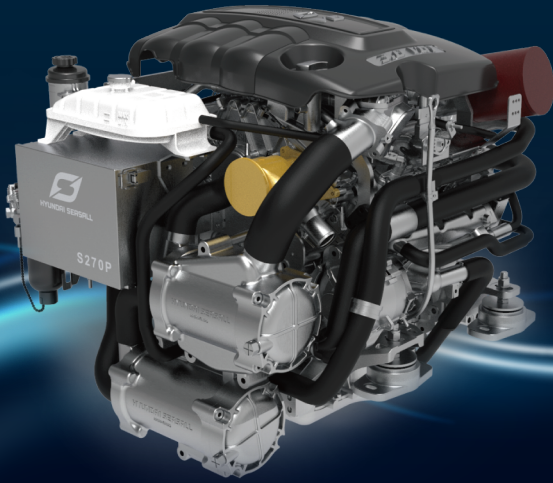


S30-SERIES

270ps [199kW] per ISO 8665



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 transmission oil cooler
- Chain drive engine oil pump

Fuel System

- Common rail direct injection (CRDi)
 - 1,800 bar new generation Piezo injectors
- Fuel filter with sensor detecting water in fuel
- Electric low pressure pump
- Dual pressure control valve
- 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
- Crankcase gas vented into the air inlet
- 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

Emissions

- US EPA Tier-III
IMO Tier-II compliant

Scope of Supply

1. RATINGS

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

2. GAUGES

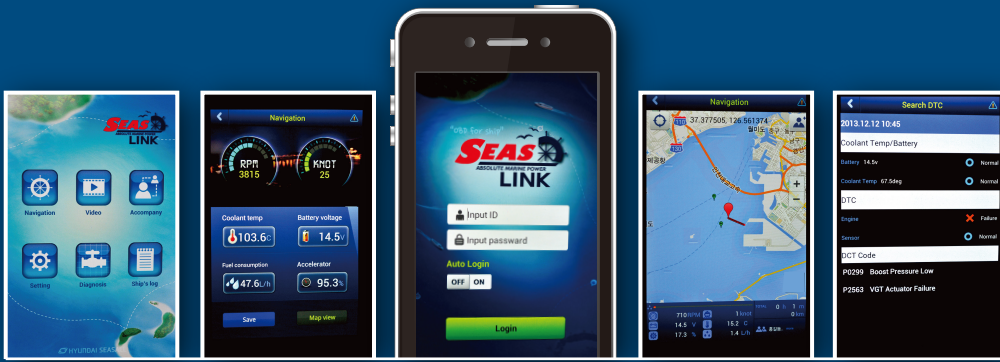
Key switch assembly, tachometer

* Factory-installed option,

** Standard or optional depending on market.

| | RATINGS 1 | OPERATION MANUAL | EOI (Engine Operation Indicator) | SeasLink | GAUGES 2 | COUPLER | ENGINE OIL EXTRACTION PUMP | SEA WATER PUMP * | POWER STEERING PUMP * | BEARING HOUSING ASSEMBLY * | EXHAUST ELBOW (WATER COOLED) | EXHAUST PIPE (FOR STERN/PROP) | TWO-POLE (INSULATED SYSTEM) * | INSTRUMENT PANEL | NMEA2000 CONVERTER | ELEC. CONTROL SYSTEM | STEERING WHEEL | MECH. CONTROL LEVER | SAFETY STOP CABLE | HELMH-90° BEZEL+CABLE | ALU PROP | SS PROP | HYDRAULIC STEERING SYSTEM |
|------------------------|-----------|------------------|----------------------------------|----------|----------|---------|----------------------------|------------------|-----------------------|----------------------------|------------------------------|-------------------------------|-------------------------------|------------------|--------------------|----------------------|----------------|---------------------|-------------------|-----------------------|----------|---------|---------------------------|
| S270S | S5,S4 | ● | ● | - | ● | ● | ● | ● | - | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| S270S-BRAVO 1X, 2X, 3X | S5,S4 | ● | ● | - | ● | ● | ● | ● | - | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| S270P | S5,S4 | ● | ● | - | ● | ● | ○ | - | - | - | - | ○ | ○ | ○ | ○ | ○ | ○ | ○ | - | - | - | - | - |
| S270P-ZF68A | S5,S4 | ● | ● | - | ● | ● | ○ | - | - | - | - | ○ | ○ | ○ | ○ | ○ | ○ | ○ | - | - | - | - | - |
| S270J | S5,S4 | ● | ● | - | ● | ● | ○ | ○ | ○ | ○ | - | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | - | - | - |
| S270J-ZF63C | S5,S4 | ● | ● | - | ● | ● | ○ | - | - | - | - | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | - | - | - |

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



SEAS LINK
ABSOLUTE MARINE POWER

ON THE SMARTER PHONE

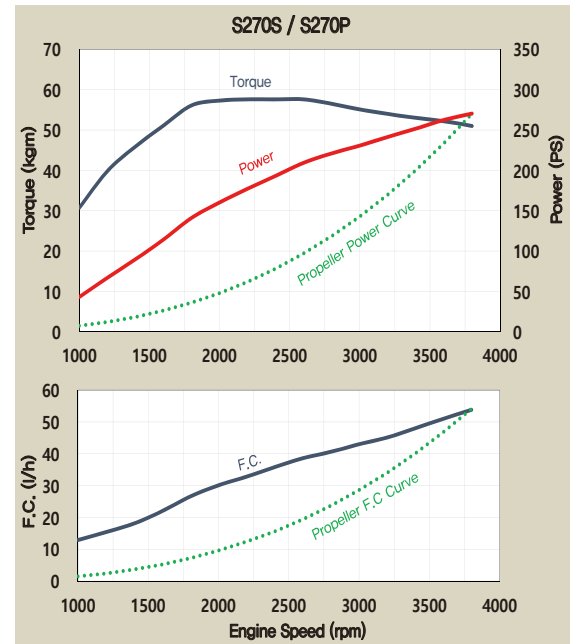
- Displays Engine Information
- Displays Boat Track on the Map
- Monthly User's Log Information
- Engine Diagnostic Functions
- Audible Warning Alarm and Visual Pop-up Screen



Specifications

| Engine Type | S270S | S270P | S270J |
|-------------------------|--|------------|-------------------|
| Propulsion System | Sterndrive | Shaftdrive | Waterjet |
| Engine Duty Rating | Special Light Commercial (S4)/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 | | |
| Compression Ratio | 17.5 : 1 | | |
| Max. Torque @ rpm | 57.6 kg·m @ 2,000 | | 51.0 kg·m @ 3,800 |
| Injection System | Common Rail Direct injection (CRDi) - Piezo Injector | | |
| Alternator | 12V-150A | | |
| Engine Diagnostics | YES | | |
| Max Fuel Consump. [l/h] | 53.8 | | |
| Dry Weight [kg] | 334 | | |
| Flywheel | Hyundai Unique | | |
| Flywheel Housing | BorgWarner Flange | | |

Performance Curves



Dimensions (mm)

