



## TEKSAN DIESEL GENERATING SET

(230/400 V 50 Hz - 1500 rpm)

**GEN-SET MODEL**

**TJ500PE**

### GEN-SET POWER RATING

*Stand-by Power	kVA	500
**Prime Power	kVA	450

\*Stand-by Power is limited to 500 hours annual usage with an average load factor of 80% of the published standby power rating over each 24 hour period. Up to 300 hours of the annual usage may be run continuously. No overload is permitted on standby power

\*\*Prime power is an unlimited hours usage with an average load factor 80% of the published prime power rating over each 24 hour period. A 10% overload is available for one hour in every twelve hour operation

### DIMENSIONS W x L x H

Open Skid	mm	1300x3700x2030
Canopied	mm	1650x5000x2250

### FUEL TANK CAPACITY

Open Skid	lt	885
Canopied	lt	984

### WEIGHT

Open Skid	kg	3640
Canopied	kg	4592

### ENGINE

Manufacturer		PERKINS
Origin		UK
Model		2806C-E16TAG1
Governor Type		Electronic
Speed	rpm	1500
Net Stand-by Power	kWm	433
Net Prime Power	kWm	390
Cylinder number and config.		In line - 6
Bore/Stroke	mm	140/171
Displacement	lt	15,8
Compression ratio		15,8
Aspiration		Turbocharged & aftercooled
Cooling		Water Cooled
Electrical system	V	24
Fuel Consumption		
% 100 load	lt/h	95,0
% 75 load	lt/h	71,6
% 50 load	lt/h	49,4
Lub.Oil Capacity	lt	68,0
Coolant Capacity with radiator	lt	50,0

### ALTERNATOR

Manufacturer		MARELLI
Origin		ITALY
Model		MJB315MB4
Stand By Power	kVA	500
Power Factor		0,8
Efficiency	%	94,0
Number of Bearing		Single
Leads Number		12
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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