and retested. The Formula front loader from Heil was a well-calculated project determined to build a body that could surpass any other produced in the past. Now the Formula Front-Loader—the 8000—is here with a maximum power and a choice of standard capacities of 27 and 33 yards. Here is extra front loader payload performance to run a route more efficiently.

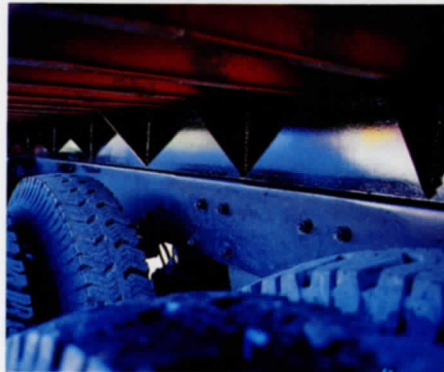
PACKING FASTER, BETTER

The Formula 8000 compacts to greater load densities utilizing the 90,000 lb. thrust of Heil's telescoping main cylinder placed down the centerline of the body. This same force is available to eject the load. The self-leveling lift arms of 8,000 lb. capacity handle containers ranging from

one to eight cubic yards. The total cycle time of the Heil front loader is one of the fastest in the industry. The Formula 8000 saves time on the route and at the dump.

BUILT TOUGH

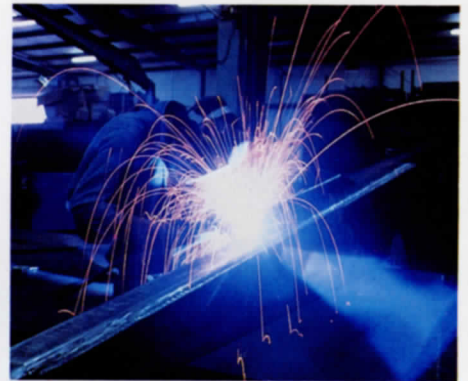
Loading refuse into a front loader body at the top drops the full load weight against the body floor. That's why Heil engineers



started—at the bottom—to build rugged durability into the Formula 8000. Heil stacks the cross members of the Formula 8000 floor welding one to another. Here is extra strength—precisely where it's needed—at the point of continued stressing. For still more strength, the floor thickness is increased to one-quarter inch throughout the area under the roof opening. The remainder of the Formula 8000 floor is a sturdy three-sixteenths High Tensile steel.

THE HEIL WAY

For almost eighty years, The Heil Co. has led industry in welding research innovation. The techniques and skills that come with



this experience are important to maintaining quality standards in a packer body with the mass of a front loader. More than any other product manufactured by The Heil Co. the Formula 8000 taps this quality building tradition.





HEIL



**HEIL'S
FORMULA
8000**

HEIL FORMULA 8000

DIMENSIONS, CAPACITIES & CHASSIS REQUIREMENTS

	Model 8000-27	Model 8000-33
FORMULA 8000 BODY		
Length at Body Floor	200 ⁵ / ₈ in. (5095.88mm)	236 ¹ / ₈ in. (5997.58mm)
Overall Length	228 ¹ / ₈ in. (5794.38mm)	263 ⁵ / ₈ in. (6696.08mm)
Length with 6 cu. yd. bustle	247 ⁵ / ₈ in. (6289.68mm)	283 ¹ / ₈ in. (7191.38mm)
Width Overall	96 in. (2438.4mm)	96 in. (2438.4mm)
Height above chassis frame	105 ³ / ₄ in. (2686.05mm)	105 ³ / ₄ in. (2686.05mm)
Height above chassis frame to door raised	189 in. (4800.6mm)	189 in. (4800.6mm)
Gross Weight (approx.)	17,000 lbs. (7711.2 kgs)	18,000 lbs. (8164.8 kgs)
FORMULA 8000 HOPPER OPENING		
All Sizes	80 in. wide x 81 in. long (2032mm) x (2057.4mm)	
FORMULA 8000 LIFTING MECHANISM (all sizes)		
Arm Capacity (total)	8,000 lbs. (3628.72 kgs)	
Arm Width Inside	88 ¹ / ₂ in. (2247.9mm)	
Lift Fork Width Outside	77 ³ / ₄ in. (1974.85mm)	
FORMULA 8000 CHASSIS REQUIREMENTS		
C/T Tandem Axle	138 in. (3505.2mm)	155 in. (3937.0mm)
Front Axle Rating	16,000 lbs. (7257.44mm)	16,000 lbs. (7257.44mm)
Minimum GVWR	45,000 lbs. (20411.55 kgs)	50,000 lbs. (22679.5 kgs)
Front Tires	12:00 x 20-16 ply (304.8mm x 508mm 16 ply)	12:00 x 20-16 ply (304.8mm x 508mm 16 ply)

For complete specifications contact your Heil distributor or



THE HEIL CO.

Solid Waste Systems Division,
P.O. Box 8676, Chattanooga, TN 37411

All designs, specifications and components of the equipment described above are subject to change at the manufacturer's sole discretion at any time without advance 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 body.



HEIL FORMULA BODIES



FORMULA 8000

FRONT LOADER 1980 SPECIFICATIONS

	Model 8000-27	Model 8000-30	Model 8000-33	Model 8000-36
BODY SIZE	27 yd ³ (20.644m ³)	30 yd ³ (22.938m ³)	33 yd ³ (25.231m ³)	36 yd ³ (27.526m ³)
Length at Body Floor	200 ⁵ / ₈ in. (5095.88mm)	200 ⁵ / ₈ in. (5095.88mm)	236 ¹ / ₈ in. (5997.58mm)	236 ¹ / ₈ in. (5997.58mm)
Overall Body Length W/Tailgate	228 ¹ / ₈ in. (5794.38mm)	247 ⁵ / ₈ in. (6289.68mm)	263 ⁵ / ₈ in. (6696.08mm)	283 ¹ / ₈ in. (7191.38mm)
Width Inside	80 in. (2032.0mm)	80 in. (2032.0mm)	80 in. (2032.0mm)	80 in. (2032.0mm)
Width Outside Front	86 ¹ / ₄ in. (2190.75mm)	86 ¹ / ₄ in. (2190.75mm)	86 ¹ / ₄ in. (2190.75mm)	86 ¹ / ₄ in. (2190.75mm)
Width Overall	96 in. (2438.4mm)	96 in. (2438.4mm)	96 in. (2438.4mm)	96 in. (2438.4mm)
Height Above Chassis Frame	105 ³ / ₄ in. (2686.05mm)	105 ³ / ₄ in. (2686.05mm)	105 ³ / ₄ in. (2686.05mm)	105 ³ / ₄ in. (2686.05mm)
Height Above Chassis Frame to Door Raised	189 in. (4800.6mm)	189 in. (4800.6mm)	189 in. (4800.6mm)	189 in. (4800.6mm)
C/G Empty from Front Head	58 in. (1473.2mm)	72 in. (1828.8mm)	73 in. (1854.2mm)	74 in. (1879.6mm)
C/G Payload	146 in. (3708.4mm)	152 in. (3860.8mm)	165 in. (4191.0mm)	176 in. (4470.4mm)
Weight (approx.)	17,000 lbs. (7711.2 kgs)	17,100 lbs. (7756.56 kgs)	18,000 lbs. (8164.8 kgs)	18,100 lbs. (8210.16 kgs)
Hopper Opening	80 in. (3032mm) wide x 87 in. (2209.8mm) long	80 in. (3032mm) wide x 87 in. (2209.8mm) long	80 in. (3032mm) wide x 87 in. (2209.8mm) long	80 in. (3032mm) wide x 87 in. (2209.8mm) long
Arm Capacity (Total)	8,000 lbs. (3628.72 kgs)	8,000 lbs. (3628.72 kgs)	8,000 lbs. (3628.72 kgs)	8,000 lbs. (3628.72 kgs)
Arm Width Inside	88 ¹ / ₂ in. (2247.9mm)	88 ¹ / ₂ in. (2247.9mm)	88 ¹ / ₂ in. (2247.9mm)	88 ¹ / ₂ in. (2247.9mm)
Lift Fork Width Outside	77 ³ / ₄ in. (1974.85mm)	77 ³ / ₄ in. (1974.85mm)	77 ³ / ₄ in. (1974.85mm)	77 ³ / ₄ in. (1974.85mm)
CHASSIS REQUIREMENTS				
C/T Tandem Axle	*143-158 in.	*145-158 in.	*160-175 in.	*165-175 in.
Front Axle Rating	16,000 lbs. (7257.6 kgs)	16,000 lbs. (7257.6 kgs)	16,000 lbs. (7257.6 kgs)	16,000 lbs. (7257.6 kgs)
Minimum GVWR	45,000 lbs. (20412.0 kgs)	45,000 lbs. (20412.0 kgs)	50,000 lbs. (22680.0 kgs)	50,000 lbs. (22680.0 kgs)
Front Tires	12:00 x 20-16 ply (304.8mm x 508mm 16 ply)	12:00 x 20-16 ply (304.8mm x 508mm 16 ply)	12:00 x 20-16 ply (304.8mm x 508mm 16 ply)	12:00 x 20-16 ply (304.8mm x 508mm 16 ply)
ALL 8000 MODELS				
HYDRAULICS				
Pump	22 G.P.M. (83.28 liters) @ 1,000 RPM @ 0 PSI			
Filter	25-Micron Return Line w/Replacement Element-Maximum Operating Pressure 2500 PSI (175.77 kgs/cm ²)			
CYLINDERS		CYLINDERS		
Lift Arm	2-5 ¹ / ₂ in. (139.7mm) bore x 27 in. (685.8mm) Stroke	Slave	1-4 in. (101.6mm) bore x 18 ³ / ₄ in. (476.25mm) Stroke	
Fork	2-3 in. (76.2mm) bore x 23 ⁷ / ₁₆ in. (595.3mm) Stroke	Ejector Model 8000-27-30	1-8 ⁷ / ₁₆ in. (214.31mm) bore x 127 in. (3225.8mm) Stroke Telescopic	
Top Door	1-4 ¹ / ₂ in. (114.3mm) bore x 27 in. (685.8mm) Stroke	Ejector Model 8000-33-36	1-8 ⁷ / ₁₆ in. (214.31mm) bore x 170 in. (4318.0mm) Stroke Telescopic	
Tailgate	2-3 in. (76.2mm) bore x 22 ¹³ / ₁₆ in. (579.44mm) Stroke			
STEEL GAUGES		STEEL GAUGES		
Sides	10 ga. (3.162mm)	Ejector Panel	11 ga. (2.784mm)	
Roof & Top Door	11 ga. (2.784mm)	Floor	1/4 in. (6.350mm) Under Hopper Area 3/16 in. (4.763mm) Body Floor	
Bustle Tailgate	10 ga. (3.162mm)			
OPTIONAL EQUIPMENT	Side Shields, Cab Protector, Cab Scope, Washout Tank, Air PTO, Outside Tailgate and Ejector Controls, and Cable Controls.			



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*CONSULT FACTORY FOR SPECIFIC APPLICATION
Note: Specifications are subject to change without notice.