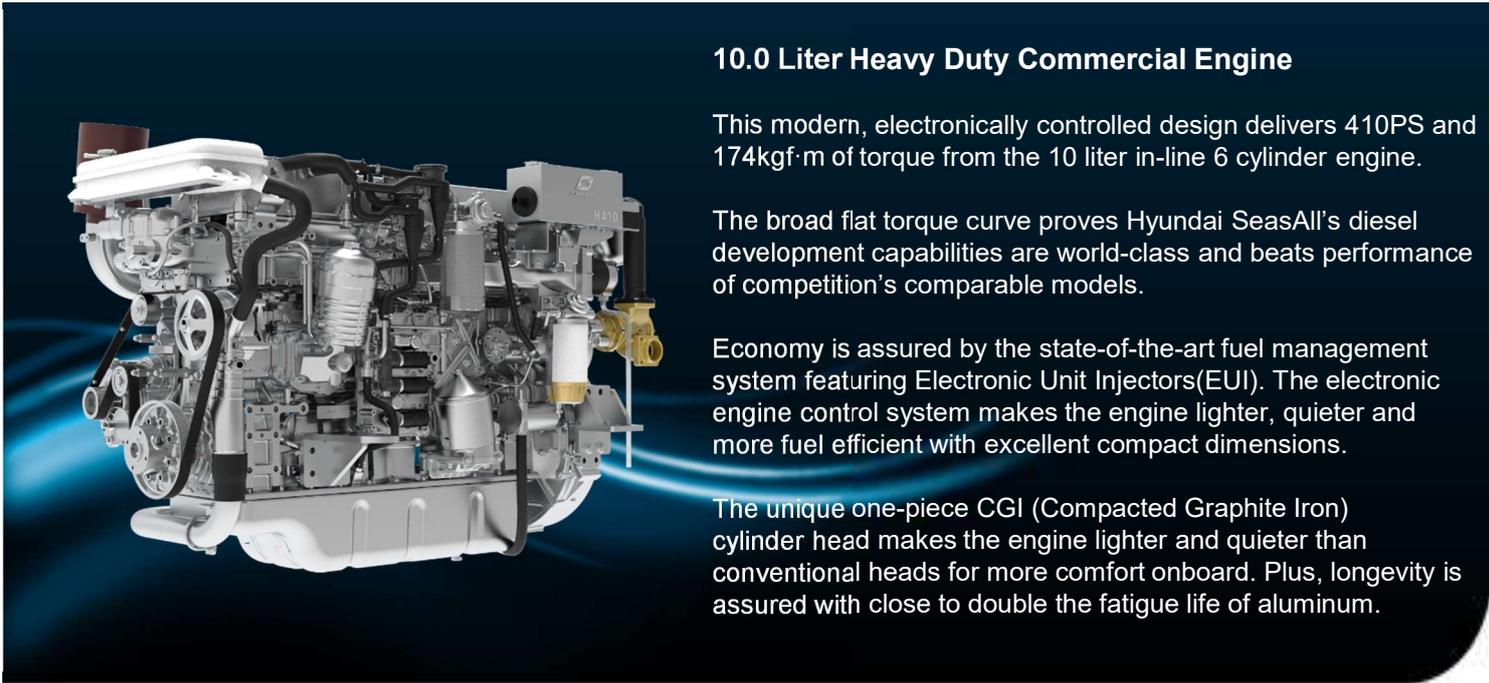


H10

410PS [302kW] acc. to ISO 3046

380PS [280kW] acc. to ISO 3046



10.0 Liter Heavy Duty Commercial Engine

This modern, electronically controlled design delivers 410PS and 174kgf·m of torque from the 10 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.

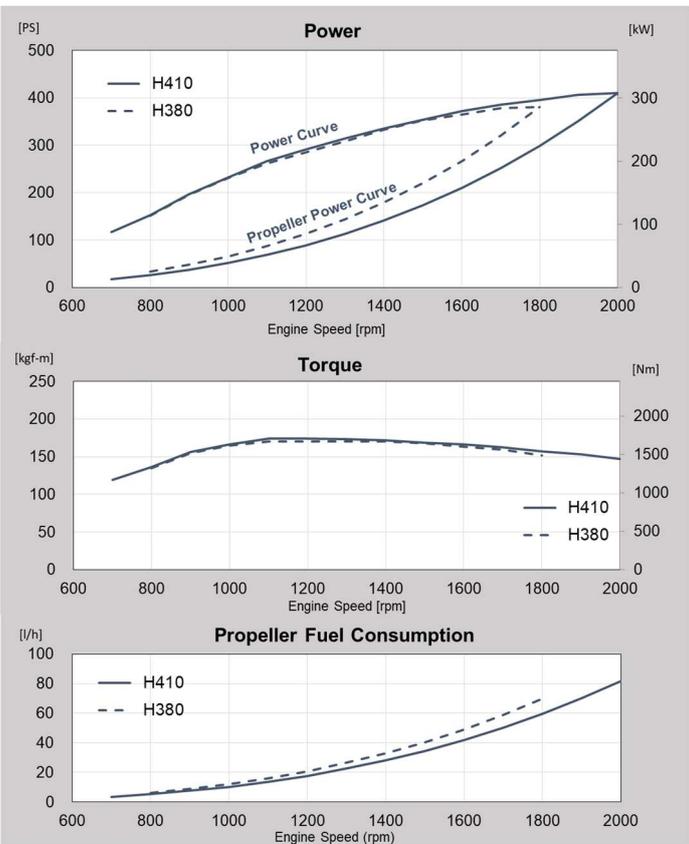
Economy is assured by the state-of-the-art fuel management system featuring Electronic Unit Injectors(EUI). The electronic engine control system makes the engine lighter, quieter and more fuel efficient with excellent compact dimensions.

The unique one-piece CGI (Compacted Graphite Iron) cylinder head makes the engine lighter and quieter than conventional heads for more comfort onboard. Plus, longevity is assured with close to double the fatigue life of aluminum.

Specifications

Engine Type	H410	H380
Propulsion System	Shaft Drive, Waterjet	
Engine Duty Rating	Heavy Duty (S1)	
Configuration	4-Stroke, 24-Valve OHC, E-VGT, Intercooler, Fresh Water Cooling	
Output [PS (kW)]	410 (302)	380 (280)
Rated rpm	2,000	1,800
Cylinders	In-Line 6	
Displacement [cc]	9,960	
Bore X Stroke [mm]	122 X 142	
Max. Torque [kgf·m @rpm]	174 @ 1100	170 @ 1100
Injection System	Electronic Unit Injector (EUI)	
Alternator	24V-70A	
Engine Diagnostics	YES	
Fuel Consumption [L/h]	Max. 81.8	Max. 70
Dry Weight [kg]	APPROX. 1,120	
Flywheel	SAE #14	
Flywheel Housing	SAE #1	

Performance Curve



memo

Technical Descriptions

Engine

- 6 cylinder in-line, 24 valve OHC
- Compacted Graphite Iron (CGI) cylinder head
- Cast iron cylinder block
- Gallery cooled long lasting mono steel pistons
- Integrated water jacket
- Single serpentine belt system
- Drive belt auto tensioner

Air Inlet system

- Reusable air filter
- Intake Extension Kit(Optional)

Fuel System

- Electronic Unit Injector (EUI)
- Gear-driven fuel pump
- Electronically controlled injection timing
- Fine fuel filter & 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
- 2 Pole system (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 driven 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
- Idle & PTO rpm adjustable switch

Exhaust System

- Coolant cooled exhaust manifold
- Cast iron dry exhaust pipe
- E-VGT (Electric Variable Geometry Turbocharger)

Emissions

- IMO Tier II
- EU RCD II
- US EPA Tier III

Type Approval

- RINA Classification Society

Dimensions (mm)

