

S270

270PS [199kW] acc. to ISO 8665



Our piezo controlled common rail injection system delivers 270PS and 57.6kgf·m torque from the 3.0 liter V6 CRDi engine. The advanced design also makes it ultralight, quiet and fuel-efficient with extremely compact dimensions.

Durability and Reliability

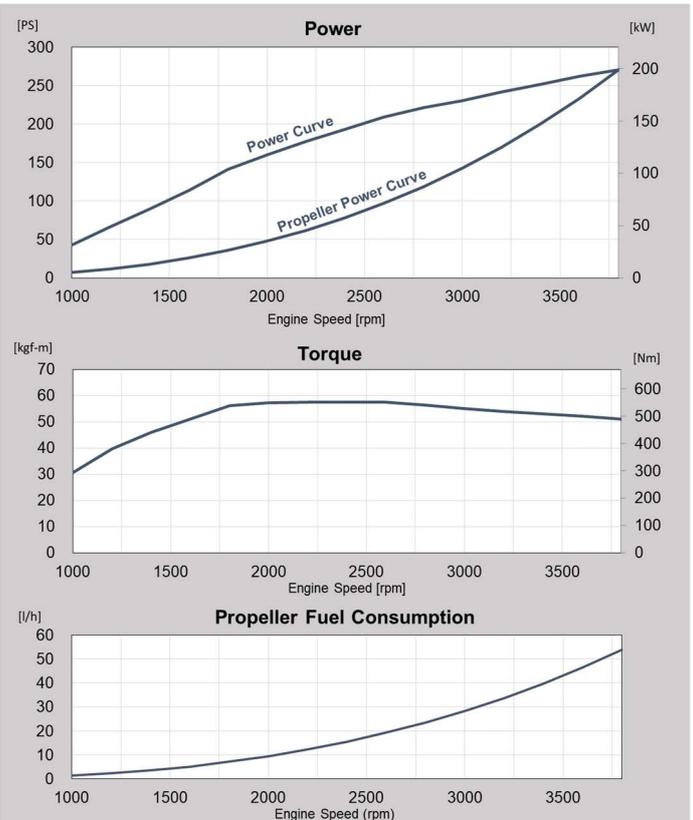
The use of Compacted Graphite Iron (CGI) for the cylinder block gives Hyundai SeasAll engines several advantages. The CGI block is lighter and quieter than conventional grey cast iron and demonstrates at least 85 percent higher tensile strength, 45 percent higher stiffness and approximately double the fatigue strength of iron and aluminum. It lasts longer than even we ever expected.

This technology is a prime example of the innovation and improvement we bring to the marine engine industry. With Hyundai SeasAll, you are on the cutting edge

Specifications

| Engine Type | S270S / S270P / S270J |
|---------------------------|---|
| Propulsion system | Stern Drive / Shaft Drive / Waterjet |
| Engine Duty Rating | Special Light Duty Commercial (S4) Pleasure Duty (S5) |
| Configuration | 4-Stroke, 24-Valve DOHC, E-VGT, Intercooler, Fresh Water Cooling |
| Output [PS (kW)] | 270 (199) |
| Rated rpm | 3,800 |
| Cylinders | V6 |
| Displacement [cc] | 2,959 |
| Bore X Stroke [mm] | 84 X 89 |
| Max. Torque [kgf·m @ rpm] | 57.6 @ 2,000~2,600 |
| Injection System | Common Rail |
| Alternator | 12V-150A |
| Engine Diagnostics | Yes |
| Fuel Consumption [L/h] | Max. 53.8 |
| Dry Weight [kg] | Approx. 334 |
| Flywheel | Hyundai Unique |
| Flywheel Housing | Borg Warner Flange |

Performance Curve



memo

Technical Descriptions

Engine

- Compacted Graphite Iron (CGI) cylinder block
- Aluminum alloy head
- Nine balance weight crankshaft
- Oil cooled pistons
- V6, 24-valve DOHC
- Hydraulic lash adjusters
- Integrated water jacket
- Low noise duplex timing chain
- Hydraulic timing chain tensioner
- Single serpentine belt system
- Drive belt auto-tensioner

Engine Mounting

- Adjustable engine mounts

Lubrication System

- Easily exchangeable oil filter cartridge
- Electric oil extraction pump
- Seawater cooled transmission oil cooler
- Chain drive engine oil pump

Fuel System

- Common rail direct injection (CRDi)
- 1,800 bar Piezo injectors
- Fuel filter with sensor detecting water in fuel
- Electric low pressure pump
- Dual pressure control valve
- High pressure fuel pump

Electrical System

- 12 volt system and 150A alternator
- Auxiliary engine stop button
- Glow plugs for a trouble-free cold start

Cooling System

- Seawater pump driven directly from the camshaft
- Seawater indirect cooled intercooler, heat exchanger
- Corrosion resistant material for seawater circuit

Air Inlet system

- Oil wetted and reusable air filter
- Crankcase gas vented into the air inlet
- Intake silencer (Optional)

Engine Operating Indicator (EOI)



- Engine self protection and diagnosis
- Displays CAN information
- Displays engine diagnostic error codes
- Audible alarm and control lamps

Exhaust System

- Engine coolant cooled exhaust manifold
- Seawater cooled exhaust elbow
- Seawater cooled Hi-Riser (Optional)
- E-VGT, Electronic Variable Geometry Turbo

Emissions

- IMO Tier II
- EU RCD II
- US EPA Tier III

Type Approval

- RINA Classification Society

Dimensions (mm)

- Reference for S270S-BRAVO3X

