

Marine Engine- WP6 Series

General Specifications

Bore & Stroke	105x130 mm
Displacement	6.75 L
Cylinder Number	6
Compression ratio	18:1
Fuel System	Mechanical Pump
Aspiration	T/TA
Emission Standard	IMO Tier II



Duty	Model	HP	kW	RPM
P1	WP6C122-15	122	90	1500
P1	WP6C142-18	142	105	1800
P1	WP6C156-21	156	115	2100
P1	WP6C150-15	150	110	1500
P1	WP6C165-18	165	122	1800

Duty	Model	HP	kW	RPM
P1	WP6C185-21	185	136	2100
P1	WP6C140-23	140	103	2300
P1	WP6C163-23	163	120	2300
P1	WP6C198-23	198	145	2300
P1	WP6C220-23	220	162	2300
P2	WP6C250-25	228	168	2425

Standard Equipments

Engine and block

Cast iron gantry type structure block
One-piece forged Crankshaft
Aluminium alloy pistons with gallery oil cooling
Separate cast iron cylinder heads and wet liners

Cooling system

Fresh/raw water heat exchanger with integrated thermostatic valves and expansion tank
Cast iron centrifugal fresh water pump, mechanically driven by belt
Self-priming raw water pump, mechanically driven

Lubrication system

Spin-on full-flow lub oil filter
Fresh water cooled lube and plate type oil cooler

Fuel system

P-type in-line 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
Voyage safeguard monitor and 5m harness

Flywheel and housing

SAE1 flywheel housing and SAE 14 size flywheel

Certification

CCS and EIAPP

Optional Equipments

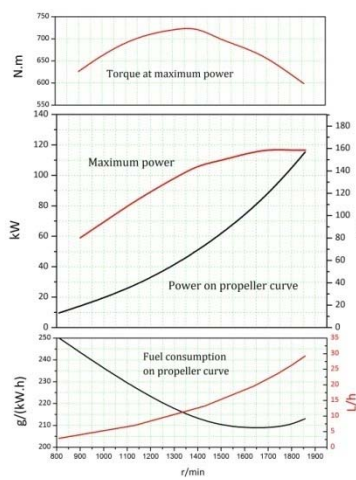
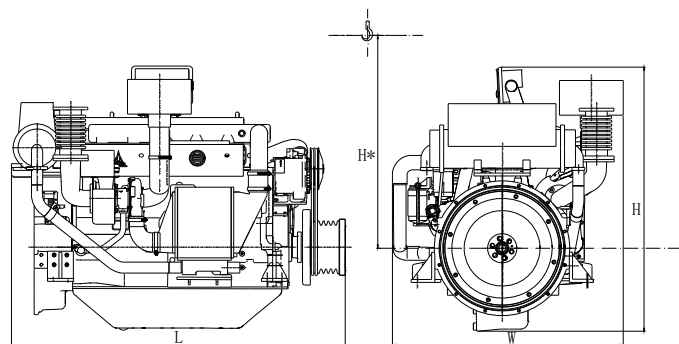
Different harness length of remote monitor
Free end PTO

Equipment and factory trial according to Major Classification Societies rules

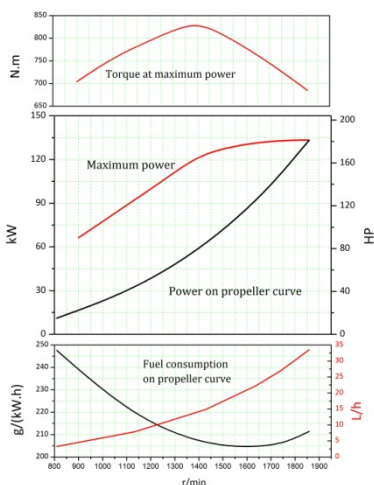
	P1 Duty	P2 Duty	P3 Duty	P4 Duty
Application	Unrestricted continuous	continuous	intermittent	high performance
Engine load variations	Very little or none	continuous	important	very important
Mean engine load factor	80 to 100%	30 to 80%	50%	30%
Annual working time	More than 5000 h	3000 to 5000 h	1000 to 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	1185 mm
Width	744 mm
Height	1083 mm
Dry Weight	750 kg



WP6C142-18



WP6C165-18

Power definition

Standard ISO 3046/1 -1995(F)

Reference conditions

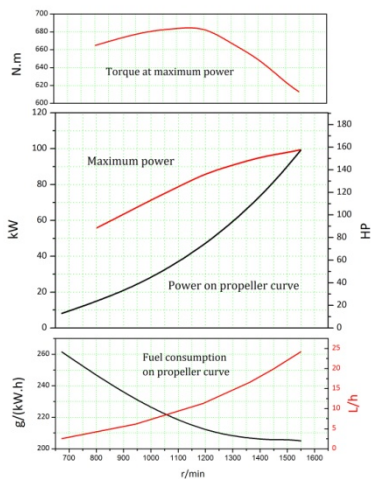
Ambiant temperature	25 °C
Barometric pressure	100 kPa
Relative humidity	30%
Raw water temperature	25 °C

Fuel

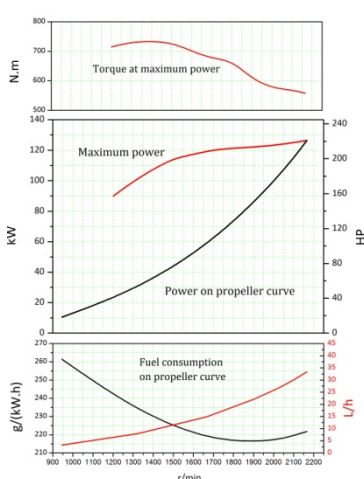
Relative density	0,840 ± 0,005
Lower calorific power	42 700 kJ/kg
Consumption tolerances	± 5 %

Lube oil

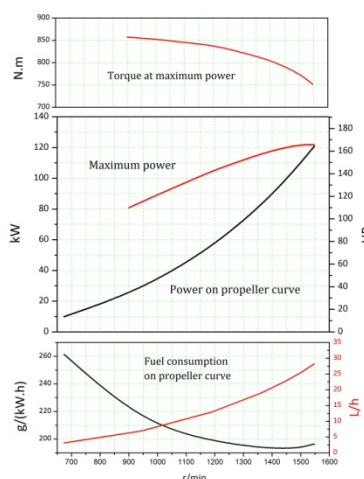
Recommend grade	CF-4 15W/40
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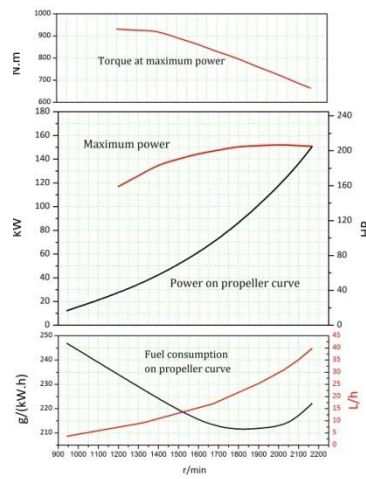
WP6C122-15



WP6C156-21

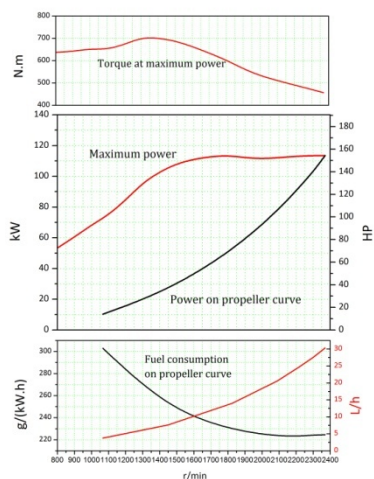


WP6C150-15

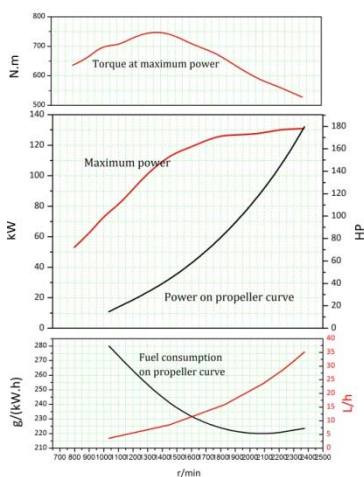


WP6C185-21

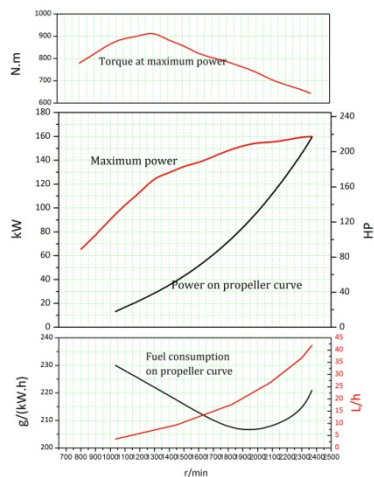
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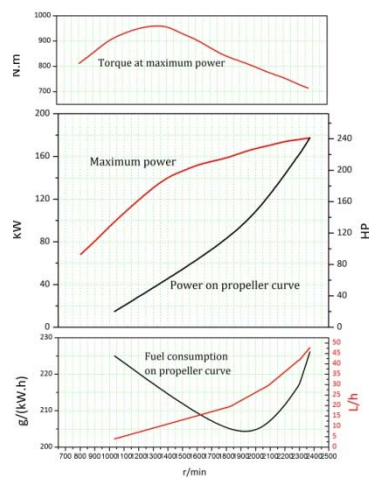
WP6C140-23



WP6C163-23



WP6C198-23



WP6C220-23

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