

### GENERATOR SET SPECIFICATIONS

- \* High quality and reliability.
- \* Structurally easy start-up and maintenance.
- \* Heavy duty water cooled diesel engine.
- \* Brushless industrial alternator with AVR.
- \* Steel base frame integrated with high cap. fuel tank.
- \* Anti - vibration mounts.
- \* High temperature, low oil pressure, fuel level alarms and shutdowns.
- \* Engine filled with lubrication oil and coolant mix.
- \* Engine coolant heater.
- \* Fuel level indicator on LCD display of controller.
- \* Complete protection of rotating and hot parts.
- \* Industrial type silencer.
- \* Fuel tank and engine oil heater ( Option ).

### CONTROL PANEL



- \* Multi - lingual control panel with microprocessor.
- \* Digital LCD - display provides simple, intuitive menu navigation and control of generator set operation.
- \* Key information is displayed via the LCD screen.
- \* Simple push-button control;  
OFF - MANUAL - AUTO - TEST - START
- \* Manual programming on control panel.
- \* Circuit Breaker.
- \* Emergency stop button, light and sound alarm siren.
- \* Battery charger.
- \* Remote control with GSM modem ( option ).

### SOUNDPROOF CANOPY



- \* Sound attenuated.
- \* Robust and highly corrosion resistant construction.
- \* Excellent access for maintenance through 2-6 doors.
- \* Fully weatherproof.
- \* Base mounted lifting eyes and canopy lifting points.
- \* Non-flammable acoustic foam.
- \* Totally enclosed exhaust silencing system.
- \* Vibration absorber pads.

Manufacturer reserves the right to make changes in generator set specifications without prior notice.

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### OUTPUT RATINGS

|                               |             |                |
|-------------------------------|-------------|----------------|
| Standby Power (ESP)           | kVA / kW    | 1375 / 1100    |
| Prime Power (PRP)             | kVA / kW    | 1250 / 1000    |
| Current (ESP)                 | A           | 1984           |
| Voltage - Frequency           | V - Hz      | 400 / 230 - 50 |
| Phase Quantity - Power Factor | Unit - Cosφ | 3 - 0,8        |

### ENGINE

|                                 |           |                   |
|---------------------------------|-----------|-------------------|
| Engine Make & Model             | CUMMINS   | KTA50G3           |
| Engine Mechanical Prime Power   | kW / (HP) | 1097 / 1470       |
| Air Intake System               |           | Turbocharger & AC |
| Cylinder Volume                 | L         | 50,3              |
| Cylinder Quantity / Type        |           | 16 / V            |
| Bore & Stroke                   | MM x MM   | 159 x 159         |
| Compression Ratio               |           | 13,9 : 1          |
| Governing Type                  |           | Electronic        |
| Engine Speed                    | RPM       | 1500              |
| Cooling Method                  |           | Water             |
| Cooling System Capacity         | L         | 415               |
| Oil Lubrication System Capacity | L         | 177               |
| Electrical System               | V DC      | 24                |
| Fuel Consumption                |           |                   |
| 100 % Prime load                | L / H     | 256               |
| 75 % Prime load                 | L / H     | 189,5             |
| 50 % Prime load                 | L / H     | 128,3             |
| Fuel tank Capacity              | L         | 2000              |

### ALTERNATOR

|                               |                  |                |
|-------------------------------|------------------|----------------|
| Alternator Make & Model       | STAMFORD         |                |
| Alternator Type               | Electronic (AVR) | Brushless      |
| Standby Power (ESP)           | kVA              | 1375           |
| Voltage - Frequency           | V - Hz           | 400 / 230 - 50 |
| Voltage Regulation            |                  | +/- 1.0        |
| Insulation / Protection Class |                  | H / IP 21      |
| Pole Quantity                 |                  | 4              |

### DIMENSIONS AND WEIGHTS



|               |                         |                      |
|---------------|-------------------------|----------------------|
| Open Type     | LxWxH - M / Weight - KG | 5x2,2x2,4 / 9850     |
| Canopied Type | LxWxH - M / Weight - KG | 9,2x2,43x2,9 / 13750 |

**Standby Power (ESP):** Emergency power under varying electrical load. Overload is not permitted.

**Prime Power (PRP):** Nominal power under varying electrical load for unlimited hours. 10 % overload is available for a period of 1 hour within 12 hours.

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