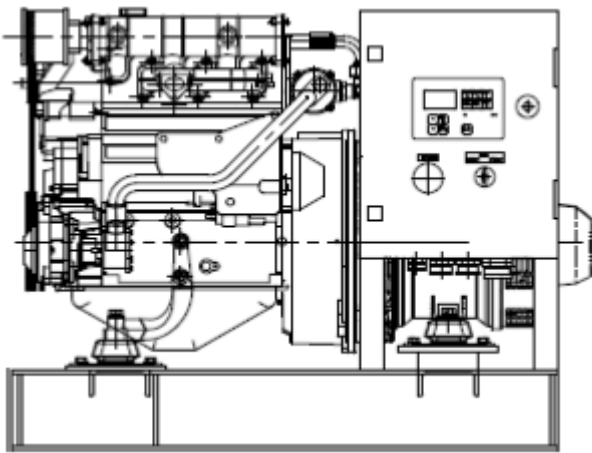


Gensets of RIGAS DIZELIS DG make, based on RDS marine engines have been designed with two things in mind – durability and cost effectiveness. The core of the engine is of German origin, marinized tested and certified in-house using carefully selected EU components.

RIGAS DIZELIS DG RDS marine gensets 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
- 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 RS (IACS member) and RRR are available

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						
EM10RDS	10	3.6	6EM13RDS	13	4.3	118	72	89	373
EM12RDS	12	3.3	6EM15RDS	15	5.0	118	72	89	386

** 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	Rigas Dizelis DG
Model	3RD2.3MG
No of cylinders	3 in-line
Working principle	4-stroke
Displacement, L	2.33
Bore x stroke, mm	94 x 112
Compression ratio	18.5:1
Piston speed, m/s	10.45
Aspiration	Naturally aspirated
Rotation (seen from flywheel end)	Counter clockwise
Flywheel	SAE 3/11.5"
Injection system type	Single injection pump for each cylinder
Governor type	Mechanical
Oil capacity	6 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 φ	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 lub oil drain pump
- Starting batteries
- Static battery charger
- Air, spring or hydraulic starter
- Duplex fuel filters
- Electronic governor

Alternator

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

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



ANNO 1949

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