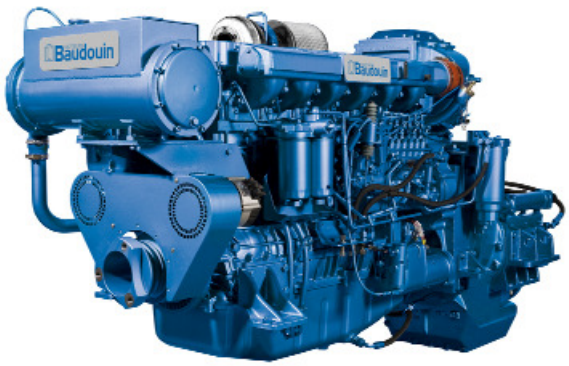
6 W126M



Not contractual picture

4 stroke diesel engine, direct injection

Bore and stroke	**126 x 155 mm**
Number of cylinders	**6 in line**
Total displacement	**11.6 litres**
Compression ratio	**17/1**
Engine rotation (ISO 1204 standard)	**CCW ***
Idle speed	**600 rpm**
Weight (without water & oil)	**1200 kg**
Flywheel housing	**SAE 1**
Flywheel	**SAE 14"**

* counter-clockwise

RATED POWER

Duty	rpm	kW	hp	Peak torque / speed (N.m / rpm)	Full load fuel consumption (g / kW.h)	IMO	CCNR
P1	1800	294	400	1914 / 1000	200	II	II
P2	2100	331	450	2004 / 1200	210	II	II

STANDARD EQUIPMENTS

Engine and block
Cast iron cylinder block, with replaceable cylinder liners
Separate cast iron cylinder heads equipped with 4 valves
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 duplex type 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

	P1 duty	P2 duty
Application	unrestricted continuous	continuous
Engine load variations	very little or none	numerous
Mean engine load factor	80 to 100 %	30 to 80 %
Annual working time	more than 5000 h	3000 to 5000 h
Time at full load	unlimited	8 h each 12 h

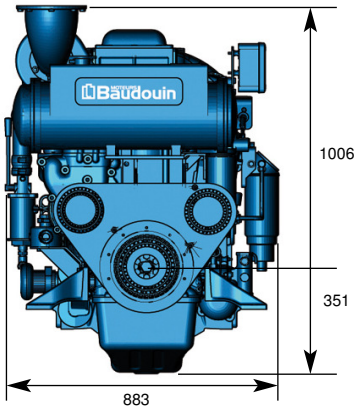
P1 typical applications

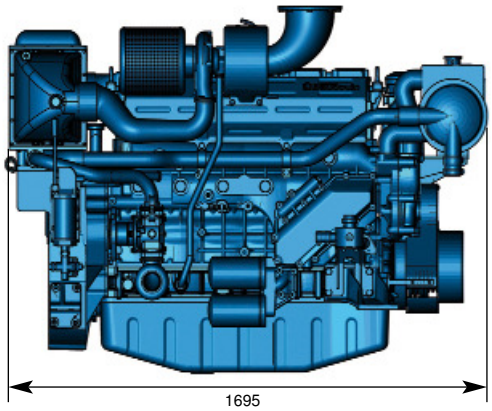
deep sea trawlers, shrimps trawlers, sea going tug boats, river tug boats, push boats, freighters, dredges, LCT, ferries

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

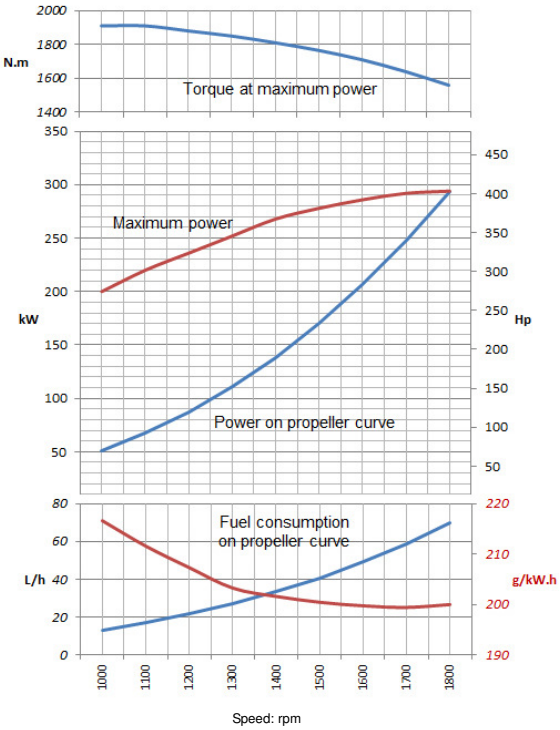
DIMENSIONS



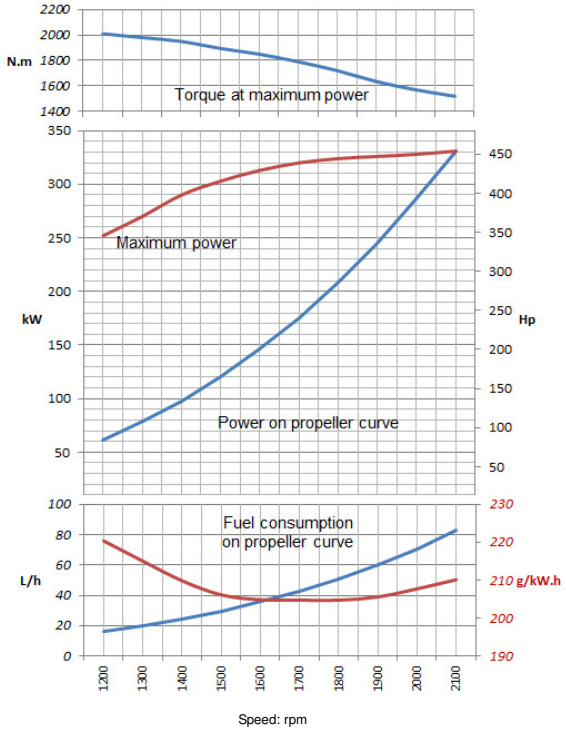


PERFORMANCES

P1 rating - 294 kW / 400 hp @ 1800 rpm



P2 rating - 331 kW / 450 hp @ 2100 rpm



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