



## MG-PRS-0072/M

PERKINS Series Diesel Generator Sets

|          |         |      |   |
|----------|---------|------|---|
| Stand by | COS PHI | 0,8  | 1 |
|          | kVA     | 72   |   |
|          | kW      | 57,6 |   |

|       |         |     |   |
|-------|---------|-----|---|
| PRIME | COS PHI | 0,8 | 1 |
|       | kVA     | 65  |   |
|       | kW      | 52  |   |



PERKINS



STAMFORD



Smart 500 mk



Water Cooled



50 hz



1 phase



Easy maintenance



Modular type sound-proof canopy



Diesel



Remote control system



Warning system for decreasing fuel



## Engine Specifications

- PERKINS series heavy duty diesel engine
- 4 Cycle, Water Cooling system, TURBOCHARGED - INTERCOOLER Induction
- Mechanic 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               | 1104A-44TG1 |      |  |
| Power               | Stand by kW | 64,3 |  |
|                     | Prime kW    | 58,4 |  |
| Speed (rpm)         | 1500        |      |  |
| Cycle               | 4           |      |  |
| Displacement (lt)   | 4,4         |      |  |
| Number of cylinders | 4, in line  |      |  |
| Bore & Stroke       | 105 x 127   |      |  |
| Compression ratio   | 17,25 : 1   |      |  |

|                                        |                            |      |  |
|----------------------------------------|----------------------------|------|--|
| Governor type                          | Mechanic                   |      |  |
| Induction                              | TURBOCHARGED - INTERCOOLER |      |  |
| Combustion System                      | Direct                     |      |  |
| Cooling system                         | Water                      |      |  |
| Fuel consumption (lt/h)                | 100%                       | 14,8 |  |
|                                        | 75%                        | 11,2 |  |
|                                        | 50%                        | 8    |  |
| Total lubrication system capacity (lt) | 8                          |      |  |
| Total coolant capacity (lt)            | 13                         |      |  |



## 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

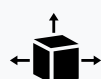
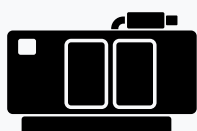
|                         |                   |  |  |
|-------------------------|-------------------|--|--|
| Brand                   | STAMFORD          |  |  |
| Model                   | UCI274D           |  |  |
| Frequency (hz)          | 50                |  |  |
| Power (KVA) (Phi 0,8/1) | 75/60             |  |  |
| Design                  | 4 pole, brushless |  |  |
| Connection type         | Double Delta      |  |  |
| Voltage (V)             | 220               |  |  |

|                          |         |  |  |
|--------------------------|---------|--|--|
| phase                    | 1       |  |  |
| A.V.R.                   | SX460   |  |  |
| Voltage regulation (+/-) | ± 1%    |  |  |
| Insulation system        | Class H |  |  |
| Protection               | IP23    |  |  |
| Rated power factor       |         |  |  |
| Weight (kg)              | 406     |  |  |



## 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

1000x2600x1410



Weight (Kg)

1267



Fuel tank capacity (lt)

139

- 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

1000 x 2200 x 1410



Weight (Kg)

1070



Fuel tank capacity (lt)

139

## 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