



TEKSAN DIESEL GENERATING SET

(230/400 V 50 Hz - 1500 rpm)

GEN-SET MODEL

TJ90CM

GEN-SET POWER RATING

*Stand-by Power	kVA	89
**Prime Power	kVA	80
* Stand-by power 100% is applicable for supplying emergency power for the duration of the utility power outage, no overload permissible. A stand-by rated Genset should be sized for a maximum of an 80 % average load factor and 200 hrs of operation per year		
** Prime power is available for an unlimited number of hours per year in a variable load application. Variable load should exceed a 70 % average of the prime power during any operating of 250 hours , total operating time at 100 % prime power shall not exceed 500 hours per year		

DIMENSIONS W x L x H

Open Skid	mm	750x2200x1220
Canopied	mm	1000x3250x1700

FUEL TANK CAPACITY

Open Skid	lt	139
Canopied	lt	168

WEIGHT

Open Skid	kg	811
Canopied	kg	1236

ENGINE

Manufacturer	CUMMINS	
Origin	UK	
Model	4BTA3.9-G3	
Governor Type	Mechanical	
Speed	rpm	1500
Net Stand-by Power	kWm	78
Net Prime Power	kWm	70
Cylinder number and config.	In line-4	
Bore/Stroke	mm	102x120
Displacement	lt	3,92
Compression ratio	16,5	
Aspiration	Turbocharged & aftercooled	
Cooling	Water Cooled	
Electrical system	V	12
Fuel Consumption		
% 100 load	lt/h	18,0
% 75 load	lt/h	14,0
% 50 load	lt/h	9,0
Lub.Oil Capacity	lt	10,9
Coolant Capacity with radiator	lt	19,9

ALTERNATOR

Manufacturer	MARELLI	
Origin	ITALY	
Model	MJB225SA4	
Stand By Power	kVA	94
Power Factor	0,8	
Efficiency	%	91,0
Number of Bearing	Single	
Leads Number	12	
Voltage	V	230/400
Voltage Regulation Accuracy	±1%	
Frequence	Hz	50
Insulation Class	H	
Protection	IP23	
Excitation System	Brushless, AVR	
Connection	Star	

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