

Gensets of RIGAS DIZELIS DG make, based on BAUDOUIIN power-kit engines. Gensets based on BAUDOUIIN engines have been designed and developed to be the cost effective solution for diverse application.

This genset line (based on BAUDOUIIN industrial engine range) covers 30 kVA – 1250 kVA PRIME POWER range 50Hz (1500 RPM) for and 33 kVA – 1375 kVA STANDBY POWER range 50Hz (1500 RPM). 60 Hz (1800 RPM) versions available for all models as well.

Description & Key Scope



- Common bed frame, manufactured of electro welded steel profiles
- Control panel (on genset frame)
- Vibration isolators between generating set and base frame
- Integrated fuel tank
- Radiator cooling system
- Fully guarded fan
- Electric starter, engine-driven charging alternator
- Flexible compensator and silencer
- Drawing & Manual package
- Factory Test Report
- Factory Quality Certificates

| Genset model | Prime power*, kVA | Standby Power*, kVA | Fuel consumption (100% load), l/h | Standard fuel tank, liter | Length**, cm | Width**, cm | Height**, cm | Weight**, kg |
|-------------------------------|-------------------|---------------------|-----------------------------------|---------------------------|--------------|-------------|--------------|--------------|
| 50 Hz, 400 V, 1500 rpm | | | | | | | | |
| E750BM | 750 | 825 | 157 | 1000 | 420 | 226 | 234 | 6150 |
| E800BM | 800 | 880 | 169 | 1000 | 420 | 226 | 234 | 6320 |
| E930BM | 930 | 1023 | 195 | 1000 | 420 | 226 | 234 | 6580 |
| E1025BM | 1025 | 1127 | 209.5 | 1000 | 420 | 226 | 234 | 6715 |

** final dimensions and weight dependent on selected options

Description & Key Scope

* Prime Power rated in accordance with ISO 8528-1.

Prime Power

Unlimited hours of use. Average variable load factor is 70% of the Prime Power rating. 10% overload limited to 1 in 12 hours and/or not to exceed 500 hours per year. The 10% overload is available.

Standby Power

Maximum output available. Typical usage of 200 hours per year with a maximum of 500 hours per year with varying loads. Average variable load factor is 70% of Standby Power rating. No overload is available.

Engine General Data*

| | |
|--------------------------------------|-----------------------------|
| Maker | BAUDOUIN |
| Model | 12M26G825/900/1000/1100/5e2 |
| No of cylinders | V-12 |
| Working principle | 4-stroke |
| Displacement, L | 31.8 |
| Bore x stroke, mm | 150 x 150 |
| Compression ratio | 15.7:1 |
| Aspiration | Turbocharged |
| Rotation (seen from flywheel end) | Counter clockwise |
| Flywheel | SAE 0 |
| Injection system type | Mechanical Pump |
| Governor type | Electronic |
| Oil capacity | 78 (min) – 109 (max) liter |
| Starter type | 1-pole, 24V, DC |

* Other engine parameters are available on request.

Alternator General Data**

| | |
|---------------------|--|
| Maker | Mecc Alte (Italy) (other brands on request) |
| Poles | 4 |
| Cos φ | 0.8 |
| Coupling | Direct |
| Insulation class | H |
| Execution | Brushless |
| Standard protection | IP21 |

** Other alternator parameters are available on request.

Available Key Options (other options are available on request)

Engine

- Engine water jacket heater
- Manual lub oil drain pump
- Starting batteries
- Static battery charger
- Starting battery switch

Alternator

- Winding and bearing temperature measuring
- Anti-condensation heater
- IP23 protection
- Quadrature Droop kit

Control

- Remote control panel
- ATS Automatic transfer switch
- Synchronizing with mains or other genset(s)

Other

- Installation in soundproof and weathertight canopy or container
- Additional main fuel tank with automatic fuel filling system
- On-road trailer
- Special tools and spare parts
- Commissioning and start-up
- Extended warranty



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