

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 | 94 / 75 |
| Prime Power (PRP) | kVA / kW | 85 / 68 |
| Current (ESP) | A | 136 |
| Voltage - Frequency | V - Hz | 400 / 230 - 50 |
| Phase Quantity - Power Factor | Unit - Cosφ | 3 - 0,8 |

ENGINE

| | | |
|---------------------------------|-----------|-------------------|
| Engine Make & Model | VOLVO | TAD530GE |
| Engine Mechanical Prime Power | kW / (HP) | 83 / 113 |
| Air Intake System | | Turbocharger & AC |
| Cylinder Volume | L | 4,76 |
| Cylinder Quantity / Type | | 4 / Line |
| Bore & Stroke | MM x MM | 108 x 130 |
| Compression Ratio | | 18 : 1 |
| Governing Type | | Electronic |
| Engine Speed | RPM | 1500 |
| Cooling Method | | Water |
| Cooling System Capacity | L | 20 |
| Oil Lubrication System Capacity | L | 13 |
| Electrical System | V DC | 12 |
| Fuel Consumption | | |
| 100 % Prime load | L / H | 17,3 |
| 75 % Prime load | L / H | 13,0 |
| 50 % Prime load | L / H | 9,0 |
| Fuel tank Capacity | L | 390 |

ALTERNATOR

| | | |
|-------------------------------|------------------|----------------|
| Alternator Make & Model | STAMFORD | |
| Alternator Type | Electronic (AVR) | Brushless |
| Standby Power (ESP) | kVA | 94 |
| 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 | 2,5x1x1,6 / 1250 |
| Canopied Type | LxWxH - M / Weight - KG | 3,25x1x1,75 / 1600 |

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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