

JT100 KVA

Genset Power Output

Name	Voltage	Speed	P.F.	Prime Rating*	Standby rating
JT100	220-380 V	1500-50Hz	0.8	100 kva	110 kva
JT125	120-208 V	1800-60Hz	0.8	125 kva	137 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

John Deere

Model	4045HF120/4045HF158R
Cylinders	4 Vertical In Line
Aspiration	Turbocharged
Combustion	Direct injection
Cooling system	Water Cooled
Displacement	4.5 L
Lube oil Capacity	12.0 L
Coolant Capacity	8.5 L
Governor	Mechanical
No. of Cycles	4
Speed	1500 rpm
Radiator Cooling Air Flow @ 50Hz	2.5 m ³ /sec



Alternator Technical Data

Regulation	± 1 %
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 100% Load	21.30	27.50
at 75% Load	16.40	21.00
at 50% Load	10.90	13.50
at 25% Load	5.00	7.50

Genset Shipping Data

	Open	Enclosed
Length in cm	210	273
Width in cm	76	108
Height in cm	140	132
Weight in kg	830	1450

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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