Not contractual picture

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

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

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 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