## HIF 17 JS

### 17 cm - 6 1/2” BASS MIDRANGE

<table>
<thead>
<tr>
<th>TECHNICAL SPECIFICATION</th>
<th>SYMBOL</th>
<th>VALUE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal impedance</td>
<td>Z</td>
<td>8</td>
<td>Ω</td>
</tr>
<tr>
<td>Minimum impedance</td>
<td>Z_{min}</td>
<td>8 @ 200 Hz</td>
<td>Ω</td>
</tr>
<tr>
<td>DC resistance</td>
<td>R_{dc}</td>
<td>6.5</td>
<td>Ω</td>
</tr>
<tr>
<td>Voice coil inductance</td>
<td>L_{vc}</td>
<td>700</td>
<td>µH</td>
</tr>
<tr>
<td>Resonant frequency</td>
<td>f_{r}</td>
<td>20 ± 5</td>
<td>Hz</td>
</tr>
<tr>
<td>Suspension compliance</td>
<td>C_{sp}</td>
<td>1.7 \times 10^{-8}</td>
<td>mN^{-1}</td>
</tr>
<tr>
<td>Mechanical Q factor</td>
<td>Q_{m}</td>
<td>2.46</td>
<td></td>
</tr>
<tr>
<td>Electrical Q factor</td>
<td>Q_{e}</td>
<td>0.55</td>
<td></td>
</tr>
<tr>
<td>Total Q factor</td>
<td>Q_{T}</td>
<td>0.45</td>
<td></td>
</tr>
<tr>
<td>Mechanical resistance</td>
<td>R_{m}</td>
<td>1.25</td>
<td>kg s^{-1}</td>
</tr>
<tr>
<td>Moving mass</td>
<td>M_{MD}</td>
<td>17.58 \times 10^{-3}</td>
<td>kg</td>
</tr>
<tr>
<td>Emissive diameter of the diaphragm</td>
<td>D</td>
<td>0.145</td>
<td>m</td>
</tr>
<tr>
<td>Effective piston area</td>
<td>S_{p}</td>
<td>0.0165</td>
<td>m²</td>
</tr>
<tr>
<td>Voice coil diameter</td>
<td>d</td>
<td>25.5</td>
<td>mm</td>
</tr>
<tr>
<td>Voice coil former</td>
<td></td>
<td>Aluminium</td>
<td></td>
</tr>
<tr>
<td>Voice coil length</td>
<td>h</td>
<td>12</td>
<td>mm</td>
</tr>
<tr>
<td>Voice coil layers</td>
<td>n</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Flux density</td>
<td>B</td>
<td>1.02</td>
<td>T</td>
</tr>
<tr>
<td>Flux in the Gap</td>
<td>Ø</td>
<td>0.490</td>
<td>\times 10^{-8}</td>
</tr>
<tr>
<td>Magnetic energy</td>
<td>W</td>
<td>0.399</td>
<td>Ws</td>
</tr>
<tr>
<td>Force factor</td>
<td>BL</td>
<td>6.87</td>
<td>NA^{-1}</td>
</tr>
<tr>
<td>Gap volume</td>
<td>V_{g}</td>
<td>0.590</td>
<td>\times 10^{-8}</td>
</tr>
<tr>
<td>Height of the Gap</td>
<td>H_{g}</td>
<td>6</td>
<td>mm</td>
</tr>
<tr>
<td>Diameter of magnet</td>
<td>Ø A</td>
<td>84</td>
<td>mm</td>
</tr>
<tr>
<td>Height of magnet</td>
<td>H_{m}</td>
<td>15</td>
<td>mm</td>
</tr>
<tr>
<td>Weight of magnet</td>
<td>B_{m}</td>
<td>0.346</td>
<td>kg</td>
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<tr>
<td>Mass of speaker</td>
<td></td>
<td>1</td>
<td>kg</td>
</tr>
</tbody>
</table>

- Characteristic efficiency level:
  - 1 W, pink noise, weighted: T_{1} 85.6 (W) dB SPL
  - Nominal power handling: 30 W
  - Acceleration factor: \Gamma 390 m{s^{-2}} A^{-1}

### Response Curve

- On axis and 30° off axis - Impedance curve

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**Note:** The diagram on the left shows a speaker with dimensions and features, while the table on the right lists various technical specifications. The graph on the bottom left illustrates the response curve.