



PowerKit

Engines for Genset
250-4000 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 250 - 4000 kVA and are manufactured, distributed and serviced by Baudouin India team based at Pune, Maharashtra.



Casis, France - Since 1918



Pune, India

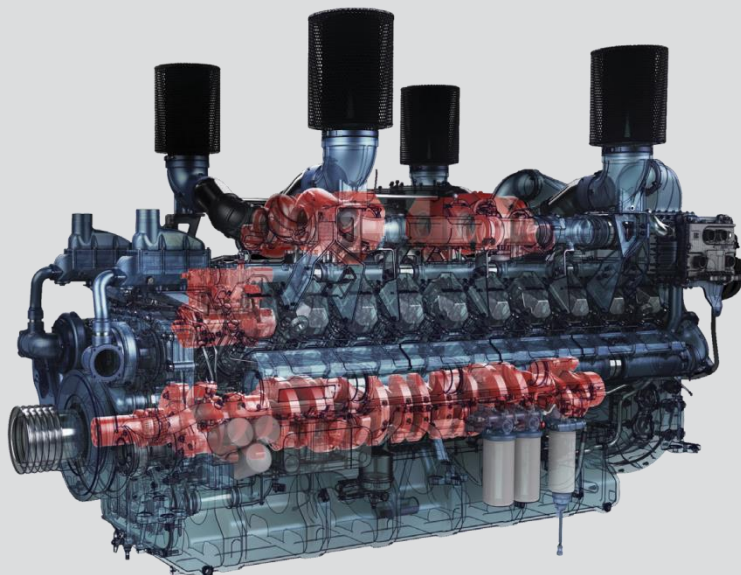
Diesel engines for Gensets Designed for DCC, Prime/Standby ratings



BEST FUEL EFFICIENCY
Low Operating cost



HIGH BLOCK LOADING
High block loading capacity



LOW LUBE OIL SUMP CAPACITY
Lower sump capacity.
Low maintenance cost savings on Lube oil



HIGH PRESSURE COMMON RAIL SYSTEM
Better transient response.
Low fuel consumption.
Low vibration. Noise harshness.



ECO FRIENDLY

100+

Years of engineering
legacy in global market

Engine basic data

Engine model	6M12G6D2/5	6M16G4D2/5	6M21G440/5E3	6M21G500/5E3	6M21G6D2/5	8M21G688/5E3	6M33D660E310	8M33G5D2/5	12M26D968E200
Suitable kVA rating	250	320	400	500	520	625	750	910	1010
Max. engine power (kWm)	235	290	368	409	450	550	660	795	889
Bore x stroke (mm)	108 X 136	126 x 130		127 x 165		127 X 165	150 x 185	150 x 185	150 x 150
Displacement (L)	7.47	9.73		12.54		16.72	19.6	26.1	31.8
No. of cylinders	6 - Inline	6 - Inline		6 - Inline		8 - V type	6 - Inline	8 - V type	12-V type
Aspiration	Turbocharged, Charge Air Cooled								
Compression ratio	17.5:1	17:1		16:1		15:1		15:1	15.7:1
Performance data									
Load Factor	Fuel Consumption gms / kw-hr								
75%	222.6	201.7	193.4	190.5	187	201.5	190.4	196.9	195.7
100%	217.0	204.0	195.1	197.0	204.3	196.9	198.5	203.5	195.7
Lubrication system									
Total lube oil capacity (L)	24	30		30		44	61	110	109
Lube oil consumption and fuel consumption ratio	<0.1%	<0.2%	<0.2%	<0.2%	<0.2%	<0.3%	<0.3%	<0.3%	<0.3%
Recommended lube oil specification	CI4+15W40								
Fuel system									
Injection pump type	HPCR	HPCR	HPCR	HPCR	HPCR	HPCR	HPCR	HPCR	Mechanical
Governor method	ECU	ECU	ECU	ECU	ECU	ECU	ECU	ECU	Electronic
Governing Class	G3	G3	G3	G3	G3	G3	G3	G3	G3
Exhaust System									
Max. Exhaust Temperature after turbocharger (°C)	≤ 600	≤ 550	≤ 580	≤ 580	≤ 580	≤ 600	≤ 550	≤ 600	≤ 550
Min. diameter of exhaust pipe (mm)	80	100	100	100	100	128	200	190	200
Electrical system									
Starting system voltage	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC
Recommended battery capacity (Ah)	150AH	150AH	150AH	150AH	150AH	150AH	180AH	180AH	220AH
Cooling system									
Total coolant capacity (L)	32	44		55		71	159	152	225
Recommended coolant specification	50 :50 Ethylene glycol premix								
Dimensions and weight (Power Pack)									
Length (mm)	1919	1982	2141	2141	2032	2065	2798	2550	3182
Width (mm)	1089	1082	1133	1133	1232	1521	1680	1865	1992
Height (mm)	1516	1310	1359	1359	1490	1836	1954	2016	2160
Weight (kg)	836.3	1021	1190	1260	1286	1819	2620	3500	3620

Engine basic data

Engine model	12M33G1400/5	12M33G1650/5	16M33G1900/5	16M33G2000/5	16M33G2250/5	20M33G2500/5	12M55G2750/5	16M55G3300/5	16M55G3750/5	16M55G4000/5
Suitable kVA rating	1250	1500	1750	1850	2000	2250	2500	3000	3300	3600
Max. engine power (kWm)	1100	1350	1530	1680	1800	2010	2200	2646	2900	3300
Bore x stroke (mm)	150 x 185		150 X 185	150 X 185	150 X 185	150 X 185	180 X 215	180 X 215	180 X 215	180 X 215
Displacement (L)	39.2	52.3	52.3	52.3	52.3	65.4	65.65	87.5	87.5	87.5
No. of cylinders	12-V type		16-V type	16-V type	16-V type	20-V type	12-V type	16-V type	16-V type	16-V type
Aspiration	Turbocharged, Charge Air Cooled									
Compression ratio	15:1		15:1	15:1	14:1	15:1	16.5:1	16.5:1	16.5:1	16.5:1
Performance data										
Load Factor	*Fuel Consumption gms / kw-hr									
75%	194.2	194.3	194.3	193.8	193.7	201.0	194.1	191.6	191.2	189.1
100%	197.5	201.6	200.0	200.5	200.0	194.9	196.1	193.1	194.1	192.2
Lubrication system										
Total lube oil capacity (L)	155	155	171	171	171	240	480	500	500	582
Lube oil consumption and fuel consumption ratio	<0.2%	<0.2%	<0.2%	<0.2%	<0.2%	<0.2%	<0.2%	<0.2%	<0.2%	<0.2%
Recommended lube oil specification	15W40 API CI4+									
Fuel system										
Injection pump type	Mechanical	HPCR	HPCR	HPCR	HPCR	HPCR	HPCR	HPCR	HPCR	HPCR
Governor method	Electronic	ECU	ECU	ECU	ECU	ECU	ECU	ECU	ECU	ECU
Governing Class	G3	G3	G3	G3	G3	G3	G3	G3	G3	G3
Exhaust System										
Max. Exhaust Temperature after turbocharger (°C)	≤ 550	≤ 550	≤ 550	≤ 550	≤ 550	≤ 550	≤ 550	≤ 550	≤ 550	≤ 550
Min. diameter of exhaust pipe (mm)	200	220	200	200	200	200	280	280	280	280
Electrical system										
Starting system voltage	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC
Recommended battery capacity (Ah)	200AH	200AH	220AH	220AH	220AH	220AH	220AH	220AH	220AH	220AH
Cooling system										
Total coolant capacity (L)	240	303	542	542	542	410	306	780.5	780.5	780.5
Recommended coolant specification	50 : 50 Ethylene glycol premix									
Dimensions and weight (Power Pack)										
Length (mm)	3525	3482	3967	3967	4116	4611	2934	5033	5033	5033
Width (mm)	2242	2192	2237	2237	2756	2756	1544	2996	2996	2996
Height (mm)	2243	2235	2485	2485	2780	2870	2654	3150	3150	3150
Weight (kg)	4395	4405	6470	6470	6845	8075	9550	14910	14910	14910

- 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 conforming to IS 1460. Fuel consumption tolerance is +5%.
- Conformance standards : BS 5514, ISO 3046.

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

CUSTOMER BENEFIT

- Wide range from 250 - 4000 kVA
- Complaint with current CPCB norms and getting ready for CPCB IV+ norms
- Compatible for paralleling, synchronization
- HP-CRDi for swift response
- Made in India

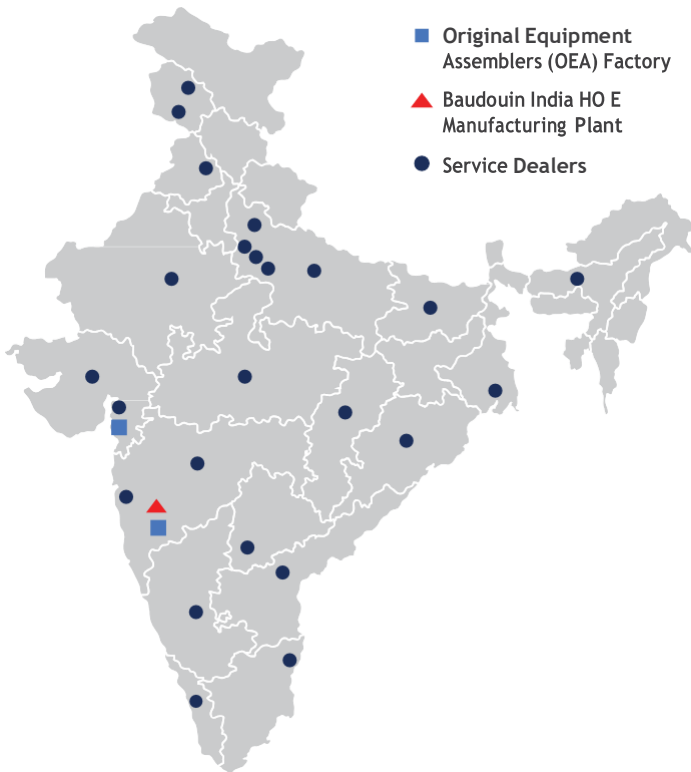


Baudouin India service support

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



Hassle - free comprehensive coverage.



Service Support



2yrs/5000hrs Standard Warranty

Industries we serve



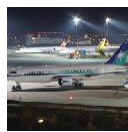
Shopping Mall
E Commercial Buildings



Residential Realty



Hotels, Resorts
E Restaurants



Airport



Warehouse E Cold Storage



Hospitals E Critical Health Care Centres



Infra projects



Data Centre



Industrial Application



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