



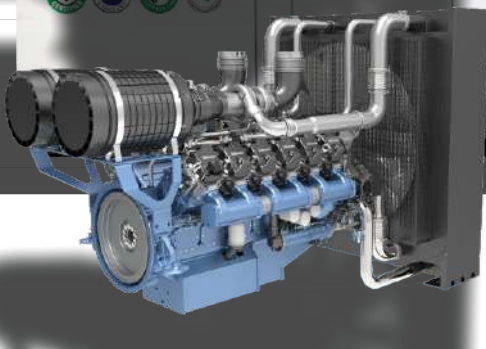
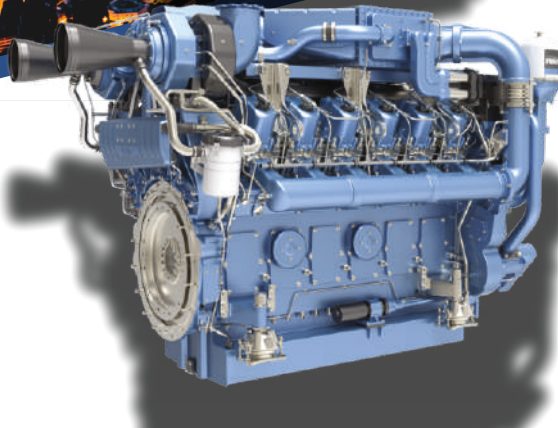
MARSZ ELECTRICALS
FROM VISION TO REALITY

POWERED BY

MOTEURS
Baudouin



★ ★ ★ ★ ★
Designed in France
**Made in
INDIA**



200 kVA to 3000kVA

Durable | Robust | Built to Last

MARSZ

SOLVING YOUR POWER NEEDS

Marsz Electricals (P) Ltd is India's leading provider of alternative power solutions that include power generators and renewable energy solutions. Our vast expertise acquired over more than 10 years in the business has driven us to achieve excellence in manufacturing power generators and servicing customers across a wide range of industries.

From telecom and retail to government and defense, Marsz enjoys a distinguished reputation for consistently delivering best-in-class alternative power solutions

Baudouin

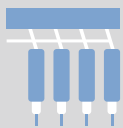
POWERING YOUR SUCCESS SINCE 1918

For 100 years, Baudouin has designed and manufactured the highest quality diesel engines for power generation and marine applications upto 3,150 kVA, a range that few engine manufacturers can match. You can expect reliability, durability and excellent total cost of ownership from Baudouin powered generators.

With global manufacturing facilities in India, France and China which are adapted to our customers' needs, you can count on us to deliver to your requirements on time and to specification.



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



HIGH PRESSURE COMMON RAIL SYSTEM

More reliable and reduced stress on injectors, which helps to reduce wear and tear



DUPLEX TYPE OIL FILTER WITH ELECTRIC PUMP

Helps to reduce friction and better start ability



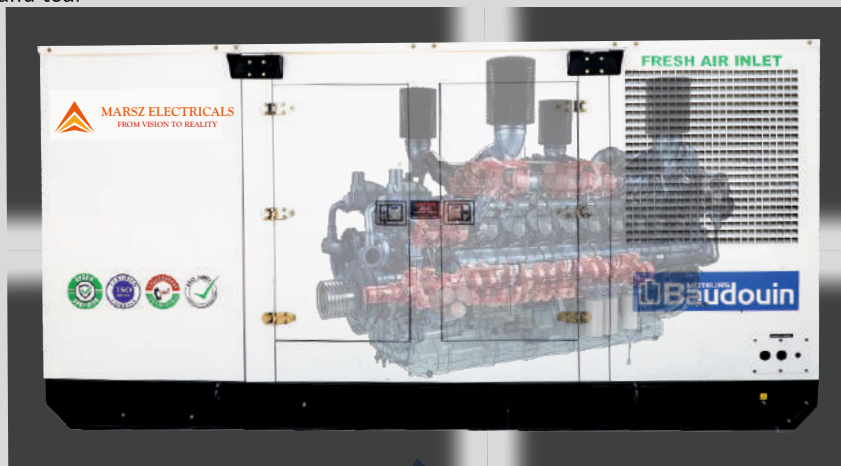
100 YEARS OF HERITAGE

From humble beginnings in Marseille, 1918



EXTENDED WARRANTY

Additional warranty of 2 yrs on complete genset*



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



INTERNATIONAL WARRANTY

With a global network of 200 partners

Engine basic data

| DG model | MBDN 250 | MBDN 320 | MBDN 400 | MBDN 500 | MBDN 520 | MBDN 625 | MBDN 750 |
|---|---------------------------|--------------|--------------|--------------|----------|--------------|--------------|
| Engine model | 6M12G6D2/5 | 6M19G320/5E3 | 6M21G440/5E3 | 6M21G500/5E3 | 6M21G6D2 | 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 - Inline | 6 - Inline | | 6 - Inline | | 8 - V type | 6 - Inline |
| Aspiration | Turbocharged-Aftercooled | | | | | | |
| Compression ratio | 17.5:1 | 17:1 | | 16:1 | | 15:1 | 15:1 |
| Performance data | | | | | | | |
| 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 |
| Lubrication system | | | | | | | |
| 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 | | | | | | |
| Fuel system | | | | | | | |
| 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 |

| Cooling system | | | | | | | |
|---|-------------------------------|---------|---------|---------|---------|---------|---------|
| Total coolant capacity (L) | 32 | 62 | | 55 | | 71 | 159 |
| Recommended coolant specification | 50 :50 Ethylene glycol premix | | | | | | |
| Dimensions and weight (Power Pack) | | | | | | | |
| Length (mm) | 4500 | 5200 | 5500 | 5500 | 5500 | 5950 | 7000 |
| Width (mm) | 1700 | 2000 | 2000 | 2000 | 2000 | 2350 | 2500 |
| Height (mm) | 2000 | 2385 | 2300 | 2252 | 2252 | 2550 | 2824 |
| Weight (kg) | 3350 | 5120 | 6000 | 6400 | 6500 | 8000 | 9700 |
| Fuel Tank Capacity in Ltr | 500 | 700 | 700 | 700 | 700 | 990 | 990 |
| Alternator | | | | | | | |
| Frequency (Hz) | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Insulation | Class H | Class H | Class H | Class H | Class H | Class H | Class H |

Engine basic data

| DG model | MBDN 1010 | MBDN 1250 | MBDN 1500 | MBDN 1750 | MBDN 1850 | MBDN 2000 | MBDN 2250 | MBDN 2500 |
|---|---------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 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 (HP) | 1298 | 1623 | 1944 | 2253 | 2414 | 2655 | 2964 | 3285 |
| 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 |
| Performance data | | | | | | | | |
| 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 |
| Lubrication system | | | | | | | | |
| 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 | | | | | | | |
| Fuel system | | | | | | | | |
| 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 |

| Cooling system | | | | | | | | |
|---|---------|---------|---------|---------|---------|------------|---------|---------|
| Total coolant capacity (L) | 225 | 240 | 303 | 542 | 542 | 542 | 410 | 306 |
| Dimensions and weight (Power Pack) | | | | | | | | |
| Length (mm) | 7100 | 7100 | 9000 | 11000 | 11000 | Customized | | |
| Width (mm) | 2500 | 2500 | 3000 | 3500 | 3500 | | | |
| Height (mm) | 3140 | 3140 | 3140 | 4000 | 4000 | | | |
| Weight (kg) | 12000 | 12850 | 17500 | 21000 | 23000 | | | |
| Fuel Tank Capacity in Ltr | 990 | 990 | 990 | 990 | 990 | | | |
| Alternator | | | | | | | | |
| Frequency (Hz) | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Insulation | Class H | Class H | Class H | Class H | Class H | Class H | Class H | Class H |

* 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.

Warranty Terms:
Warranty period covers 2 Years or 5000 Hours run* (Whichever is earlier)
*TERMS AND CONDITIONS APPLY

Standard scope comprising of:

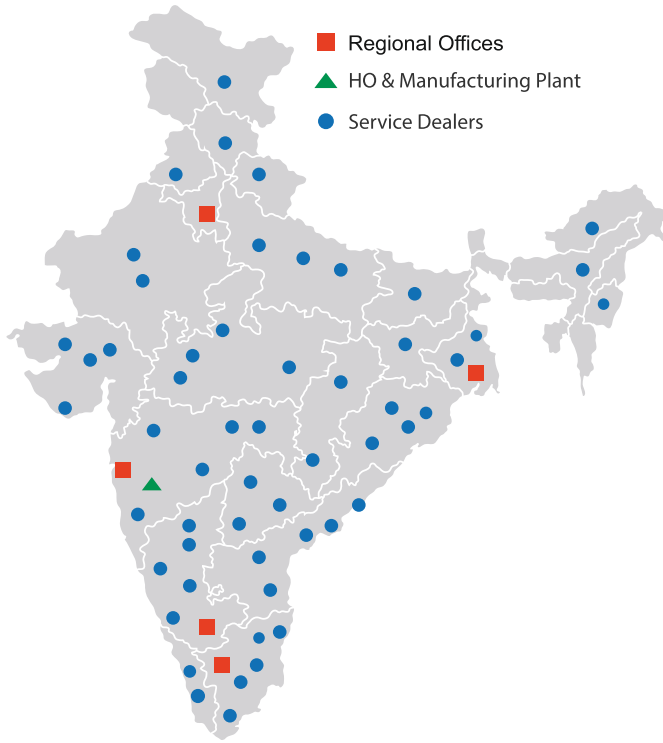
Diesel Engine/ AC Generator/ Base frame/ Standard Control Panel/ Radiator/ Silencer/ Battery & Battery Cable/ AVMs/ First Fill of Lube Oil/ First fill of Coolant/ DG Set Controller/ Fuel Tank/ Wiring Harness/ Sensors

One step solution:

Customised power solutions, installation, commissioning, operations contract, AMC/CAMC, renting power, hybrid solution, Electric Board approval, Electrical options AMF/ Auto Synchronising panel, CRM, NGR, NIS, VCB Voltage options: 415V, HT 3.3/6.6/11kv, Cooling systems: Remote radiator/ Heat exchanger

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-CRD_i for swift response
- Highest Block loading
- Made in India



Marsz Service Support

Marsz has single window solution for sales and market support that ensures attention to our esteemed clientele at the shortest possible time.

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

Our service dealers 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

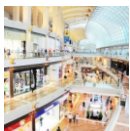


Skill Development



Recon and Rebuild

Industries we serve



Shopping Mall & Commercial Buildings



Residential Realty



Hotels, Resorts & Restaurants



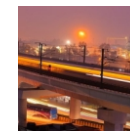
Airport



Warehouse & Cold Storage



Hospitals & Critical Health Care Centres



Infra projects



Data Centre



Industrial Application

Our clients

1,00,000+ DIESEL GENERATING SETS DELIVERED



Marsz Electricals (P) Ltd.

Registered Address

Balaji Tower, C-607/30, Vashi,
Opp. Sanpada Station (W),
Navi Mumbai - 400705

Contact us at:

WEBSITE: www.marszelectricals.com

Email: sales@marszelectricals.com

Telephone: +91 9322133738

Helpline: +91 7021943790