



Formula[®] 7000 Split Body



Innovative Solution
For a Changing World.

HEIL ENVIRONMENTAL
INDUSTRIES, LTD.

A DOVER INDUSTRIES COMPANY

Heil Formula® 7000

The Industry's Only Automate

Do Two Things At Once.

Double the productivity of your refuse and recycle routes by collecting both at the same time. One operator...one vehicle...two commodities – refuse and recyclables, refuse and yard waste, recyclables and yard waste, or two recyclable commodities. Whatever combination fits your needs, the Formula® 7000 Split Body can handle both with one pass down the street, saving time, labor, fuel, and extra vehicle costs. When used with a split container, the 7000 Split Body automatically diverts one commodity (refuse) into the lower body compartment and the other (recyclables) into the top compartment.

Proven Success.

Collecting refuse and recyclables has never been so easy or cost efficient. Introduced in California in the early 1990s, the Formula® 7000 Split Body has achieved landfill diversion rates well over 50%, easily reaching mandated diversion levels while saving on landfill fees.



Material Flow

As seen in this cross section graphic of the hopper area, refuse flows to the bottom compartment while recyclables are confined on the top floor panel. The packer panels are interconnected, and pack simultaneously.



7000 Split Body Automated Co-Collection Vehicle.

Proven Heil Reliability.

At the heart of the the Heil Formula® 7000 Split Body is the same technology that has made the standard Formula® 7000 a fixture in automated refuse collection since 1981. With 8-second cycle times and a lift capacity of 2,000 pounds, the Formula® 7000 lift mechanism is fast, durable, and dependable. One operator can collect up to 1,200 homes per day, seldom leaving the safety and comfort of the cab.

Customers presently using standard Formula® 7000 automated units can also have their current bodies modified into the split body configuration, taking the next step in automated refuse collection by taking advantage of co-collection technology.

Heil engineers continuously seek ways to improve Heil products, and the Formula® 7000 Split Body is no exception. With almost two decades of automated collection experience behind it, the Formula® 7000 Split Body is both a leader in innovative design and the benchmark of proven automated performance.



Hopper Divider

When used with a split container, the divider effectively diverts refuse into the lower body and recyclables into the upper body. The unique design means very little cross contamination of commodities.

Dual "Bubble" Tailgates

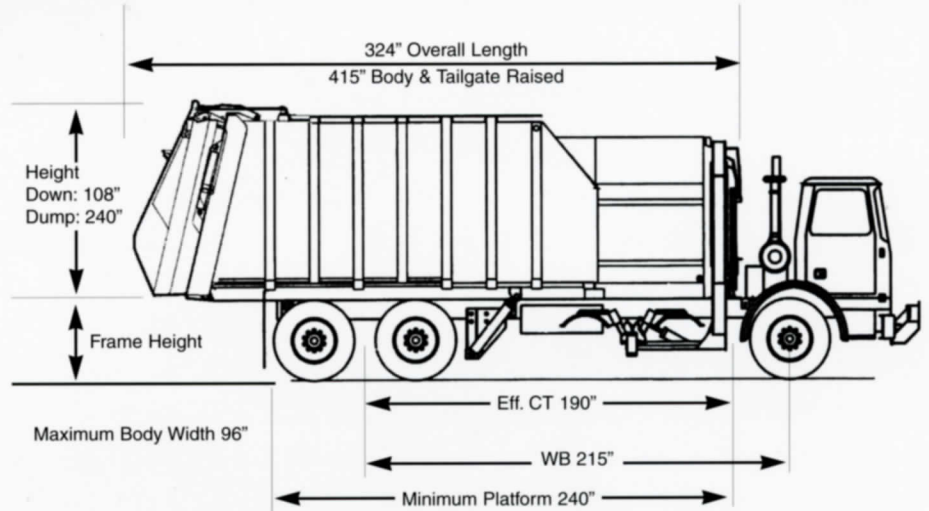
Individual tailgates open independently of each other, allowing the operator to dump either load. Also available is an inner/outer tailgate design – the inner (top) tailgate is opened after the lower body has been dumped.



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

Formula® 7000 "SB" Split Body

Automated
Side Loader



CONSTRUCTION SPECIFICATIONS		
High Tensile Steel	Thickness	mm
Body sides	11 ga.	3.0
Body roof	12 ga.	2.4
Body floor	7 ga.	4.5
Middle Body Floor	7 ga.	4.5
Body longitudinal	7 ga.	4.5
Floor support members	11 ga.	3.0
Tailgate rear panel	12 ga.	2.6
Hopper floors (100,000 PSI yield)	7 ga.	4.5
Hopper sides	7 ga.	4.5
Packing ram face	1/4 in.	6.3
Spill shield	11 ga.	3.0

• Units equipped with *optional* Piston Pump and Proportional Controls have 5 year warranty on all cylinders and 2 year lift structure warranty.

- Chassis must have front engine crankshaft adapter for optional piston pump and front drive gear pumps.
- Diesel engines require full variable-speed governor.
- Specify chassis, engine and transmission upon entering order.

LIFT SPECIFICATIONS	
Lift loading capacity	2,000 lbs. (907 Kg)
Cycle time	8 seconds approximate
Frame	80,000 psi yield
Reach	72 in. (1270 mm) from side of body to centerline of 90 gal. container
Ground clearance	13 in. (330 mm) empty
Overall width	Within 96" (2438 mm) legal limit with lift in storage position
Weight	1,500 lbs. (680 Kg) approximate
Mounting length	18 in. (457 mm)
Controls	In-cab, three lever air (Electronic Proportional - optional)



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HYDRAULIC SPECIFICATIONS	
PUMP	
Type: PTO drive (standard)	Single Gear (Front mount piston optional)
Maximum operating pressure	2500 psi (17,237 KPA) (170 BAR)
Working RPM	1500 approx. (1000 with 27 GPM piston option)
GPM at working RPM	23 GPM (87 liters/min.) approximate
OIL RESERVOIR	
Tank capacity	40 gallons (151 liters)
Oil System gross capacity	56 gallons (212 liters)
Filters	Return line 10 micron, 140 micron suction strainer
VALVES	
Shut-off	Suction line, optional
Packing control	Electric over air operated single spool
Hoist and Tailgate	In-Cab air operated
CYLINDERS (Bore x Stroke)	
Packer Blade	(1) 5 1/2" x 54"
Body Hoist	(2) 4" x 56"
Tailgate - Upper	(1) 3" x 18.4"
- Lower	(2) 3" x 25.2"
- Lock	(1) 3" x 3.6"
Loader - Reach	(1) 3" x 30.5"
- Grab	(1) 3" x 8"
- Lift	(1) 3" x 27.6"

BODY WEIGHTS & MEASURES	
Body	16,700 lbs. (7575 kg)
Loader	1,500 lbs (680 kg)
TOTAL	18,200 lbs. (8255 kg)
BODY VOLUMES	
Upper Cell Body	14.0 cu. yd.
Upper Cell Tailgate	0.9 cu. yd.
TOTAL UPPER CELL	14.9 cu. yd.
Lower Cell Body	17.3 cu. yd.
Lower Cell Tailgate	1.2 cu. yd.
TOTAL LOWER CELL	18.5 cu. yd.
TOTAL ALL	33.4 cu. yd.
HOPPER VOLUMES	
Upper Cell	0.7 cu. yd.
Lower Cell	1.2 cu. yd.
TOTAL HOPPER VOLUMES	1.9 cu. yd.
GROSS VOLUME	35.3 cu. yd.

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 time of shipment.