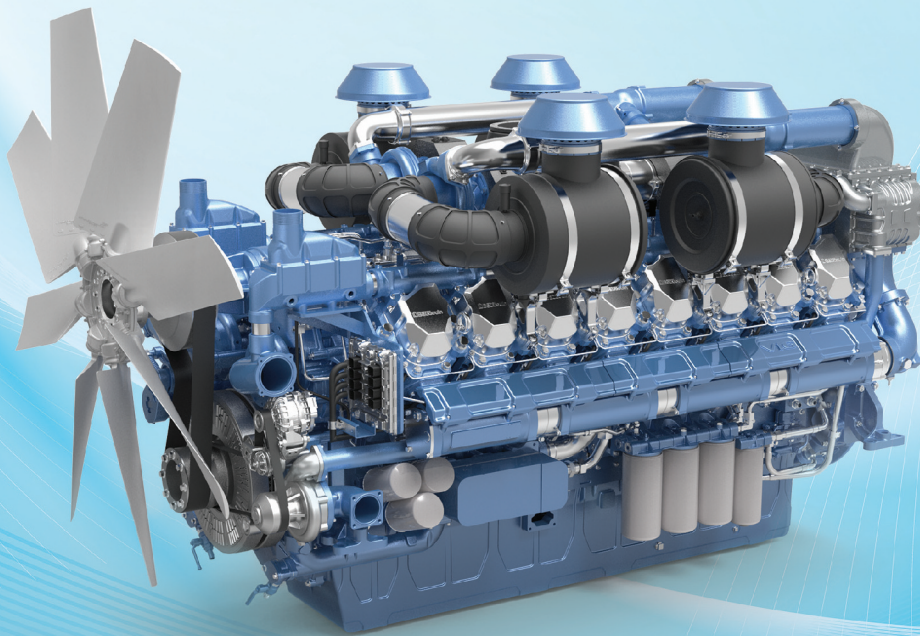


16M33 - Power Generation Application

1400 kW ϵ , 1750 kVA
1480 kW ϵ , 1850 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 BAUDOUIIN 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	16M33G1900/5	16M33G2000/5
Suitable kVA rating	1750	1850
Gross engine power (kWm) / Engine speed (rpm)	1680 / 1500	1800/1500
Bore x stroke (mm)	150 x 185	
Displacement (L)	52.3	
No. of cylinders	16 - V	
Aspiration	Turbocharged-Aftercooled	
Compression Ratio	15 : 1	
Performance data		
Load factor	Fuel Consumption litres/hr	
75%	252.4	265
100%	337.9	351
Lubrication system		
Total lube oil capacity (L)	171	
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 (L)	542	
Recommended coolant specification	50:50 Ethylene glycol premix	
Dimensions and weight (Power Pack)		
Length (mm)	3678	3967
Width (mm)	2237	2237
Height (mm)	2682	2485
Weight (kg)	6970	6470

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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