



## MG-SDS-1100

SDEC Series Diesel Generator Sets

|          |     |      |
|----------|-----|------|
| Stand by | kVA | 1100 |
|          | kW  | 880  |

|       |     |      |
|-------|-----|------|
| PRIME | kVA | 1000 |
|       | kW  | 800  |



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, TURBOCHARGED - AFTERCOOLER 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               | 6WTAA35-G31 |     | Governor type                          | Electronic                 |  |
| Power               | Stand by kW | 970 | Induction                              | TURBOCHARGED - AFTERCOOLER |  |
|                     | Prime kW    | 882 |                                        |                            |  |
| Speed (rpm)         | 1500        |     | Combustion System                      | Direct                     |  |
| Cycle               | 4           |     | Cooling system                         | Water                      |  |
| Displacement (lt)   | 35,1        |     | Fuel consumption 100%                  | 188                        |  |
| Number of cylinders | 6, in line  |     | (lt/h) 75%                             | 137                        |  |
| Bore & Stroke       | 186 x 215   |     | 50%                                    | 93                         |  |
| Compression ratio   | 15 : 1      |     | Total lubrication system capacity (lt) | 100                        |  |
|                     |             |     | Total coolant capacity (lt)            | 146                        |  |



## 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          | phase                    | 3       |
| Model           | HCI634J           | A.V.R.                   | MX321   |
| Frequency (hz)  | 50                | Voltage regulation (+/-) | ± 1%    |
| Power (KVA)     | 1110              | Insulation system        | Class H |
| Design          | 4 pole, brushless | Protection               | IP23    |
| Connection type | Star              | Rated power factor       | 0,8     |
| Voltage (V)     | 400               | Weight (kg)              | 2280    |



## 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 1950x5276x3400 \*



Weight (Kg) 9023



Fuel tank capacity (lt) 1560

- 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 1950x4470x2706



Weight (Kg) 7625



Fuel tank capacity (lt) 1560

## 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