All the features you expect and more.
We've made major improvements in our front loader because of our ongoing response to customer suggestions and our continuing commitment to build the best front loader in the industry.

**Stronger body.**
The Heil Full Pack is stronger. A lot stronger. The body is constructed of high strength steel with extra reinforcing in high stress sections that need it the most—body sides, roof, hopper floor and bustle tailgate. The result? A packer body designed to outlast and outpack the competition with solid quality Heil is famous for.

**Superior design.**
We use four (4) arm bearing blocks, not two. And our entire arm assembly is bolted in place with arm cylinders located outside the body for easier maintenance. Ejector rails have been raised.

**Feature for feature, the best**

**Strong 8,000 lb. arms.**
Arms have a gross lifting capacity of 8,000 lbs. with four arm-bearing blocks. Cylinders are induction hardened, cushioned and chrome-plated for long life.

**Bonus payloads.**
The bustle tailgate is a standard feature—not an option. Curved surface rolls and compacts material high into body for maximum payloads.

**Hydraulic top door and side shields.**
Top door and side shields open automatically together as lift arms are raised. This reduces material blowing and spillage. Large hopper opening.
raised 3 inches off the floor to minimize shoe and floor wear. And body longitudinals mount directly to chassis frame with spring tie downs. These and other changes will help cut your maintenance costs.

Cushioned, chrome-plated cylinders.
All cylinder rods and sleeves are chrome-plated for extended life and rust protection. The cylinders on the hopper door and arm assembly are induction hardened and cushioned for quieter operation and longer cylinder life.

More body payloads.
With the Heil Full Pack, you can pack it full. And keep on packing. That's because our curved bustle tailgate rolls, packs and forces material high up into the body until it is completely filled. The result is tight, high-profile compaction and bonus payloads on every trip to the landfill.

Bolt on arm assembly.
Arm assembly is bolted directly to torque tube for easy replacement. No welding or burning is necessary.

Best Full Pack in the industry.

Hydraulic oil tank.
Large 74 gallon tank provides maximum hydraulic system cooling for longer component life. Sight gauge, return line 10 micron filter and shutoff valve are standard.

In-cab hydraulic controls.
Arms, forks, ejection, packing, top door and tailgate functions are controlled by simple, easy to operate in-cab cable controls.

- Available in 28, 31, 34 and 36 cubic yard bodies.
  - Access ladder to top of body.
  - Front sump with 3" drain.
- Indicator light in cab when top door, lift arm and/or tailgate is open.
  - Backup alarm.
  - Meets all ANSI specifications.
  - Mud flaps.
HEIL HALF/PACK FRONT LOADER
Low maintenance, high productivity and proven performance.

HEIL FORMULA 4000
Best mid-range rear loader with proven performance and solid construction. Four body sizes: 16, 18, 20 and 25 yard bodies.

HEIL FORMULA 5000
The industry's leading high compaction rear loader. Four body sizes available: 18, 20, 25 and 32 yard bodies.

HEIL 7000 SIDE LOADER
All you need is an operator. Load and go in 8 seconds. Collects up to 1,100 homes per day. Two body sizes available: 24 and 33 cubic yards.

HEIL THE HEIL CO.
Solid Waste Systems
P.O. Box 8676 • Chattanooga, TN 37411
Telephone (615) 899-9100
### Construction Specifications

<table>
<thead>
<tr>
<th>Material</th>
<th>Thickness</th>
<th>mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body sides</td>
<td>11 ga.</td>
<td>3.037</td>
</tr>
<tr>
<td>Body roof and top door</td>
<td>11 ga.</td>
<td>3.037</td>
</tr>
<tr>
<td>Body floor</td>
<td>1/4 in.</td>
<td>6.350</td>
</tr>
<tr>
<td>Body longitudinal</td>
<td>8 in.</td>
<td>203.2</td>
</tr>
<tr>
<td>Floor support members</td>
<td>3 in.</td>
<td>76.2</td>
</tr>
<tr>
<td>Tailgate sides</td>
<td>11 ga.</td>
<td>3.037</td>
</tr>
<tr>
<td>Hopper floor</td>
<td>1/4 in.</td>
<td>6.350</td>
</tr>
<tr>
<td>Hopper sides</td>
<td>11 ga.</td>
<td>3.037</td>
</tr>
<tr>
<td>Packing panel</td>
<td>7 ga.</td>
<td>4.554</td>
</tr>
<tr>
<td>Forks</td>
<td>1 1/2 in.</td>
<td>38.100</td>
</tr>
<tr>
<td>Side shields</td>
<td>1/4 in.</td>
<td>6.350</td>
</tr>
</tbody>
</table>

(1) 80,000 psi minimum yield. (2) 50,000 psi minimum yield.

### Hydraulic Specifications

<table>
<thead>
<tr>
<th>PUMP</th>
<th>Gear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum operating pressure</td>
<td>1800 psi (12,410 kPa)</td>
</tr>
<tr>
<td>Working rpm</td>
<td>1200 rpm, approximate</td>
</tr>
<tr>
<td>GPM at working rpm</td>
<td>37 gpm (140.06 liters/min.)</td>
</tr>
</tbody>
</table>

### Oil Reservoir

- Tank capacity: 74 gallons (280.12 liters)
- Filters: 10 micron return line with replaceable element

### Valve Specifications

- Shut-off: suction line
- Arms and forks: sectional control
- Ejector and tailgate raise: sectional control

### Performance Specifications

- Arm capacity (Total): 8000 Lbs. (3628.7 kg)
- Fork and arm cycle time: 30 to 32 seconds
- Packing cycle time: 60 seconds
- Arm width inside: 86 1/4 in. (2197.1 mm)
- Lift fork width outside: 77 1/2 in. (1968.5 mm)
- Hopper loading width: 80 in. (2032.0 mm)
- Hopper loading length: 85 in. (2159.0 mm)
- Side shield radius: 60 in. (1524.0 mm)

### Body Specifications

#### Model | Capacity | Overall Length | Overall Length | Gross Weight | Height Above Frame |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HFP-28</td>
<td>27.31</td>
<td>384</td>
<td>428.5</td>
<td>19,000</td>
<td>119</td>
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<tr>
<td>HFP-31</td>
<td>29.66</td>
<td>402</td>
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<td>19,200</td>
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<tr>
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<tr>
<td>HFP-36</td>
<td>35.36</td>
<td>445</td>
<td>475</td>
<td>20,500</td>
<td>137</td>
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</table>

### Cylinder Specifications

#### Pack/1 Telescopic

<table>
<thead>
<tr>
<th>Model</th>
<th>Bore</th>
<th>Stroke</th>
<th>Bore</th>
<th>Stroke</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFP-28</td>
<td>91.4</td>
<td>241.3</td>
<td>5</td>
<td>127.0</td>
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<tr>
<td>HFP-31</td>
<td>91.4</td>
<td>241.3</td>
<td>4</td>
<td>101.6</td>
</tr>
<tr>
<td>HFP-34</td>
<td>91.4</td>
<td>199</td>
<td>4</td>
<td>101.6</td>
</tr>
<tr>
<td>HFP-36</td>
<td>91.4</td>
<td>199</td>
<td>4</td>
<td>101.6</td>
</tr>
</tbody>
</table>

### Chassis Requirements

- Diesel engines require full variable-speed governor.
- Specify chassis, engine and transmission upon entering order.
- Any truck requiring special alterations, moving battery boxes, air tanks, etc., will not be made until a letter authorizing changes is received by the Heil Company.

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**NOTE:** 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.

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SWS-74197-1066