



PowerKit

Engines for Power pack
250 kVA to 3300 kVA

Durable | Robust | Built to Last

www.baudouinindia.com

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 kVA to 3300 kVA and are manufactured, distributed and serviced by Baudouin India team based at Pune, Maharashtra.



Casis, France - Since 1918



Pune, India



Pune, India

PowerKit from Baudouin

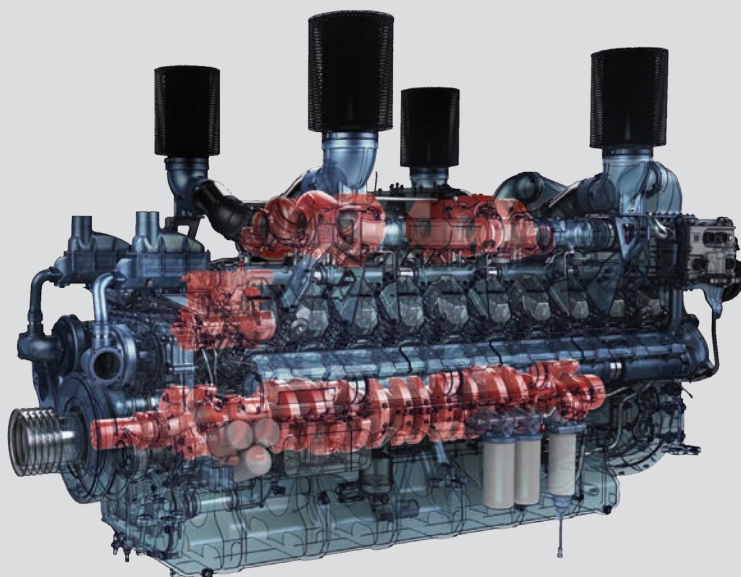
Designed for Prime/Standby & DCC ratings



BEST FUEL EFFICIENCY
Low cost of ownership



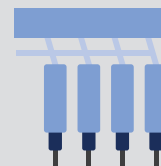
HIGHEST BLOCK LOADING
More than 50% block loading capability



ECO FRIENDLY
Reduced Emission of NO_x,
SO_x, Particulate Matter, CO



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

100+

Years of experience
in diesel engine
technology

Engine model	6M12G6D2/5	6M19G320/5E3	6M21G440/5E3	6M21G500/5E3	6M21G6D2/5	8M21G688/5E3	6M33D660E310	12M26D968E200
Suitable kVA rating	250	320	400	500	520	625	750	1010
Max. engine power (kWm)	264	319	405	450	490	615	725	968
Bore x stroke (mm)	108 X 136	126 x 155	127 x 165			127 X 165	150 x 185	150 x 150
Displacement (L)	7.47	11.596	12.54			16.72	19.6	31.8
No. of cylinders	6 - Inline	6 - Inline	6 - Inline			8 - V type	6 - Inline	12-V type
Aspiration	Turbocharged-Aftercooled							
Compression ratio	17.5:1	17:1	16:1			15:1	15:1	15.7:1
Performance data								
Load Factor	Fuel Consumption litre/hr							
75%	41.2	51.3	63.5	79.0	92	92.6	129.5	153.8
100%	54.1	67.2	85.0	98.7	111	127.8	165.2	202.7
Lubrication system								
Total lube oil capacity (L)	24	30	30		34	44	61	109
Lube oil consumption and fuel consumption ratio	<0.1%	<0.2%	<0.2%	<0.2%	<0.2%	<0.2%	<0.2%	<0.2%
Recommended lube oil specification	CI4+15W40							
Fuel system								
Injection pump type	HPCR	Mechanical	HPCR	HPCR	HPCR	HPCR	HPCR	Mechanical
Governor method	ECU	Electronic	ECU	ECU	ECU	ECU	ECU	Electronic
Governing Class	G3	G2	G3	G3	G3	G3	G3	G2
Exhaust System								
Air Intake Mass Flow (m3/min)	13.6	14.69	26.7	28.7	30.1	38.1	51.5	75.8
Max. Exhaust Temperature after turbocharger (°C)	≤ 600	≤550	≤580	≤580	≤580	≤600	≤550	≤550
Min. diameter of exhaust pipe (mm)	80	100	100	100	100	128	200	200
Electrical system								
Starting system voltage	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC
Recommended battery capacity (Ah)	150	150	150	150	150	150	150	150
Cooling system								
Total coolant capacity (L)	32	62	55			101	159	225
Recommended coolant specification	50 :50 Ethylene glycol premix							
Dimensions and weight (Power Pack)								
Length (mm)	1919	2094	2141	2141	2032	2206	2798	3182
Width (mm)	1089	1224	1133	1133	1232	1521	1680	1992
Height (mm)	1516	1390	1358	1358	1490	1836	1954	2160
Weight (kg)	836.3	1252	1190	1260	1286	1819	2620	3620

Engine model	12M33D1210E200	12M33G1650/5	16M33G1900/5	16M33G2000/5	16M33G2250/5	20M33G2500/5	12M55G2750/5	16M55G3300/5	16M55G3750/5*	
Suitable kVA rating	1250	1500	1750	1850	2000	2250	2500	3000	3300	
Max. engine power (kWm)	1210	1450	1680	1800	1980	2210	2450	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 X215	180 X215	
Displacement (L)	39.2		52.3	52.3	52.3	65.4	65.65	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	16	
Aspiration	Turbocharged and Aftercooled									
Compression ratio	15:1		15:1	15:1	15:1	15:1	16.5:1	16.5:1	16.5:1	
Performance data										
Load Factor	*Fuel Consumption litre/hr									
75%	187.2	228.9	252.4	265.0	274.0	332	363.9	442.2	483.9	
100%	251.6	302.0	337.9	351.0	378.0	425.1	490.2	594.3	655.0	
Lubrication system										
Total lube oil capacity (L)	155	155	171	171	171	240	480	500	500	
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%	
Recommended lube oil specification	15W40 API CI4+							15W40 API CI4+	15W40 API CI4+	
Fuel system										
Injection pump type	Mechanical	HPCR	HPCR	HPCR	HPCR	HPCR	HPCR	HPCR	HPCR	
Governor method	Electronic	ECU	ECU	ECU	ECU	ECU	ECU	ECU	ECU	
Governing Class	G2	G3	G3	G3	G3	G3	G3	G3	G3	
Exhaust System										
Air Intake Mass Flow (m3/min)	82.1	101.1	116.1	150	150	157	164.5	194	220.3	
Max. Exhaust Temperature after turbocharger (°C)	≤550	≤550	≤ 550	≤ 550	≤ 550	≤ 550	≤ 550	≤ 550	≤ 550	
Min. diameter of exhaust pipe (mm)	200	220	200	200	200	200	280	280	280	
Electrical system										
Starting system voltage	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24	24	
Recommended battery capacity (Ah)	150	180	200	200	200	200	200	200	200	
Cooling system										
Total coolant capacity (L)	240	303	542	542	542	410	306	780.5	780.5	
Recommended coolant specification	50 : 50 Ethylene glycol premix									
Dimensions and weight (Power Pack)										
Length (mm)	3487	3482	3967	3967	4116	4611	2934	5033	5033	
Width (mm)	2192	2192	2237	2237	2756	2756	1544	2996	2996	
Height (mm)	2246	2246	2485	2485	2870	2870	2654	3150	3150	
Weight (kg)	4395	4405	6470	6470	6845	8275	9550	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 kVA to 3300 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



Hassle - free comprehensive coverage.



Service Support



2yrs/5000hrs Standard Warranty

Industries we serve



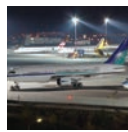
Shopping Mall & Commercial Buildings



Residential Realty



Hotels, Resorts & Restaurants



Airport



Warehouse & Cold Storage



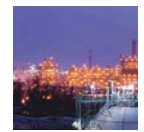
Hospitals & Critical Health Care Centres



Infra projects



Data Centre



Industrial Application



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