

Marine Engine- CW12V200 Series

General Specifications

Bore & Stroke	200x270 mm
Displacement	101.8 L
Cylinder Number	12
Compression ratio	13.37
Fuel System	Mechanical Pump
Aspiration	TA
Emission Standard	IMO Tier II



Duty	Model	HP	kW	RPM
P1	CW12V200ZC	1632	1200	1000
P1	CW12V200ZC-2	1469	1080	900
P1	XCW12V200ZC	1893	1392	1000

Duty	Model	HP	kW	RPM
P1	XCW12V200ZC-1	1958	1440	1000
P1	XCW12V200ZC-4	1763	1296	900

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

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

Optional Equipments

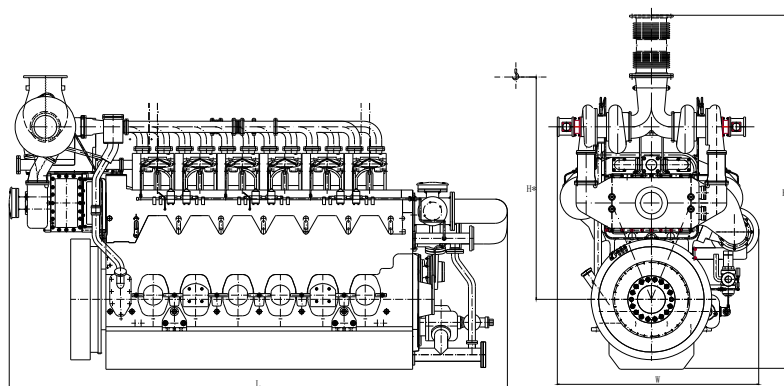
Air starter with storage bottles
Different harness length of remote monitor

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	3953 mm
Width	1700 mm
Height	2600 mm
Dry Weight	10900 kg



Power definition

Standard ISO 3046/1 -1995(F)

Reference conditions

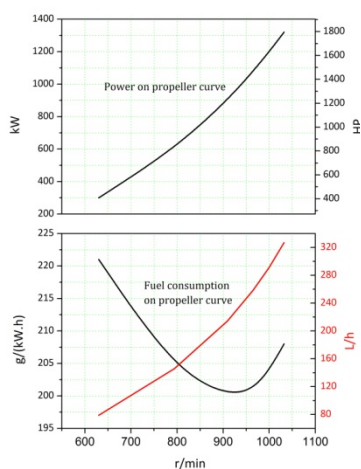
Ambiant temperature	25 °C
Barometric pressure	100 kPa
Relative humidity	30%
Raw water temperature	25 °C

Fuel oil

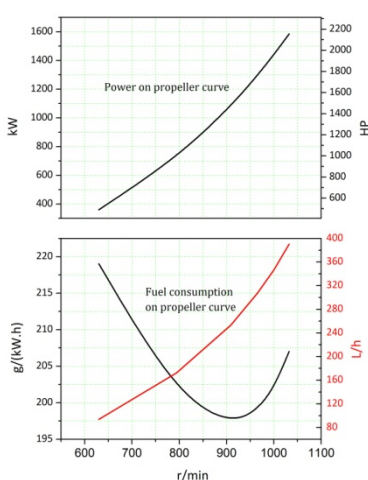
Relative density	0,840 ± 0,005
Lower calorific power	42 700 kJ/kg
Consumption tolerances	± 5 %

Lube oil

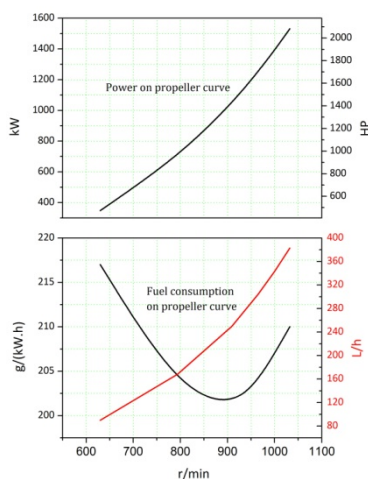
Recommend grade	CD 15W/40
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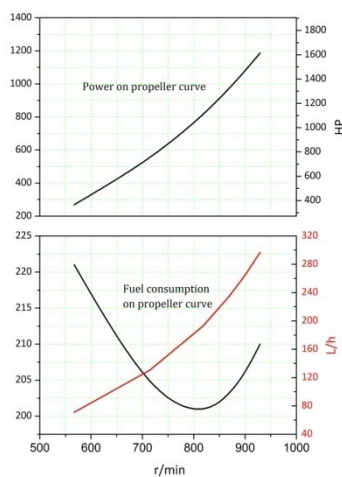
CW12V200ZC



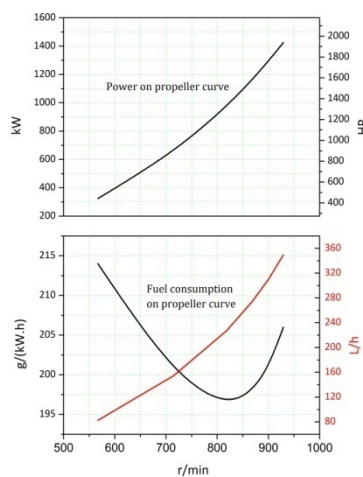
XCW12V200ZC-1



XCW12V200ZC



CW12V200ZC-2



XCW12V200ZC-4

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