

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	490 / 392
Prime Power (PRP)	kVA / kW	445 / 356
Current (ESP)	A	703
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	DOOSAN	P158LE
Engine Mechanical Prime Power	kW / (HP)	414 / 563
Air Intake System		Turbocharger & AC
Cylinder Volume	L	14,6
Cylinder Quantity / Type		8 / V
Bore & Stroke	MM x MM	128 x 142
Compression Ratio		15:1
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Cooling System Capacity	L	89
Oil Lubrication System Capacity	L	21
Electrical System	V DC	24
Fuel Consumption		
100 % Prime load	L / H	89
75 % Prime load	L / H	67
50 % Prime load	L / H	45
Fuel tank Capacity	L	1100

ALTERNATOR

Alternator Make & Model	ITALIAN ALT.	
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	490
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	3,25 x 1,6 x 2 / 3150
Canopied Type	LxWxH - M / Weight - KG	4,5 x 1,6 x 2,5 / 4150

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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