

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 ¹	OM	IBA ²	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

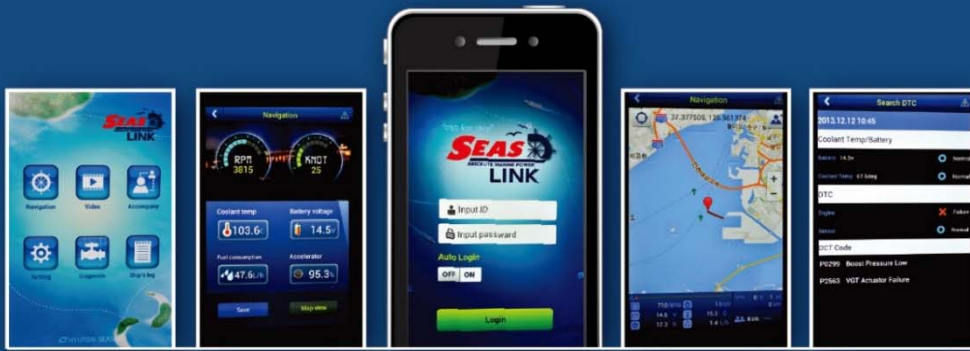
2. INSTRUMENT BOX ASSEMBLY includes

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

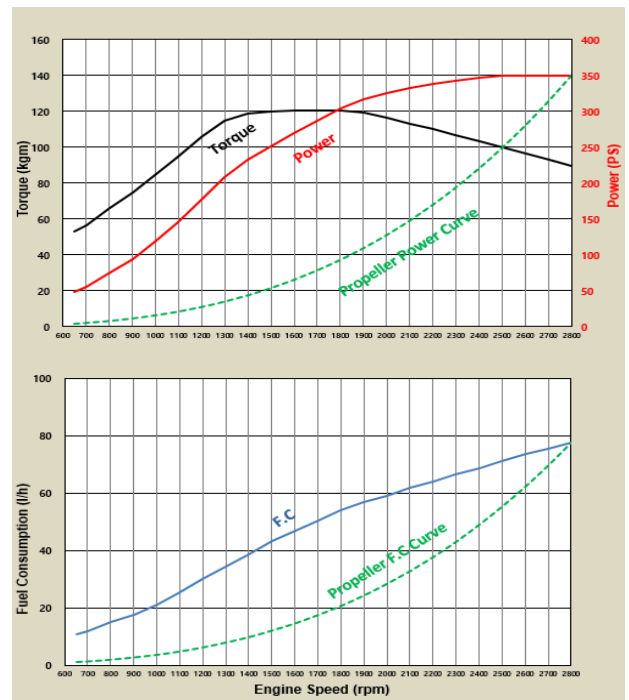
- Displays Engine Information
- Displays Boat Track on the Map
- Monthly User's Log Information
- Engine Diagnostic Functions
- Audible Warning Alarm and Visual Pop-up Screen



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

