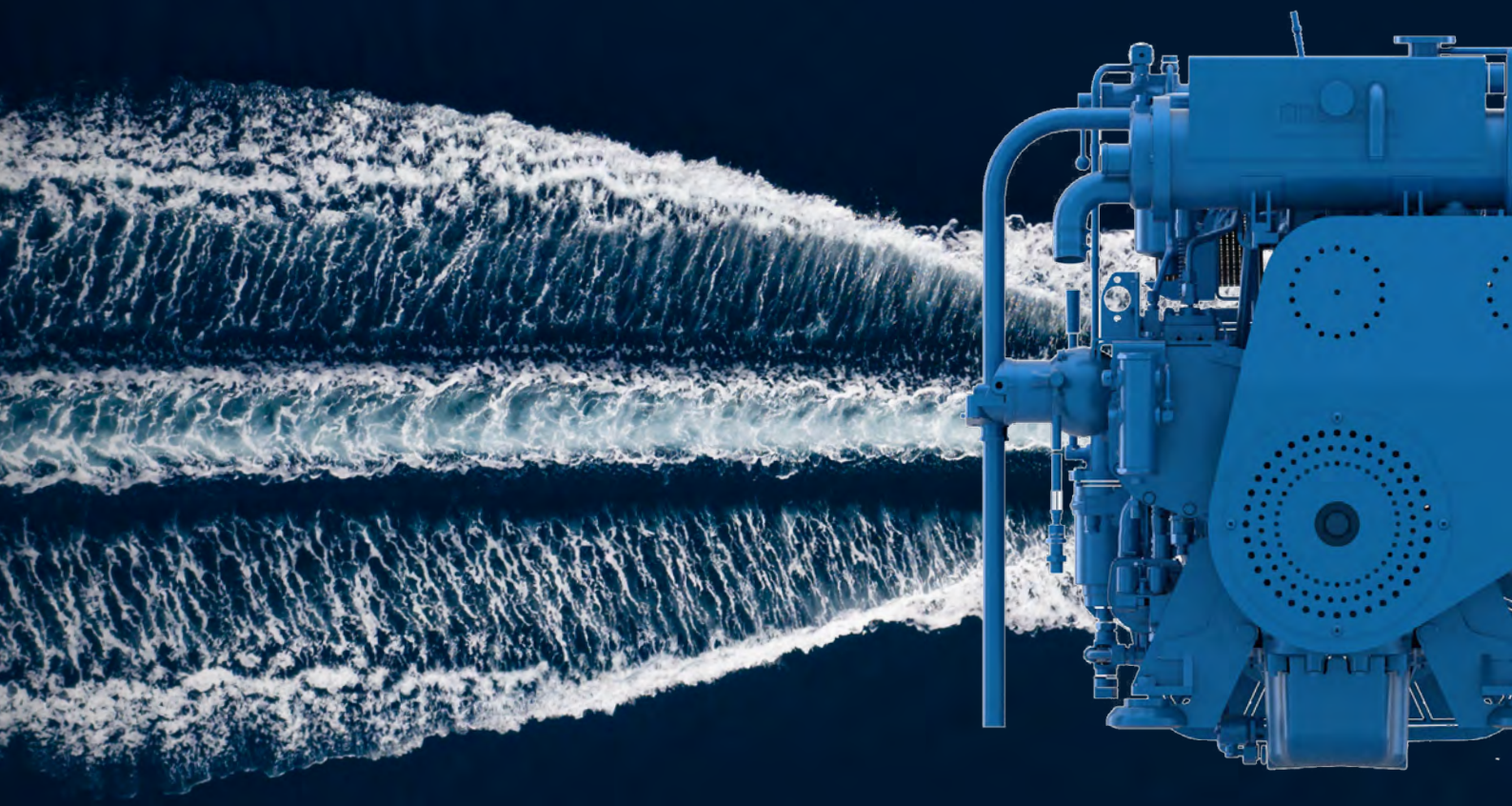
MOTEURS Baudouin

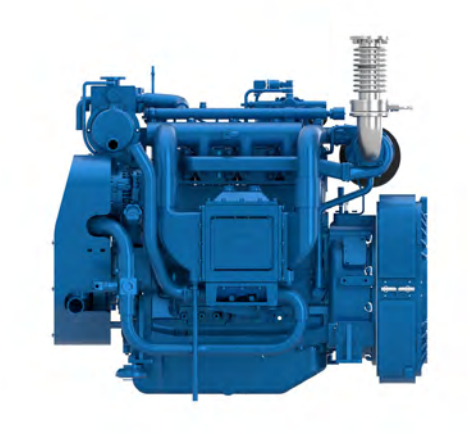


4W105

Auxiliary Diesel Engine

4W105S

Auxiliary Diesel Engine



Number of cylinders	4
Bore and stroke (mm)	105 X 130
Total displacement (L)	4.5
Cylinders	L4
Engine rotation	Counter clockwise
Idle speed	700
Flywheel	SAE 3
Flywheel housing	SAE 11"5

4W105				Fuel Consumption		Emissions
Ratings	kWm	HP	RPM	g/kWh	l/h	IMO
PRP	90	122	1500	194	21	NA
PRP	104	141	1800	198	25	NA

Generator Sets 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

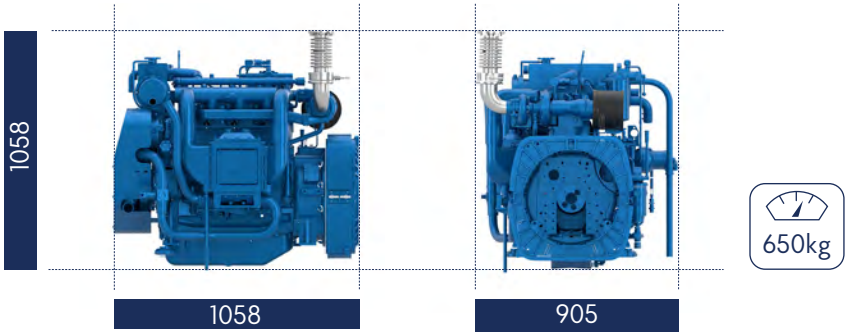
Baudouin's Engine DNA: Genuine Marine Power, Efficiency & Reliability

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

Auxiliary Diesel Engine

Dimensions and dry weight (mm/kg)



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 simple 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 Elastic pads mounting Wet exhaust

Power definition

(Standard 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	0 ± 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

Contact us for further information regarding our options.