

## PowerKit

Engines for Genset  
250-4000 kVA

Durable | Robust | Built to Last

[www.baudouinindia.com](http://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 - 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

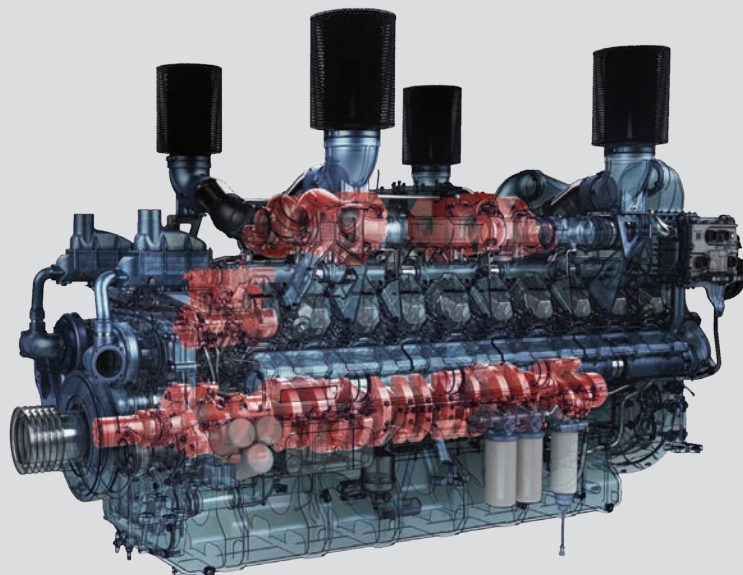
Designed for DCC, Prime/Standby ratings



**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 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          |
| 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         | 15:1       | 15.7:1        |
| <b>Performance data</b>                          |                                 |            |              |              |            |              |              |            |               |
| 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         |
| <b>Lubrication system</b>                        |                                 |            |              |              |            |              |              |            |               |
| 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                       |            |              |              |            |              |              |            |               |
| <b>Fuel system</b>                               |                                 |            |              |              |            |              |              |            |               |
| 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            |
| <b>Exhaust System</b>                            |                                 |            |              |              |            |              |              |            |               |
| 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           |
| <b>Electrical system</b>                         |                                 |            |              |              |            |              |              |            |               |
| 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         |
| <b>Cooling system</b>                            |                                 |            |              |              |            |              |              |            |               |
| Total coolant capacity (L)                       | 32                              | 44         | 55           |              |            | 71           | 159          | 152        | 225           |
| Recommended coolant specification                | 50 :50 Ethylene glycol premix   |            |              |              |            |              |              |            |               |
| <b>Dimensions and weight (Power Pack)</b>        |                                 |            |              |              |            |              |              |            |               |
| 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 model                                     | 12M33D1210E200                  | 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         |
| 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       |
| <b>Performance data</b>                          |                                 |              |              |              |              |              |              |              |              |              |
| 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        |
| <b>Lubrication system</b>                        |                                 |              |              |              |              |              |              |              |              |              |
| 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+                  |              |              |              |              |              |              |              |              |              |
| <b>Fuel system</b>                               |                                 |              |              |              |              |              |              |              |              |              |
| 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           |
| <b>Exhaust System</b>                            |                                 |              |              |              |              |              |              |              |              |              |
| 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          |
| <b>Electrical system</b>                         |                                 |              |              |              |              |              |              |              |              |              |
| 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        |
| <b>Cooling system</b>                            |                                 |              |              |              |              |              |              |              |              |              |
| 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  |              |              |              |              |              |              |              |              |              |
| <b>Dimensions and weight (Power Pack)</b>        |                                 |              |              |              |              |              |              |              |              |              |
| 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

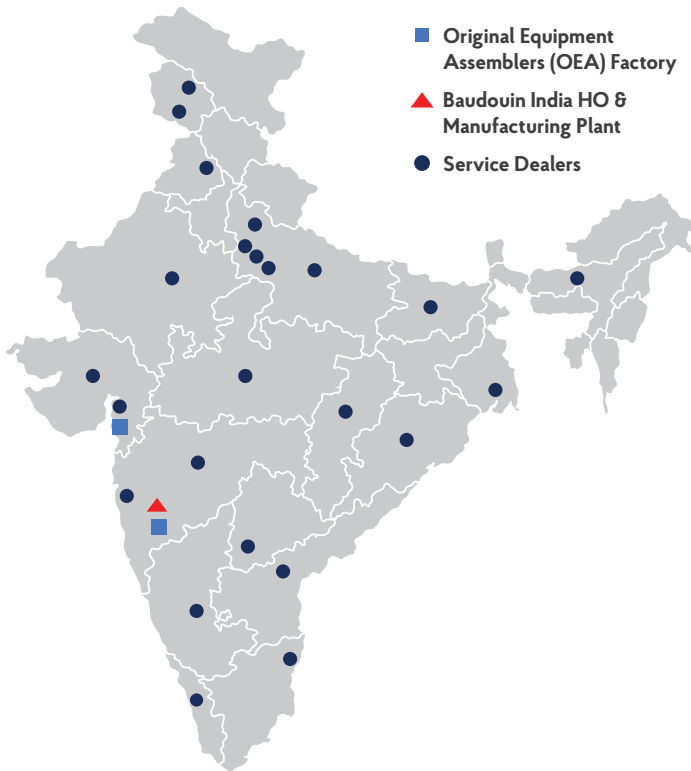


## Baudouin India service support

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.



- Original Equipment Assemblers (OEA) Factory
- ▲ Baudouin India HO & Manufacturing Plant
- Service Dealers



Genuine parts and tools



Hassle - free comprehensive coverage.



Service Support

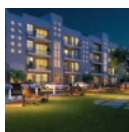


2yrs/5000hrs Standard Warranty

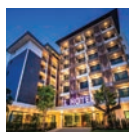
## Industries we serve



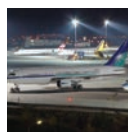
Shopping Mall & Commercial Buildings



Residential Realty



Hotels, Resorts & Restaurants



Airport



Warehouse & Cold Storage



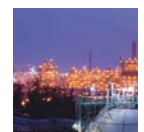
Hospitals & Critical Health Care Centres



Infra projects



Data Centre



Industrial Application



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