



## TEKSAN DIESEL GENERATING SET

(230/400 V 50 Hz - 1500 rpm)

GEN-SET MODEL

TJ1650CM

### GEN-SET POWER RATING

*Stand-by Power	kVA	1650
**Prime Power	kVA	1500

\* 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	2000x5332x2400
Canopied	mm	2438x9100x3100

### FUEL TANK CAPACITY

Open Skid	lt	2500
Canopied	lt	2500

### WEIGHT

Open Skid	kg	11250
Canopied	kg	16750

### ENGINE

Manufacturer		CUMMINS
Origin		UK
Model		KTA50-G8
Governor Type		Electronic/A1
Speed	rpm	1500
Net Stand-by Power	kWm	1397
Net Prime Power	kWm	1168
Cylinder number and config.		V-16
Bore/Stroke	mm	159x159
Displacement	lt	50.3
Compression ratio		14.9
Aspiration		Turbocharged & aftercooled
Cooling		Water Cooled
Electrical system	V	24
Fuel Consumption		
% 100 load	lt/h	289
% 75 load	lt/h	222
% 50 load	lt/h	155
Lub.Oil Capacity	lt	204
Coolant Capacity with radiator	lt	400

### ALTERNATOR

Manufacturer		MARELLI
Origin		ITALY
Model		MJB450MB4
Stand By Power	kVA	1650
Power Factor		0.8
Efficiency	%	95.9
Number of Bearing		Single
Leads Number		6
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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