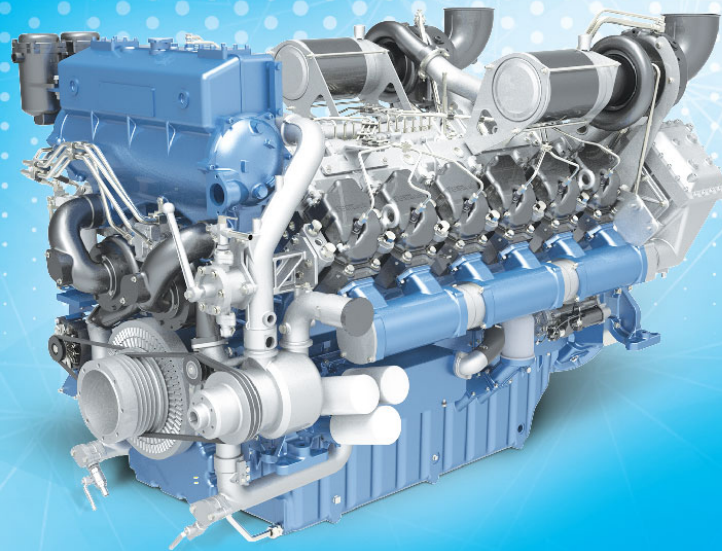


12M33 MARINE ENGINE SERIES



For over 100 years, Société des Moteurs Baudouin has 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. Our esteemed clientele includes the navy and coastguard worldwide for powering vessels, as well as for marine generating set applications.

The BAUDOUIN range of marine engines extend from 550 HP to 1650 HP and are manufactured, assembled, distributed and serviced by SHIG INDIA based at Pune, Maharashtra.

Engine features :

- Cast iron cylinder block with rugged body construction designed to minimize vibrations
- Hardened steel forged crankshaft with induction hardening
- Cast Iron dry liners, lube oil cooled aluminium alloy pistons with high performance piston rings
- Separate cast iron cylinder heads for ease of maintenance
- Full flow duplex type oil filters along with lube oil cooling system to maintain optimum temperature
- Simple P type in-line injection pump, with electronic governing
- Duplex fuel filter with water separator to protect your engine
- Air intake, exhaust manifold and turbocharger provided with shield to isolate heat

basic data	Marine Engine- 12M33 Series			
Engine Model	12M33C900-15E200	12M33C1100-15E200	12M33C1300-18E201	12M33C1500-18E201
Rated power (hp)	900	1100	1300	1500
Rated power (kw)	662	809	956	1103
Rated speed (rpm)	1500		1800	
Max. Torque Nm @ RPM	5081 @ 1000	6390 @ 1000	6917 @ 1400	7702 @ 1400
Rotating direction (Face to flywheel)	ACW			
Bore X Stroke	150 x 185			
Displacement (L)	39.2			
No. of Cylinders	12-V			
Aspiration	Turbocharged Intercooled			
Power output size	SAE0/18			
Compression ratio	15:1			
Emission standard	IMO Tier II			
Certification	IRS			
Performance data				
Fuel consumption (g/kW.h)	≤200			
Lubrication system				
Oil sump capacity (L)	113			
Oil consumption ratio	≤0.5%			
Fuel System				
Injection pump type/ Standard configuration	Mechanical pump			
Electrical system				
Starting system voltage	24V DC			
Cooling system				
Total Coolant capacity (L)	125			
Recommended coolant specification	Premix with 33% Gylcol			
Dimensions and Weight				
Net weight (kg)/Dry weight	3570			
Length (mm)	2440			
Width (mm)	1521			
Height (mm)	1810			

Power definition

Standard ISO 3046/1 -1995(F)

Fuel

Relative density 0,840 ± 0,005
Lower calorific power 42 700 kJ/kg
Consumption tolerances ± 5 %

Lube oil

Recommended grade CD 15W/40

Reference conditions

Ambient temperature 25 °C
Barometric pressure 100 kPa
Relative humidity 30%
Raw water temperature 25 °C

Specifications are subject to change due to continuous improvement and are for reference only. All models are with 10% overload extra on rated power. For other power ratings, kindly contact us as per details given below.

About SHIG India:

SHIG India, a subsidiary of the USD 36 Billion SHIG group offers diesel and gas engines from 18 HP to 1500 HP for various applications including marine, G-drive, Industrial, truck and bus segments. The footprint of the SHIG group extends to worldwide operations located in China, USA, France, Italy, Germany, Singapore and India, with offices in 35 countries and over 250 authorized service stations worldwide.

SHIG INDIA
Engineering your power

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