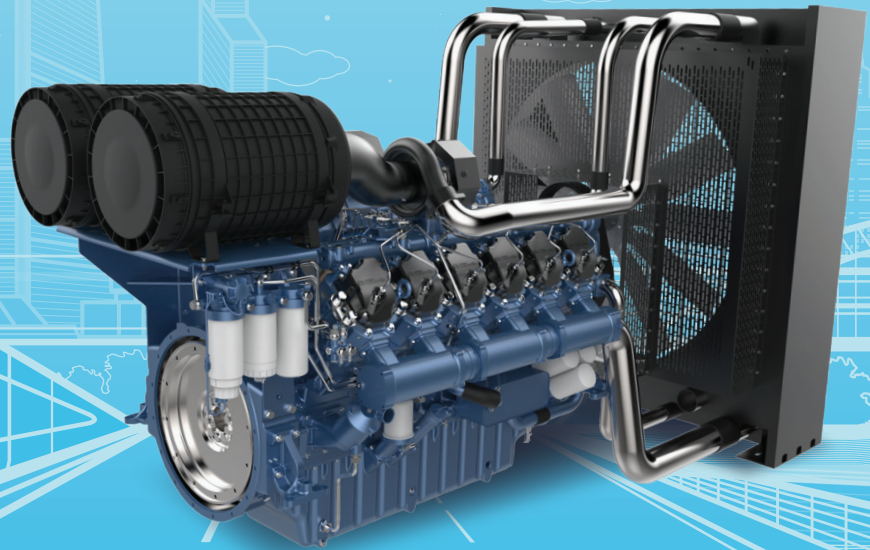


12M33 - Power Generation Application

1000kWe, 1250 kVA

1200kWe, 1500 kVA



For over 100 years, Moteurs Baudouin have been manufacturing the highest quality engines for marine, power generation and a host of other applications. The continuous need to provide reliable and durable engines for land-based power generation, and the high-seas have led to BAUDOIN being the preferred partner by customers, successfully serving this market since 1918. The Baudouin range of G Drive engines are available from 15 kVA to 2500 kVA and are manufactured, distributed and serviced by SHIG India based at Pune, Maharashtra.

Baudouin generating sets are widely used across the sectors like commercial & residential realty, Infrastructure (Airports/Metros/Roads/Bridges/Tunnels), hospitality, shopping malls, convention centre, IT/TES & Datacentre applications.

Engine Features



High pressure common rail system. More reliable and reduced stress on injectors, which helps to reduce wear and tear.



Best in class block loading. More than 50% block loading capability.



Low lube oil sump capacity. More than 10% lower sump capacity means savings on lube oil quantity



High power to weight ratio with low life cycle cost.



Air intake exhaust manifold and turbocharger provided with shield to isolate heat.



Cast iron cylinder block with rugged body construction designed to minimize vibrations and low noise level.

ENGINE BASIC DATA		
Engine model	12M33D1210E200	12M33G1650/5
Suitable kVA rating	1250	1500
Max Engine Power (kWm) / Engine Speed (rpm)	1210 / 1500	1450 / 1500
Bore x stroke (mm)	150 x 185	
Displacement (L)	39.2	
No. of cylinders	12 - V	
Aspiration	Turbocharged - Aftercooled	
Compression Ratio	15 : 1	
PERFORMANCE DATA		
Load Factor	Fuel Consumption Litres/hr	
75%	187.2	228.9
100%	251.6	302
LUBRICATION SYSTEM		
Total lube oil capacity (L)	155	
Lube oil consumption and fuel consumption ratio	<0.2%	
Recommended lube oil specification	CI4 + 15W40	
FUEL SYSTEM		
Injection pump type	Mechanical	HPCR
Governor method	Electronic	ECU
Governing class	G2	G3
ELECTRICAL SYSTEM		
Starting system voltage	24V DC	
Recommended battery capacity (Ah)	150	180
COOLING SYSTEM		
Total coolant capacity (L)	240	303
Recommended coolant specification	50 : 50 Ethylene glycol premix	
DIMENSIONS AND WEIGHT (POWER PACK)		
Length (mm)	3487	3482
Width (mm)	2192	2192
Height (mm)	2246	2246
Weight (Kg)	4395	4405

Power rating definition and special notes :

- Prime Power (PRP): Applicable for supplying power for varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overloaded capability is available in accordance with ISO 3046 and IS 13018.
- Fuel consumption data is based on diesel with specific gravity of 0.85 and confirming to IS: 1460. Fuel consumption tolerance is +5%.
- Conformance Standards: BS5514, ISO 3046

Specification are subject to change due to continuous improvement and are for reference only.

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