

CT1275 KVA

Genset Power Output

| Name | Voltage | Speed | P.F. | Prime Rating* | Standby rating |
|--------|-----------|-----------|------|---------------|----------------|
| CT1275 | 220-380 V | 1500-50Hz | 0.8 | 1275 kva | 1400 kva |
| CT1420 | 120-208 V | 1800-60Hz | 0.8 | 1418 kva | 1610 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 | Cummins KTA50G3 |
| Cylinders | 16 Vee type |
| Aspiration | Turbocharged, Aftercooled |
| Combustion | Direct injection |
| Cooling system | Water Cooled |
| Displacement | 50.3 L |
| Lube oil Capacity | 177 L |
| Coolant Capacity | 152 L |
| Governor | Electronic |
| No. of Cycles | 4 |
| Speed | 1500 rpm |
| Radiator Cooling Air Flow @ 50Hz | 30.3 m ³ /sec |



Alternator Technical Data

| | |
|--------------------------|--------------------------|
| Regulation | ± 0.5% |
| International protection | IP23 |
| Insulation class | H |
| Terminals | 12 |
| Frequency | 50Hz |
| Cooling Air Flow @ 50 Hz | 2.69 m ³ /sec |

Fuel Consumption (L/Hr)

| | 50Hz | 60Hz |
|--------------|--------|--------|
| at 100% Load | 261.00 | 291.00 |
| at 75% Load | 199.00 | 222.00 |
| at 50% Load | 139.00 | 157.00 |
| at 25% Load | 76.00 | 89.00 |

Genset Shipping Data

| | Open | Enclosed |
|--------------|------|----------|
| Length in cm | 530 | 900 |
| Width in cm | 200 | 270 |
| Height in cm | 2350 | 365 |
| Weight in kg | 9250 | 18700 |

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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