

### 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	600 / 480
Prime Power (PRP)	kVA / kW	545 / 436
Current (ESP)	A	866
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

### ENGINE

Engine Make & Model	DOOSAN	DP158LD
Engine Mechanical Prime Power	kW / (HP)	510 / 693
Air Intake System		Turbocharger & AC
Cylinder Volume	L	14,62
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	90
Oil Lubrication System Capacity	L	22
Electrical System	V DC	24
Fuel Consumption		
100 % Prime load	L / H	111
75 % Prime load	L / H	83
50 % Prime load	L / H	56
Fuel tank Capacity	L	1100

### ALTERNATOR

Alternator Make & Model	ITALIAN ALT.	
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	600
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 / 3400
Canopied Type	LxWxH - M / Weight - KG	4,5 x 1,6 x 2,5 / 4400

**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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