MOTEURS Baudouin

12M33.2

Marine Generator Set

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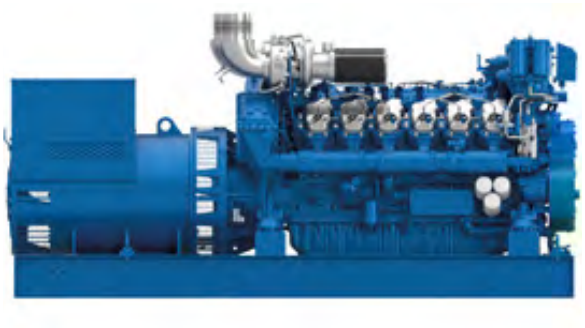

Number of cylinders	12
Bore and stroke (mm)	150 X 185
Total displacement (L)	39.2
Cylinders	V12
Engine rotation	Counter clockwise
Idle speed	650
Flywheel	18"
Flywheel housing	SAE 0

Rating table

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	975	780	1500	201	196	202	148	210	102	II
PRP	50	1190	952	1500	206	245	201	179	204	121	II
PRP	60	1145	916	1800	207	237	209	179	220	126	II
PRP	60	1320	1056	1800	208	275	207	205	215	142	II

Generator Sets Engines

Power Class		
PRP	Prime Power	Unrestricted running time Time at full load ≤ 500hrs/year Load variation ≤ 75% of rated power 10% overload 1hr/12hrs

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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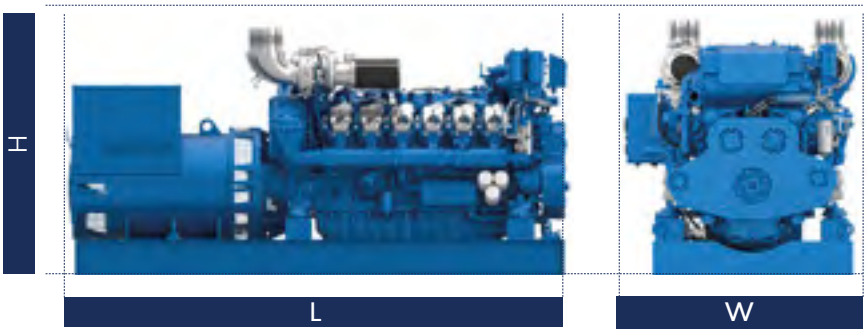
Dimensions and dry weight (mm/kg)



L (mm)	W (mm)	H (mm)	Weight (Kg)
3612.5 - 3731.5	1578 - 1581	1855	6599 - 7245

Standard equipment

Cooling System
Fresh / raw water heat exchanger and expansion tank
Cast iron centrifugal fresh water pump, belt driven
Bronze self-priming raw water pump, belt driven
High efficiency tubular heat exchanger

Lubrication System
Full flow screwable oil filter
Fresh water cooled lube oil cooler

Fuel System
In line injection pump with flanged mechanical governor
Double wall injection bundle with leakage collector
Duplex fuel filters replaceable engine running
External fuel pre-filter with water separator

Intake Air and Exhaust System
Fresh water cooled turbo blower
Fresh water cooled exhaust gas manifold

Electrical System
Voltage: 24V DC
Electrical starter on flywheel crown
Engine room and bridge panels
175A battery charger

Optional Equipment
Keel Cooling configuration
Electric oil prelubricating pump
Elastic pads
Front PTO

Generator
50/60 Hz frequency, 4 poles
Insulation / heating class H/H
Electronic voltage regualtion
Brushless excitation
IP23 Protection, marine impreganation
Double 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	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.