

L13

500PS [368kW] acc. to ISO 3046



12.7 Liter Heavy Duty Commercial Engine

The Electronic Unit Injection system delivers 500PS and 232kg·m of torque from the 12.7 liter in-line 6 cylinder engine.

The robustly-designed unit was specifically conceived as a heavy duty engine with the ability to serve the professional and commercial markets. It has stable performance at high load and responds well to sudden load changes.

Excellent power and torque in a wide rpm range proves Hyundai SeasAll's diesel development capabilities are world-class and beats the performance of competition's comparable models. Economy is assured by the state-of-the-art fuel management system featuring electronic unit injectors (EUI).

Technical Descriptions

Engine

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

Engine Mounting

- Adjustable engine mounts (Optional)

Lubrication System

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

Fuel System

- Electronic Unit Injector (EUI)
- Gear-driven fuel pump
- Electronically controlled injection timing
- Fine fuel filter and water separator
- High pressure six-hole injector nozzles

Electrical System

- 24 volt - 90A alternator
- Auxiliary engine stop button
- Air heating system for a trouble-free cold start
- NMEA2000 Converter (Optional)
- 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 rear mounted sea-water pump

Exhaust System

- Coolant cooled exhaust manifold
- Cast iron exhaust pipe
- WGT (Waste Gate Turbocharger)

Instrument Box Assembly



- Engine self-protection and diagnosis
- Displays CAN information
- Displays engine diagnostic error codes
- Audible alarm and control lamps
- Idle & PTO rpm adjustable switch

Air Inlet system

- Reusable air filter
- Intake Extension Kit(Optional)

Emissions

- IMO NOx Tier II (EIAPP) Compliant
- US EPA Tier-III Compliant
- CCNR2 Compliant

Type Approval

- RINA Classification Society

Scope of Supply

		RATINGS ¹	OPERATION MANUAL	INSTRUMENT BOX ASSEMBLY (WITH EOI) ³	Seaslink	BELT COVER **	EXHAUST PIPE	SEA WATER PUMP	TWO-POLE (INSULATED SYSTEM)	INTAKE EXTENSION KIT **	NMEA2000 CONVERTER	SAFETY STOP SWITCH
L500P	S1	●	●	●	●	●	●	○	○	○	○	○
L500G	S1	●	●	●	●	●	●	○	○	○	○	○
L460G	S1	●	●	●	●	●	●	○	○	○	○	○

● : Standard / ○ : Option / P = Propeller Shaft / G = For Generator

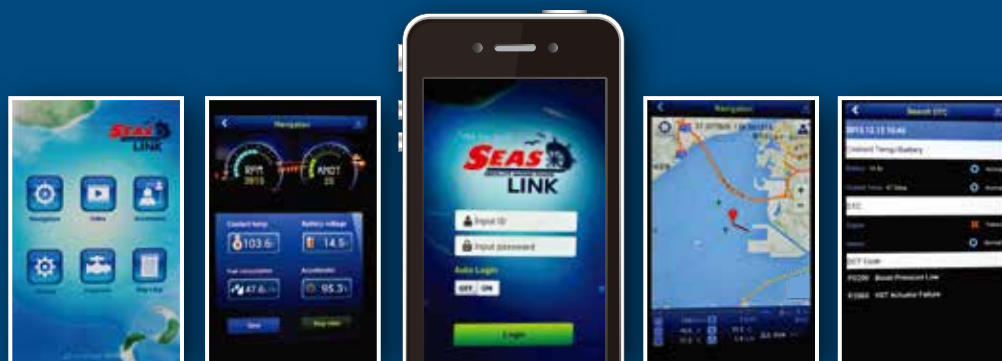
1. RATINGS

S1 HEAVY DUTY COMMERCIAL

3. INSTRUMENT BOX ASSEMBLY includes
EOI BOX, RPM GAUGE and WIRING HARNESS

* Factory-installed option, ** Standard or optional depending on market.

To find out more about configurations and accessories available, please contact your nearest Hyundai SeasAll network.



SEAS LINK
ABSOLUTE MARINE POWER

ON THE SMARTER PHONE

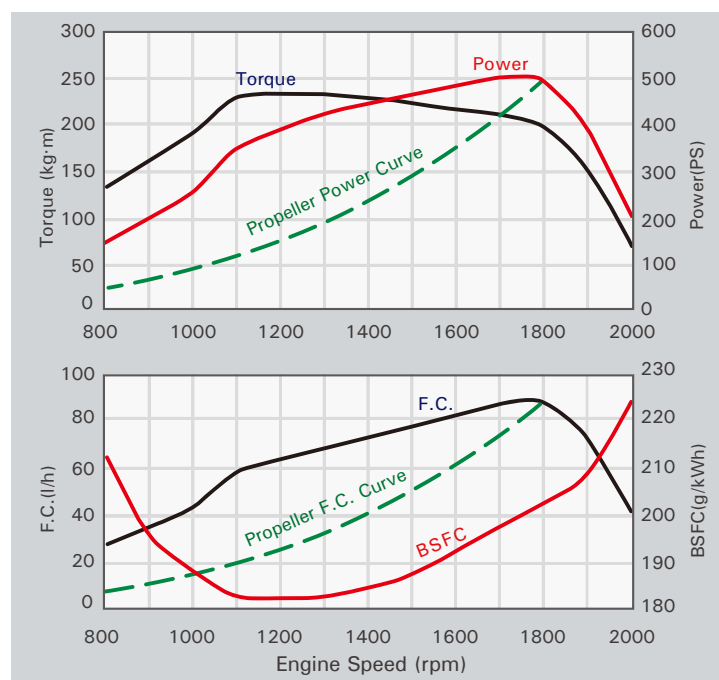
- Displays Engine Information
- Displays Boat Track on the Map
- Monthly User's Log Information
- Engine Diagnostic Functions
- Audible Warning Alarm and Visual Pop-up Screen



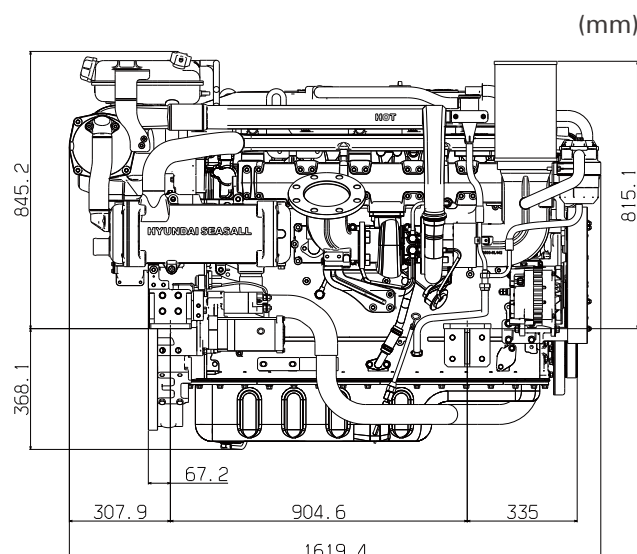
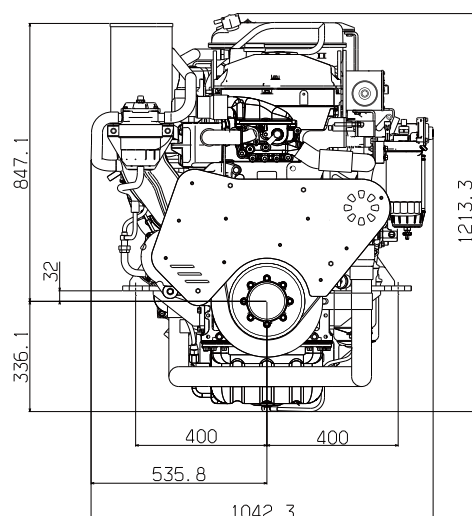
Specifications

Engine type	L500P	L500G	L460G
Propulsion system	Shaftdrive	For Generator	
Engine Duty Rating	Heavy Duty(S1)	Emergency	Prime Power
Configuration	4-Stroke, 24-Valve OHC WGT with Intercooler, Fresh Water Cooling		
Output [PS (kW)]	500 (368)	500 (368)	460 (338)
Rated rpm	1,800		
Cylinders	In-line 6		
Displacement [cc]	12,736		
Bore X Stroke [mm]	130 X 160		
Compression Ratio	16 : 1		
Max. Torque @ rpm	232kg·m@1,100 ~ 1,300rpm		-
Injection System	Electronic Unit Injector (EUI)		
Alternator	24V-90A		
Engine Diagnostics	YES		
Fuel Consump.[L/h]	88.3	88.3	80.6
Dry Weight [kg]	1,310		
Flywheel	SAE 14		
Flywheel Housing	SAE 1		

Performance Curves



Dimensions



L500