



MG-PRS-2250

PERKINS Series Diesel Generator Sets

| | | |
|----------|-----|------|
| Stand by | kVA | 2250 |
| | kW | 1800 |

| | | |
|-------|-----|------|
| PRIME | kVA | 2050 |
| | kW | 1640 |



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

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|---------------------|-------------|------|--|----------------------------|
| Model | 4016TAG2A | | Governor type | Electronic |
| Power | Stand by kW | 1886 | Induction | TURBOCHARGED - INTERCOOLER |
| | Prime kW | 1715 | | |
| Speed (rpm) | 1500 | | Combustion System | Direct |
| Cycle | 4 | | Cooling system | Water |
| Displacement (lt) | 61,123 | | Fuel consumption (lt/h) | 100% |
| Number of cylinders | 16 - 60° V | | | 75% |
| Bore & Stroke | 160 x 190 | | | 50% |
| Compression ratio | 13,6 : 1 | | Total lubrication system capacity (lt) | 237,2 |
| | | | Total coolant capacity (lt) | 316 |



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

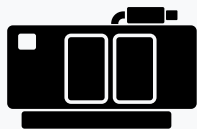
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|-----------------|-------------------|--------------------------|---------|
| Brand | STAMFORD | phase | 3 |
| Model | PI734F | A.V.R. | MX341 |
| Frequency (hz) | 50 | Voltage regulation (+/-) | ± 1% |
| Power (KVA) | 2250 | Insulation system | Class H |
| Design | 4 pole, brushless | Protection | IP23 |
| Connection type | Star | Rated power factor | 0,8 |
| Voltage (V) | 400 | Weight (kg) | 3840 |



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 | 2438x9000x4350 * |
|  | Weight (Kg) | 22211 |
|  | Fuel tank capacity (lt) | 4000 |

| | | |
|---|---------------------------|----------------|
|  | Dimensions (W x L x H) mm | 2400x6350x3020 |
|  | Weight (Kg) | 12491 |
|  | Fuel tank capacity (lt) | 4000 |

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