



## TEKSAN DIESEL GENERATING SET

(230/400 V 50 Hz - 1500 rpm)

### GEN-SET MODEL

TJ1450CM

### GEN-SET POWER RATING

*Stand-by Power	kVA	1430
**Prime Power	kVA	1286

\* 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	1780x4890x2425
Canopied	mm	2438x6058x2700

### FUEL TANK CAPACITY

Open Skid	lt	2000
Canopied	lt	2000

### WEIGHT

Open Skid	kg	9870
Canopied	kg	14100

### ENGINE

Manufacturer	CUMMINS	
Origin	UK	
Model	KTA50-G3	
Governor Type	Electronic/A1	
Speed	rpm	1500
Net Stand-by Power	kWm	1204
Net Prime Power	kWm	1074
Cylinder number and config.	V-16	
Bore/Stroke	mm	159x159
Displacement	lt	50,3
Compression ratio	14	
Aspiration	Turbocharged & aftercooled	
Cooling	Water Cooled	
Electrical system	V	24
Fuel Consumption		
% 100 load	lt/h	261
% 75 load	lt/h	199
% 50 load	lt/h	139
Lub.Oil Capacity	lt	177
Coolant Capacity with radiator	lt	407,5

### ALTERNATOR

Manufacturer	MARELLI	
Origin	ITALY	
Model	MJB400LB4	
Stand By Power	kVA	1430
Power Factor	0,8	
Efficiency	%	95,8
Number of Bearing	Single	
Leads Number	6	
Voltage	V	230/400
Voltage Regulation Accuracy	±1%	
Frequency	Hz	50
Insulation Class	H	
Protection	IP23	
Excitation System	Brushless, AVR	
Connection	Star	

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