

# Heil® Half/Pack® Specifications

| Recommended Chassis Requirements             |  |                                       | Standard                                 |   |        |           | Sierra                                   |   |        |           | Freedom                                  |   |        |           | LowRider                                 |   |        |     |     |  |  |
|--|--|---------------------------------------|--|---|--------|-----------|--|---|--------|-----------|--|---|--------|-----------|--|---|--------|-----|-----|--|--|
| <b>Body Specifications</b>                   | Body Capacity                                  | yd <sup>3</sup>                       | 20                                       | 23  | 28     | 32        | 20                                       | 23  | 28     | 32        | 20                                       | 23  | 28     | 32        | 20                                       | 23  | 28     | 32  |     |  |  |
|  | Hopper Capacity                                | yd <sup>3</sup>                       | 12                                       | 12  | 12     | 12        | 12                                       | 12  | 12     | N/A       | 12                                       | 12  | 12     | N/A       | 10                                       | 10  | 10     | N/A |     |  |  |
|  | Gross Capacity                                 | yd <sup>3</sup>                       | 32                                       | 35  | 40     | 44        | 32                                       | 35  | 40     | N/A       | 32                                       | 35  | 40     | N/A       | 30                                       | 33  | 38     | N/A |     |  |  |
|  | Gross Weight (approx.)                         | lbs.                                  | 18,000                                   | 18,100  | 19,300 | 20,000    | 16,300                                   | 16,400  | 17,100 | N/A       | 15,000                                   | 15,100  | 15,800 | N/A       | 13,750                                   | 13,950  | 15,350 | N/A |     |  |  |
|  | (% Lighter Than Standard 28yd Half Pack)       |                                       |  | 7%  | 6%     | 0%        | -4%                                      | 16%   | 15%    | 11%       | N/A                                      | 22%   | 22%    | 18%       | N/A                                      | 29%   | 28%    | 25% | N/A |  |  |
|  | Overall Length (Arms down, forks fully tucked) | in.                                   | 365                                      | 377   | 409    | 422       | 365                                      | 377   | 409    | N/A       | 364                                      | 383   | 415    | N/A       | 371                                      | 390   | 422    | N/A |     |  |  |
|  | Overall Width                                  | in.                                   | 96                                       |   |        |           | 96                                       |   |        |           | N/A                                      | 96  |        |           |  | N/A   | 96     |     |     |  |  |
|  | Overall Height                                 | Arms Down                             | in.                                      | 108   |        |           |  | 108   |        |           |  | N/A   | 107    |           |  |   | N/A    | 97  |     |  |  |
|  |  | Arms Up                               | in.                                      | 120   |        |           |  | 120   |        |           |  | N/A   | 120    |           |  |   | N/A    | 120 |     |  |  |
|  | Hopper Opening                                 | in.                                   | 81x94                                    |   |        |           | 81x94                                    |   |        |           | N/A                                      | 81x94   |        |           |  | N/A   | 83x95  |     |     |  |  |
| Body Drain Standard                          |  | Yes                                   |  |   |        | No        |  |   |        |           | Yes                                      |   |        |           |  | Yes   |        |     |     |  |  |
| <b>Hydraulic Specifications</b>              | Pump   | Type                                  | Single Vane                              |   |        |           | Single Vane                              |   |        |           | Single Vane                              |   |        |           | N/A                                      |   |        |     |     |  |  |
|  |  | Maximum Operating Pressure            | psi                                      | 2,500   |        |           |  | 2,500   |        |           |  | 2,500   |        |           |  | N/A   |        |     |     |  |  |
|  |  | Working RPM (Throttle Advance)        |  | 1,350 RPM   |        |           |  | 1,350 RPM   |        |           |  | 1,350 RPM   |        |           |  | N/A   |        |     |     |  |  |
|  |  | Flow at Working RPM                   |  | 50 GPM  |        |           |  | 50 GPM  |        |           |  | 50 GPM  |        |           |  | N/A   |        |     |     |  |  |
|  | Oil Reservoir                                  | Tank Capacity                         | gal.                                     | 51  |        |           |  | 51  |        |           |  | 51  |        |           |  | N/A   |        |     |     |  |  |
|  |  | Filters                               |  | 3 micron return filter with in-cab monitor<br>100 mesh reusable suction screen  |        |           |  | 3 micron return filter with in-cab monitor<br>100 mesh reusable suction screen  |        |           |  | 3 micron return filter with in-cab monitor<br>100 mesh reusable suction screen  |        |           |  | N/A   |        |     |     |  |  |
|  | Valves   | Body Valve Type                       |  | Air over Hydraulic, Multi-section stack valve,<br>55 GPM @ 2,500 PSI relief valve to prevent<br>overload damage                           |        |           |  | Air over Hydraulic, Multi-section stack valve,<br>55 GPM @ 2,500 PSI relief valve to prevent<br>overload damage                           |        |           |  | Air over Hydraulic, Multi-section stack valve,<br>55 GPM @ 2,500 PSI relief valve to prevent<br>overload damage                           |        |           |  | N/A   |        |     |     |  |  |
|  |  | Tailgate Valve Type                   |  | Electric over Hydraulic manifold, Multi-section<br>stack valve combination, 13 GPM # 2,500 psi<br>relief valve to prevent overload damage |        |           |  | Electric over Hydraulic manifold, Multi-section<br>stack valve combination, 13 GPM # 2,500 psi<br>relief valve to prevent overload damage |        |           |  | Electric over Hydraulic manifold, Multi-section<br>stack valve combination, 13 GPM # 2,500 psi<br>relief valve to prevent overload damage |        |           |  | N/A   |        |     |     |  |  |
| <b>Hydraulic Specifications</b>              | Pump   | Type                                  | Load Sensing HAWE Piston Pump            |   |        |           | Load Sensing HAWE Piston Pump            |   |        |           | Load Sensing HAWE Piston Pump            |   |        |           | Load Sensing HAWE Piston Pump            |   |        |     |     |  |  |
|  |  | Maximum Operating Pressure            |  | 2,500   |        |           |  | 2,500   |        |           |  | 2,500   |        |           |  | 2,500   |        |     |     |  |  |
|  |  | Working engine RPM (Throttle Advance) |  | 1,250 RPM & 116% PTO  |        |           |  | 1,250 RPM & 116% PTO  |        |           |  | 1,250 RPM & 116% PTO  |        |           |  | 1,250 RPM & 116% PTO  |        |     |     |  |  |
|  |  | Flow at Working RPM                   |  | 50 GPM  |        |           |  | 50 GPM  |        |           |  | 50 GPM  |        |           |  | 50 GPM  |        |     |     |  |  |
|  | Oil Reservoir                                  | Tank Capacity                         |  | 51 gal  |        |           |  | 51 gal  |        |           |  | 51 gal  |        |           |  | 51 gal  |        |     |     |  |  |
|  |  | Filters                               |  | 3 micron return filter with in-cab monitor, 100 mesh<br>reusable suction screen   |        |           |  | 3 micron return filter with in-cab monitor, 100<br>mesh reusable suction screen   |        |           |  | 3 micron return filter with in-cab monitor, 100<br>mesh reusable suction screen   |        |           |  | 3 micron return filter with in-cab monitor, 100<br>mesh reusable suction screen   |        |     |     |  |  |
|  | Valves   | Body Valve Type                       |  | Electric over hydraulic manifold, Multi-section stack<br>valve combination, 50 GPM @ 2,500 psi relief valve<br>to prevent overload damage |        |           |  | Electric over hydraulic manifold, Multi-section<br>stack valve combination, 50 GPM @ 2,500<br>psi relief valve to prevent overload damage |        |           |  | Electric over hydraulic manifold, Multi-section<br>stack valve combination, 50 GPM @ 2,500 psi<br>relief valve to prevent overload damage |        |           |  | Electric over hydraulic manifold, Multi-section<br>stack valve combination, 50 GPM @ 2,500<br>psi relief valve to prevent overload damage |        |     |     |  |  |
|  |  | Tailgate Valve Type                   |  | Electric over hydraulic manifold, Multi-section stack<br>valve combination, 13 GPM @ 2,500 psi relief valve<br>to prevent overload damage |        |           |  | Electric over hydraulic manifold, Multi-section<br>stack valve combination, 13 GPM @ 2,500 psi<br>relief valve to prevent overload damage |        |           |  | Electric over hydraulic manifold, Multi-section<br>stack valve combination, 13 GPM @ 2,500 psi<br>relief valve to prevent overload damage |        |           |  | Electric over hydraulic manifold, Multi-section<br>stack valve combination, 13 GPM @ 2,500<br>psi relief valve to prevent overload damage |        |     |     |  |  |
| <b>Performance Specifications</b>            | Compaction Force                               | lbs.                                  | 117,000                                  |   |        |           | 117,000                                  |   |        |           | 110,000                                  |   |        |           | 117,000                                  |   |        |     |     |  |  |
|  |  | Arm Cycle Time                        | Up                                       | idle - 10-12 sec - 1,200 RPM - 7-8 sec  |        |           |  | idle - 10-12 sec - 1,200 RPM - 7-8 sec  |        |           |  | idle - 10-12 sec - 1,200 RPM - 7-8 sec  |        |           |  | idle - 9-11 sec - 1,200 RPM - 5-6 sec   |        |     |     |  |  |
|  | Complete                                       |                                       | idle - 20-23 sec - 1,200 RPM - 14-17 sec |   |        |           | idle - 20-23 sec - 1,200 RPM - 14-17 sec |   |        |           | idle - 20-23 sec - 1,200 RPM - 14-17 sec |   |        |           | idle - 18-21 sec - 1,200 RPM - 11-14 sec |   |        |     |     |  |  |
|  | Packer Cycle Time                              |                                       | 18-22 sec                                |   |        |           | 18-22 sec                                |   |        |           | 18-22 sec                                |   |        |           | 18-22 sec                                |   |        |     |     |  |  |
|  | Arm Lifting Capacity                           | lbs.                                  | 8,000                                    |   |        |           | 8,000                                    |   |        |           | 8,000                                    |   |        |           | 5,500 (8,000 optional)                   |   |        |     |     |  |  |
| Clearance-Stop-Tail-Back-Up-Lamp             |  | FMVSS 108                             |  |   |        | FMVSS 108 |  |   |        | FMVSS 108 |  |   |        | FMVSS 108 |  |   |        |     |     |  |  |
| <b>Odyssey Controls (Electric/Hydraulic)</b> |  |                                       |  |   |        |           |  |   |        |           |  |   |        |           |  |   |        |     |     |  |  |



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