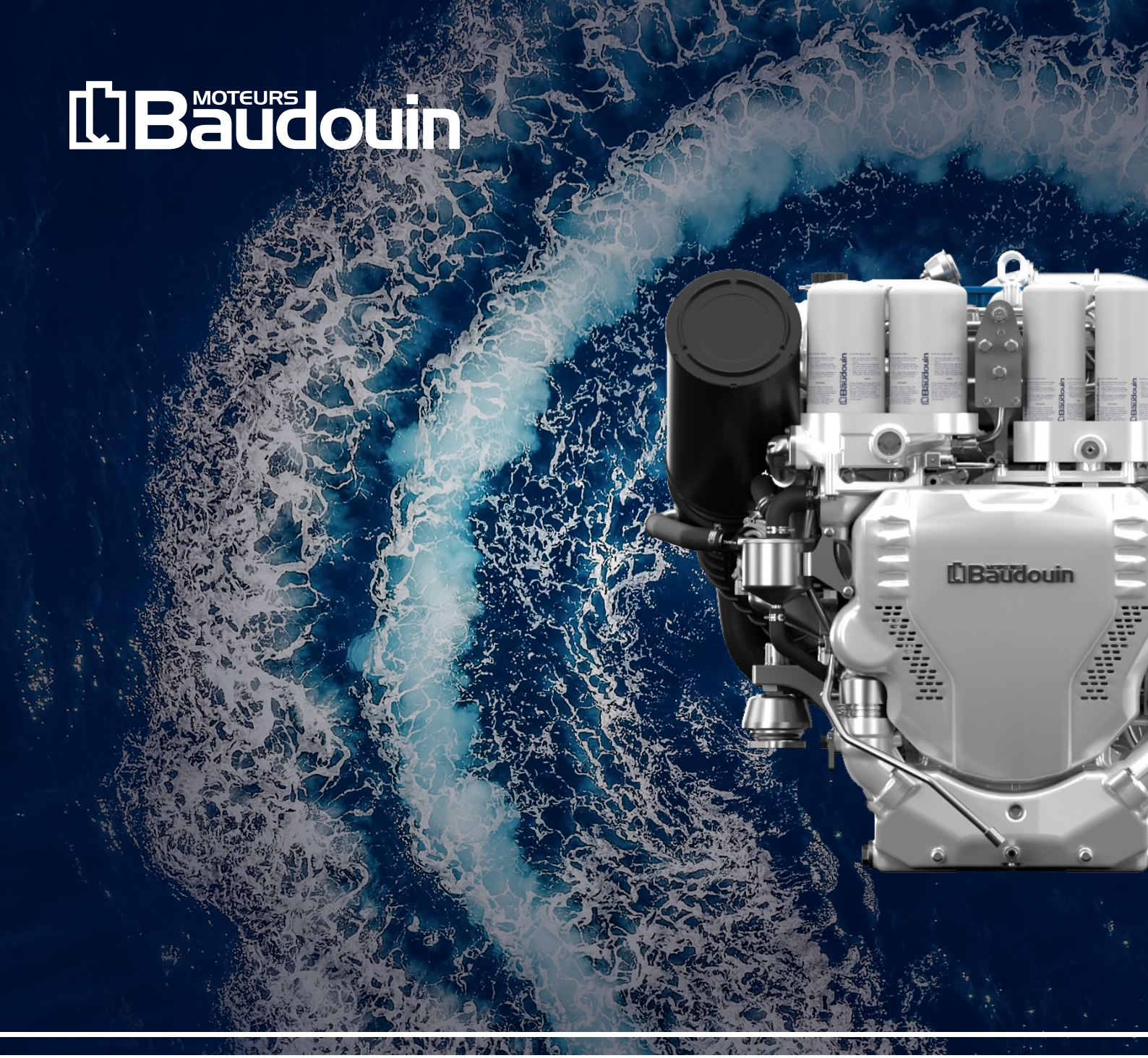
MOTEURS Baudouin

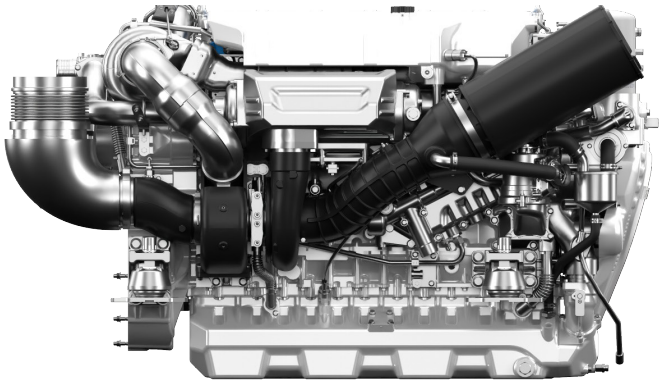


6F21

Propulsion Diesel Engine

6F21

Propulsion Diesel Engine



Number of cylinders	6
Bore and stroke (mm)	127 X 165
Total displacement (L)	12.5
Engine rotation	counter clockwise
Idle speed	700
Flywheel	SAE 1
Flywheel housing	SAE 14"

Customer benefits

Most advanced Common Rail technology and high-end injection system (2200 bar), key to achieve strict emissions regulations and competitive performances.

Highly efficient turbochargers optimized to operate with high performance keeping fuel consumption under control.

Individual cylinder heads allowing easy maintenance.

Key components made of highly reliable materials.

Rated power - Fuel consumption

Duty	kW	HP	RPM	Fuel consumption			IMO
				Optimum value	Rated power		
				g/kWh	g/kWh	l/h	
P5	735	1000	2300	186	228	197	II

	P5
Application	High performance
Engine load variations	Important
Average Engine load factor	60%
Annual working time	500h
Time at full load	1h each 12h

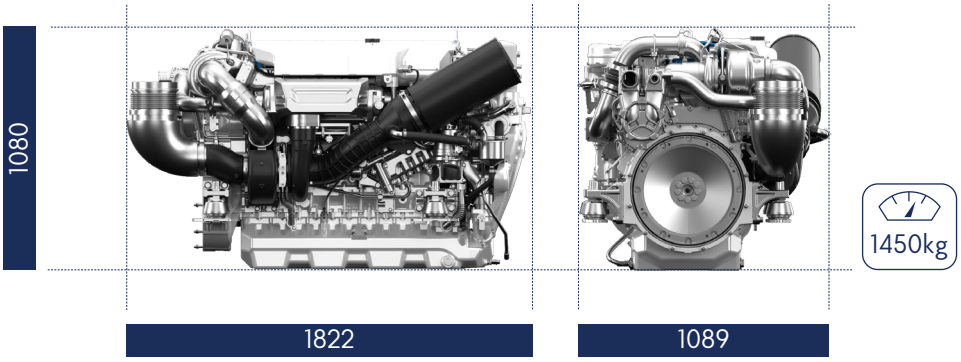
P5 High performance Duty

- Private pleasure boats
- Multi-hull pleasure boats

6F21

Propulsion Diesel Engine

Dimensions and dry weight (mm/kg)



Standard equipment

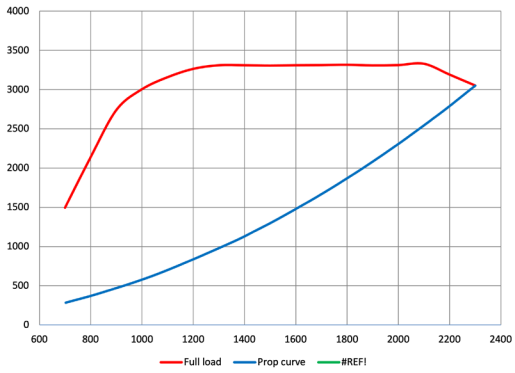
Cooling System	Two - stage cooling circuit with built - in HT thermostatic valve Integrated fresh water expansion tank High efficiency tubular heat exchanger Gear driven centrifugal fresh water pump Self priming raw water pump with bronze impeller
Lubrication System	Full flow lube oil filters duplex type Fresh water cooled lube oil heat exchanger
Fuel System	Common-rail electronic injection High pressure pump with shielded high pressure injection rail and pipes Fuel oil filter duplex type External fuel pre-filter with water separator
Intake Air and Exhaust System	Double flow raw water cooled intake air heat exchanger module High efficiency dry turbocharger with ball bearing technology Two Stage Turbocharging system
Electrical System	Voltage: 24V DC insulated Electrical starter 190A battery alternator
Optional Equipment	Wet exhaust PTO elastic coupling Additional pulley Electric drain system Standard PTO for hydraulic pump Electrical rotary actuator

Contact us for further information regarding our options.

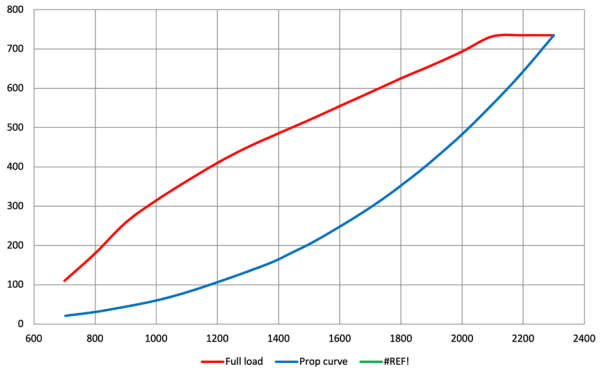
Performance

P5 735@2300

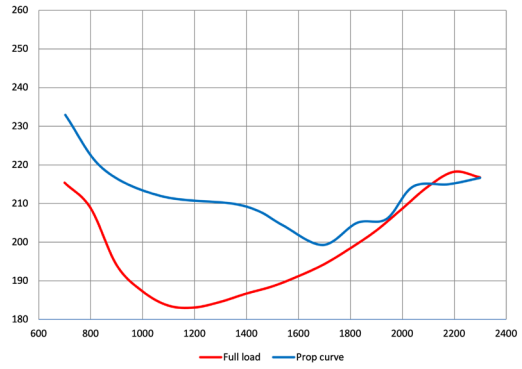
Torque



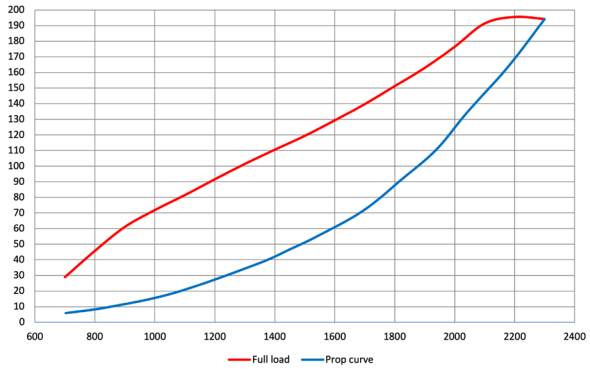
Power



BSFC (g/kWh)



BSFC (L/H)



Power definition

(Standard ISO 3046/1 - 1995 (F))

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% (DIN ISO 3046-1)
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