

### 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 3-6 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.

### OUTPUT RATINGS

Standby Power (ESP)	kVA / kW	85 / 68
Prime Power (PRP)	kVA / kW	77 / 62
Current (ESP)	A	122
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

### ENGINE

Engine Make & Model	RICARDO	R4105ZLD
Engine Mechanical Power	kW / (HP)	66 / 90
Air Intake System		Turbocharger
Cylinder Volume	L	4,33
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	105 x 125
Compression Ratio		16 : 1
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Cooling System Capacity	L	16
Oil Lubrication System Capacity	L	16
Electrical System	V DC	24
Fuel Consumption		
100 % Prime load	L / H	15,4
75 % Prime load	L / H	11,5
50 % Prime load	L / H	7,7
Fuel tank Capacity	L	350

### ALTERNATOR

Alternator Make & Model	ETT	
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	85
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 x 1 x 1,4 / 1050
Canopied Type	LxWxH - M / Weight - KG	2,5 x 1 x 1,7 / 1325

**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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