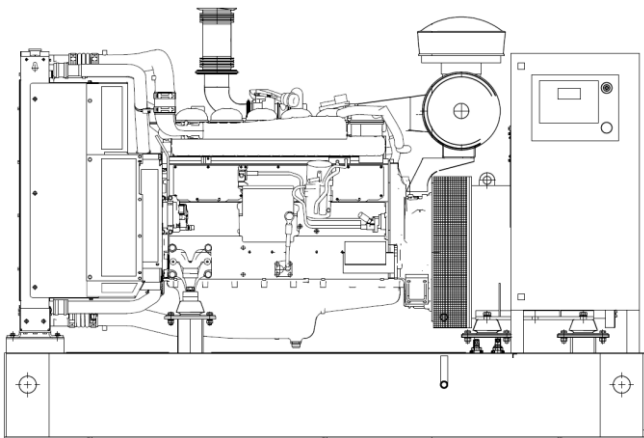


Gensets of RIGAS DIZELIS DG make, based on SCANIA engines are dependable, reliable and powerful. These gensets are compact with a favourable power-to-weight ratio, that ensures easy installation and maintenance.

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 |                   |                     |                                   |                           |              |             |              |              |
| E350SM                 | 350               | 385                 | 68,1                              | 800                       | 300          | 140         | 197          | 2550         |
| E400SM                 | 400               | 440                 | 78,3                              | 800                       | 310          | 145         | 197          | 2685         |
| E450SM                 | 450               | 495                 | 89,5                              | 800                       | 310          | 145         | 197          | 2770         |
| E490SM                 | 490               | 539                 | 100,2                             | 800                       | 310          | 145         | 197          | 2845         |

\*\* 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                                | DC13 072A                 |
| No of cylinders                      | 6 in-line                 |
| Working principle                    | 4-stroke                  |
| Displacement, L                      | 12.7                      |
| Bore x stroke, mm                    | 130 x 160                 |
| Compression ratio                    | 16.3:1                    |
| Aspiration                           | Turbocharged              |
| Rotation<br>(seen from flywheel end) | Counter clockwise         |
| Flywheel                             | SAE 14"                   |
| Injection system type                | Unit injector, PDE        |
| Governor type                        | Electronic (EMS)          |
| Oil capacity                         | 30 (min) – 36 (max) liter |
| Starter type                         | 1-pole, 24V, DC           |

\* Other engine parameters are available on request.

## Alternator General Data\*\*

|                     |  |
|---------------------|--|
| Maker               | Mecc Alte (Italy)<br>(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



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