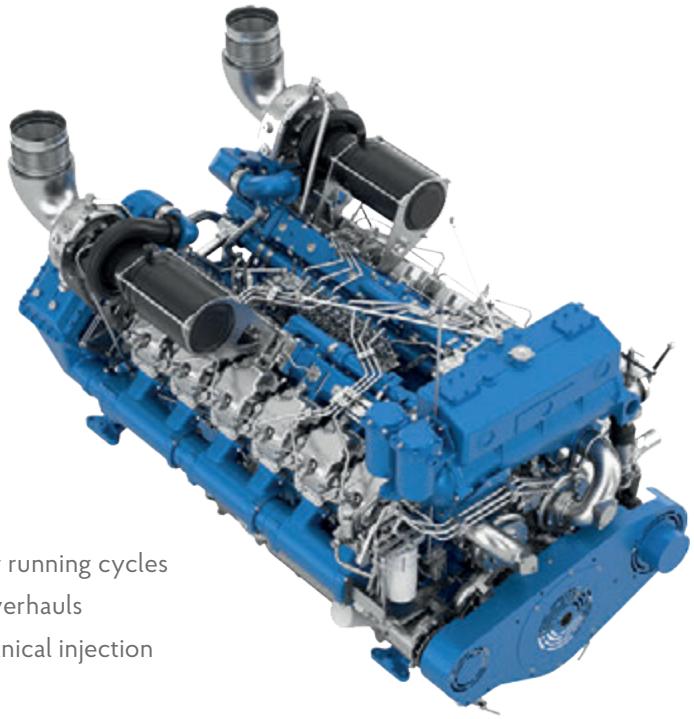
MOTEURS Baudouin

Marine Engines

12M33.2

4 Stroke diesel engine, direct injection

Number of cylinders	12V @ 90
Bore and stroke (mm)	126 X 185
Total displacement (L)	39.2
Compression ratio	15/1
Engine rotation	counter clockwise
Idle speed	650
Flywheel	SAE 0
Flywheel housing	SAE 18"



Customer benefits

Compact size with one of the best in class power outputs

Controlled fuel consumption with low exahust emissions at any running cycles

Life cycle cost efficiency with extended mean time between overhauls

Easy maintenance as the engine is equipped with somple mechanical injection

Rated power - Fuel consumption

Duty	kW	HP	RPM	Fuel consumption			IMO	EPA
				Optimum value	Rated power			
				g/kWh	g/kWh	l/h		
P1	956	1300	1800	205	215	244	II	NO
P2	1029	1400	1800	205	218	266	II	NO
P2	1104	1500	1800	210	221	288	II	NO

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

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

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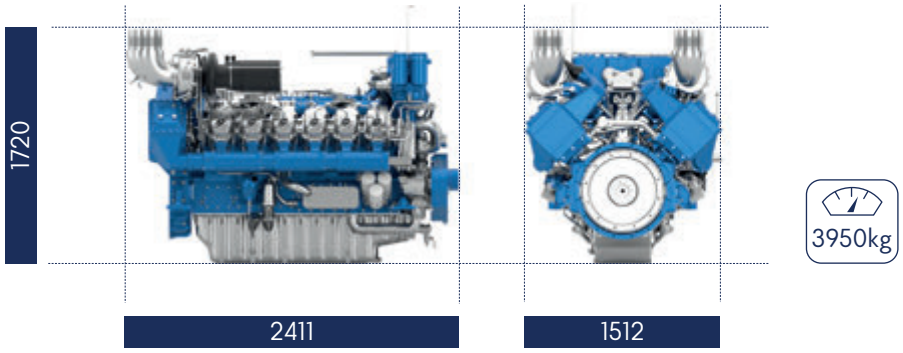
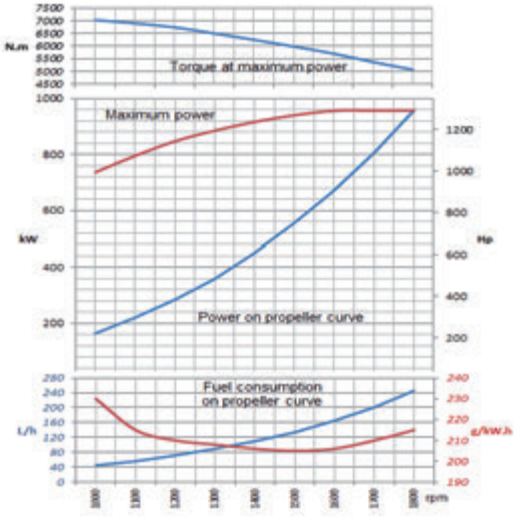
Dimensions and dry weight (mm/kg)

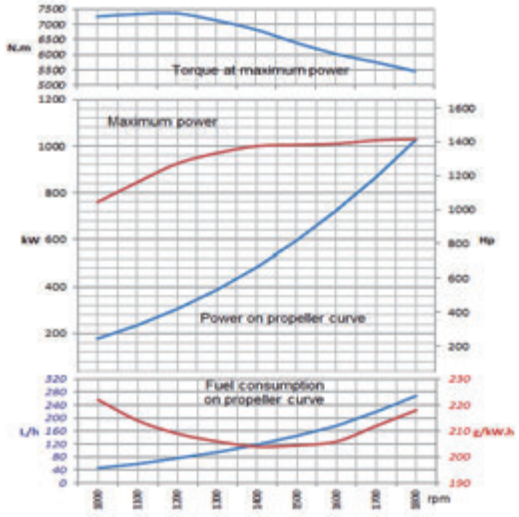


Performance

P1 - 956 kW - 1300 hp @1800rpm



P2 - 1029 kW - 1400 hp @1800rpm



P2 - 1103 kW - 1500 hp @1800rpm