

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	22 / 18
Prime Power (PRP)	kVA / kW	20 / 16
Current (ESP)	A	32
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	PERKINS	404A-22G1
Engine Mechanical Prime Power	kW / (HP)	20,3 / 27,2
Air Intake System		Natural
Cylinder Volume	L	2,216
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	84 x 100
Compression Ratio		23,3 : 1
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Cooling System Capacity	L	7
Oil Lubrication System Capacity	L	10,6
Electrical System	V DC	12
Fuel Consumption		
100 % Prime load	L / H	5,9
75 % Prime load	L / H	4,4
50 % Prime load	L / H	3
Fuel tank Capacity	L	90

ALTERNATOR

Alternator Make & Model	STAMFORD	
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	22
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	1,5x0,75x1 / 475
Canopied Type	LxWxH - M / Weight - KG	1,75x1x1,2 / 625

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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