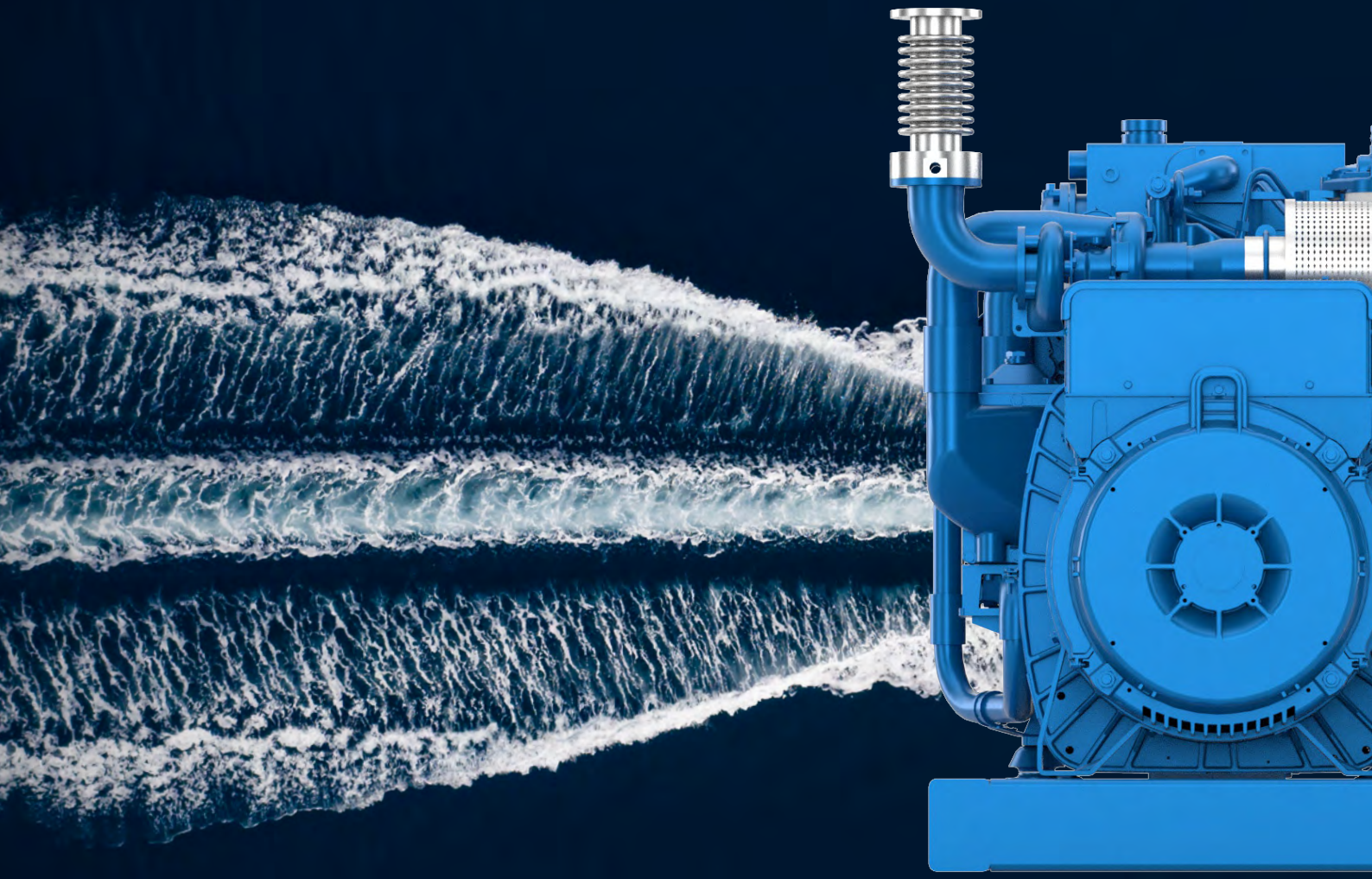
MOTEURS Baudouin



4W105S

Marine Generator Set

4W105S

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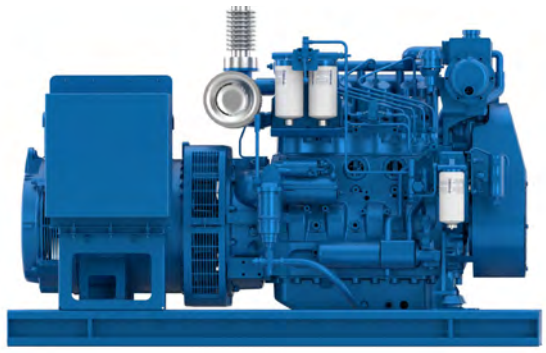


Number of cylinders	4
Bore & Stroke (mm)	105 x 130
Displacement (L)	4.5
Cylinders	L4
Engine rotation	Counter clockwise
Idle speed	700
Fly wheel	SAE 3
Fly wheel housing	SAE 11"5

Ratings					Fuel Consumption					
					@ 100%		@ 75%		@ 50%	
Rating	Hz	kVA	kWe	RPM	g/kWh	l/h	g/kWh	l/h	g/kWh	l/h
PRP	50	70	56	1500	202	15	215	12	240	9
PRP	50	80	64	1500	204	17	210	13	224	9
PRP	50	85	68	1500	198	17	213	14	233	10
PRP	50	100	80	1500	201	21	204	16	217	11
PRP	50	105	84	1500	200	22	198	16	217	12
PRP	60	85	68	1800	216	19	227	15	227	10
PRP	60	100	80	1800	219	23	235	18	212	11
PRP	60	110	88	1800	226	26	200	17	212	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

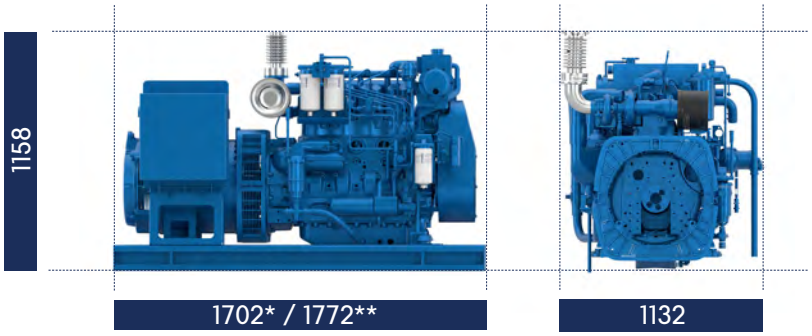
Baudouin's Engine DNA: Genuine Marine Power, Efficiency & Reliability

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.

4W105S

Marine Generator Set

Dimensions and dry weight (mm/kg)



*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 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 Electrical starter
Optional Equipment	Keel cooling configuration Wet exhaust
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