MOTEURS Baudouin

6W105M

Mechanical injection diesel engine

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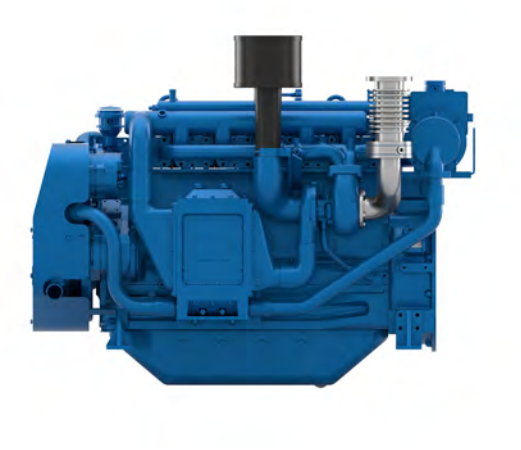

Number of cylinders	6
Bore and stroke (mm)	105 X 130
Total displacement (L)	6.7
Cylinders	L6
Engine rotation	Counter clockwise
Idle speed	650
Flywheel	SAE 3
Flywheel housing	SAE 11.5"

Rated power

Duty	kWm	HP	RPM	Fuel consumption			IMO
				Optimum value	Rated power		
				g/kWh	g/kWh	l/h	
P2	136	185	2100	211	219	35	II
P3	168	228	2425	213	225	44	II

	P1	P2	P3
Application	Unrestricted Continuous	Heavy	Intermittent
Engine load variations	Very Little To None	Continuous	Important
Average Engine load factor	80-100%	30-80%	50%
Annual working time	More Than 5000 H	3000 -5000 H	1000 - 3000 H
Time at full load	Unlimited	8h Each 12h	2h Each 12h

P1 Continuous Duty

- Deep sea trawlers
- Shrimps trawlers
- Sea going tug boats
- River tug boats
- Push boats
- Freighters
- Dredges
- LCT
- Ferries

P2 Heavy Duty

- Deep sea trawlers
- Shrimps trawlers
- Sea going tug boats
- River tug boats
- Push boats
- Freighters
- Dredges
- LCT
- Ferries

P3 Intermittent Duty

- Seasonal passenger vessels
- Fishing boats
- Pilot boats
- Commercial pleasure boats
- Pump boats
- Displacement sailboats
- Trawlers
- Bow thrusters

P4 Light Duty

- Private pleasure boats
- Multi-hull pleasure boats
- Survey or rescue fast vessels
- Military fast vessels.

P5 High performance Duty

- Private pleasure boats
- Multi-hull pleasure boats

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.

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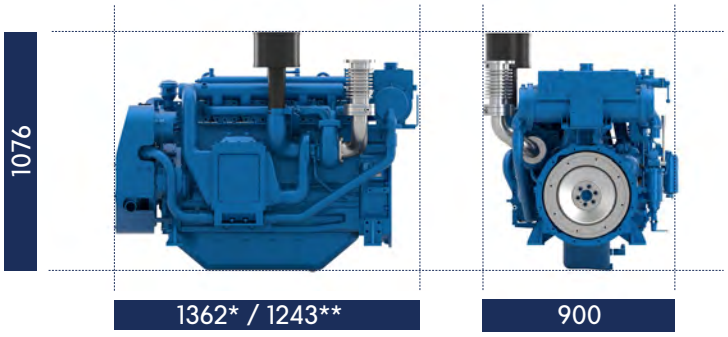
Dimensions and dry weight (mm/kg)



780kg

*total
**from flywheel

Standard equipment

Cooling System	Integrated fresh water expansion tank High efficiency tubular heat exchanger Gear driven centrifugal raw water pump Self priming raw water pump
Lubrication System	Full flow lube oil filters simple type Fresh water cooled lube oil heat exchanger
Fuel System	Mechanical injection Fuel oil filter duplex type External fuel pre-filter with water separator Double wall injection bundle
Intake Air and Exhaust System	Dry single stage turbocharger
Electrical System	Voltage: 24V DC insulated Electrical starter 55A battery charger
Optional Equipment	Keel Cooling configuration Wet exhaust Elastic pads

Contact us for further information regarding our options.

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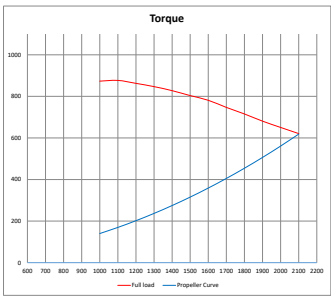
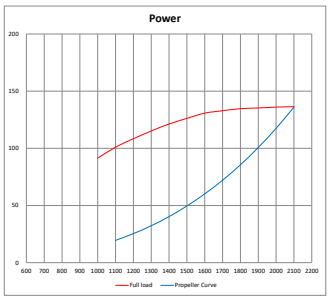
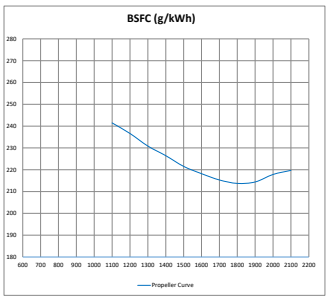
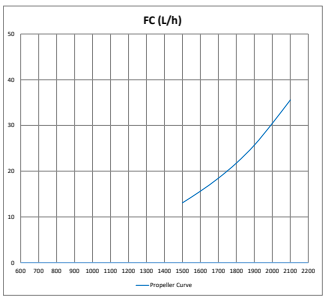
Performance

P2 - 136kW - 2100rpm

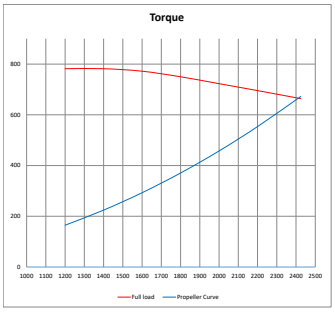


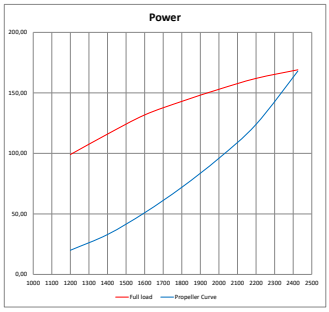


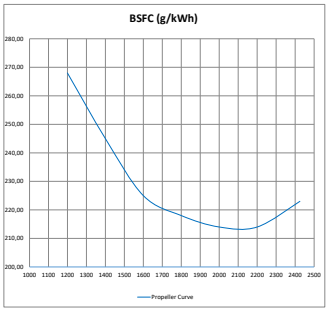


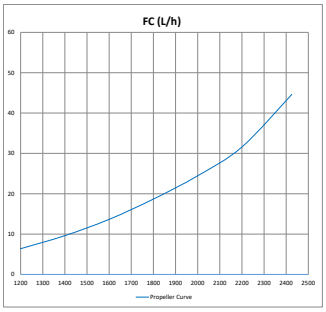


P3 -168kW - 2425rpm









Power definition

(Standard ISO 3046-1:2002)

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