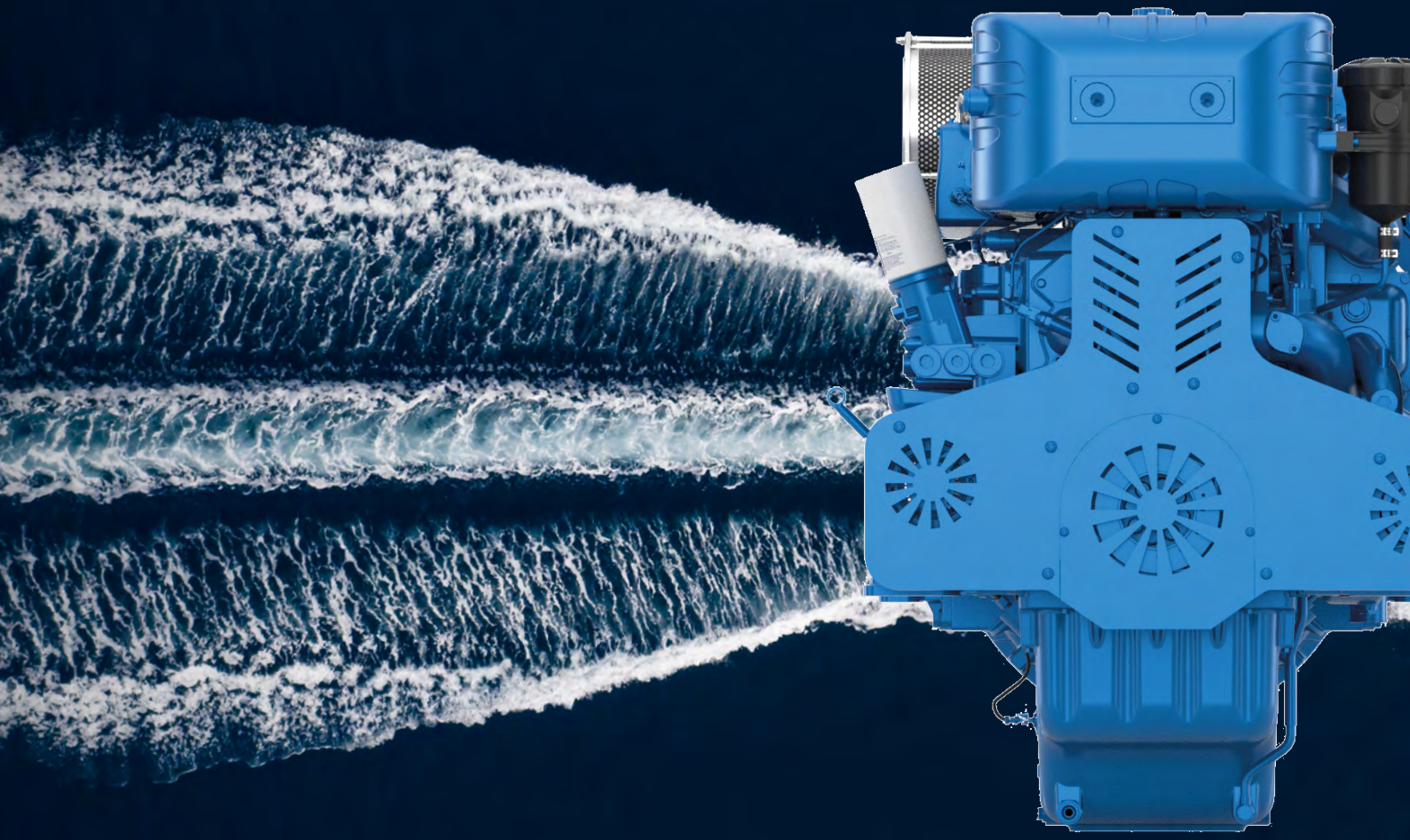
MOTEURS Baudouin



6M33.3

Auxiliary Diesel Engine

6M33.3

Common rail injection



Number of cylinders	L6
Bore & Stroke (mm)	150 x 185
Displacement (L)	19.6
Engine rotation	Counterclockwise
Idle speed (rpm)	650
Fly wheel	18"
Fly wheel housing	SAE 0

Ratings				Fuel Consumption		Emissions
Ratings	kW	RPM	HP	g/kWh	l/h	IMO
PRP	552	1800	750	211	142	II
PRP	574	1800	780	210	147	II

Generator Sets Engines

Power Class		Definition
PRP	Prime Power	Unrestricted running time Time at full load ≤ 500hrs/year Load variation ≤ 75% of rated power 10% overload 1hr/12hrs
ESP	Emergency Standby Power	Running time 200hrs/year max Load variation 110% of Prime power Average Load factor should not exceed 70% of the engine's ESP rating

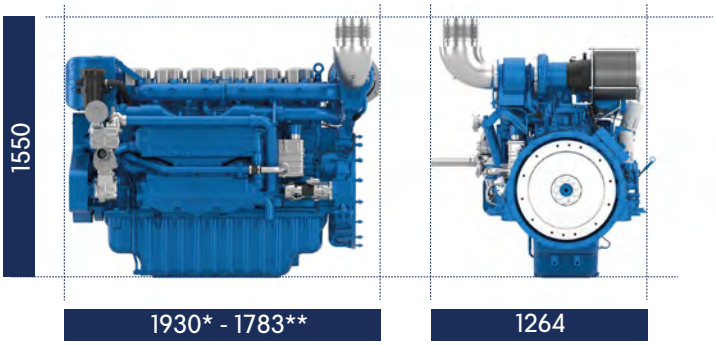
Baudouin's Engine DNA: Genuine Marine Power, Efficiency & Reliability

Our genuine marine engine design is specifically engineered for marine applications, ensuring durability, performance, and seamless integration in the most demanding environments. Designed for easy maintenance, our engines feature individual cylinder heads, allowing for quick servicing and minimal downtime to ensure uninterrupted operations. Built with key components made from highly durable materials, our engines guarantee long-term reliability and endurance in every condition.

6M33.3

Common rail injection

Dimensions and dry weight (mm/kg)



2432kg Weight with 5% tolerance

*total
**from flywheel

Standard equipment

Cooling System

Two-stage cooling circuit with integrated HT thermostatic valve
High efficiency heat exchanger (Tube Type) with integrated fresh water expansion tank
Belt-driven self-priming raw water pump with bronze impeller

Lubrication System

Duplex full-flow spin-on lube oil filters
Freshwater-cooled lube oil cooler
Electric pre-lubrication and oil drain pump

Fuel System

Electronically controlled common-rail fuel injection system
Double-wall fuel injection pipe with leakage detection system
Duplex fuel prefilter with water separator

Intake Air and Exhaust System

Double flow raw water cooled intake air heat exchanger module
High efficiency dry-type turbocharger with heat insulation

Electrical System

24V DC system, Insulated
Electrical Starter
Battery Charger 200A

Optional Equipment

Keel Coooling configuration
1400N.m front PTO with elastic coupling
Elastic mounting
Closed circuit blow by filtration
Air starter
Fresh water pre-heater
Cabin heating connections
Full class compliant engine on demand
Master BMS for full class engines
Additional displays

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	± 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

Moteurs Baudouin reserve the right to modify these specifications, without notice. Document not contractual.

M.P.S.6M33-3.EN.11.26