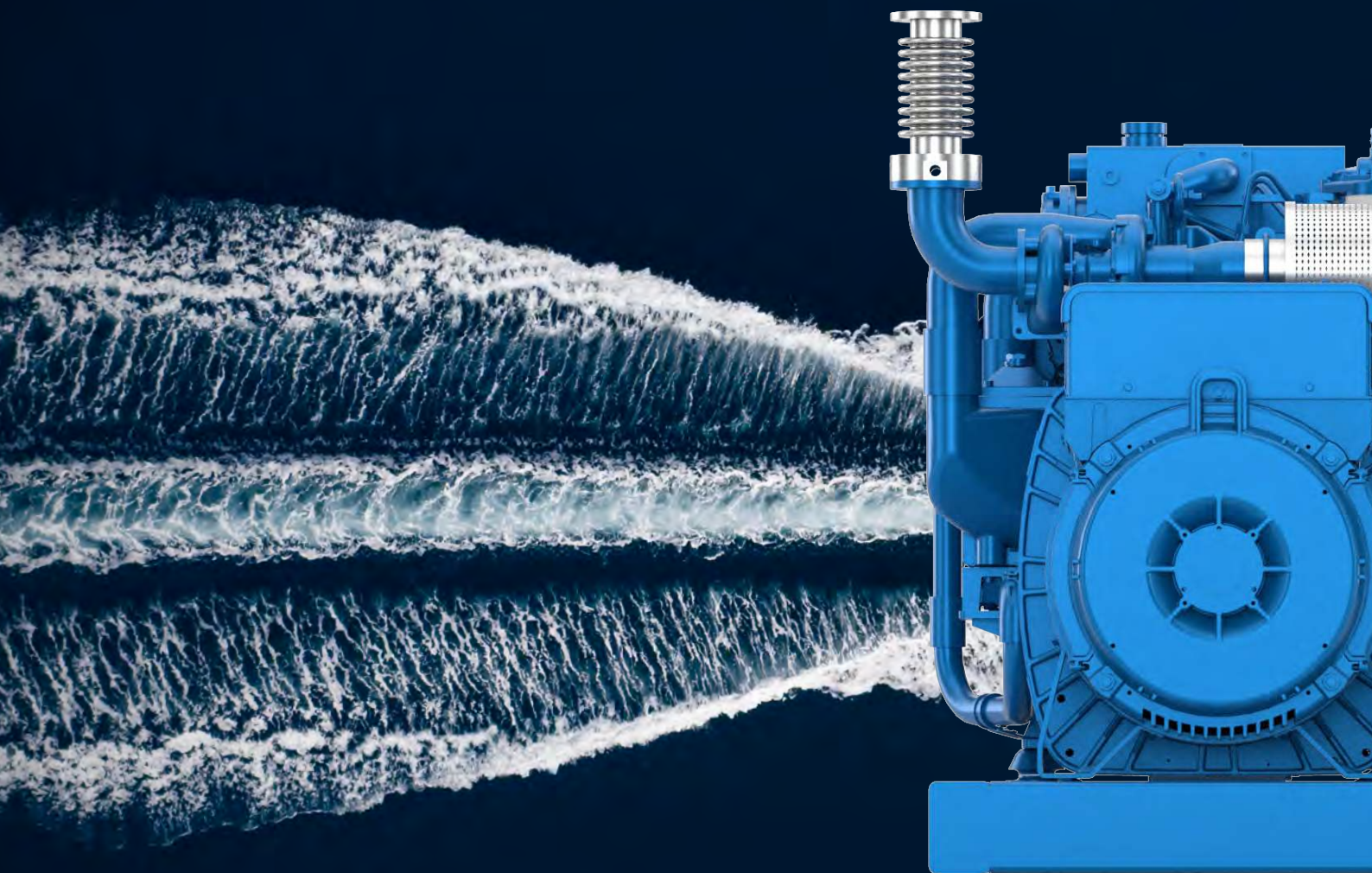
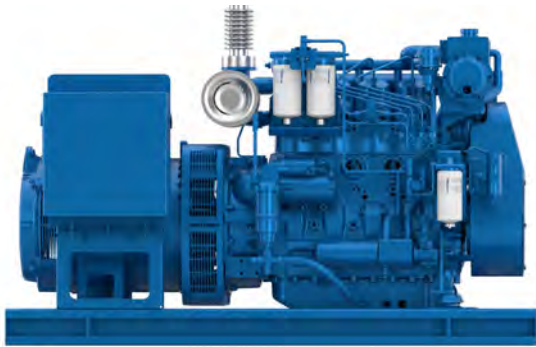




4W105S

Marine Generator Set



Number of cylinders	L4
Bore and stroke (mm)	105 X 130
Displacement (L)	4.5
Engine rotation	Counterclockwise
Idle speed (rpm)	700
Flywheel	SAE 3
Flywheel housing	SAE 11"5

Rating table

Ratings					Voltage	Fuel Consumption						Emissions
						@ 100%		@ 75%		@ 50%		IMO
Rating	Hz	kVA	kWe	rpm	V	g/kWh	l/h	g/kWh	l/h	g/kWh	l/h	
PRP	50	70	56	1500	380 ~ 415	202	15	215	12	240	9	N/A
PRP	50	80	64	1500	380 ~ 415	204	17	210	13	224	9	N/A
PRP	50	85	68	1500	380 ~ 415	198	17	213	14	233	10	N/A
PRP	50	100	80	500	380 ~ 415	201	21	204	16	217	11	N/A
PRP	50	105	84	1500	380 ~ 415	200	22	198	16	217	12	N/A
PRP	60	85	68	1800	440 ~ 480	216	19	227	15	227	10	N/A
PRP	60	100	80	1800	440 ~ 480	219	23	235	18	212	11	N/A
PRP	60	110	88	1800	440 ~ 480	226	26	200	17	212	12	N/A
PRP	60	125	100	1800	440 ~ 480	209	27	198	19	230	15	N/A

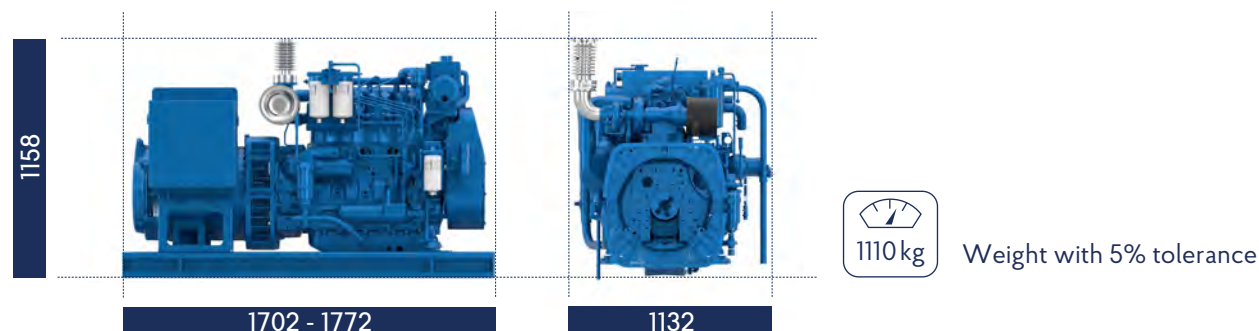
Generator Sets Engines

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
Gear-driven self-priming raw water pump with rubber impeller
Belt-driven centrifugal freshwater pump

Lubrication System

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

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
Mechanical fuel priming pump

Intake Air and Exhaust System

Dry-type exhaust gas manifold
High efficiency dry-type turbocharger with heat insulation
Raw water cooled charge air cooler

Electrical System

24V DC system, Insulated
Electrical Starter
Battery Charger 55A

Optional Equipment

Keel cooling configuration

Wet exhaust

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