

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	II

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

Lubrication 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

Power definition

Standard ISO 3046/1 - 1995 (F)

Reference conditions

Ambiant temperature	25 °C / 77 °F
Barometric pressure	100 kPa
Relative humidity	30 %
Raw water temperature	25 °C / 77 °F

Limit conditions ISO 3046

Fuel oil

Relative density	0,840 ± 0,005
Lower calorific power	42 700 kJ/kg
Consumption tolerances	0 ± 5 %
Inlet limit temperature	35 °C / 95 °F

Our 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 duty

Application	continuous
Engine load variations	numerous
Mean engine load factor	30 to 80 %
Annual working time	3000 to 5000 h
Time at full load	8 h each 12 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