100 ICW6-T
Product Data Sheet

Type
In-wall/In-ceiling - 2-way coaxial for 100V/70V line installation

Drivers
6\(^{1/2}\text{"} (16.5\text{cm})\) Polyglass Midbass
1\(^{"} (25\text{mm})\) Aluminium inverted dome Tweeter

Sensitivity (2.83V/1m)
89dB

Frequency response (+/-3dB)
62Hz - 23kHz

Low frequency point (-6dB)
50Hz

Power in 70V
4/7.5/15W

Power in 100V
8/15/30W

Recommended amplifier power
25 - 100W

External dimensions (Ø/Depth)
8\(^{1/4}\text{"} x 3^{1/16}\text{"} (208x95\text{mm})

Cut-Out diameter
7\(^{3/4}\text{"} (184\text{mm})

Depth from wall
3\(^{5/8}\text{"} (91\text{mm})

Net weight (with front grille)
3.75lbs (1.7kg)

Packing dimensions (WxDxH)
8\(^{1/4}\text{"} x 8^{23/32}\text{"} x 6^{1/16}\text{"} (210x208x170\text{mm})

Total weight (with packaging)
6.61lbs (3kg)

Key Points
• Product designed and developed in France by Focal
• Compact product with shallow mounting depth
• 100V/70V mode by switch
• Ready-to-paint grille

Technical Specifications

Selectable power table

<table>
<thead>
<tr>
<th>Voltage</th>
<th>4W</th>
<th>7.5W</th>
<th>15W</th>
</tr>
</thead>
<tbody>
<tr>
<td>70V</td>
<td>7.5W</td>
<td>15W</td>
<td>30W</td>
</tr>
<tr>
<td>100V</td>
<td>7.5W</td>
<td>15W</td>
<td>30W</td>
</tr>
</tbody>
</table>

Humidity resistant speaker.

6\(^{1/2}\text{"} (16.5\text{cm})\) Polyglass cone. Natural midrange without colouration and rich bass.

Magnetic grilles (round or square) included with the product.

ODC crossover for controlled directivity and wider sound dispersion. Avoids having a ‘shower’ effect.

System compatible with wall/ceiling from 5/16" to 1\(^{1/8}\"\) (8 to 40mm).

1" (25mm) aluminium inverted dome tweeter. Improved sound dispersion.

Power adjustment of the 100V/70V amplifier.

Four mounting brackets with optimised grips to ensure quick and easy installation. Screw system that prevents screws from falling out when dismantling the product.

Ultra-rigid unibody. No vibrations.

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**Dimensions (mm)**

**Measurements Directivity**

**Frequency Response**

**100 ICW6-T 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>1W (2.83V)</td>
<td>89dB</td>
<td>83dB</td>
<td>75dB</td>
</tr>
<tr>
<td>5W (8.94V)</td>
<td>96dB</td>
<td>90dB</td>
<td>82dB</td>
</tr>
<tr>
<td>10W (12.6V)</td>
<td>99dB</td>
<td>93dB</td>
<td>85dB</td>
</tr>
<tr>
<td>20W (15.5V)</td>
<td>102dB</td>
<td>96dB</td>
<td>88dB</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summary</th>
<th>125Hz</th>
<th>250Hz</th>
<th>500Hz</th>
<th>1kHz</th>
<th>2kHz</th>
<th>4kHz</th>
<th>8 kHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPL (2.83V/1m) (dB)</td>
<td>90</td>
<td>89</td>
<td>89</td>
<td>88</td>
<td>87</td>
<td>89</td>
<td>87</td>
</tr>
<tr>
<td>Opening angle at -6dB</td>
<td>180°</td>
<td>180°</td>
<td>180°</td>
<td>180°</td>
<td>140°</td>
<td>120°</td>
<td>100°</td>
</tr>
</tbody>
</table>