

PT450 KVA

Genset Power Output

Name	Voltage	Speed	P.F.	Prime Rating*	Standby rating
PT450	220-380 V	1500-50Hz	0.8	455 kva	500 kva
PT500	120-208 V	1800-60Hz	0.8	500 kva	563 kva

* The prime power rating of the generating set is for unlimited hours usage with variable load usually between 70& 80 % of prime rate. Noting that a 10% overload is available for 1 hour every 12 hours operation

Engine Technical Data

Model	Perkins 2506A-E15TAG1
Cylinders	6 Vertical In Line
Aspiration	Turbocharged/After cooled
Combustion	Direct injection
Cooling system	Water Cooled
Displacement	15.2 L
Lube oil Capacity	62 L
Coolant Capacity	58.0 L
Governor	electronic
No. of Cycles	4
Speed	1500 rpm
Radiator Cooling Air Flow @ 50Hz	12.0 m ³ /sec



Alternator Technical Data

Regulation	± 0.5%
International protection	IP23
Insulation class	H
Terminals	12
Frequency	50Hz
Cooling Air Flow @ 50 Hz	0.9 m ³ /sec

Fuel Consumption (L/Hr)

	50Hz	60Hz
at 110% Load	104.00	116.00
at 100% Load	95.00	102.00
at 75% Load	72.00	78.00
at 50% Load	50.00	53.00

Genset Shipping Data

	Open	Enclosed
Length in cm	350	523
Width in cm	125	152
Height in cm	215	243
Weight in kg	3500	5850

The above performance data are valid as per the following specs:

- Diesel fuel is according to BS2869 class A2 or equivalent
- Lubricating oil is according to API CH4 (SAE 15W/40)
- The coolant should be 50% antifreez and 50% fresh water

NB: Information above may be changed without prior notice

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