6M21.3 IMO II

Marine Generator Set

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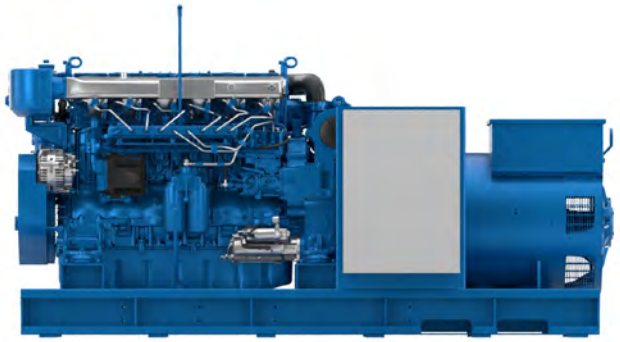

Number of cylinders	6
Bore and stroke (mm)	127 X 165
Total displacement (L)	12.54
Cylinders	L6
Engine rotation	counter clockwise
Idle speed	650
Flywheel	14"
Flywheel housing	SAE 1

Rating table

Ratings					Fuel Consumption						Emissions
					@ 100%		@ 75%		@ 50%		IMO-EPA
Rating	Hz	kVA	kWe	RPM	g/kWh	l/h	g/kWh	l/h	g/kWh	l/h	
PRP	50	400	320	1500	189	81	193	62	195	42	II-N/A
PRP	60	450	360	1800	205	87.9	199	69	203	47	II-N/A

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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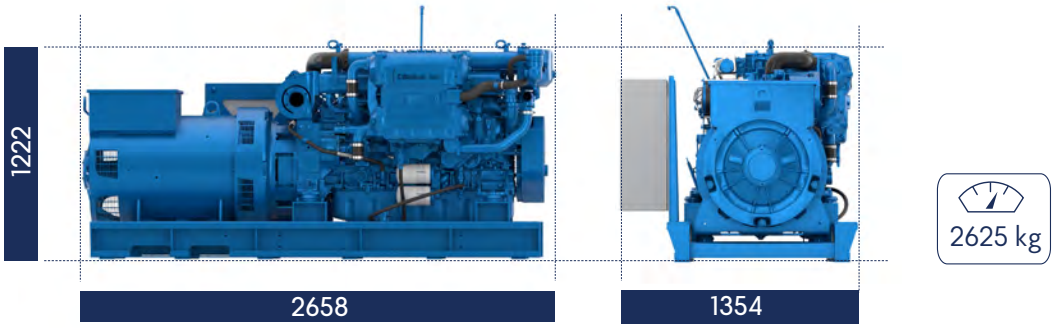
Dimensions and dry weight (mm/kg)



Standard equipment

Cooling System

Two - stage cooling circuit with built - in HT thermostatic valve
Integrated fresh water expansion tank
High efficiency tubestack heat exchanger
driven centrifugal fresh water pump
Self priming raw water pump with rubber impeller

ubrication System

Full flow lube oil filters duplex type
Fresh water cooled lube oil cooler intergrated in cylinder block

uel System

Common-rail electronic injection
High pressure pump with double walled high pressure pipes
Fuel oil filter duplex type
External fuel pre-filter with water separator

Intake Air and Exhaust System

Double flow raw water cooled charge air cooler module
High efficiency dry turbocharger
Water cooled exhaust manifold

lectrical System

Voltage: 24 V DC insulated
Electrical Starter
120A battery Alternator

Optional Equipment

Keel Coooling configuration
550N.m front PTO with elastic coupling
Elastic mounting
Air starter
Fresh water pre-heater
Cabin heating connections
Additional displays

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

Contact us for further information regarding our options.