



## PowerKit

Engines for Power pack  
250 kVA to 2500 kVA

Durable | Robust | Built to Last

Over 100 years, Baudouin has been manufacturing the highest quality engines for marine, power generation and a host of other applications. The continuous need to provide durable, robust and long lasting engines for land – based power generation and the high-sea have led to Baudouin being the preferred engine supplier to the most prominent generator manufacturers in the world.

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.



Casis, France - Since 1918



Pune, India



Pune, India

## PowerKit from Baudouin

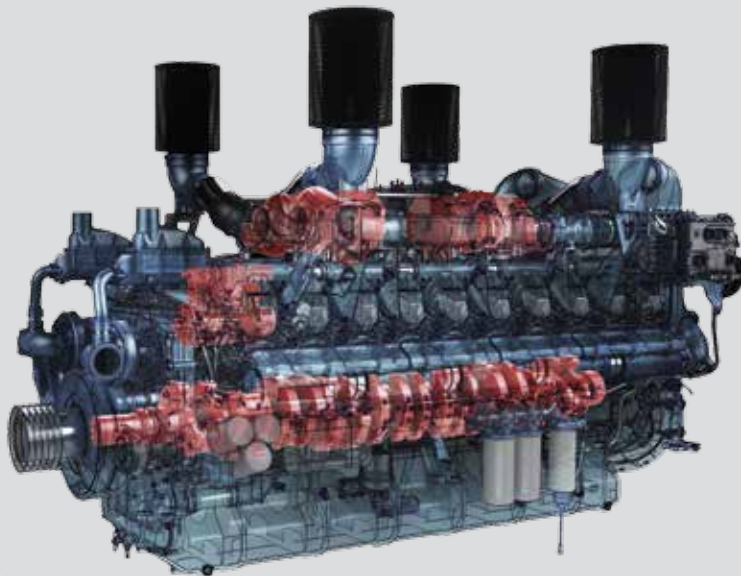
Designed for Prime/Standby & DCC ratings



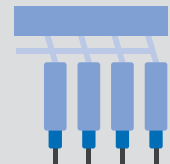
**BEST FUEL EFFICIENCY**  
Low cost of ownership



**HIGHEST 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 PRESSURE COMMON RAIL SYSTEM**  
More reliable and reduced stress on injectors, which helps to reduce wear and tear



**ECO FRIENDLY**  
Reduced Emission of NOx, SOx, Particulate Matter, CO

**100+**

Years of experience in diesel engine technology

**Engine basic data**

Engine model	6M12G6D2/5	6M19G320/5E3	6M21G440/5E3	6M21G500/5E3	6M21G550/5E3	8M21G688/5E3	6M33D660E310
Suitable kVA rating	250	320	400	500	520	625	750
Max. engine power (kWm)	235	319	405	450	464	615	725
Bore x stroke (mm)	108 X 136	126 x 155		127 x 165		127 X 165	150 x 185
Displacement (L)	7.47	11.596		12.54		16.72	19.6
No. of cylinders	6 - In-line	6 - In-line		6 - In-line		8 - V type	6 - In-line
Aspiration	Turbocharged-Aftercooled						
Compression ratio	17.5:1	17:1		16:1		15:1	15:1
<b>Performance data</b>							
Load Factor	Fuel Consumption litre/hr						
75%	41.2	51.3	63.5	79.0	81.1	92.6	129.5
100%	54.1	67.2	85.0	98.7	104.0	127.8	165.2
<b>Lubrication system</b>							
Total lube oil capacity (L)	24	30		30		44	61
Lube oil consumption and fuel consumption ratio	<0.1%	<0.2%	<0.2%	<0.2%	<0.2%	< 0.3%	< 0.3%
Recommended lube oil specification	CI4+15W40						
<b>Fuel system</b>							
Injection pump type	HPCR	Mechanical	HPCR	HPCR	HPCR	HPCR	HPCR
Governor method	ECU	Electronic	ECU	ECU	ECU	ECU	ECU
Governing Class	G3	G2	G3	G3	G3	G3	G3
<b>Exhaust System</b>							
Air Intake Mass Flow (m3/min)	13.6	14.69	26.7	28.7	30.1	38.1	51.5
Max. Exhaust Temperature after turbocharger (°C)	≤ 600	≤550	≤580	≤580	≤580	≤600	≤550
Min. diameter of exhaust pipe (mm)	80	100	100	100	100	128	200
<b>Electrical system</b>							
Starting system voltage	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC
Recommended battery capacity (Ah)	150	150	150	150	150	150	165
<b>Cooling system</b>							
Total coolant capacity (L)	32	62		55		71	159
Recommended coolant specification	50 :50 Ethylene glycol premix						
<b>Dimensions and weight (Power Pack)</b>							
Length (mm)	3482	2094	2141	2141	2141	2065	2798
Width (mm)	2192	1224	1133	1133	1133	1322	1680
Height (mm)	2246	1390	1358	1358	1358	1618	1954
Weight (kg)	836.3	1252	1190	1260	1260	1819	2620

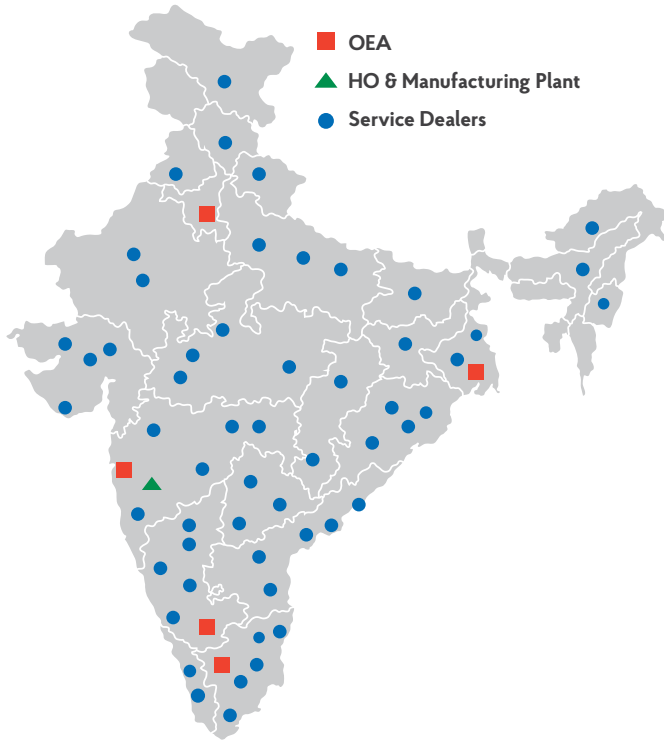
**Engine basic data**

Engine model	12M26D968E200	12M33D1210E200	12M33G1650/5	16M33G1900/5	16M33G2000/5	16M33G2250/5	20M33G2500/5	12M55G2750/5
Suitable kVA rating	1010	1250	1500	1750	1850	2000	2250	2500
Max. engine power (kWm)	968	1210	1450	1680	1800	1980	2210	2450
Bore x stroke (mm)	150 x 150	150 x 185		150 X 185	150 X 185	150 X 185	150 X 185	180 X 215
Displacement (L)	31.8	39.2		52.3	52.3	52.3	65.4	65.65
No. of cylinders	12-V type	12-V type		16-V type	16-V type	16-V type	20-V type	12-V type
Aspiration	Turbocharged-Aftercooled							
Compression ratio	15.7:1	15:1		15:1	15:1	15:1	15:1	16.5:1
<b>Performance data</b>								
Load Factor	Fuel Consumption litre/hr							
75%	153.8	187.2	228.9	252.4	265.0	274.0	308.5	363.9
100%	202.7	251.6	302.0	337.9	351.0	378.0	425.1	490.2
<b>Lubrication system</b>								
Total lube oil capacity (L)	109	155	155	171	171	171	240	480
Lube oil consumption and fuel consumption ratio	< 0.3%	< 0.3%	< 0.3%	< 0.3%	< 0.3%	< 0.3%	< 0.3%	< 0.3%
Recommended lube oil specification	CI4+15W40							
<b>Fuel system</b>								
Injection pump type	Mechanical	Mechanical	HPCR	HPCR	HPCR	HPCR	HPCR	HPCR
Governor method	Electronic	Electronic	ECU	ECU	ECU	ECU	ECU	ECU
Governing Class	G2	G2	G3	G3	G3	G3	G3	G3
<b>Exhaust System</b>								
Air Intake Mass Flow (m3/min)	75.8	82.1	101.1	116.1	150	150	157	164.5
Max. Exhaust Temperature after turbocharger (°C)	≤550	≤550	≤550	≤ 550	≤ 550	≤ 550	≤ 550	≤ 550
Min. diameter of exhaust pipe (mm)	200	200	220	200	200	200	200	280
<b>Electrical system</b>								
Starting system voltage	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC
Recommended battery capacity (Ah)	220	180 - 200	180-200	220	220	220	220	220
<b>Cooling system</b>								
Total coolant capacity (L)	225	240	303	542	542	542	410	306
Recommended coolant specification	50 :50 Ethylene glycol premix							
<b>Dimensions and weight (Power Pack)</b>								
Length (mm)	3182	3487	3482	3967	3967	4116	4611	2934
Width (mm)	1992	2192	2192	2237	2237	2756	2756	1544
Height (mm)	2160	2246	2246	2485	2485	2870	2870	2654
Weight (kg)	3620	4395	4405	6470	6470	6845	8075	9550

- \* Fuel consumption data is based on diesel specific gravity of 0.869 and conforming to IS: 1460.
- Fuel consumption tolerance is +5%.
- Prime power- Applicable for supplying power for varying electrical load for unlimited hours.
- Prime power (PRP) is in accordance with ISO 8528.
- Conformance standards: IS/IEC 60034-1, IS1460, ISO8528, ISO 3046, IS13018, ISO 9001.
- Specification are subject to change due to continuous improvement and are for reference only.

## CUSTOMER BENEFIT

- Wide range from 15 kVA to 2500 kVA
- Complaint with current CPCB norms and getting ready for CPCB IV+ norms
- Compatible for paralleling, synchronization
- HP-CRDi for swift response
- Highest Block loading
- Made in India



## Baudouin India service support

Baudouin in India has single window solution for sales and after-market support that ensures attention to our esteemed clientele at the shortest possible time.

This concept ensures that customer support regarding engines, aggregates or complete equipment is resolved through a single window.

Our OEA (Original Equipment Assemblers)/ dealerships are equipped with necessary tools and equipment's and have trained and motivated service team to handle and resolve troubleshooting round the clock.



Genuine parts and tools



Service Support



Skill Development



Recon and Rebuild

## Industries we serve



Shopping Mall & Commercial Buildings



Residential Realty



Hotels, Resorts & Restaurants



Airport



Warehouse & Cold Storage



Hospitals & Critical Health Care Centres



Infra projects



Data Centre



Industrial Application



**Shandong Heavy Industry India Pvt. Ltd.**

Survey No. 280.281, Village - Maan, Hinjawadi Phase - 2,

Taluka - Mulshi, Pune, Maharashtra, India - 411057

Tel: +91 20 6792 1100

Email: info@shigindia.com

### Contact:

**South** : Mr. R. Nagarajan +91 89564 83643  
Mr. Suresh Iyer +91 89564 83644

**West** : Mr. Darshan Anjariya +91 89564 83646  
Mr. Vinod Kapadnis +91 89560 27737

**North & East** : Mr. Vinod Singh +91 98310 37137  
Mr. Pulkit Bandi +91 89567 31441  
Mr. Siddharth Pandey +91 89564 12561

**Toll Free No: 1800 266 2338**

OEA / Dealer Stamp