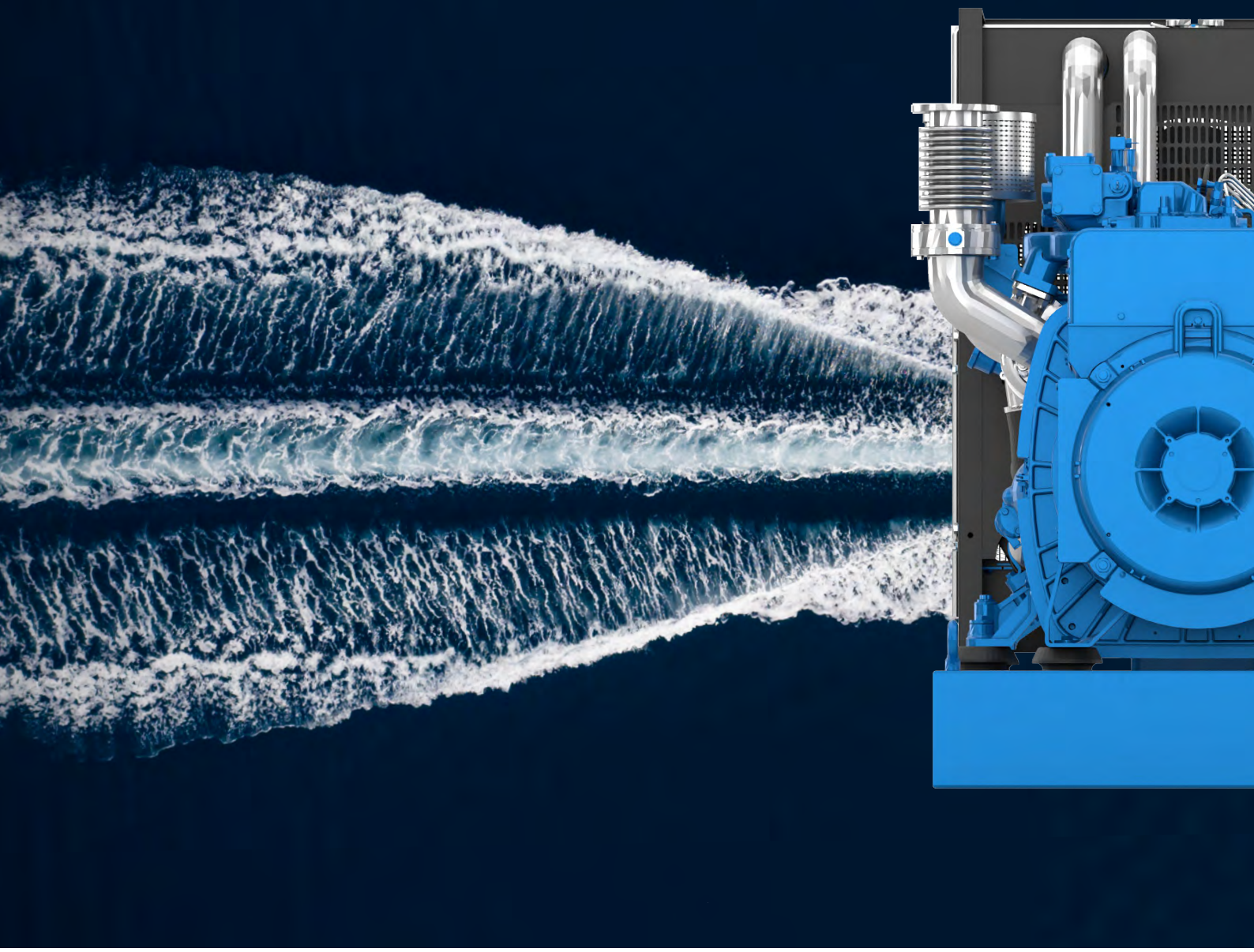
MOTEURS Baudouin



4W105ES

Emergency Marine Generator Set

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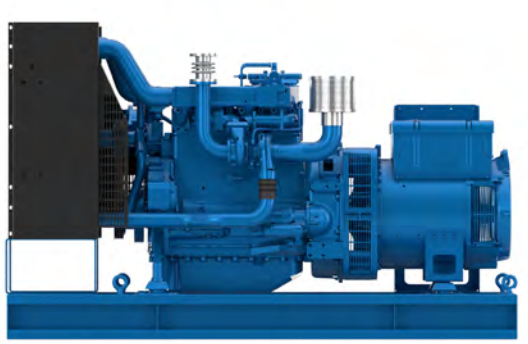
Emergency Marine Generator Set



Number of cylinders	4
Bore & Stroke (mm)	150 x 130
Displacement (L)	105
Cylinders	L4
Engine rotation	Counter clockwise
Idle speed	700
Fly wheel	SAE 3
Fly wheel housing	SAE 11"5

Ratings					Fuel Consumption					
					@ 100%		@ 75%		@ 50%	
Rating	Hz	kVA	kWe	RPM	g/kWh	l/h	g/kWh	l/h	g/kWh	l/h
ESP	50	100	80	1500	132	21	136	16	148	12
PRP	50	100	80	1500	201	21	204	16	217	11
ESP	60	125	100	1800	132	21	137	16	148	12
PRP	60	125	100	1800	209	27	198	19	230	15

Generator Sets & Auxiliary 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

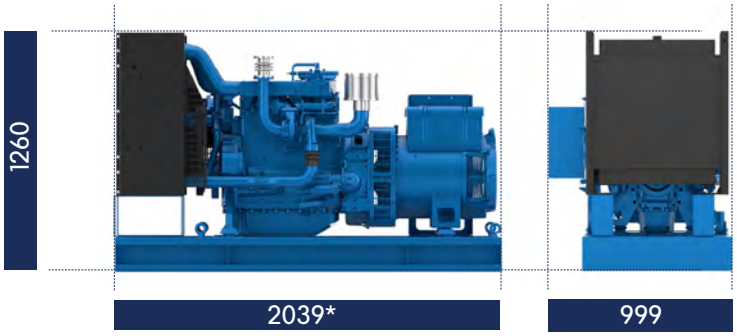
Baudouin's Engine DNA: Genuine Marine Power, Efficiency & Reliability

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.

4W105ES

Emergency Marine Generator Set

Dimensions and dry weight (mm/kg)



1310kg

*from flywheel

Standard equipment

Cooling System
Integrated fresh water expansion tank
High efficiency tubular heat exchanger
Radiator and fan

Lubrication System
Full flow lube oil filters duplex type
Fresh water cooled lube oil heat exchanger

Fuel System
Mechanical injection
Fuel oil filter duplex type
External fuel pre-filter with water separator

Intake Air and Exhaust System
Dry single stage turbocharger

Electrical System
Voltage: 24V DC insulated
Double Electrical starter

Generator
50/60 Hz frequency, 4 poles
Insulation / heating class H/H
Electronic voltage regualtion
Brushless excitation
IP23 Protection, marine impreganation
Single bearing

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