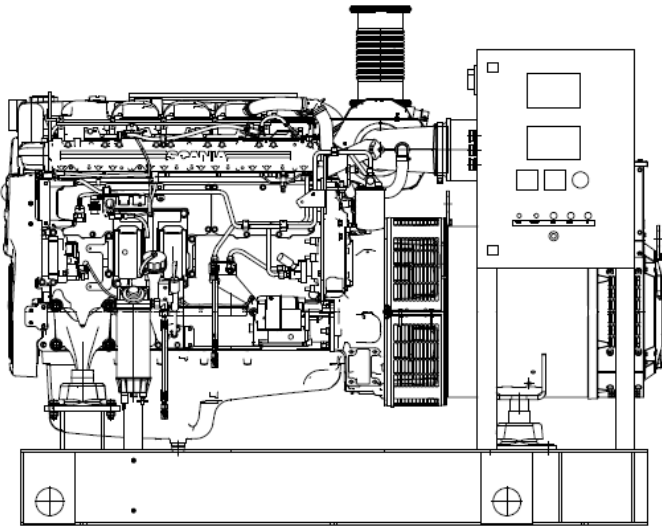


Gensets of RIGAS DIZELIS DG make, based on SCANIA marine engines are dependable, reliable and powerful. These gensets are compact with a favourable power-to-weight ratio, that ensures easy installation and maintenance. Scania's marine engines for auxiliary and power generation have been designed and developed to operate in diverse sea conditions. The key advantages are easy access to service points, robust engineering and electronics that monitor and regulate the system for maximum performance. 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						
EM136S9S	136	33.8	6EM170S9S	170	42.3	224	124	160	2000
EM168S9S	168	41.2	-	-	-	239	124	160	2230
EM184S9S	184	44.7	6EM195S9S	195	47.3	239	124	160	2320
EM220S9S	220	53.8	6EM245S9S	245	59.9	239	124	160	2535
EM248S9S	248	61.2	6EM295S9S	295	72.7	248	124	160	2670

** 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	SCANIA
Model	DI09 074M
No of cylinders	5 in-line
Working principle	4-stroke
Displacement, L	9.3
Bore x stroke, mm	130 x 140
Compression ratio	18:1
Aspiration	Turbocharged
Rotation (seen from flywheel end)	Counter clockwise
Flywheel	SAE14
Injection system type	Unit injector, PDE
Governor type	Electronic (EMS)
Oil capacity	32 (min) – 38 (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

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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