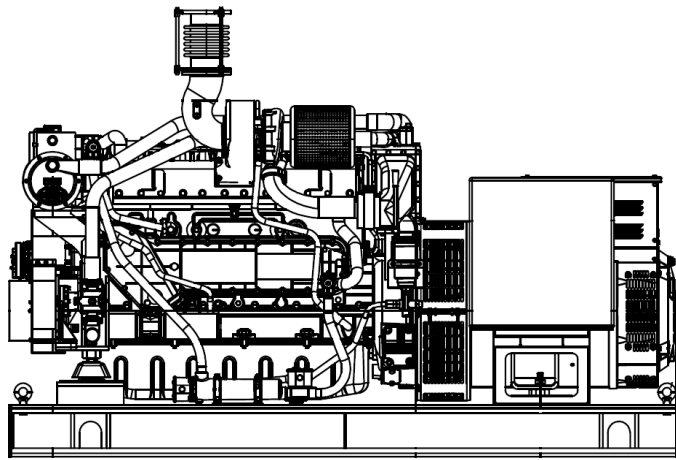


Gensets of RIGAS DIZELIS DG make, based on BAUDOUIIN marine engines.

RIGAS DIZELIS DG marine gensets based on BAUDOUIIN engines have been designed and developed to operate in diverse sea conditions. Certification by all major classification authorities is available.



### 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
- Keel or heat exchanger cooling system
- Engine heater
- 24V starter, engine-driven charging alternator
- Flexible compensator and silencer
- Alternator anti-condensation heater
- Drawing & Manual package
- Factory Test Report
- Factory Quality Certificates
- Certificates from major IACS members are available
- EIAPP certificate for engine with Technical File

Genset model	PRP*, kWe	Fuel consumption (100% load), l/h	Genset model	PRP*, kWe	Fuel consumption (100% load), l/h	Length**, cm	Width**, cm	Height**, cm	Weight**, kg
50 Hz, 400 V, 1500 rpm			60 Hz, 440 V, 1800 rpm						
EM144BL	144	36.0	6EM168BL	168	45.7	235	120	167	2070
EM156BL	156	39.0	6EM184BL	184	49.8	235	120	167	2100
EM176BL	176	43.5	6EM209BL	209	56.0	235	120	167	2175
EM185BL	185	45.8	6EM214BL	214	57.5	235	120	167	2180

\*\* final dimensions and weight dependent on selected options

### Description & Key Scope

\*Prime Power rated in accordance with ISO 3046-1 in ambient conditions of 45°C and 100kPa.

For continuous operation and unlimited yearly operation at varying load. Max. mean load factor of 70% of rated power over 24h of operation. 1 hour/12 hours period of accumulated peak overload to 110%.

## Engine General Data\*

Maker	BAUDOQUIN
Model	6M16
No of cylinders	6 in-line
Working principle	4-stroke
Displacement, L	9.7
Bore x stroke, mm	126 x 130
Compression ratio	17:1
Aspiration	Turbocharged + intercooler
Rotation (seen from flywheel end)	Counter clockwise
Flywheel	SAE 14"
Injection system type	In line injection pump
Governor type	Electronic
Oil capacity	20 liter
Starter type	2-pole, 24V, DC

\* Other engine parameters are available on request.

## Alternator General Data\*\*

Maker	STAMFORD (CUMMINS) LEROY-SOMER (other brands on request)
Poles	4
Cos $\varphi$	0.8
Coupling	Direct
Insulation class	H
Temperature Rise class	F/H
Execution	Brushless
Standard protection	IP23

\*\* Other alternator parameters are available on request.

## Available Key Options (other options are available on request)

### Engine

- Radiator cooling system (for Emergency / Harbour gensets)
- Manual or electric lub oil drain pump
- Starting batteries
- Static battery charger
- Air, spring or hydraulic starter
- Duplex oil and fuel filters

### Alternator

- Winding temperature measuring
- Bearing temperature measuring
- Quadrature droop kit for parallel operation
- Air filter
- IP44 protection
- Water cooling

### Control

- Remote control panel
- Potentiometers for remote engine speed and alternator voltage regulation

### Other

- Installation in soundproof and weathertight canopy or container
- Special tools and spare parts
- Commissioning and start-up
- Extended warranty



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