MOTEURS Baudouin

6M16

Marine Generator Set

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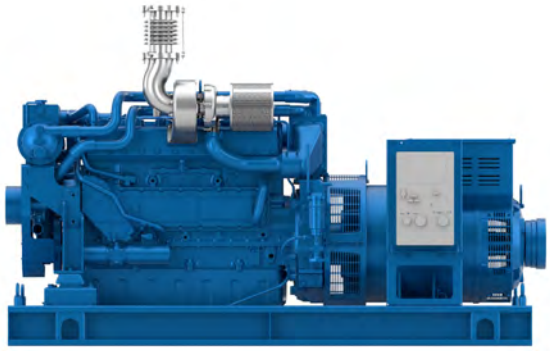

Number of cylinders	6
Bore and stroke (mm)	126 x 130
Total displacement (L)	9.7
Cylinders	L6
Engine rotation	counter clockwise
Idle speed	650
Flywheel	SAE 1
Flywheel housing	14"

Ratings					Fuel Consumption						Emissions
					@ 100%		@ 75%		@ 50%		IMO
Rating	Hz	kVA	kWe	RPM	g/kWh	l/h	g/kWh	l/h	g/kWh	l/h	
PRP	50	200	160	1500	191	39	203	31	214	22	II
PRP	50	220	176	1500	196	44	200	34	224	25	II
PRP	50	240	192	1500	190	46	206	38	197	24	II
PRP	50	250	200	1500	204	52	202	39	212	27	II
PRP	60	250	200	1800	167	43	178	34	190	24	II
PRP	60	260	208	1800	201	53	206	41	218	29	II
PRP	60	280	224	1800	203	58	199	42	212	30	II

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.

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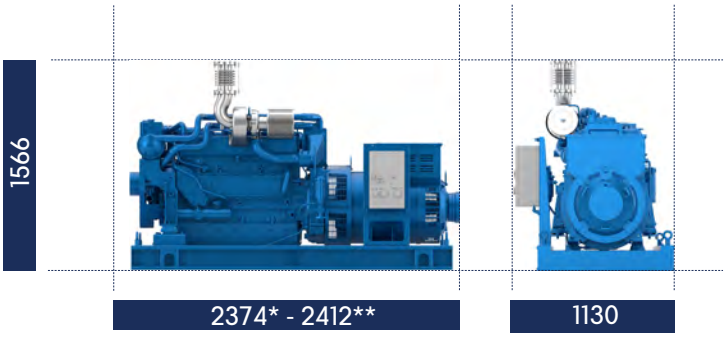
Dimensions and dry weight (mm/kg)



*total
**from flywheel

Standard equipment

Cooling System	Fresh / raw water heat exchanger with integrated thermostatic valves and expansion tank Cast iron centrifugal fresh water pump, belt driven Self-priming raw water pump, mechanically driven
Lubrication System	Full flow screwable oil filter Fresh water cooled lube oil cooler
Fuel System	Duplex fuel filters replaceable engine running Water separator Double wall injection bundle
Intake Air and Exhaust System	Exhaust gas manifold cooled by the engine fresh water Turbo blower with insulated turbine housing Low water temperature cooled intake air cooler
Electrical System	Voltage 24Vdc Electrical starter on flywheel crown 55A battery charger
Optional Equipment	Keel Cooling configuration Front PTO 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