Advantages

Many people will know of the 30W-100 woofer. This famous design set new standards for transient response and power handling.

Introducing the 30W-100XL - based on the 30W-100 but with a more powerful magnet system giving a lower Qt. 30W-100XL may be used ideally in larger vented cabinets.

The transient response, sensitivity, power handling and general flexibility are all excellent. 30W-100XL is perhaps the ultimate larger driver for Hi-Fi systems.

Three-way designs are recommended and first order crossover filters may be used with excellent results.

The special features include:
- A 100 mm voice coil
- PP cone in a one-piece construction
- Hexacool technique voice coil
- Centre-magnet design
- Optimum impulse response
- Vented magnet system
- Wide dynamic range
- Very high power handling
- Good sensitivity
- Rigid alloy basket with aerodynamic ribs.

Parameters 30W-100 XL

Measured in free air and with impedance correction:
- 5R6 / 33 uF for the 4 Ohm version
- 6R8 / 33 uF for the 8 Ohm version

<table>
<thead>
<tr>
<th></th>
<th>4 Ohms</th>
<th>8 Ohms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q_m</td>
<td>2.3</td>
<td>2.4</td>
</tr>
<tr>
<td>Q_e</td>
<td>0.5</td>
<td>0.5</td>
</tr>
<tr>
<td>Q_t</td>
<td>0.4</td>
<td>0.4</td>
</tr>
<tr>
<td>Resonance frequency</td>
<td>22 Hz</td>
<td>22 Hz</td>
</tr>
<tr>
<td>Maximum impedance</td>
<td>21 Ohms</td>
<td>30 Ohms</td>
</tr>
<tr>
<td>Moving mass</td>
<td>48 g</td>
<td>48 g</td>
</tr>
<tr>
<td>Force factor</td>
<td>7.1 Tm</td>
<td>8.2 Tm</td>
</tr>
<tr>
<td>Equiv. volume</td>
<td>248 l</td>
<td>248 l</td>
</tr>
<tr>
<td>Effective cone area</td>
<td>400 cm²</td>
<td>400 cm²</td>
</tr>
<tr>
<td>Lin. excursion (p-p)</td>
<td>9 mm</td>
<td>9 mm</td>
</tr>
<tr>
<td>Max. excursion (p-p)</td>
<td>28 mm</td>
<td>28 mm</td>
</tr>
</tbody>
</table>

VOICE COIL:
- Diameter: d 100 mm 100 mm
- Length: h 17 mm 17 mm
- Layers: n 2 2
- Inductance (10kHz): Le 0.45 mH 0.65 mH
- Nom. impedance: Zvc 4 Ohms 8 Ohms
- DC resistance: Rs 3.75 Ohms 5.35 Ohms
- Sensitivity: 2.83V see curve

POWER HANDLING:
- Nominal (long term): IPC 130 W 130 W
- Transient: 10ms 1000 W 1000 W
- Net weight: 2.3 kg 2.3 kg
- Overall dimensions: ø300x105 mm ø300x105 mm