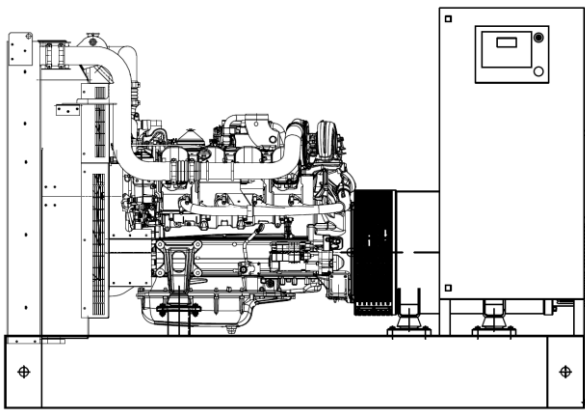


Gensets of RIGAS DIZELIS DG make, based on SCANIA engines are dependable, reliable and powerful. These gensets are compact with a favourable power-to-weight ratio, that ensures easy installation and maintenance.

This genset line covers 250 kVA – 700 kVA PRIME POWER range 50Hz (1500 RPM) and 275 kVA – 770 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								
E500SM	500	550	102,2	800	300	150	225	3135
E550SM	550	605	112,1	800	314	150	225	3250
E595SM	595	654	121,1	800	314	150	225	3385
E620SM	620	682	126,2	800	314	150	225	3385
E700SM	700	770	140,6	800	314	150	225	3680

** 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	SCANIA
Model	DC16 078A
No of cylinders	V-8
Working principle	4-stroke
Displacement, L	16.4
Bore x stroke, mm	130 x 154
Compression ratio	16.7:1
Aspiration	Turbocharged
Rotation (seen from flywheel end)	Counter clockwise
Flywheel	SAE 14"
Injection system type	Unit injector, PDE
Governor type	Electronic (EMS)
Oil capacity	40 (min) – 48 (max) liter
Starter type	1-pole, 24V, 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



ANNO 1949

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