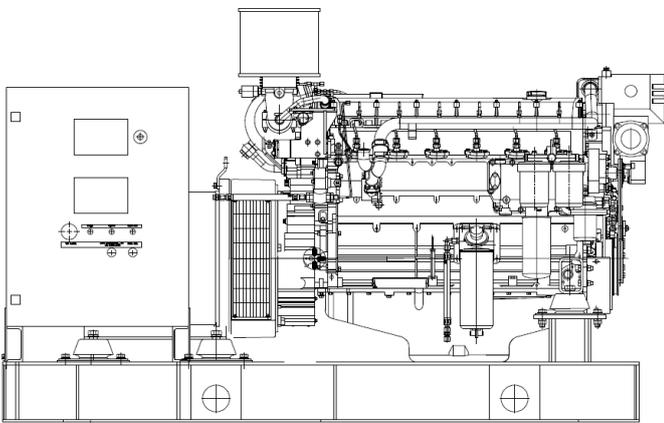


Gensets of RIGAS DIZELIS DG make, based on DEUTZ marine engines are designed to be durable and robust. DEUTZ engines of EU origin, have been recognized throughout time for the world-famous German quality. RIGAS DIZELIS DG marine gensets based on DEUTZ engines have been designed and developed to operate 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*, kW _e	Fuel consumption (100% load), l/h	Genset model	PRP*, kW _e	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						
EM108DS	108	27.6	6EM105DS	105	26.8	221	97	140	1470
EM119DS	119	29.3	6EM124DS	124	30.5	225	100	140	1590
EM130DS	130	37.0	6EM137DS	137	39.0	230	100	140	1640

** 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	DEUTZ
Model	BF6M1013
No of cylinders	6 in-line
Working principle	4-stroke
Displacement, L	7.2
Bore x stroke, mm	108 x 130
Compression ratio	19.0
Aspiration	Turbocharged
Rotation (seen from flywheel end)	Counter clockwise
Flywheel	SAE 11,5"
Injection system type	Unit pumps
Governor type	Mechanical
Oil capacity	21,5 (min) – 23 (max) 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 or electric lub oil drain pump
- Starting batteries
- Static battery charger
- Air, spring or hydraulic starter
- Duplex oil and fuel filters
- Electronic governor

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



ANNO 1949

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