

## VT500 KVA

### Genset Power Output

Name	Voltage	Speed	P.F.	Prime Rating*	Standby rating
VT500	220-380 V	1500-50Hz	0.8	500 kva	550 kva
VT570	120-208 V	1800-60Hz	0.8	570 kva	640 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	Volvo Penta TAD1641GE
Cylinders	6 Vertical In Line
Aspiration	Turbocharged
Alternator V / Amp	24V / 80A
Cooling system	Water Cooled
Displacement	16.12 L
Lube oil Capacity	48.0 L
Coolant Capacity	87.0 L
Governor	Electronic
No. of Cycles	4
Speed	1500 rpm
Radiator Cooling Air Flow @ 50Hz	8.9 m <sup>3</sup> /sec

# VOLVO PENTA



### Alternator Technical Data

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

### Fuel Consumption (L/Hr)

	50Hz	60Hz
at 110% Load	120.00	141.00
at 100% Load	102.00	119.00
at 75% Load	75.00	87.50
at 50% Load	51.00	59.00

### Genset Shipping Data

	Open	Enclosed
Length in cm	365	523
Width in cm	113	152
Height in cm	195	243
Weight in kg	3850	6200

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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