HYUNDAI

4L086C

6 Cyl

IMO Tier II/III

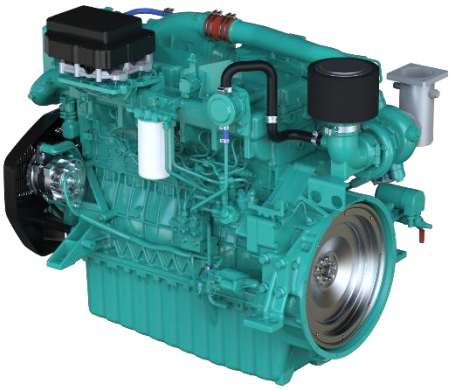
OIL 500h

EPA/CARB Tier 3

MARINE

Power Rating

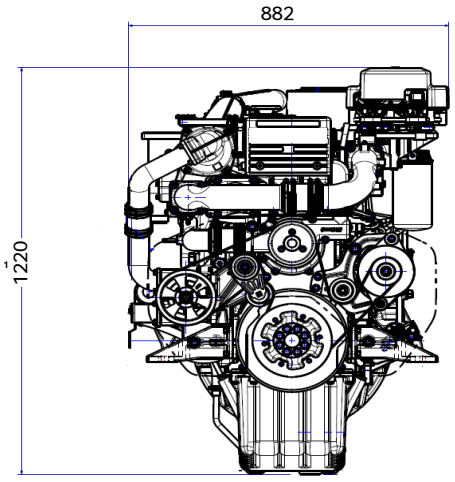
Conditions	Model	Max. Power		rpm	Emission
		kW	PS		
Continuous Duty	4L086CA(C)	235	320	1800	IMO Tier II/III EPA Tier 3 RCD/Stage5
	4L086CB(C)	206	280	1800	
	4L086CC(C)	129	176	1800	
Heavy Duty	4L086CA(H)	265	360	2000	
	4L086CB(H)	235	320	2000	
Medium Duty	4L086CA(M)	279	380	2100	
	4L086CB(M)	243	330	2100	

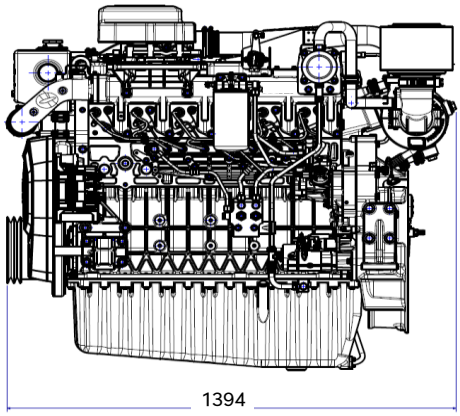


* No reduction in rating for intake air temperature is up to 45℃ (318K) and sea water temperature is up to 32℃ (305K), relative humidity is up to 60%
* All data are based on operation to ISO 3046. Performance tolerance of ±3%

Engine Specifications

Engine Model		4L086C (DL08)
Cylinders and Arrangement		6-cylinder / L type
Bore x Stroke		108 x 139 mm
Displacement		7.6 liter
Compression Ratio		16.0 : 1
Firing Order		1-5-3-6-2-4
Direction of Revolution		Counterclockwise viewed from Flywheel
Fuel system		Common rail controlled by ECU
Starting system		Electric starting by starter motor
Starter motor capacity		24V - 6.6kW
Alternator capacity		24V - 80A
Battery		24V - 200Ah
Aspiration		Water cooled with turbo charger & Inter-cooler
Flywheel Housing		SAE #1
Cooling system		Indirect sea water cooling with heat exchanger / Keel Cooling
Cooling water capacity		Max: 28 liter Min: 26 liter
Fresh water pump type		Centrifugal (Pulley type)
Sea water pump type		Rubber Impeller
After Treatment System		IMO Tier-II / EPA Tier 3: Not Required IMO Tier-III : SCR
Lubricant Oil	Oil pan capacity	Max : 47 liter, Min : 23 liter
	Pressure	Full load : 3.0, Idle : 1.0 (kg /cm2)
Dimension (L x W x H)		1394 x 882 x 1220 mm
Dry Weight		920 kg





4L086C

Marine Propulsion Engine

MARINE

Key Features and Benefit

High Performance

- Advanced fuel injection system with common rail
- Compliance with emission regulation (IMO Tier II/III, EPA Tier 3)
- High-efficiency SCR
- Smoke reduction
- Increased durability of key components

Convenience

- Auto tensioner
- Turning device
- Electrical oil drain pump
- CCV for engine room cleanliness

Economical

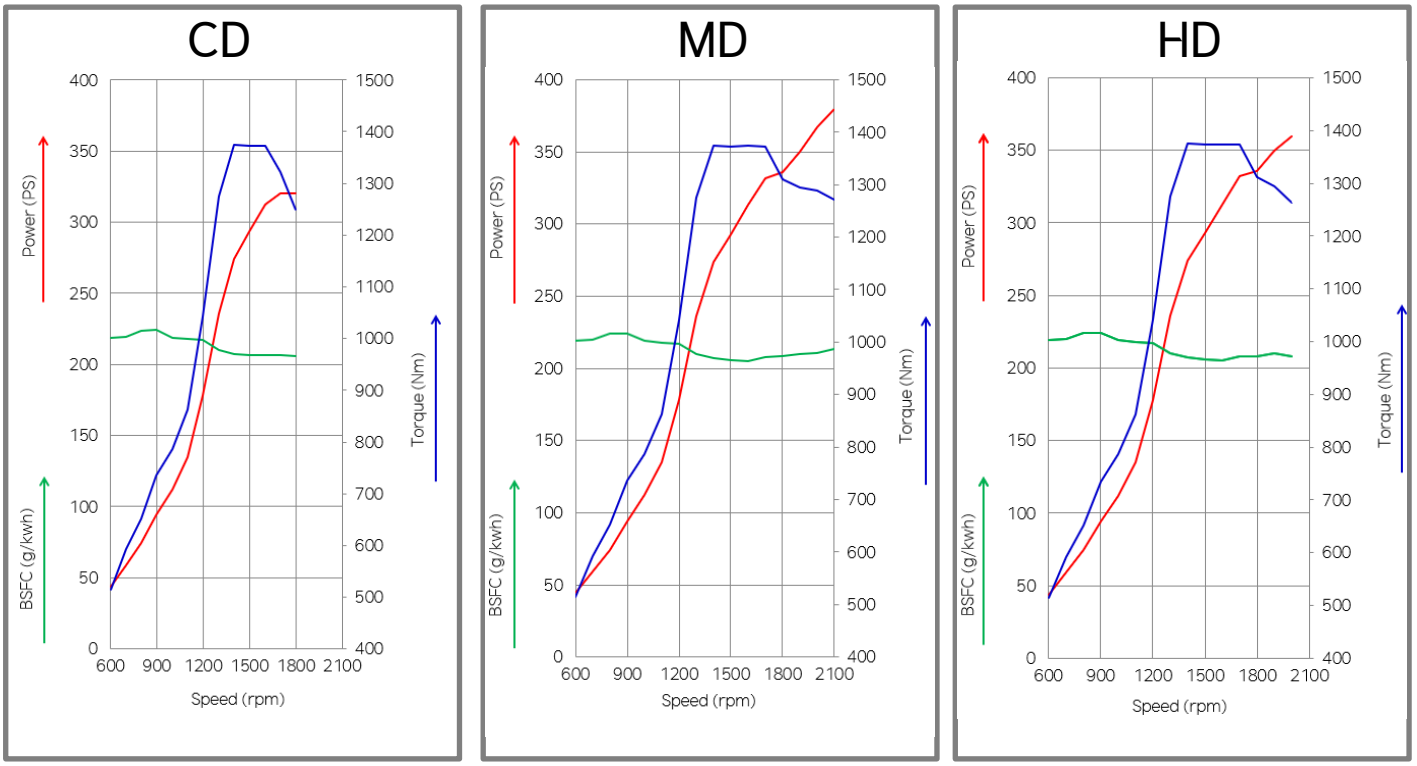
- Decreasing fuel consumption to average 5% by downsizing
- Increased oil & filter replacement cycle (250hr → 500hr)

Warranty

- Maximum 3 years warranty provided through extended warranty option

Performance Curve

· CD(Continuous Duty) / HD(Heavy Duty) / MD(Medium Duty) / LD(Light Duty)



※ Specifications are subject to change without prior notice.

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