



IDJ8000LT

**IDEA DIESEL GENERATING SET
TECHNICAL SPECIFICATIONS**



ELECTRICAL			
FREQUENCY	VOLTAGE	PRIME	STAND-BY
50 Hz	230 V	5,5 kVA / 4,4 kW	6 kVA / 4,8 kW
Rated Speed	3000 RPM - 50 Hz		
Phase	1		
Power Factor	1		

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	912
Width	mm	532
Height	mm	740
Weight	kg	171
		50 Hz
Sound Pressure LpA @ 7m	dB (A)	72

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ENGINE		
		50 Hz
Output Rating @ 3000 rpm	HP	10
Manufacturer and Model		WS188FB
Fuel		Diesel
Injection		Direct
Aspiration		Naturally Aspirated
Cylinders		1
Bore and Stroke	mm	88 x 75
Displacement	lt	0.456
Cooling		Air Cooled
Engine Oil Specification		SAE 10W30 or SAE 15W40
Compression Ratio		20 : 1
Engine Oil Capacity	lt	1.65
Governor		Mechanic
Air Filter		Dry element
Fuel Consumption		50 Hz
100 % Load	lt / h	2.4
Starting Type		Electric
Startig Motor Capacity		12V / 0,8 kW
Charge Alternator Capacity		12V / 8,3 A

FUEL SYSTEM		
Diesel Specification		EN590
Fuel Tank Capacity	lt	16

ALTERNATOR		
Poles		2 pole
Winding Connections		Dedicated Single Phase
Insulation		Class F
Exciter System		Brush - Self Excited
Voltage Regulator		AVR
Steady State Voltage Regulation		± 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

IDEA MAKİNA İMALAT SAN. ve TİC. LTD.ŞTİ

Istanbul Deri O.S.B Sama Cad.(12.Yol) No:7

34957 Tuzla – Istanbul / Türkiye

Tel : + 90 216 313 42 77 , + 90 216 313 42 78 Fax : + 90 216 313 42 79

E-mail : info@ideamakina.com.tr