Installation Drawings

Front End View

Left Side View

Power Curves (corrected per SAE J1995)

Gasoline

Natural Gas

Liquefied Petroleum Gas

For additional information Contact:

400 University Ct • Blackwood NJ 08012
856/228-7298 • Fax:856/228-5531
www.edi-dist.com
DSG-423 EFI
2.3-Litre 4-Cylinder

Standard Features / Benefits

Set-for-life valvetrain
Deep skirted, ribbed cylinder block casting for rigidity
Aluminum AA319 cylinder block cast with the Cosworth process, including cast-in-place iron cylinder liners.
Chain driven dual camshafts with automatic tensioning system
Structural front cover and oil pan
Alternate fuel ready valvetrain components
Individual coil on plug electronic ignition
Cast aluminum camshaft cover to ensure warp-free sealing
Sintered metal connecting rods
Nodular iron crankshaft, featuring five main bearings, eight counterweights
Broadband knock sensor, calibrated for individual cylinder use
Gasoline Sequential Port Fuel Injection
Closed loop fuel control for all fuels
Electronic engine management system with built-in engine protection against detonation, high coolant temperature, low oil pressure, over speed shutdown and starter lockout
Next generation governing – discrete speeds, variable speeds, drive by wire – using the highest quality components.

Specifications

<table>
<thead>
<tr>
<th>Engine Type</th>
<th>I-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bore and Stroke</td>
<td>3.44&quot; x 3.7&quot; (87mm x 94mm)</td>
</tr>
<tr>
<td>Displacement</td>
<td>2.3 Litre (140 CID)</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>9.7:1</td>
</tr>
<tr>
<td>Oil Capacity</td>
<td>4 qts. including filter</td>
</tr>
<tr>
<td>Net Weight</td>
<td>290 Lbs. with accessories (132 Kgs.)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>L 23&quot; x W 22.4&quot; x H 31&quot; (584 mm x 569 mm x 787 mm)</td>
</tr>
</tbody>
</table>

Gasoline (corrected per SAE J1995)

<table>
<thead>
<tr>
<th>Fuel Specification</th>
<th>87 A.K.I.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intermittent Gross Power</td>
<td>93 HP @ 3200 RPM (69 kW @ 3200 RPM)</td>
</tr>
<tr>
<td>Continuous Gross Power</td>
<td>79 HP @ 3200 RPM (59 kW @ 3200 RPM)</td>
</tr>
<tr>
<td>Intermittent Gross Torque</td>
<td>156 Ft. Lbs. @ 3200 RPM (208 Nm @ 3200 RPM)</td>
</tr>
<tr>
<td>Continuous Gross Torque</td>
<td>130 Ft. Lbs. @ 3200 RPM (174 Nm @ 3200 RPM)</td>
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</table>

Natural Gas (corrected per SAE J1995)

<table>
<thead>
<tr>
<th>Fuel Specification</th>
<th>1050 BTU/FT3</th>
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</thead>
<tbody>
<tr>
<td>Intermittent Gross Power</td>
<td>84 HP @ 3200 RPM (63 kW @ 3200 RPM)</td>
</tr>
<tr>
<td>Continuous Gross Power</td>
<td>72 HP @ 3200 RPM (54 kW @ 3200 RPM)</td>
</tr>
<tr>
<td>Intermittent Gross Torque</td>
<td>140 Ft. Lbs. @ 3200 RPM (189 Nm @ 3200 RPM)</td>
</tr>
<tr>
<td>Continuous Gross Torque</td>
<td>116 Ft. Lbs. @ 3200 RPM (157 Nm @ 3200 RPM)</td>
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</table>

Liquefied Petroleum Gas (corrected per SAE J1995)

<table>
<thead>
<tr>
<th>Fuel Specification</th>
<th>HD-5</th>
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</thead>
<tbody>
<tr>
<td>Intermittent Gross Power</td>
<td>91 HP @ 3200 RPM (68 kW @ 3200 RPM)</td>
</tr>
<tr>
<td>Continuous Gross Power</td>
<td>77 HP @ 3200 RPM (57 kW @ 3200 RPM)</td>
</tr>
<tr>
<td>Intermittent Gross Torque</td>
<td>153 Ft. Lbs. @ 3200 RPM (207 Nm @ 3200 RPM)</td>
</tr>
<tr>
<td>Continuous Gross Torque</td>
<td>127 Ft. Lbs. @ 3200 RPM (172 Nm @ 3200 RPM)</td>
</tr>
</tbody>
</table>

Options

- Engine Cooling Fans
  - 15" (381mm) diameter suction
  - 15" (381mm) diameter pusher
- Flywheels
  - 10" (254mm) SAE over-center clutch
  - flat face flywheel
- Flywheel Housings
  - SAE #4
- Exhaust Manifold
  - rear dump down
- Power Steering Pump
- Wiring Harnesses
- Discrete Speed Switch
- Variable Speed Hand Throttle
- Variable Speed Foot Pedal
- Engine Mounts
  - Automotive with insulators
  - Open power unit
- Electronic Instrument Panel, Gauges
- Three Way Catalyst / Muffler

Transmissions

5R55E electronic shift

Emissions Information

California Air Resources Board (CARB)
Environmental Protection Agency (EPA)
Emission Certified Packages Available.

Warranty

Contact Engine Distributors, Inc for warranty details.