

PT100 KVA

Genset Power Output

Name	Voltage	Speed	P.F.	Prime Rating*	Standby rating
PT100	220-380 V	1500-50Hz	0.8	100 kva	110 kva
PT110	120-208 V	1800-60Hz	0.8	110 kva	125 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 1104C-44TAG2
Cylinders	4 Vertical In Line
Aspiration	Turbocharged/Aftercooled
Combustion	Direct injection
Cooling system	Water Cooled
Displacement	4.4 L
Lube oil Capacity	8.0 L
Coolant Capacity	12.6 L
Governor	electronic
No. of Cycles	4
Speed	1500 rpm
Radiator Cooling Air Flow @ 50Hz	2.76 m ³ /sec



Alternator Technical Data

Regulation	± 0.5%
International protection	IP23
Insulation class	H
Terminals	12
Frequency	50Hz
Cooling Air Flow @ 50 Hz	0.25 m ³ /sec

Fuel Consumption (L/Hr)

	50Hz	60Hz
at 110% Load	24.90	29.70
at 100% Load	22.60	26.90
at 75% Load	17.10	20.20
at 50% Load	11.80	14.10

Genset Shipping Data

	Open	Enclosed
Length in cm	210	273
Width in cm	76	108
Height in cm	140	132
Weight in kg	1100	1390

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% antifreeze and 50% fresh water

NB: Information above may be changed without prior notice

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