



MG-PRS-1500

PERKINS Series Diesel Generator Sets

| | | |
|----------|-----|------|
| Stand by | kVA | 1500 |
| | kW | 1200 |

| | | |
|-------|-----|------|
| PRIME | kVA | 1350 |
| | kW | 1080 |



PERKINS



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

- PERKINS 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 | 4012-46TWG3A | |
| Power | Stand by kW | 1321 |
| | Prime kW | 1207 |
| Speed (rpm) | 1500 | |
| Cycle | 4 | |
| Displacement (lt) | 45,842 | |
| Number of cylinders | 12 - 60° V | |
| Bore & Stroke | 160 x 190 | |
| Compression ratio | 13 : 1 | |

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|--|----------------------------|-----|
| Governor type | Electronic | |
| Induction | TURBOCHARGED - INTERCOOLER | |
| Combustion System | Direct | |
| Cooling system | Water | |
| Fuel consumption (lt/h) | 100% | 283 |
| | 75% | 213 |
| | 50% | 151 |
| Total lubrication system capacity (lt) | 177 | |
| Total coolant capacity (lt) | 201 | |



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 | PI734B | |
| Frequency (hz) | 50 | |
| Power (KVA) | 1500 | |
| Design | 4 pole, brushless | |
| Connection type | Star | |
| Voltage (V) | 400 | |

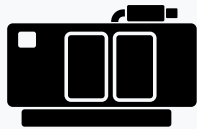
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| phase | 3 | |
| A.V.R. | MX341 | |
| Voltage regulation (+/-) | ± 0,5% | |
| Insulation system | Class H | |
| Protection | IP23 | |
| Rated power factor | 0,8 | |
| Weight (kg) | 2760 | |



Container

- Chassis parts and load-bearing construction are manufactured from 140mm NPU
- The base metal sheet is manufactured from 2/3 diamond-shaped metal sheet
- Sidewall metal sheets are manufactured from 1.5mm ST 37 DKP trapezoidal metal sheet
- The top metal sheet will be manufactured from 1.5mm ST 37 DKP trapezoidal metal sheet
- Air disposing and suction parts are manufactured with the normal shutter in bolt-mounted hot-plug
- Lifting lugs are manufactured to bear the total load of the container (with generator)(8 pcs ISO Locked)
- PPG RAL 9010 paint application is followed for painting
- Internal illumination has 2x1x18 Watt waterproof fixture and 1x1x16 A monophasic plug fitting

- Top wall isolation is 0.8mm galvanised perforated metal sheet coating on 8cm fibro-glass glass wool plate
- The double-winged main door is manufactured with a pipe-type locking mechanism
- Service doors are manufactured with 4 single-winged and internal panic bar mechanisms to be locked outside (These doors are designed mounted inside the container body and doorknobs do not exceed container body)
- Emergency stop button on long edges
- Warning signs are placed to necessary places inside and outside the container



| | | |
|--|---------------------------|------------------|
|  | Dimensions (W x L x H) mm | 2280x6750x3322 * |
|  | Weight (Kg) | 13146 |
|  | Fuel tank capacity (lt) | 2500 |

| | | |
|---|---------------------------|----------------|
|  | Dimensions (W x L x H) mm | 2200x4950x2720 |
|  | Weight (Kg) | 11058 |
|  | Fuel tank capacity (lt) | 2500 |

Silencer options

- Standard industrial type
- Critical type
- Hospital type

Container Options

- Standard container
- Acoustic container

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