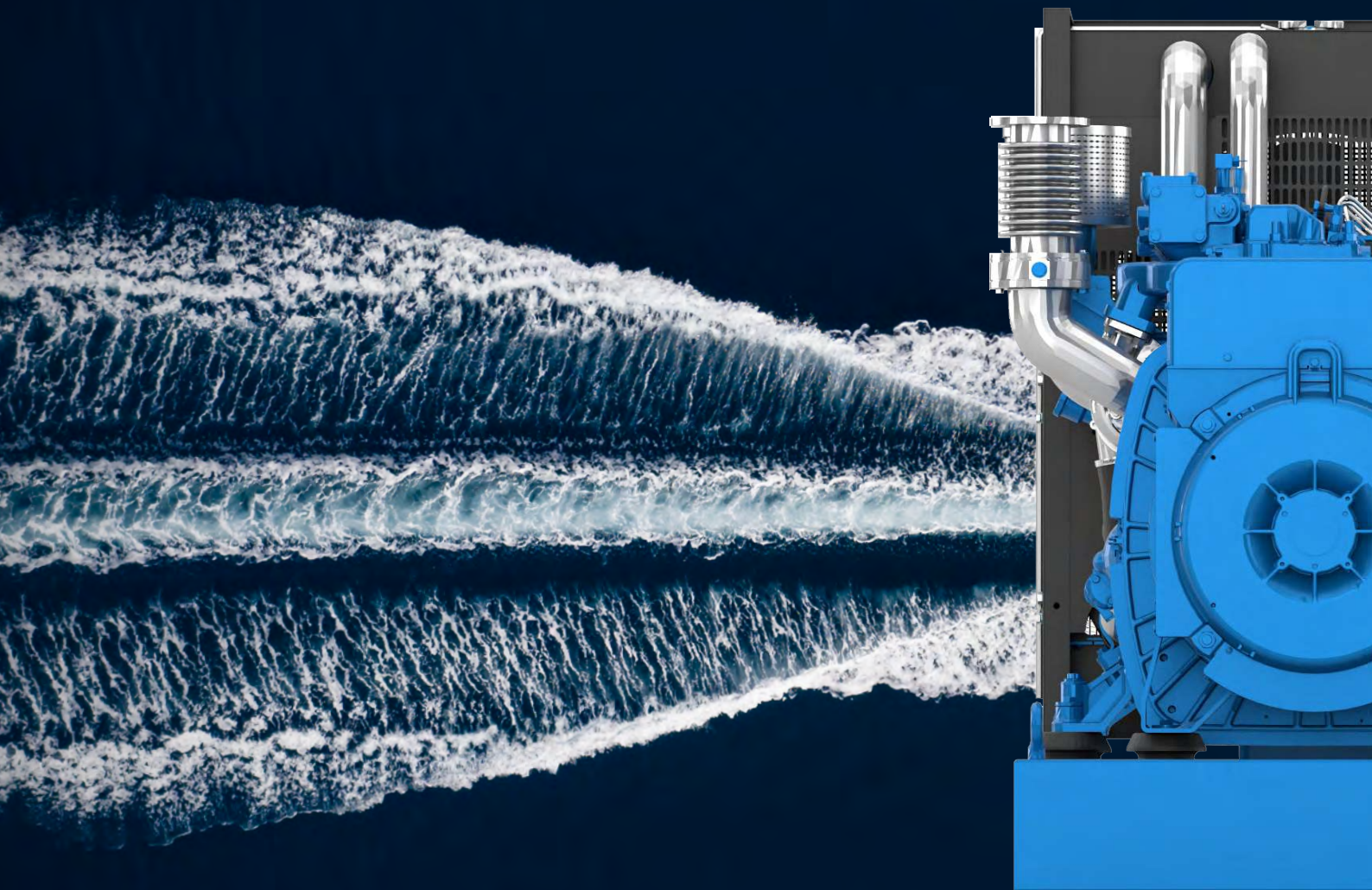
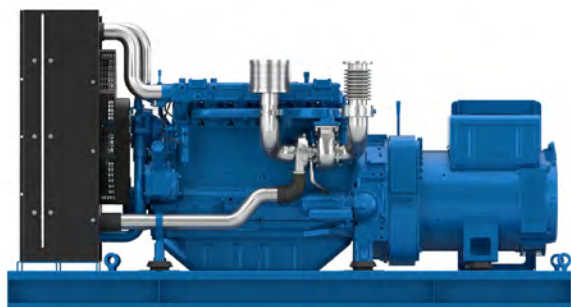




6W105ES

Emergency Marine Generator Set



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

Rating table

Ratings					Voltage	Fuel Consumption						Emissions
Rating	Hz	kVA	kWe	rpm		@ 100%		@ 75%		@ 50%		IMO
					V	g/kWh	l/h	g/kWh	l/h	g/kWh	l/h	
ESP	50	165	132	1500	380 ~ 415	206	32	215	25	105	16	N/A
PRP	50	150	120	1500	380 ~ 415	216	31	225	24	114	18	II
ESP	60	170	136	1800	440 ~ 480	194	31	198	24	105	16	N/A
PRP	60	170	136	1800	440 ~ 480	200	32	208	25	116	18	II

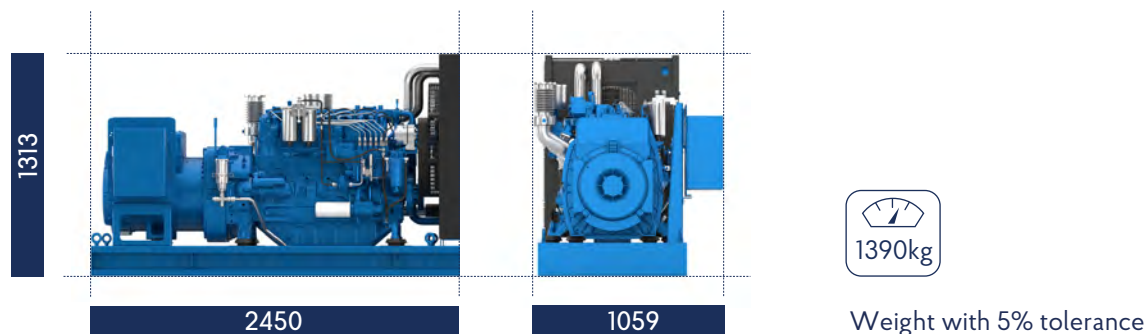
Generator Sets Engines

Power Class		Definition
PRP	Prime Running Power	Unrestricted running time Time at full load $\leq$ 500 hours per year Load variation $\leq$ 75% of the rated power Overload available 10%: 1 hour in a 12-hours period
ESP	Emergency Standby Power	Running time (max): 200 hours per year Load variation $\leq$ 110% of the prime power Average load factor should not exceed 70% of the engine's ESP power 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.

Dimensions and dry weight (mm/kg)



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
Radiator and fan

Lubrication System

Simplex full-flow spin-on lube oil filters
Freshwater-cooled lube oil cooler

Fuel System

Mechanical fuel injection system
Double-wall fuel injection pipe with leakage detection system
Duplex fuel filters, replaceable while engine is running
Simplex fuel prefilter with water separator

Intake Air and Exhaust System

Dry-type exhaust gas manifold

Electrical System

24V DC system, Insulated
Battery Charger 55A

Generator

50/60 Hz frequency, 4 poles
Insulation / heating class H/H
Electronic voltage regulation

Brushless excitation
IP23 Protection, marine impregnation
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