The 100 OD6 loudspeakers have reaped the rewards of Focal’s expertise and deliver high quality sound playback in outdoor environments. Just like the other models in the 100 Series range, they contain Focal technologies with an Aluminum inverted dome tweeter and a Polyglass treated bass/mid-range speaker driver at the source of their acoustic performance. These loudspeakers have been designed for extreme weather conditions and have received IP66 certification, meaning they are highly resistant to bad weather. They have been manufactured around a high density polypropylene cabinet, with an Aluminum grille, and have a reinforced Aluminum bracket so it can be fixed securely either vertically or horizontally. Available in a ready-to-paint black or white finish, they have also had a UV protection treatment.

### Type
Outdoor loudspeaker

### Speakers
- Aluminum inverted dome tweeter
- 6½" (165mm) waterproof woofer with Polyglass treatment

### Sensitivity (2.83V/1m)
87dB

### Frequency response (+/-3dB)
65Hz-23kHz

### Low frequency point (-6dB)
55Hz

### Nominal impedance
8Ω

### Minimal impedance
6.7Ω

### Recommended amp power
20-120W

### Filtering frequencies
2,800Hz

### Dimensions (L x P x H) with brackets
8.8 x 10.1 x 12.6" (224 x 256 x 319mm)

### Net weight with brackets
9lbs (4.1kg)

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**Key points**
- Technical design, IP66 certified (water and dust)
- Ready-to-paint grille and cabinet
- 8 ohms impedance, possibility to connect 2 loudspeakers to the same amplifier output

**Finishes**
- Black
- White

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Measurements Directivity

Horizontal and Vertical Directivity Graphs

Frequency Response

100 OD6 Speaker level Calculation Table

<table>
<thead>
<tr>
<th>Power/Distance</th>
<th>1m</th>
<th>2m</th>
<th>5m</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 W (2.83V)</td>
<td>87dB</td>
<td>81dB</td>
<td>73dB</td>
</tr>
<tr>
<td>10 W (8.94V)</td>
<td>97dB</td>
<td>91dB</td>
<td>83dB</td>
</tr>
<tr>
<td>20 W (12.6V)</td>
<td>100dB</td>
<td>94dB</td>
<td>86dB</td>
</tr>
<tr>
<td>30 W (15.5V)</td>
<td>102dB</td>
<td>96dB</td>
<td>88dB</td>
</tr>
</tbody>
</table>

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>87dB</td>
<td>85dB</td>
<td>85dB</td>
<td>86dB</td>
<td>86dB</td>
<td>86dB</td>
<td>85dB</td>
</tr>
<tr>
<td>Opening Angle at -6dB</td>
<td>360°</td>
<td>360°</td>
<td>160°</td>
<td>160°</td>
<td>110°</td>
<td>140°</td>
<td>130°</td>
</tr>
</tbody>
</table>

Nominal sensitivity: 87 dB