

# H-Engine

380hp [280kW] acc. to ISO 8665

Electronic Unit Injection system delivers 380 hp and 170kg·m of torque from the 10.0 liter 6 in-line engine. The advanced design and the electronic engine controlled system makes it light, quiet and fuel efficient with world-class compact dimensions.

## Durability and Reliability

The engine features a unique Compacted Graphite Iron (CGI) cylinder head. 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 is a prime example of the type of innovation and improvement which Hyundai SeasAll is bringing to the marine engine industry.



\*. The product may differ from photos.

## Technical Descriptions

### Engine

- 6 cylinder in-line 4 valve OHC
- One-piece Compacted Graphite cast Iron (CGI) cylinder head
- Cast iron cylinder block
- Gallery oil-cooled long lasting monosteel piston
- Integrated water jacket
- Single serpentine belt system
- Drive belt auto tensioner

### Engine Mounting

- Adjustable engine mount ( option )

### 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
- Chain drive engine oil pump
- Washable auxiliary cyclone oil filter

### Fuel System

- Electronic Unit Injectors, one per cylinder
- Gear-driven fuel pump
- Electronically controlled injection timing
- Fine fuel filter and water separator

### Electrical System

- 24 volt and 70A alternator
- Auxiliary engine stop button
- Air Heating system for a trouble-free cold start

### 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 in rear end

### Engine Operating Indicator

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

### Air Inlet system

- Reusable air filter

### Exhaust System

- Cast iron exhausted pipe
- Electric Variable Geometry Turbine (E-VGT)

### Emissions

- US EPA Tier 2, IMO NO<sub>x</sub> Compliant

### Type Approval

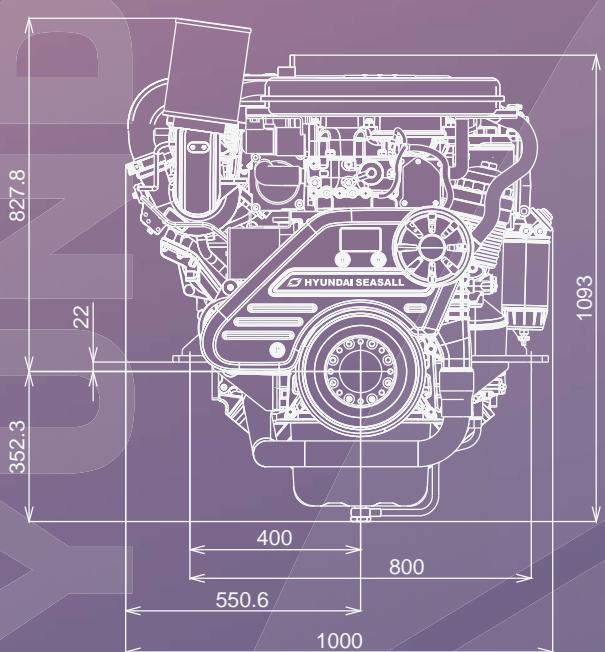
- RINA Classification Society

*New Standard for Marine Diesel Engine*

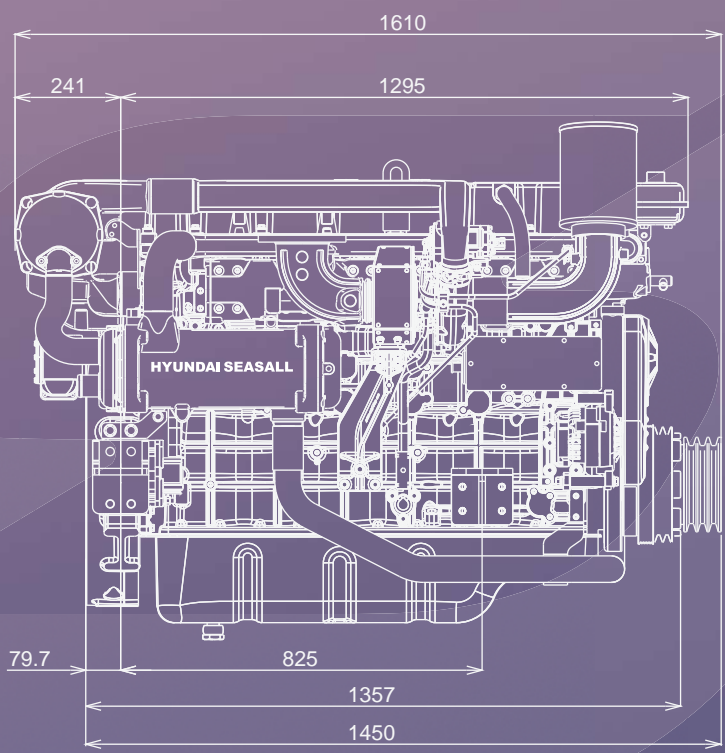
# H380

▪ Engine duty rating	S1 (Heavy duty)
▪ Output [hp(kW)] per ISO 8665	380hp (280kW)
▪ RPM @ full load	1,800rpm
▪ Max.torque @ at speed	170kg·m @ 1,100rpm
▪ Cylinders	6 in-line
▪ Displacement [cc]	9,960 cc
▪ Dimensions [mm(LxWxH)]	1,450 x 1,000 x 1,093 mm
▪ Weight [kg]	1,090kg

▪ **H380**



Front view



Side view