6 M16



4 stroke diesel engine, direct injection

Bore and stroke	126 x 130 mm
Number of cylinders	6 in line
Total displacement	9.7 litres
Compression ratio	17/1
Engine rotation (ISO 1204 standard)	CCW *
Idle speed	650 rpm
Weight (without water & oil)	1056 kg
Flywheel housing	SAE 1
Flywheel	SAE 14"

* counter-clockwise

RATED POWER

Duty	rpm	kW	hp	Full load fuel consumption (g / kW.h)	IMO
P2	2100	264	360	210	Ш

STANDARD EQUIPMENTS

Engine and block

Cast iron cylinder block, with replaceable cylinder liners Replaceable valves guides and seats Steel forged crankshaft with 7 bearings Light alloy piston with 3 high performance piston rings

Cooling system

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

Bronze self-priming raw water pump, mechanically driven

Lubrification system

Full flow oil filters Fresh water cooled lube oil cooler

Fuel system

In line injection pump with flanged mechanical governor Double wall injection bundle Duplex fuel filters replaceable engine running Water separator

Intake air and exhaust system

Exhaust gas manifold cooled by the engine fresh water Turbo blower with insulated turbine housing Low water temperature cooled intake air cooler

Electrical system

Voltage: 24Vcc Electrical starter on flywheel crown 55A battery charger



Reference conditions

Ambiant temperature Barometric pressure Relative humidity Raw water temperature	25 °C / 77 °F 100 kPa 30 % 25 °C / 77 °F
Limit conditions	ISO 3046
Fuel oil Relative density Lower calorific power Consumption tolerances Inlet limit temperature	0,840 ± 0,005 42 700 kJ/kg 0 ± 5 % 35 °C / 95 °F

Inlet limit temperature35 °C / 95 °FOur ratings also comply with classification societies
maximum temperature definition without power
derating.

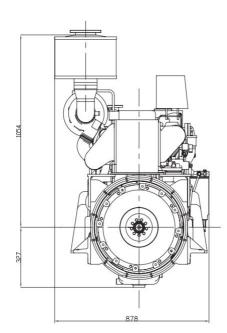
Ambiante temperature	45 °C / 113 °F
Raw water temperature	32 °C / 90 °F

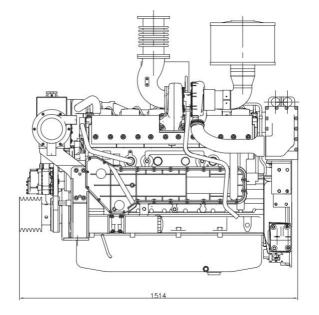
P2 dutyApplicationcontinuousEngine load variationsnumerousMean engine load factor30 to 80 %Annual working time3000 to 5000 hTime at full load8 h each12 h

P2 typical applications

passengers vessels, harbour tug boats, motorbarges, coastal freighters, tuna boats, seiners, netters, potting boats, longliners, buoyers, supply vessels, oceanographic research vessels, commercial pleasure crafts

DIMENSIONS





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