12.7 Liter Light Duty Commercial Engine

The Electronic Unit Injection system delivers 600PS and 232kg·m of torque from the 12.7 liter in-line 6 cylinder engine.

The robustly-designed unit was specifically conceived as a light duty engine with the ability to serve the professional and commercial markets. It has stable performance at high load and responds well to sudden load changes.

Excellent power and torque in a wide rpm range proves Hyundai SeasAll’s diesel development capabilities are world-class and beats the performance of competition’s comparable models. Economy is assured by the state-of-the-art fuel management system featuring electronic unit injectors (EUI).

Engine
- 6 cylinder in-line, 24-valve OHC
- Cast iron cylinder block and cylinder head
- Gallery oil-cooled long lasting mono steel pistons
- Integrated water jacket
- Single serpentine belt system
- Drive belt auto tensioner

Engine Mounting
- Adjustable engine mounts (Optional)

Lubrication System
- Gear-driven engine oil pump
- Closed system with forced feeding
- Integrated oil-cooler in cylinder block
- Easily exchangeable oil filter cartridge
- Eco type oil filter
- Washable auxiliary cyclone oil filter
- Electric oil extraction pump

Fuel System
- Electronic Unit Injector (EUI)
- Gear-driven fuel pump
- Electronically controlled injection timing
- Fine fuel filter and water separator
- High pressure six-hole injector nozzles

Electrical System
- 24 volt - 90A alternator
- Auxiliary engine stop button
- Air heating system for a trouble-free cold start
- NMEA2000 Converter (Optional)
- 2 Pole system (Optional)

Cooling System
- Gear-driven seawater pump
- Seawater-cooled intercooler, heat exchanger
- Auxiliary connector for cabin heating
- Corrosion resistant material for seawater circuit
- Easily accessible rear mounted sea-water pump

Exhaust System
- Coolant cooled exhaust manifold
- Cast iron exhaust pipe
- WGT (Waste Gate Turbocharger)

Instrument Box Assembly
- Engine self-protection and diagnosis
- Displays CAN information
- Displays engine diagnostic error codes
- Audible alarm and control lamps
- Idle & PTO rpm adjustable switch

Air Inlet system
- Reusable air filter
- Intake Extension Kit(Optional)

Emissions
- IMO Tier II NOx

Scope of Supply

1. RATINGS

   S2 | MEDIUM DUTY COMMERCIAL

2. OPERATION MANUAL

3. INSTRUMENT BOX ASSEMBLY includes

   EOI BOX, RPM GAUGE and WIRING HARNESS

* Factory-installed option, ** Standard or optional depending on market.

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

<table>
<thead>
<tr>
<th>Engine type</th>
<th>L600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propulsion system</td>
<td>Shaftdrive &amp; Waterjet</td>
</tr>
<tr>
<td>Engine Duty Rating</td>
<td>Medium Duty(S2)</td>
</tr>
<tr>
<td>Configuration</td>
<td>4-Stroke, 24-Valve OHC WGT with Intercooler, Fresh Water Cooling</td>
</tr>
<tr>
<td>Output [PS (kW)]</td>
<td>600 (441)</td>
</tr>
<tr>
<td>Rated rpm</td>
<td>2,000</td>
</tr>
<tr>
<td>Cylinders</td>
<td>In-line 6</td>
</tr>
<tr>
<td>Displacement [cc]</td>
<td>12,736</td>
</tr>
<tr>
<td>Bore X Stroke [mm]</td>
<td>130 X 160</td>
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<tr>
<td>Compression Ratio</td>
<td>16 : 1</td>
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<tr>
<td>Max. Torque @ rpm</td>
<td>232kg·m @1,100 ~ 1,300 rpm</td>
</tr>
<tr>
<td>Injection System</td>
<td>Electronic Unit Injector (EUI)</td>
</tr>
<tr>
<td>Alternator</td>
<td>24V-80A</td>
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<tr>
<td>Engine Diagnostics</td>
<td>YES</td>
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<tr>
<td>Fuel Consump.[L/h]</td>
<td>116</td>
</tr>
<tr>
<td>Dry Weight (kg)</td>
<td>1,320</td>
</tr>
<tr>
<td>Flywheel</td>
<td>SAE 14</td>
</tr>
<tr>
<td>Flywheel Housing</td>
<td>SAE 1</td>
</tr>
</tbody>
</table>

### Performance Curves

- Torque
- Power
- Propeller Power Curve
- BSFC
- Propeller F.C. Curve
- F.C.

### Dimensions

![Diagram](image-url)