

Marine Engine- WP4 Series







General Specifications

105x130 mm
4.5 L
4
18:1
Mechanical Pump
T/TA
IMO Tier II

Duty	Model	HP	kW	RPM
P1	WP4C82-15	82	60	1500
P1	WP4C95-18	95	70	1800
P1	WP4C102-21	102	75	2100
P1	WP4C120-18	120	88	1800

Standard Eguipments

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
Water separated filter
Intake air and exhaust system
Washable air filter
Turbocharger optimized for marine application
Insulated exhaust manifold and exhaust expansion joint
Elcetrical system
24V elcetric starter motor and battery charging alternator
Voyage safeguard monitor and 5m harness
Flywheel and housing
SAE1 flywheel housing and SAE 14 flywheel
Certification
CCS

Optional Equipments

Different harness length of remote monitor Free and PTO Equipment and factory trial according to Major Classification Societies rules

	PI 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 3000 h	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

400

300 90

75

60

15

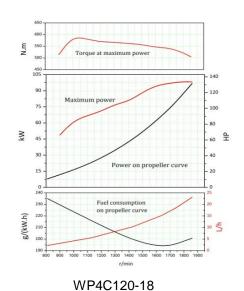
22

N.m

≥ 45 N

g/(kW.h)

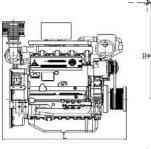
Length	1058 mm
Width	820 mm
Height	1061 mm
Dry Weight	600 kg

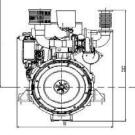


4

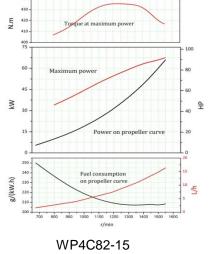
r/h

on propeller cu

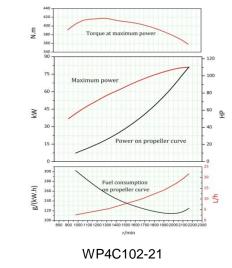




Powe definition Standard ISO 3046/1-1995(F) **Reference conditions** 25 °C Ambiant temperature 100 kPa Barometric pressure Relative humidity 30% 25 °C Raw water temperature Fuel 0,840 ± 0.005 Relative density Lower calorific power 42 700 kJ/kg consumption tolerances ±5% Lub oil Recommend grade CF-4 15W/40



WP4C95-18





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