R-series

200 PS [147kW] per ISO 8665

Technical Descriptions

**Engine**
- Cast Iron engine cylinder block
- Aluminum head
- Nine balance weight crankshaft
- Oil cooled pistons
- I4, 16-valve DOHC
- Hydraulic lash adjusters
- Balance shaft
- Integrated water jacket
- Hydraulic timing chain tensioner
- Single serpentine belt system
- Drive belt auto tensioner

**Fuel System**
- Common rail direct injection (CRDi)- New Solenoid injectors with 2,000 bar pressure
- Fuel filter with sensor detecting water in fuel
- Electric low pressure pump
- Dual pressure control valve
- Low and high pressure fuel pumps

**Electrical System**
- 12 volt system and 180A alternator
- Auxiliary engine stop button
- Glow plugs for a trouble-free cold start
- NMEA2000 Converter (Optional)
- Electronic control system (Optional)

**Engine Operating Indicator (EOI)**
- Engine self protection and diagnosis
- Displays CAN information
- Displays engine diagnostic error codes
- Audible alarm and control lamps

**Scope of Supply**

1. **RATINGS**
   - 53 LIGHT DUTY COMMERCIAL
   - 54 SPECIAL PLEASURE DUTY
   - 55 SPECIAL LIGHT DUTY COMMERCIAL
   - 65 PLEASURE DUTY

2. **GAUGES**
   - KEY SWITCH ASSEMBLY, TACHOMETER, COOLANT TEMPERATURE, VOLTmeter and TRIM GAUGE FOR STERNDRIVE
   (Supply schedule may differ by market)

To find out more about configurations and accessories available, please contact your nearest Hyundai SeasAll dealer.
Specifications

<table>
<thead>
<tr>
<th>Engine type</th>
<th>R200S</th>
<th>R200P</th>
<th>R200J</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propulsion system</td>
<td>Sterndrive</td>
<td>Shaftdrive</td>
<td>Waterjet</td>
</tr>
<tr>
<td>Engine Duty Rating</td>
<td>Pleasure Duty (SS)</td>
<td></td>
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<tr>
<td>Configuration</td>
<td>4-Stroke, 16-Valve DOHC, E-VGT with Intercooler, Fresh Water Cooling</td>
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<tr>
<td>Output [PS (kW)]</td>
<td>200 (147)</td>
<td></td>
<td></td>
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<tr>
<td>Rated rpm</td>
<td>3,800</td>
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<tr>
<td>Cylinders</td>
<td>I4</td>
<td></td>
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<tr>
<td>Displacement [cc]</td>
<td>2,199</td>
<td></td>
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<tr>
<td>Bore X Stroke [mm]</td>
<td>85.4 X 96</td>
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<tr>
<td>Max. Torque @ rpm</td>
<td>44kg·m @ 2,000-2,600</td>
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<tr>
<td>Injection System</td>
<td>Common Rail Direct injection (CRDi) - Solenoid Injector</td>
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<tr>
<td>Alternator</td>
<td>12V-180A</td>
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<tr>
<td>Engine Diagnostics</td>
<td>YES</td>
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<tr>
<td>Fuel Consumption [L/h]</td>
<td>Max. 40</td>
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<tr>
<td>Dry Weight [kg]</td>
<td>APPROX. 280</td>
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</tr>
<tr>
<td>Flywheel</td>
<td>Hyundai Unique</td>
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<tr>
<td>Flywheel Housing (P/J type)</td>
<td>Borg Warner Flange</td>
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</tbody>
</table>

Dimensions (mm)

- **R200S** Bravo 3X Diesel

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![R200 Performance Curves](image)

- **R200P** ZF45A

- **R200J** ZF45C