



TEKSAN DIESEL GENERATING SET

(230/400 V 50 Hz - 1500 rpm)

GEN-SET MODEL

TJ116CM

GEN-SET POWER RATING

*Stand-by Power	kVA	116
**Prime Power	kVA	105

* 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	750x2400x1270
Canopied	mm	1000x3250x1700

FUEL TANK CAPACITY

Open Skid	lt	139
Canopied	lt	168

WEIGHT

Open Skid	kg	1250
Canopied	kg	1670

ENGINE

Manufacturer	CUMMINS	
Origin	UK	
Model	6BT5.9-G6	
Governor Type	Mechanical	
Speed	rpm	1500
Net Stand-by Power	kWm	104
Net Prime Power	kWm	94
Cylinder number and config.	In line-6	
Bore/Stroke	mm	102x120
Displacement	lt	5,9
Compression ratio		16,5

Aspiration Turbocharged

Cooling Water Cooled

Electrical system V 12

Fuel Consumption

% 100 load	lt/h	24,0
% 75 load	lt/h	18,0
% 50 load	lt/h	13,0

Lub.Oil Capacity lt 16,4

Coolant Capacity with radiator lt 24,1

ALTERNATOR

Manufacturer	MARELLI	
Origin	ITALY	
Model	MJB225MA4	
Stand By Power	kVA	116
Power Factor		0,8
Efficiency	%	91,8
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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