



<b>Genset Model</b>	<b>ARP 200</b>
<b>Prime Output (KVA/KW)</b>	<b>200/160</b>
The above ratings represent the generating set capability guaranteed within $\pm 3\%$ at the references conditions equivalent to those specified in ISO 8528/1, ISO 3046/1 and BS 5514/1	
<ul style="list-style-type: none"> <li>The Applicable Voltage range is 380V to 415V for 50Hz applications and 380V to 480V for 60Hz .</li> <li>This Genset is of switchable speed of 1500rpm /1800rpm</li> <li>The prime power rating of the generating set, where a variable load &amp; unlimited hours usage are applied on the genset with an average load factor of 80% of the prime rating over each 24 hours period, Noting that a 10% overload is available for 1hours in every 12 hours operation.</li> <li>The standby power rating of the generating set, where a variable load limited to an annual usage upto 500 hours is applied with 300 hours of which may be continuous running. Noting that no overload is permitted</li> </ul>	

### Technical Data

<b>Engine Model</b>	<b>1106A 70TAG4</b>	<b>Compression Ratio</b>	<b>16:1</b>
<b>Prime Output (KW)</b>	<b>160</b>	<b>Displacement</b>	<b>7 ltrs.</b>
<b>BHP (Net)</b>	<b>240</b>	<b>Fuel</b>	<b>HSD</b>
<b>Cooling</b>	<b>Water Cooled</b>	<b>Governor</b>	<b>Electronic</b>
<b>Aspiration</b>	<b>Turbocharged, aftercooled</b>	<b>Starting System</b>	<b>24Volts Electrical</b>
<b>No. Of Cylinder</b>	<b>6</b>	<b>Lub Oil System Capacity (Ltrs.)</b>	<b>16.5</b>
<b>RPM</b>	<b>1500</b>	<b>Over load capacity</b>	<b>10% for one hr with 12 hrs of operation</b>
<b>Bore (mm)</b>	<b>105</b>	<b>Coolant Capacity (Ltrs.)</b>	<b>21</b>
<b>Stroke (mm)</b>	<b>135</b>	<b>Exhaust Pipe Size (mm)</b>	<b>-</b>

### Alternator

<b>Alternator Frame</b>	<b>HC4C</b>	<b>Class of insulation</b>	<b>Class H</b>
<b>Voltage</b>	<b>415 volts</b>	<b>Recommended cable size (Al Armoured)</b>	<b>-</b>
<b>RPM/Frequency</b>	<b>1500/50 Hz</b>	<b>Control Panel Enclosure</b>	<b>IP 55</b>
<b>No. Phases</b>	<b>Three</b>	<b>Breaker Rating (Amps) (MCCB)</b>	<b>-</b>
<b>Power factor</b>	<b>0.8 (lag)</b>	<b>Rating (AH)</b>	<b>24 V</b>
<b>Enclosure</b>	<b>IP 23</b>	<b>Fuel Tank capacity (Ltrs.)</b>	<b>360</b>
<b>Voltage regulation (Max)</b>	<b>+ 1.5%</b>	<b>Fuel Consumption</b>	<b>45 Liters /Hour</b>

The above performance data are valid as per the following spec

- Diesel Fuel is according to BS2869 Class A2 or Equivalent
- Lubricating Oil is according to API CG4 (15W/40)

The coolant should be 50% antifreeze and 50% fresh water

### Genset Dimensions and Weight

<b>Genset type</b>	<b>Length (mm)</b>	<b>Width (mm)</b>	<b>Height (mm)</b>	<b>Weight (Kg)</b>
<b>Open Type</b>	<b>2350</b>	<b>990</b>	<b>1750</b>	<b>1800</b>

Note The above Canopy Dimension is of 85dBA @1mt

\*Dimensions may change without prior notice