

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								
E63BM	63	69	14.6	200	202	88	125	915
E80BM	80	88	19.1	200	202	88	125	1015
E100BM	100	110	22.1	200	220	88	125	1045

** 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	BAUDOUIIN
Model	4M11G70/90/120/5e2
No of cylinders	4 in-line
Working principle	4-stroke
Displacement, L	4.5
Bore x stroke, mm	105 x 130
Compression ratio	18:1
Aspiration	Turbocharged
Rotation (seen from flywheel end)	Counter clockwise
Flywheel	SAE3
Injection system type	Mechanical Pump
Governor type	Electronic
Oil capacity	9 (min) – 11 (max) liter
Starter type	1-pole, 12V, 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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