100 OD8-T
Product Data Sheet

**Type**
Outdoor loudspeaker

**Speakers**
Aluminium inverted dome tweeter 8” (21cm) waterproof woofer with Polyglass treatment

**Sensitivity (2.83V/1m)**
88dB

**Frequency response (+/-3dB)**
60Hz-23kHz

**Low frequency point (-6dB)**
45Hz

**Power in 8 Ω**
120W

**Power in 70 V**
15/30/60W

**Power in 100 V**
30/60/120W

**Recommended amp power**
20-150W

**Filtering frequencies**
2,800Hz

**Dimensions (LxPxH) with brackets**
10.2x11x15.4” (258x280x390mm)

**Net weight with brackets**
12.6lbs (5.8kg)

**8Ω**
<table>
<thead>
<tr>
<th>15W</th>
<th>30W</th>
<th>60W</th>
</tr>
</thead>
<tbody>
<tr>
<td>70V</td>
<td>70V</td>
<td></td>
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</tbody>
</table>

**70V**
<table>
<thead>
<tr>
<th>15W</th>
<th>30W</th>
<th>60W</th>
</tr>
</thead>
<tbody>
<tr>
<td>100V</td>
<td>100V</td>
<td></td>
</tr>
</tbody>
</table>

**100V**
| 30W | 60W | 120W |

**Finishes**
- Black
- Grey
- Custom colors

**Key points**
- Technical design, IP66 certified (water and dust)
- Ready-to-paint grille and cabinet
- 8 ohm/70V/100V mode by switch

**Aluminium fixing bracket with reinforced profile, notched fastening with 180 degree articulation.**

**High density polypropylene damping cabinet, UV treated.**

**Aluminium inverted dome tweeter for excellent sound dispersion.**

**8” (21cm) bass-midrange with waterproof polypropylene cone and Polyglass treatment.**

**Fixed Aluminum grille, with rotating logo for vertical or horizontal installation.**

**Push spring terminal with silicone protection.**

**Power selector 8Ω/100V/70V.**

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Measurements Directivity

Horizontal

Level (dB)

Frequency Response

100 OD8-T Speaker level Calculation Table

<table>
<thead>
<tr>
<th>Power/Distance</th>
<th>1m (dB)</th>
<th>2m (dB)</th>
<th>5m (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1W (2.83V)</td>
<td>88dB</td>
<td>82dB</td>
<td>74dB</td>
</tr>
<tr>
<td>10W (8.94V)</td>
<td>98dB</td>
<td>92dB</td>
<td>84dB</td>
</tr>
<tr>
<td>20W (12.6V)</td>
<td>101dB</td>
<td>95dB</td>
<td>87dB</td>
</tr>
<tr>
<td>30W (15.5V)</td>
<td>103dB</td>
<td>97dB</td>
<td>89dB</td>
</tr>
</tbody>
</table>

Nominal sensitivity 87dB

Summary

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>125Hz</th>
<th>250Hz</th>
<th>500Hz</th>
<th>1kHz</th>
<th>2kHz</th>
<th>4kHz</th>
<th>8kHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPA (2.83V/1m)</td>
<td>88dB</td>
<td>85dB</td>
<td>87dB</td>
<td>87dB</td>
<td>84dB</td>
<td>89dB</td>
<td>87dB</td>
</tr>
<tr>
<td>Opening Angle at -6dB</td>
<td>360°</td>
<td>360°</td>
<td>160°</td>
<td>120°</td>
<td>100°</td>
<td>110°</td>
<td>130°</td>
</tr>
</tbody>
</table>