



MG-SCS-0700

SCANIA Series Diesel Generator Sets

| | | |
|----------|-----|-----|
| Stand by | kVA | 700 |
| | kW | 560 |

| | | |
|-------|-----|-----|
| PRIME | kVA | 635 |
| | kW | 508 |



SCANIA



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

- 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 | DC16 093A 02 54 | |
| Power | Stand by kW | 614 |
| | Prime kW | 558 |
| Speed (rpm) | 1500 | |
| Cycle | 4 | |
| Displacement (lt) | 16,4 | |
| Number of cylinders | 8 V | |
| Bore & Stroke | 130 x 154 | |
| Compression ratio | 16,7 : 1 | |

| | | |
|--|----------------------------|-----|
| Governor type | Electronic | |
| Induction | TURBOCHARGED - INTERCOOLER | |
| Combustion System | Direct | |
| Cooling system | Water | |
| Fuel consumption (lt/h) | 100% | 129 |
| | 75% | 93 |
| | 50% | 63 |
| Total lubrication system capacity (lt) | 48 | |
| Total coolant capacity (lt) | 68 | |



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 | HCI544F | |
| Frequency (hz) | 50 | |
| Power (KVA) | 738 | |
| 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) | 1685 | |



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 1600x3700x2735 *



Weight (Kg) 4434



Fuel tank capacity (lt) 1041

- 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 1600x3500x2185



Weight (Kg) 3810



Fuel tank capacity (lt) 1041

Silencer options

- Standard industrial type
- Critical type
- Hospital type

Canopy options

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

Gen-Set safety protection & alarms

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

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

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

- 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