WEICHAI

Version 2015A

Marine Engine- CW8250 Series

General Specifications

Bore & Stroke	250x300 mm
Displacement	117.8 L
Cylinder Number	8
Compression ratio	13
Fuel System	Mechanical Pump
Aspiration	TA
Emission Standard	IMO Tier Ⅱ



Duty	Model	HP	kW	RPM
P1	CW8250ZLC	2666	1960	1000
P1	CW8250ZLC-2	2394	1760	900

Duty	Model	HP	kW	RPM
P1	CW8250ZLC-1	1999	1470	750

Standard Equipments

Engine and block

Cast iron cylinder block

Steel forged crankshaft

Separate cast iron cylinder heads and wet liners

Aluminium alloy pistons or combined-type pistons with steel crown and aluminum skirt

Cooling system

Fresh / raw water heat exchanger with integrated thermostatic valves and expansion tank

Cast iron centrifugal fresh water pump, mechanically driven

Self-priming raw water pump, mechanically driven

Lubrication system

Filter with metal element, washable

Fresh water cooled lube oil cooler

Fuel system

One-piece injection pump or individual injection pump

Dual-skinned fuel pipe with alarm and leakage collector

Duplex fuel filters replaceable engine running

Intake air and exhaust system

Washable air filter

Turbocharger optimized for marine application

Insulated exhaust manifold and exhaust expansion joint

Electrical system

24V electric starter motor and battery charging alternator

Monitor on the engine

Certification

CCS and EIAPP

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Optional Equipments

Air starter with storage bottles

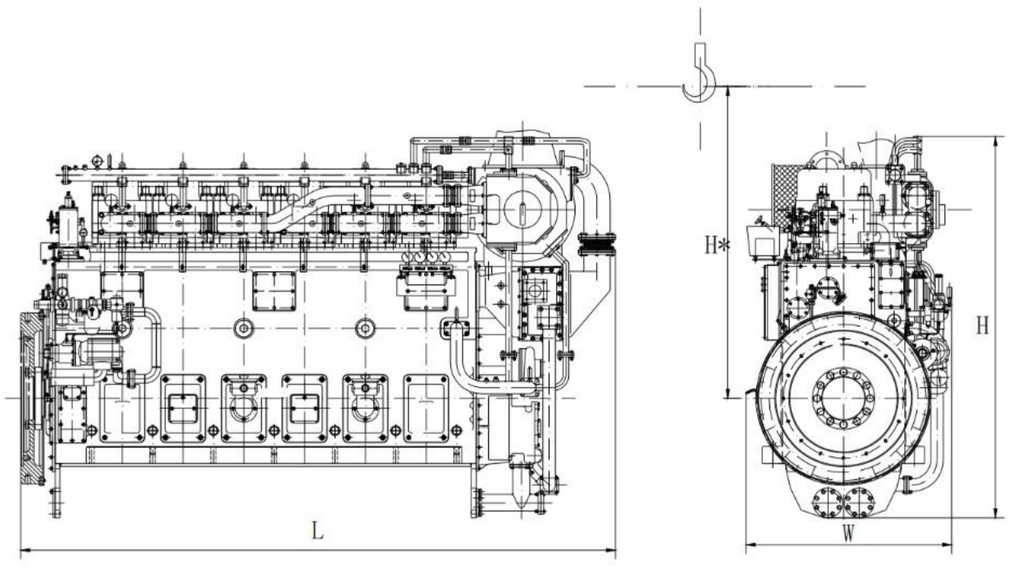
Different harness length of remote monitor

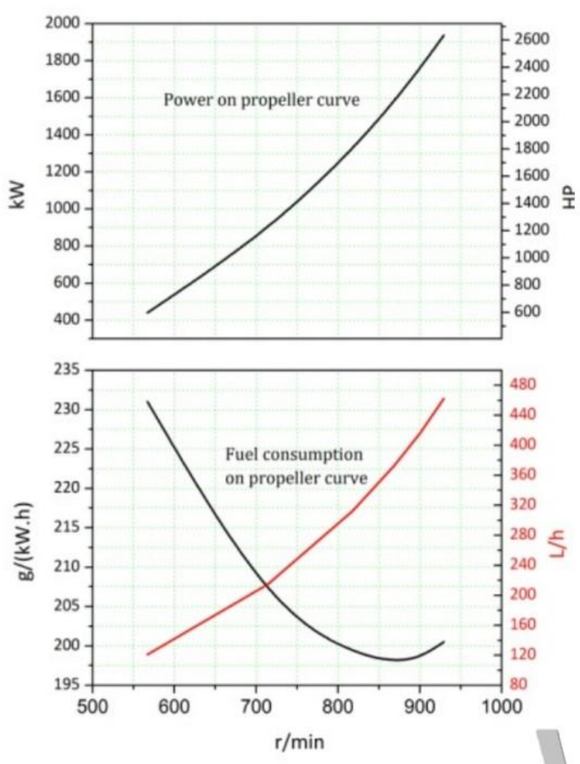
Equipment and factory trial according to major Classification Societies rules

	P1 Duty	P2 Duty	P3 Duty	P4 Duty
Application	Unrestricted continuous	continuous	intermittent	high performance
Engine load variations	Very little or none	continuous	important	very important
Mean engine load factor	80 to 100%	30 to 80%	50%	30%
Annual working time	More than 5000 h	3000 to 5000 h	1000 to 3000h	less than 1000 h
Time at full load	unlimited	8 h each 12 h	2 h each 12 h	1 h each 12 h

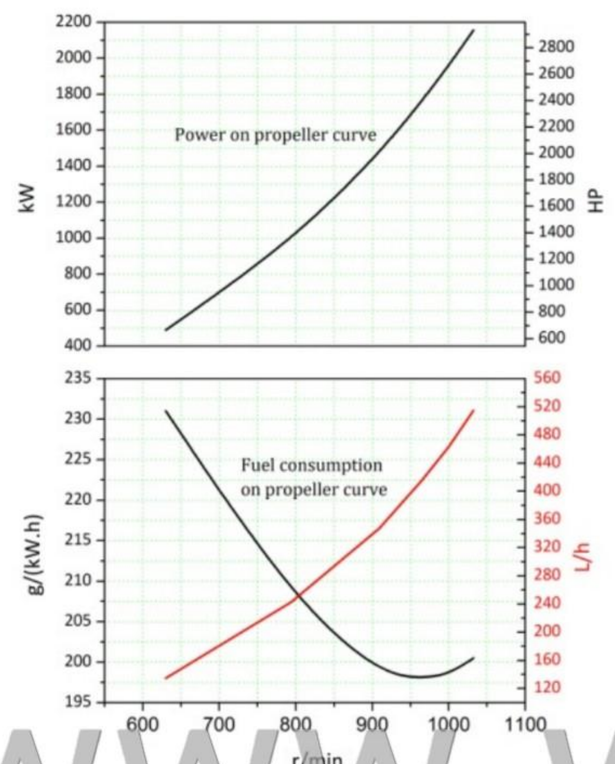
Dimensions and Weight

Length	4596 mm
Width	1369 mm
Height	2457 mm
Dry Weight	15300 kg





CW8250ZLC-2



CW8250ZLC

Power definition

Standard ISO 3046/1 -1995(F)

Reference conditions

Ambiant temperature	25 °C
Barometric pressure	100 kPa
Relative humidity	30%
Raw water temperature	25 °C

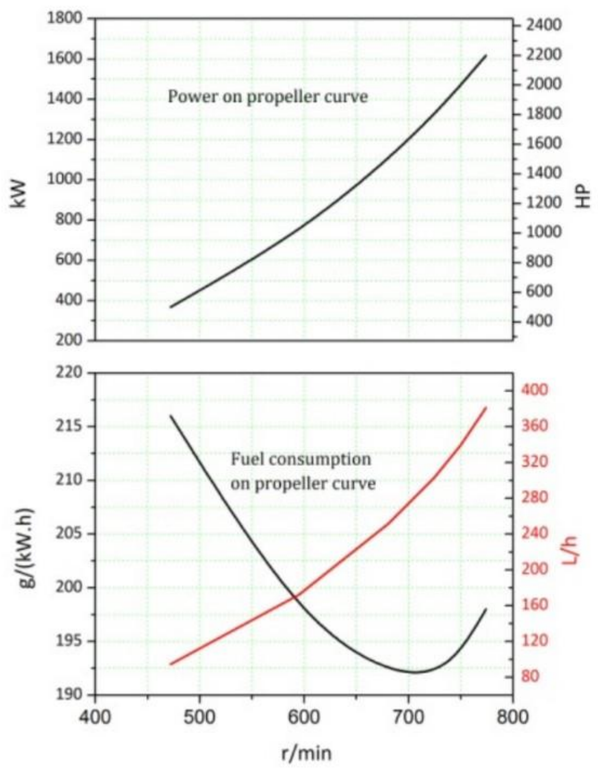
Fuel oil

Relative density	0,840 ± 0,005
Lower calorific power	42 700 kJ/kg
Consumption tolerances	± 5 %

Lube oil

Recommend grade	CD 15W/40

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CW8250ZLC-1