



**IDJ1500LT**

**IDEA DIESEL GENERATING SET  
TECHNICAL SPECIFICATIONS**



ELECTRICAL			
FREQUENCY	VOLTAGE	PRIME	STAND-BY
50 Hz	230 V	11,2 kVA / 10 kW	12 kVA / 10,8 kW
Rated Speed	3000 RPM - 50 Hz		
Phase	1		
Power Factor	0.9		

**Prime** : This rating is for the supply of continuous electrical power at variable load. There is no limitation on the annual hours in operation and 10% overload power can be supplied for 1 hour in 12.

**Stand-by** : This rating is for the supply of continuous electrical power at variable load , in the event of utility power failure.No overload is permitted.

WEIGHT AND DIMENSIONS		
		CANOPY
Length	mm	1090
Width	mm	670
Height	mm	910
Weight	kg	260
		50 Hz
Sound Pressure LpA @ 7m	dB (A)	74

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ENGINE		
		50 Hz
Output Rating @ 3000 rpm	HP	17.6
Manufacturer and Model		R2V870
Fuel		Diesel
Injection		Direct
Aspiration		Naturally Aspirated
Cylinders		2
Bore and Stroke	mm	88 x 72
Displacement	lt	0.87
Cooling		Air Cooled
Engine Oil Specification		SAE 10W30 or SAE 15W40
Compression Ratio		20 : 1
Engine Oil Capacity	lt	2.3
Governor		Mechanic
Air Filter		Dry element
Fuel Consumption		50 Hz
100 % Load	lt / h	4.2
Starting Type		Electric
Startig Motor Capacity		1,4 kW
Charge Alternator Capacity		12V / 8,3 A

FUEL SYSTEM		
Diesel Specification		EN590
Fuel Tank Capacity	lt	63

ALTERNATOR		
Poles		2 pole
Winding Connections		Dedicated Single Phase
Insulation		Class F
Exciter System		Brush - Self Excited
Voltage Regulator		AVR
Steady State Voltage Regulation		$\pm 1\%$
Bearing		Single bearing sealed
Coupling		Flexible disc
Cooling		Direct drive centrifugal blower fan

IDEA Generating Sets are CE certified and conform to the following standards ;

- Power according to ISO 3046 and ISO 8528
- EN 12100 , EN 13857 , EN 60204
- 2006/42/CE Machinery Safety
- 2006/95/EC Low Voltage
- 2004/108/CE EMC
- Ambient reference conditions 1000 mbar, 25 °C, 30 % relative humidity ISO8528

All the information in this leaflet is intended for general purposes only.IDEA reserves the right to change the

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