6 W105M

Not contractual picture

4 stroke diesel engine, direct injection

Bore and stroke	**105 x 130 mm**
Number of cylinders	**6 in line**
Total displacement	**6.75 litres**
Compression ratio	**18/1**
Engine rotation (ISO 1204 standard)	**CCW ***
Idle speed	**650 rpm**
Weight (without water & oil)	**810 kg**
Flywheel housing	**SAE 3**
Flywheel	**SAE 11.5"**

* counter-clockwise

RATED POWER

Duty	rpm	kW	hp	Peak torque / speed (N.m / rpm)	Full load fuel consumption (g / kW.h)	IMO
P2	2100	136	185	890 / 1100	211	II
P3	2425	168	228	782 / 1400	216	II
P4	2500	185	252	780 / 1400	226	-

STANDARD EQUIPMENTS

Engine and block
Cast iron cylinder block, with replaceable cylinder liners
Separate cast iron cylinder heads
Replaceable valves guides and seats
Steel forged crankshaft with 7 bearings
Lube oil cooled 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 screwable 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
Insulated exhaust gas manifold
Turbo blower with insulated turbine housing
Low water temperature cooled intake air cooler

Electrical system
Voltage: 24Vcc
Electrical starter on flywheel crown
35A battery charger

OPTIONAL EQUIPMENTS (extracts) *

Cooling system adapted for box / keel cooling
Connection for emergency raw water circuit
Bilge pump
Air starter

Free end PTO
Resilient mounts under engine
Exhaust water injection after turbocharger

* contact us for further information regarding our options.

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

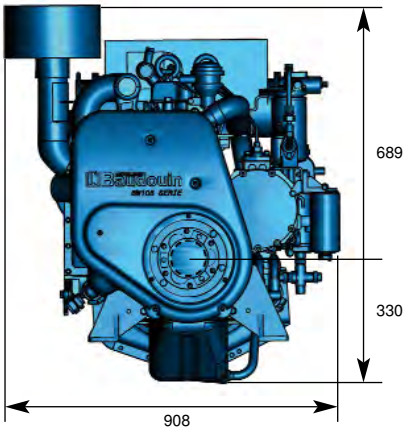
Relative density	0,840 ± 0,005
Lower calorific power	42 700 kJ/kg
Consumption tolerances	0 ± 5 %
Inlet limit temperature	35 °C / 95 °F

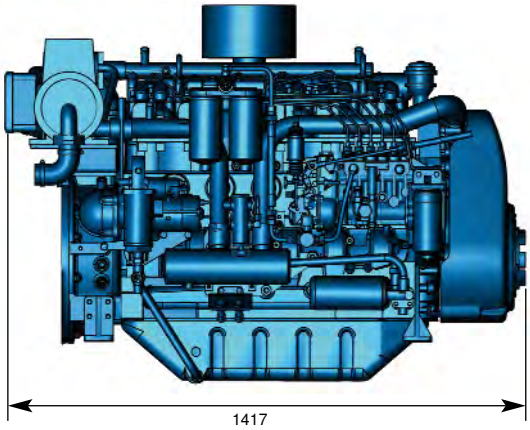
Our ratings also comply with classification societies maximum temperature definition without power derating.

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

	P2 duty	P3 duty	P4 duty
Application	continuous	intermittent	high performance
Engine load variations	numerous	important	very important
Mean engine load factor	30 to 80 %	50 %	30 %
Annual working time	3000 to 5000 h	1000 to 3000 h	less than 1000 h
Time at full load	8 h each 12 h	2 h each 12 h	1 h each 12 h

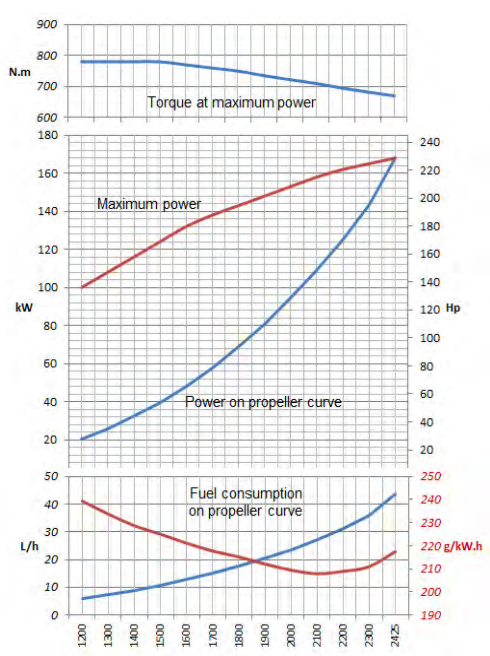
DIMENSIONS



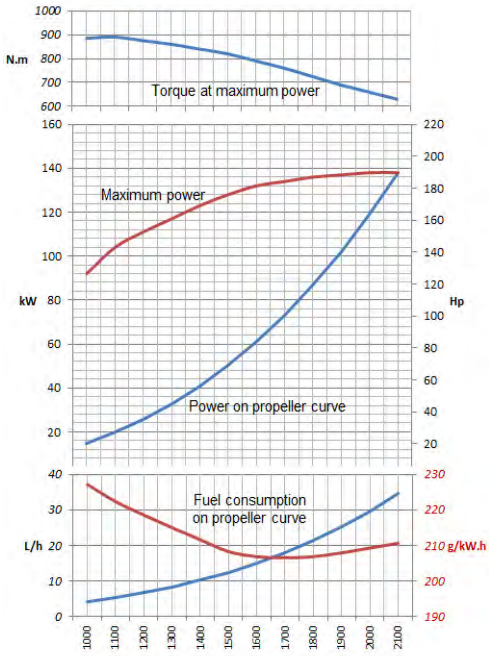


PERFORMANCES

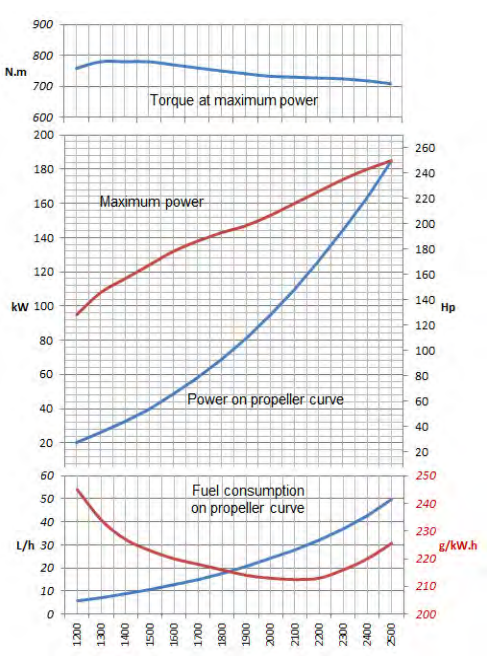
P2 rating - 136 kW / 185 hp @ 2100 rpm



P3 rating - 168 kW / 228 hp @ 2425 rpm



P4 rating - 185 kW / 252 hp @ 2500 rpm



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