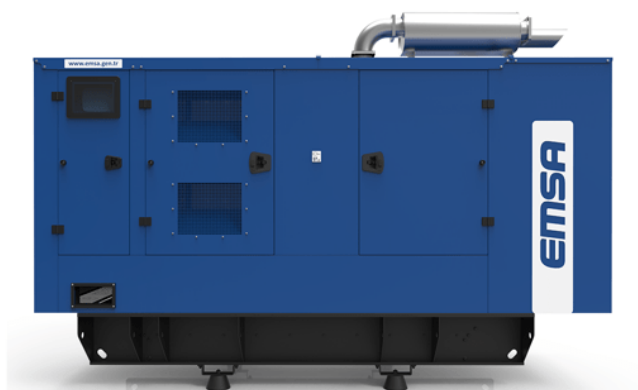




## MG-SCE-0275

SCANIA Series Diesel Generator Sets

|          |     |     |
|----------|-----|-----|
| Stand by | kVA | 275 |
|          | kW  | 220 |

|       |     |     |
|-------|-----|-----|
| PRIME | kVA | 250 |
|       | kW  | 200 |



SCANIA



EMSA



Smart 500 mk



Water Cooled



50 hz



3 phase



Easy maintenance



Modular type sound-proof canopy



Diesel



Remote control system



Warning system for decreasing fuel



## Engine Specifications

- SCANIA series heavy duty diesel engine
- 4 Cycle, Water Cooling system, TURBOCHARGED - INTERCOOLER Induction
- Electronic governor system
- 12/24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Flexible fuel pipe
- Oil discharge valve and extension pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

|                     |                  |     |
|---------------------|------------------|-----|
| Model               | DC09 072 A 02 11 |     |
| Power               | Stand by kW      | 249 |
|                     | Prime kW         | 226 |
| Speed (rpm)         | 1500             |     |
| Cycle               | 4                |     |
| Displacement (lt)   | 9,3              |     |
| Number of cylinders | 5, in line       |     |
| Bore & Stroke       | 130 x 140        |     |
| Compression ratio   | 16 : 1           |     |

|                                        |                            |    |
|----------------------------------------|----------------------------|----|
| Governor type                          | Electronic                 |    |
| Induction                              | TURBOCHARGED - INTERCOOLER |    |
| Combustion System                      | Direct                     |    |
| Cooling system                         | Water                      |    |
| Fuel consumption (lt/h)                | 100%                       | 50 |
|                                        | 75%                        | 38 |
|                                        | 50%                        | 26 |
| Total lubrication system capacity (lt) | 36                         |    |
| Total coolant capacity (lt)            | 37                         |    |



## Alternator Specifications

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil and acid

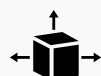
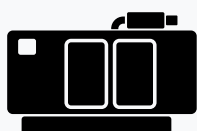
|                 |                   |
|-----------------|-------------------|
| Brand           | EMSA              |
| Model           | EGK280-220N       |
| Frequency (hz)  | 50                |
| Power (KVA)     | 286               |
| Design          | 4 pole, brushless |
| Connection type | Star              |
| Voltage (V)     | 400               |

|                          |         |
|--------------------------|---------|
| phase                    | 3       |
| A.V.R.                   | SX460   |
| Voltage regulation (+/-) | ± 1%    |
| Insulation system        | Class H |
| Protection               | IP23    |
| Rated power factor       | 0,8     |
| Weight (kg)              | 727     |



## Canopy

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Weatherproof canopy rating is IP 23
- Canopy designed for easy maintenance



Dimensions  
(W x L x H) mm

1200x3600x2480 \*



Weight (Kg)

2380,6



Fuel tank capacity (lt)

415

- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window
- Insulation details: Non-flammable acoustic foam
- Nano tech cleaning system



Dimensions  
(W x L x H) mm

1200x2850x1895



Weight (Kg)

1999



Fuel tank capacity (lt)

415

## Silencer options

- Standard industrial type
- Critical type
- Hospital type

## Gen-Set safety protection & alarms

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level

## Optional Equipments

- Charge ammeter
- Moulded case circuit breaker (in automatic models)
- Hospital/Critical type silencer
- Modular type sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-16 gensets

## Canopy options

- Standard canopy
- Super silent canopy
- Extra super silent canopy (thicker insulation)

- Over current load
- High & low genset voltage
- Start/stop failure

- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water separator filter
- PMG warning system