



Power You Can Trust For Data Centres



www.baudouinindia.com

Durable | Robust | Built to Last

Trusted power solution for Data Centres Power

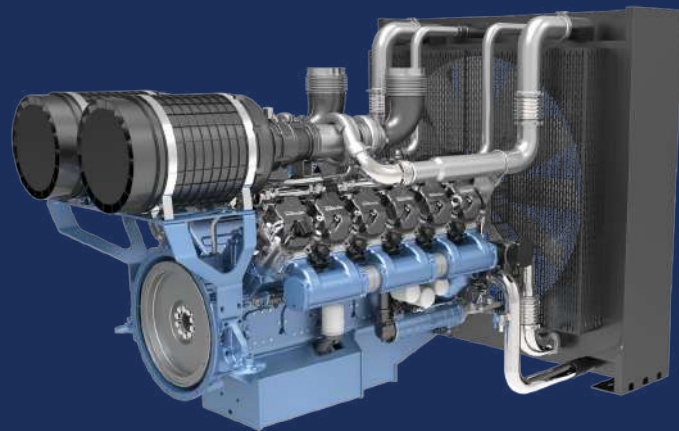




Data Centre Power (DCP) Ratings 750kVA-3750kVA

Now more than ever, saving and protecting data is a core concern for businesses. All companies rely on robust and secure IT and cloud systems. The need for data security and protection is continuously increasing with the adoption of artificial intelligence and machine learning.

A dependable generator set will guarantee 24/7 power availability, whatever happens to the grid electricity network. With the huge amount of storage and processing required by data centres, this demand can equal the power requirements of a small city. Energy efficient power generation installations are a necessity to respond to this massive energy demand from the IT equipment and its cooling systems.



Silent features

Lowest total
cost of
ownership

High pressure
common rail
System

Lower heat
dissipation &
noise level

Best in
class block
loading

Low lube
oil sump
capacity

Linear fuel
consumption

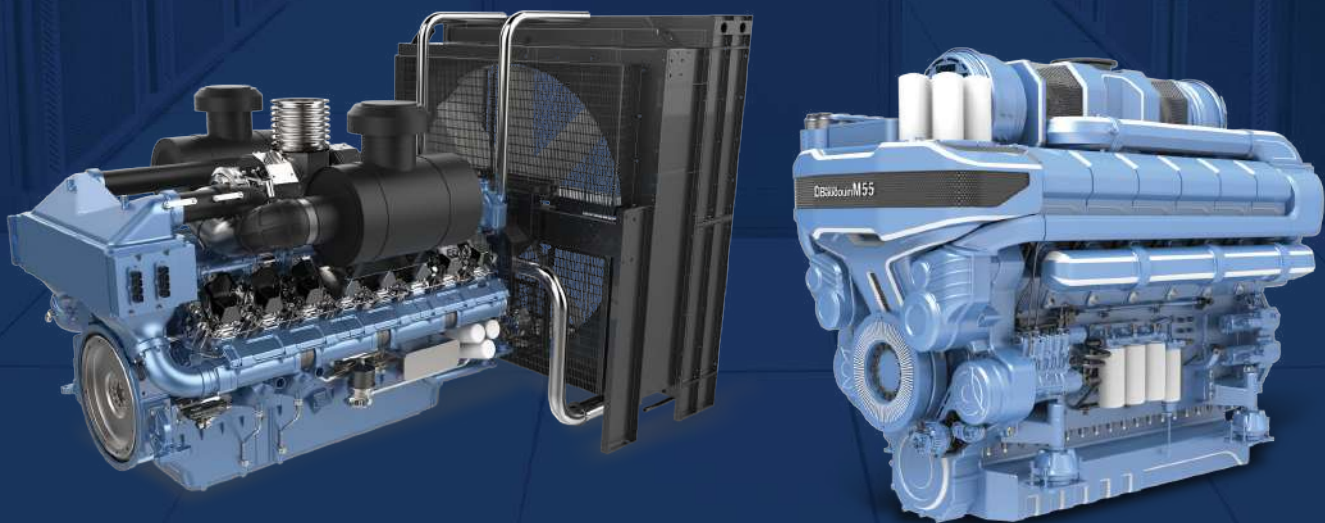
Compact design
ensuring smaller
footprint

5 years/5000 hrs
warranty coverage
for 5 critical
components (5C)

Extended warranty
5 years/5000 hrs
(optional)

Uninterrupted power for critical needs

Baudouin M series diesel engines



Why Baudouin

For over 100 years, Baudouin has been designing and manufacturing the highest quality diesel & gas engines for power generation, marine and a host of other applications. The compact design and robustness offers low noise level, durability, reliability and best total cost of ownership. Our Data Centre Power Ratings (DCP) meet the Uptime Institute Tier I to IV requirements making site certification seamless for our customer.

R&D

- 14 R&D Centres across North America, Europe & Asia
- 20k+ R&D professionals
- 5% of revenue spent on R&D YOY basis

Manufacturing

- State-of-the-art manufacturing facility in Pune, India since 2011
- ISO 9001: 2009 certification

Application Engineering

- 7 application centres across globe with technical experts dedicated for application development, customer support, product testing and validation

Service and after sales support

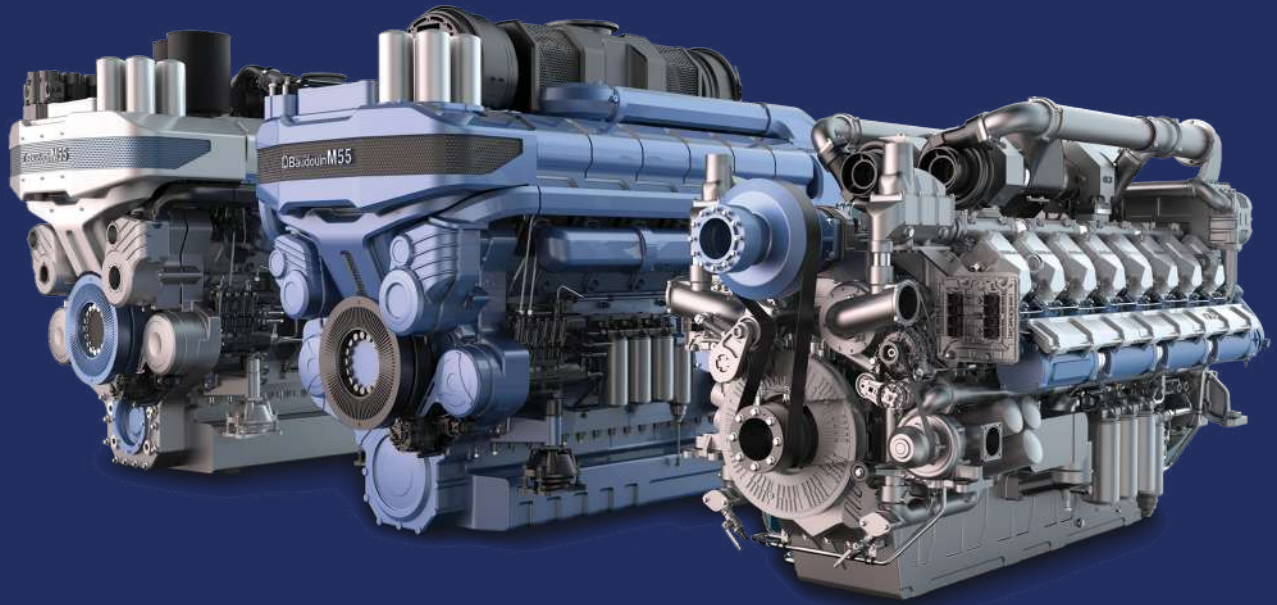
- 3S (sales, service and solution) offerings with single window approach
- Over 100+ service touch points with 24X7 service support.

Technical Specifications: Engine Datasheet - Data Centre Power (DCP) Rating

Engine model	6M33D660E310	12M33G1650/5	16M33G1900/5	16M33G2000/5	16M33G2250/5	16M33GD2250/5
Suitable kVA rating	750	1500	1750	1850	2000	2250
Gross Engine Output-Data centre Power(DCP)-kWm	660	1350	1530	1680	1800	1980
Net Engine Output-Data centre Power(DCP)-kWm	631.5	1293.4	1454.4	1604.4	1718.4	1898.4
Bore x stroke (mm)	150 x 185	150 x 185	150X185	150X185	150X185	150X185
Displacement (L)	19.6	39.2	52.3	52.3	52.3	52.3
No. of cylinders	6 - Inline	12-V	16	16	16	16
Aspiration	Turbocharged-Aftercooled					
Compression ratio	15:1					
Lubrication system						
Total lube oil capacity (L)	61	155	171	171	171	171
Recommended lube oil specification	CI4+15W40	15W40 API CI4+	15W40 API CI4+	15W40 API CI4+	15W40 API CI4+	15W40 API CI4+
Fuel system						
Injection pump type	HPCR	HPCR	HPCR	HPCR	HPCR	HPCR
Governor method	ECU	ECU	ECU	ECU	ECU	ECU
Governing Class	G3	G3	G3	G3	G3	G3
Exhaust System						
Air Intake Mass Flow (m3/min)	51.5	101.1	116.1	150	150	180
Max. Exhaust Temperature after turbocharger (°C)	≤550	≤550	≤ 550	≤ 550	≤ 550	≤ 550
Min. diameter of exhaust pipe (mm)	200	220	200	200	200	200
Electrical system						
Satrtng system voltage	24V DC	24V DC	24	24	24	24
Recommended battery capacity (Ah)	150	180	200	200	200	200
Cooling system						
Total coolant capacity (L)	159	303	542	542	542	542
Recommended coolat specification	50 : 50 Ethylene glycol premix					
Dimensions and weight (Power Pack Assembly)						
Length (mm)	2798	3482	3967	3967	4116	4116
Width (mm)	1680	2192	2237	2237	2756	2756
Height (mm)	1954	2246	2485	2485	2870	2870
Weight (kg)	2620	4405	6470	6470	6845	6845
Engine model						
	20M33GD2500/5	12M55G3000/5	16M55G3300/5	16M55G3750/5	16M55G4000/5	
Suitable kVA rating	2500	2750	3000	3300	3750	
Gross Engine Output-Data centre Power(DCP)-kWm	2210	2420	2646	2900	3300	
Bore x stroke (mm)	150X185	180X 215	150 X 185	180 X 215	180 X 215	
Displacement (L)	65.4	65.65	87.5	87.5	87.5	
No. of cylinders	20	12	16	16	16	
Aspiration	Turbocharged and Aftercooled					
Compression ratio	15:1			16.5:1		
Lubrication system						
Total lube oil capacity (L)	240	480	500	500	500	
Recommended lube oil specification	15W40 API CI4+	15W40 API CI4+	15W40 API CI4+	15W40 API CI4+	15W40 API CI4+	
Fuel system						
Injection pump type	HPCR	HPCR	HPCR	HPCR	HPCR	
Governor method	ECU	ECU	ECU	ECU	ECU	
Governing Class	G3	G3	G3	G3	G3	
Exhaust System						
Air Intake Mass Flow (m3/min)	168	184.8	194	220.3	220.3	
Max. Exhaust Temperature after turbocharger (°C)	≤ 550	≤ 550	≤ 550	≤ 550	≤ 550	
Min. diameter of exhaust pipe (mm)	200	280	280	280	280	
Electrical system						
Satrtng system voltage	24	24	24	24	24	
Recommended battery capacity (Ah)	200	200	200	200	200	
Cooling system						
Total coolant capacity (L)	410	306	780.5	780.5	780.5	
Recommended coolat specification	50 : 50 Ethylene glycol premix					
Dimensions and weight (Power Pack Assembly)						
Length (mm)	4611	2958	5033	5033	5033	
Width (mm)	2756	1544	2996	2996	2996	
Height (mm)	2870	2616	3150	3150	3150	
Weight (kg)	8275	9550	14910	14910	14910	

- Datacentre power is defined as being the maximum power which a generating set is capable of delivering while supplying a variable or continuous electrical load for unlimited run hours.

Baudouin M series diesel engines



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



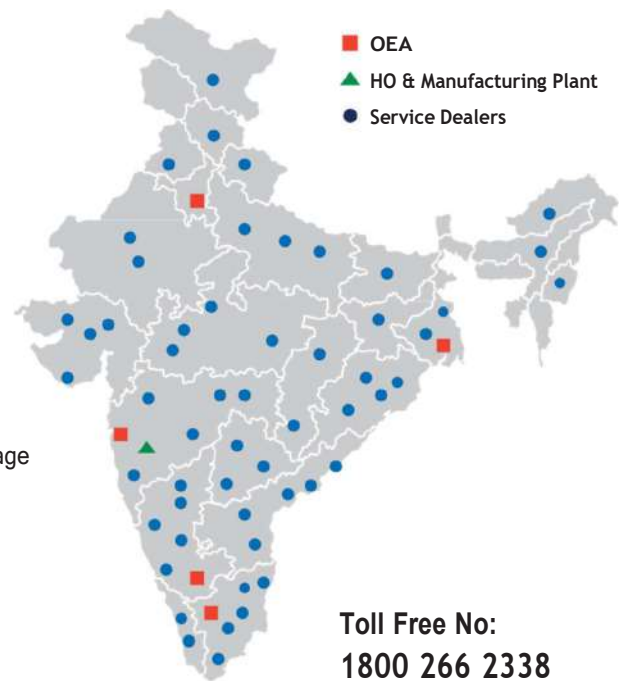
Hassle - free comprehensive coverage for 5yrs/5000hrs



Service Support



2yrs/5000hrs Standard Warranty



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