

S-SERIES

270PS [199kW] acc. to ISO 8665

NEW



Our Piezo controlled common rail injection system delivers 270PS and 57.6kg·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.

Technical Descriptions

Engine

- Compacted Graphite Iron (CGI) cylinder block
- Aluminum 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 oil cooler
- Chain drive engine oil pump

Fuel System

- Common rail direct injection (CRDi)-Piezo injectors
- 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 150A alternator
- Auxiliary engine stop button
- Glow plugs for a trouble-free cold start
- NMEA2000 Converter (Optional)
- 2 Pole system (Optional)
- Electronic control system (Optional)

Cooling System

- Seawater pump driven directly from the camshaft
- Seawater cooled intercooler, heat exchanger
- Auxiliary connector for cabin heating
- Corrosion resistant material for seawater circuit

Engine Operating Indicator (EOI)

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

Air Inlet system

- Oil wetted and reusable air filter
- Intake silencer (Optional)

Exhaust System

- Engine coolant cooled exhaust manifold
- Seawater cooled exhaust elbow
- Seawater cooled Hi-Riser (Optional)

Turbocharger

- E-VGT, Electronic Variable Geometry Turbo

Noise Level

- 69.9dB (Ref. RCD Standard 75dB)

Emissions

- EPA Tier 3, IMO Tier 2 and RCD compliant

Scope of Supply

1. RATINGS

| | |
|----|--|
| S3 | LIGHT DUTY COMMERCIAL |
| S4 | SPECIAL PLEASURE DUTY SPECIAL LIGHT DUTY COMMERCIAL |
| S5 | PLEASURE DUTY |

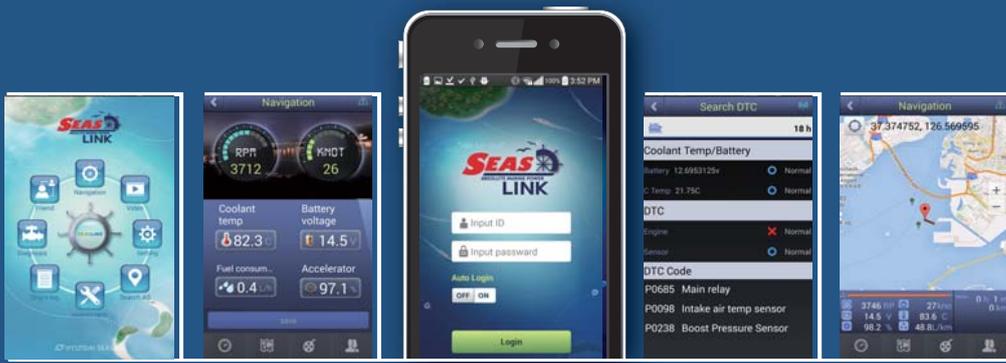
2. GAUGES

KEY SWITCH ASSEMBLY, TACHOMETER, COOLANT TEMPERATURE, VOLTMETER and TRIM GAUGE FOR STERNDRIVE

* Factory-installed option,
*** Supply schedule may differ.
To find out more about configurations and accessories available, please contact your nearest Hyundai SeasAll network.

| | | RATINGS 1 | OPERATION MANUAL | EOI (Engine Operating Indicator) | SeasLink *** | GAUGES 2 | COUPLER | ENGINE OIL EXTRACTION PUMP | SEA WATER PUMP * | POWER STEERING PUMP * | BEARING HOUSING PUMP * | EXHAUST ELBOW (WATER COOLED) | EXHAUST THRUSTER * | TWO POLE (INSULATED SYSTEM) * | INTAKE SILENCER | NMEA2000 CONVERTER | ELEC. CONTROL SYSTEM | MECH. CONTROL SYSTEM | STEERING WHEEL | SAFETY STOP SWITCH | MECH. CONTROL | HELM+90° BEZEL+CABLE | ALU PROP | SS PROP |
|------------------------|-------|-----------|------------------|----------------------------------|--------------|----------|---------|----------------------------|------------------|-----------------------|------------------------|------------------------------|--------------------|-------------------------------|-----------------|--------------------|----------------------|----------------------|----------------|--------------------|---------------|----------------------|----------|---------|
| S270S | S5,S4 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| S270S-BRAVO 1X, 2X, 3X | S5,S4 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| S270P | S5,S4 | ● | ● | ● | ● | ● | ● | ○ | - | - | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | - | - | - |
| S270P-ZF63A | S5,S4 | ● | ● | ● | ● | ● | ● | - | - | - | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | - | - | - |
| S270J | S5,S4 | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | - | - |
| S270J-ZF63C, ZF45 | S5,S4 | ● | ● | ● | ● | ● | ● | - | - | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | - | - |

● : Standard / ○ : Option / - : N/A / S = Sterndrive / P = Propeller Shaft / J = Waterjet



ON THE SMARTER PHONE

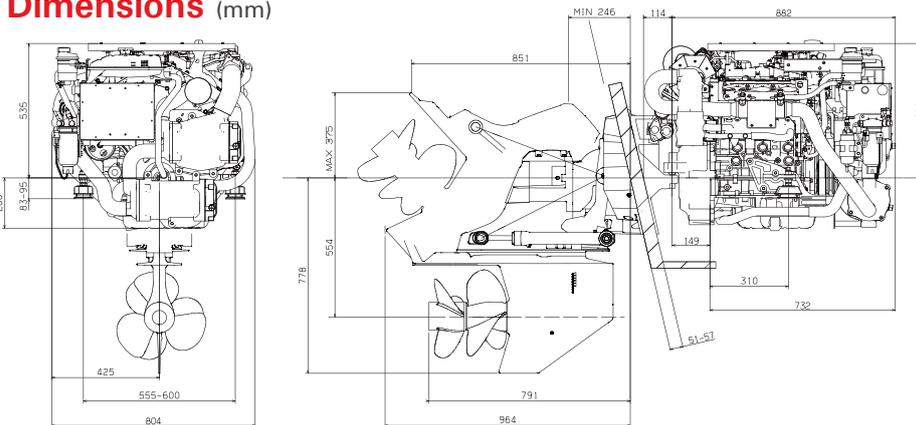
- Displays Engine Running Information
- Engine Diagnostic Functions
- Monthly User's Log Information
- Displays Boat Track on the Map
- Audible Warning Alarm and Visual Pop-up Screen



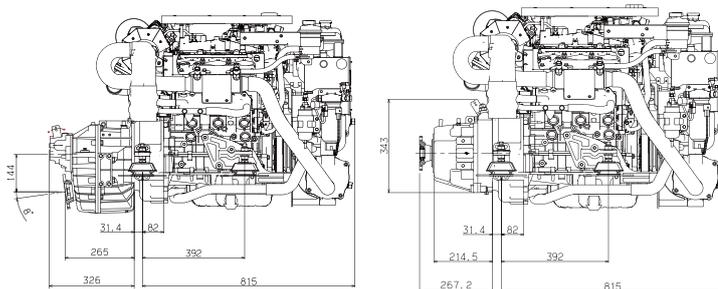
Specifications

| Engine type | S270S | S270P | S270J |
|-----------------------------|--|------------|-----------------|
| Propulsion system | Sterndrive | Shaftdrive | Waterjet |
| Engine Duty Rating | Pleasure Duty (S5) | | |
| Configuration | 4-Stroke, 24-Valve DOHC, E-VGT with 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 @ rpm | 57.6 kg·m @ 2,000~2,600 | | 51 kg·m @ 3,800 |
| Injection System | Common Rail Direct injection (CRDi) - Piezo Injector | | |
| Alternator | 12V-150A | | |
| Engine Diagnostics | YES | | |
| Fuel Consump.[L/h] | 53.8 | | |
| Dry Weight [kg] | APPROX. 334 | | |
| Flywheel | Hyundai Unique | | |
| Flywheel Housing (P/J type) | Borgwarner Flange | | |

Dimensions (mm)



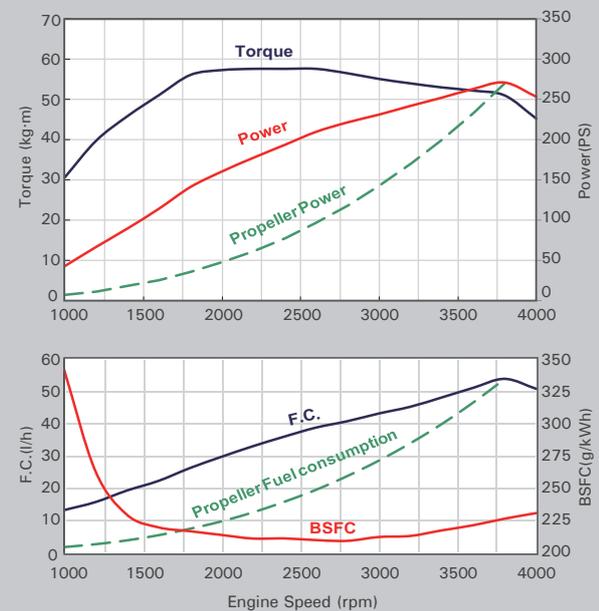
S270S Bravo Three X Diesel



S270P ZF 63A

S270J ZF 63C

S270S | S270P Performance Curves



S270J Performance Curves

