



## MG-SDS-0550

SDEC Series Diesel Generator Sets

|          |     |     |
|----------|-----|-----|
| Stand by | kVA | 550 |
|          | kW  | 440 |

|       |     |     |
|-------|-----|-----|
| PRIME | kVA | 500 |
|       | kW  | 400 |



SDEC



STAMFORD



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

- SDEC series heavy duty diesel engine
- 4 Cycle, Water Cooling system, PDF\_TURBOCHARGED\_AIRTOAIRCOOLED 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               | SC25G610D2  |     |
| Power               | Stand by kW | 445 |
|                     | Prime kW    | 405 |
| Speed (rpm)         | 1500        |     |
| Cycle               | 4           |     |
| Displacement (lt)   | 25,8        |     |
| Number of cylinders | 12 V        |     |
| Bore & Stroke       | 135 x 150   |     |
| Compression ratio   | 16 : 1      |     |

|                                           |                                 |     |
|-------------------------------------------|---------------------------------|-----|
| Governor type                             | Electronic                      |     |
| Induction                                 | PDF_TURBOCHARGED_AIRTOAIRCOOLED |     |
| Combustion System                         | Direct                          |     |
| Cooling system                            | Water                           |     |
| Fuel consumption (lt/h)                   | 100%                            | 100 |
|                                           | 75%                             | 76  |
|                                           | 50%                             | 54  |
| Total lubrication system capacity (lt) 65 |                                 |     |
| Total coolant capacity (lt)               |                                 | 147 |



## 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           | STAMFORD          |  |
| Model           | HC1544D           |  |
| Frequency (hz)  | 50                |  |
| Power (KVA)     | 590               |  |
| Design          | 4 pole, brushless |  |
| Connection type | Star              |  |
| Voltage (V)     | 400               |  |

|                          |         |  |
|--------------------------|---------|--|
| phase                    | 3       |  |
| A.V.R.                   | AS440   |  |
| Voltage regulation (+/-) | ± 1%    |  |
| Insulation system        | Class H |  |
| Protection               | IP23    |  |
| Rated power factor       | 0,8     |  |
| Weight (kg)              | 1393    |  |



## 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

1816x4200x2806 \*



Weight (Kg)

5171



Fuel tank capacity (lt)

1263

- 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

1700x3750x2350



Weight (Kg)

4343



Fuel tank capacity (lt)

1263

## 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

## Canopy options

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

## Optional Equipments

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

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