For more than 40 years, Danfoss has been developing state-of-the-art components and systems for mobile machinery used in off-highway operations around the world.

We have become a preferred supplier by offering the best of what really matters: The hardware inside your vehicle application.

The H1 range is built around an advanced control and available in a wide range of displacements. It is designed for quality and reliability and offers expanded functionality, greater total efficiency, and easy installation.

All H1 control and sensor options are PLUS+1® Compliant. PLUS+1® allows you to rapidly develop and customize electronic machine control. It opens up the future by combining machine controls and diagnostics in an integrated operating network.

**Features**

**Designed for quality and reliability**
- One design concept
- Single piece swash plate

**Installation and packaging benefits**
- Length optimized pump
- Minimum one clean side
- Higher corner HP / package size ratio
- Standardized connector interface
- Expanded functionality through PLUS+1®

**Wide range of controls**
- Electro-hydraulic controls:
  - Electrical Displacement Control (EDC)
  - Forward-Neutral-Reverse (FNR)
  - Non-Feedback Proportional Electric (NFPE)
- Automotive Control (AC)
- Fan Drive Control (FDC)
- Manual Displacement Control (MDC)
- Common control across entire family

**Expanded functionality**
- PLUS+1® Compliant control and sensor options
- Integral filtration available with integrated filter bypass sensors and switch

**Greater total efficiency**
- Minimized control losses
- Improved charge circuit
- Lower control pressure for less power consumption

Comprehensive technical literature online at powersolutions.danfoss.com
## Technical Specifications

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Size 115</th>
<th>Size 130</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Displacement</strong> cm³ [in³]</td>
<td>115.2 [7.03]</td>
<td>130.0 [7.93]</td>
</tr>
<tr>
<td><strong>Input speed</strong> min⁻¹ (rpm)</td>
<td>Minimum 500</td>
<td>Maximum 3400</td>
</tr>
<tr>
<td></td>
<td>Rated 3200</td>
<td></td>
</tr>
<tr>
<td><strong>System pressure</strong> bar [psi]</td>
<td>Max. working* 450 [6525]</td>
<td>Maximum 480 [6962]</td>
</tr>
<tr>
<td></td>
<td>Min. low loop 10 [150]</td>
<td></td>
</tr>
<tr>
<td><strong>Case pressure</strong> bar [psi]</td>
<td>Rated 3.0 [40]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Maximum 5.0 [75]</td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong> (without PTO and filter), kg [lb]</td>
<td>83 [187]</td>
<td></td>
</tr>
</tbody>
</table>

*Pressures above max. working pressure requires Danfoss approval.

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### Schematic

- **A/B** – System ports, Ø31.5 – 250 bar Split flange boss per ISO 6162
- **MA/MB** – System gauge ports, 9/16-18
- **M3, M6** – Charge gauge port, 9/16-18
- **M4, M5** – Servo gauge ports, 7/16-20
- **M14** – Case gauge port, 7/16-20
- **L2, L4** – Case drain ports, 1 5/16-12
- **S** – Charge inlet port, 1 5/8-12
- **1** – Connector DEUTSCH

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**Detailed technical information are available in the Technical Information Axial Piston Single Pumps, Size 115/130, BC00000198.**