

# G68-series

350PS [257KW] acc. to ISO 3046

Preliminary



## 6.8 Liter Light Duty Commercial Engine

Solenoid controlled common rail injection system delivers 350PS and 110.0kg-m of torque from the 6.8 liter in-line 6 cylinder engine.

The broad flat torque curve proves Hyundai SeasAll's diesel development capabilities are world-class and beats performance of competition's comparable models.

Economy is assured by the state-of-the-art fuel management system featuring Common Rail Direct Injection (CRDI).

The electronic engine control system makes the engine lighter, quieter and more fuel efficient with excellent compact dimensions

## Technical Descriptions

### Engine

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

### Air Inlet system

- Reusable air filter

### Fuel System

- Common Rail Direct Injection (CRDI) – Solenoid injector with 2,000 bar
- Gear-driven fuel pump
- Electronically controlled injection timing
- Fine fuel filter and water separator

### Engine Mounting

- Adjustable engine mounts (Optional)

### Electrical System

- 24 volt – 70A alternator
- Auxiliary engine stop button
- Air heating system for a trouble-free cold start
- NMEA2000 Converter (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 seawater impeller pump

### Lubrication System

- Easily exchangeable oil filter cartridge
- Integrated oil-cooler in cylinder block
- Closed system with forced feeding
- Eco type oil filter
- Electric oil extraction pump
- Gear drive engine oil pump

### Engine Operating Indicator (EOI)



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

### Exhaust System

- Aluminium exhaust pipe
- E-WGT (Electric Waste Gate Turbocharger)

### Emissions

- IMO Tier II (in progress)
- EPA Tier III (TBD)

### Type Approval

- RINA Classification Society (in progress)
- CCNR (TBD)

## Scope of Supply

	RATINGS <sup>1</sup>	OM	IBA <sup>2</sup>	SeasLink***	BC**	DEP	SWP	TWO-POLE*	IEK**	NMEA 2000 C	SSS
G68-350	S3	●	●	○	●	●	●	○	○	○	○

OM=OPERATION MANUAL

IBA=INSTRUMENT BOX ASSEMBLY (WITH EOI)

BC=BELT COVER

DEP=DRY EXHAUSTED PIPE

SWP=SEA WATER PUMP

IEK=INTAKE EXTENSION KIT\*\*

C=CONVERTER

SSS=SAFETY STOP SWITCH

### 1. RATINGS

S1 HEAVY DUTY COMMERCIAL

S2 MEDIUM DUTY COMMERCIAL

S3 LIGHT DUTY COMMERCIAL

### 2. INSTRUMENT BOX ASSEMBLY includes

EOI BOX, RPM GAUGE and WIRING HARNESS

● : Standard ○ : Option : N/A

S = Sterndrive P = Propeller Shaft J = Water Jet

G = For Generator Pr = Prime Power E = Emergency



**SEAS LINK**  
ABSOLUTE MARINE POWER

ON THE SMARTER PHONE

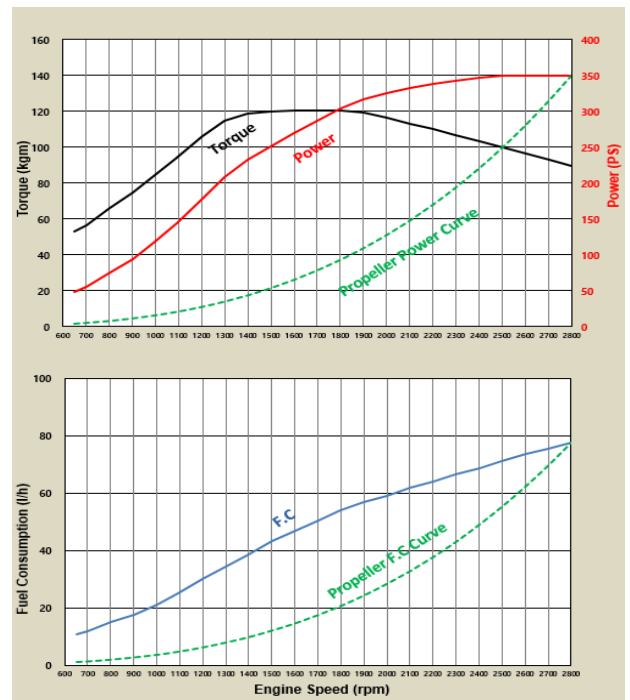
- Displays Engine Information
- Displays Boat Track on the Map
- Monthly User's Log Information
- Engine Diagnostic Functions
- Audible Warning Alarm and Visual Pop-up Screen



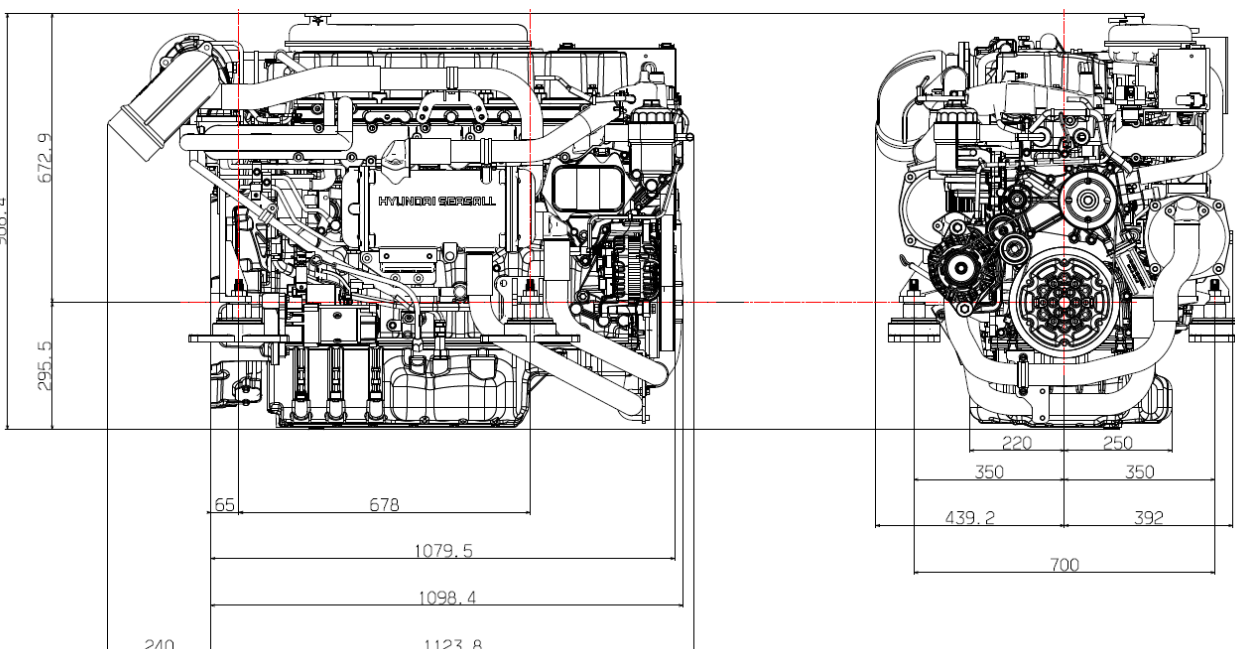
## Specifications

Engine type	G68-350
Propulsion system	Shaftdrive, Surfacedrive, Waterjet
Engine Duty Rating	Light Duty(S3)
Configuration	4-Stroke, 24-Valve OHC E-WGT with Intercooler, Fresh Water Cooling
Output [PS (kW)]	350 (257)
Rated rpm	2,800
Cylinders	In-line 6
Displacement [cc]	6,798
Bore X Stroke [mm]	107 × 126
Compression Ratio	17.5 : 1
Max. Torque @ rpm	110.0kg-m @1,400rpm
Injection System	Common Rail Direct Injection (CRDI) Solenoid Injector
Alternator	24V-70A
Engine Diagnostics	YES
Fuel Consump.[L/h]	77.6
Dry Weight [kg]	686
Flywheel	SAE 11-1/2
Flywheel Housing	SAE 2

## Performance Curves



## Dimensions



(mm)