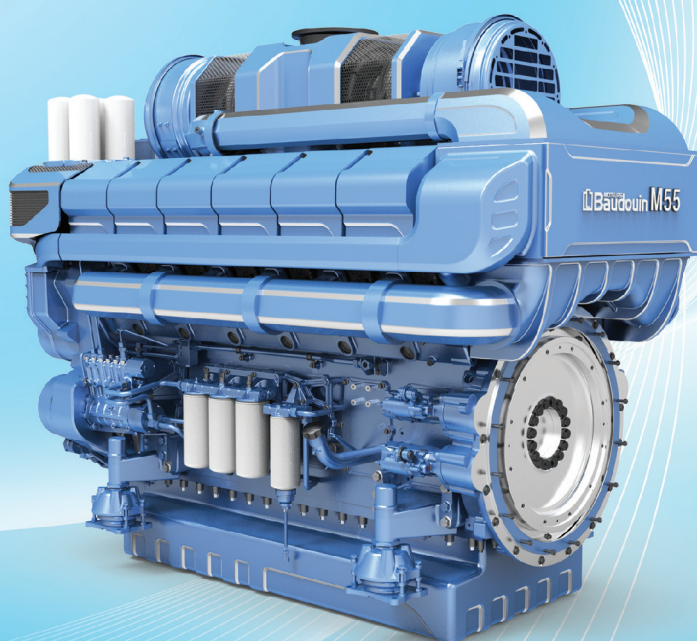


I2M55 - Power Generation Application 2000 kW€, 2500 kVA



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 BAUDOUIN 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/ITES & Datacentre applications..

Engine features :

- Cast iron cylinder block with rugged body construction designed to minimize vibrations and low noise level
- Hardened steel forged crankshaft with induction hardening.
- Full flow duplex type oil filters along with lube oil cooling system to maintain optimum temperature
- Cast iron dry liners, lube oil cooled aluminium alloy pistons with high performance piston rings.
- High power to weight ratio with low life cycle cost
- Air intake, exhaust manifold and turbocharger provided with shield to isolate heat
- HPCR pump with ECU control providing efficient performance in terms of power & fuel consumption
- Full flow multilevel type oil filters along with electric pump to pre-lubricate engine and reduce friction and better start-ability

Engine basic data

Engine model	12M55G2750/5
Suitable kVA rating	2500
Gross engine power (kWm) / Engine speed (rpm)	2450 / 1500
Bore x stroke (mm)	180 x 215
Displacement (L)	65.65
No. of cylinders	12 - V
Aspiration	Turbocharged-Aftercooled
Compression Ratio	16.5 : 1

Performance data

Load factor	Fuel Consumption litres/hr
75%	363.9
100%	490.2

Lubrication system

Total lube oil capacity (L)	480
Lube oil consumption and fuel consumption ratio	<0.3%
Recommended lube oil specification	CI4+15W40

Fuel system

Injection pump type	HPCR
Governor method	ECU
Governing Class	G3

Electrical system

Starting system voltage	24 V DC
Recommended battery capacity (Ah)	220

Cooling system

Total coolant capacity-Engine w/o radiator (L)	306
Recommended coolant specification	50:50 Ethylene glycol premix

Dimensions and weight (Engine)

Length (mm)	2934
Width (mm)	1544
Height (mm)	2654
Weight (kg)	9550

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
- Fuel consumption data is based on diesel with specific gravity of 0.85 and conforming to IS: 1460. Fuel consumption tolerance is +5%
- Conformance Standards: IS/IEC 60034-1, IS 1460, ISO 8528, ISO 3046, IS 13018, ISO 9001

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

SHIG INDIA
Engineering your power

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