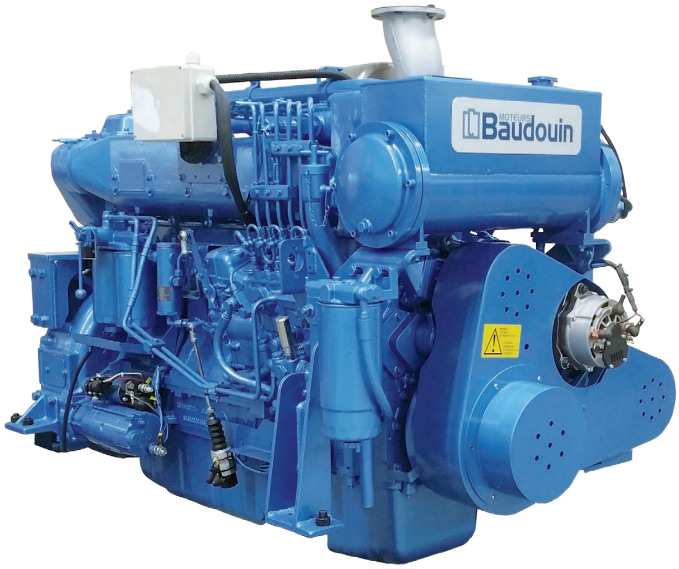
Marine Engines

6 M16

4 Stroke diesel engine, direct injection

Bore and stroke	126 x 130 mm
Number of cylinders	6 in line
Total displacement	9,70 litres
Compression ratio	17/1
Engine rotation (ISO 1204 standard)	counterclockwise
Idle speed	650 rpm
Flywheel housing	SAE 1
Flywheel	SAE 14"



Customer benefits

Continuous compact power with reference performances in its category

Global environment care with low exhaust emissions and controlled fuel consumption at any running cycle

Simple technology with mechanical injection

Life cycle cost efficiency with extended mean time between overhauls (MBTO)

Rated power - Fuel consumption

Duty	kW	hp	rpm	Fuel consumption g/kWh	IMO
P2	264	360	2100	210	II

	P2
Application	continuous
Engine load variations	numerous
Average engine load factor	30 to 80%
Annual working time	3000 to 5000 h
Time at full load	8 h each 12 h

Power definition

Standard ISO 3046/1 - 1995 (F)

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

Reference conditions

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

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

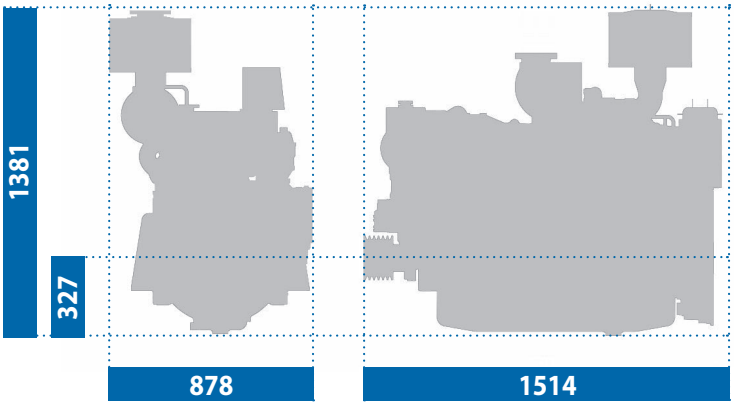
Our ratings also comply with classification societies maximum temperature definition without power derating.

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

Standard equipment

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

Dimensions and dry weight (mm / kg)



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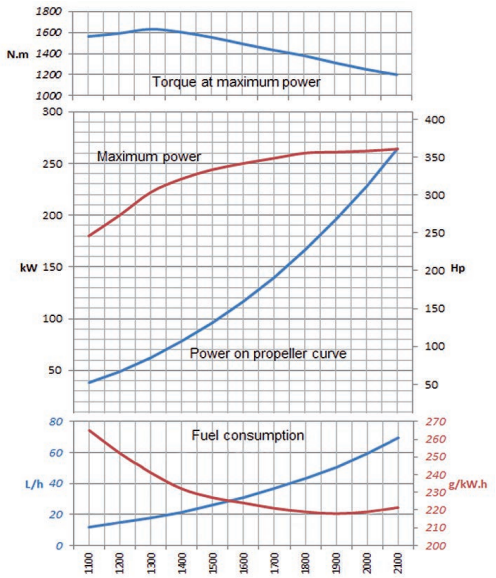
Performance

P2 - 264 kW - 360 hp @2100 rpm



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