# 100 ICW 6

## Product Data Sheet

360° tweeter rotation and 20° inclination. Humidity resistant Improved sound spatialisation. speaker.  $6^{1/2}$ " (16,5 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.

Ultra-rigid unibody. No vibrations.

Adjustable tweeter level (-3dB, OdB, +3dB). Improved treble adjustment according to the acoustic environment.

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

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







#### **Key Points**

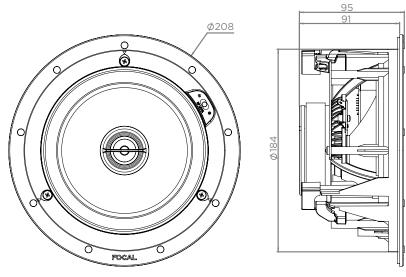
- Product designed and developed in France by Focal
- Compact product with shallow mounting depth
- For in-ceiling or in-wall loudspeakers (1 product, 2 uses)
- Possible to connect two loudspeakers to the same amplifier output
- Ready-to-paint grille

#### **Technical Specifications**

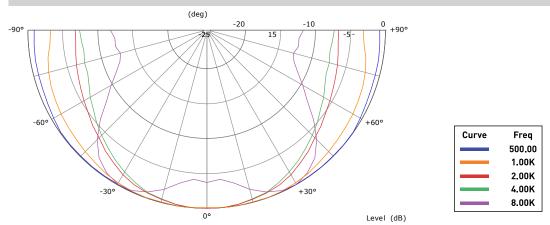
Туре	In-wall/In-celling - 2-way coaxial			
Drivers	61/2" (16,5cm) Polyglass Midbass. 1" (25mm) AI inverted dome Tweeter			
Sensitivity (2.83V/1m)	89dB			
Frequency response (+/-3dB)	62Hz-23kHz			
Low frequency point (-6dB)	50Hz			
Nominal impedance	8Ω			
Minimal impedance	7.3Ω			
Recommended amplifier power	25-100W			
External dimensions (Ø/Depth)	8 <sup>3/16</sup> "×3 <sup>47/64</sup> " (208x95mm)			
Cut-Out diameter	7 <sup>1/4</sup> " (184mm)			
Depth from wall	3 <sup>37/64</sup> " (91mm)			
Net weight (with front grille)	3.3lbs (1.50kg)			
Packing dimensions (WxDxH)	10 <sup>5/8</sup> "x10 <sup>5/8</sup> "x6 <sup>11/16</sup> " (270x270x170mm)			
Total weight (with packaging)	4.96lbs (2.25kg)			



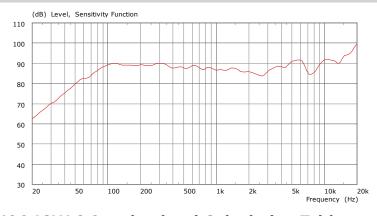
#### **Dimensions**



### **Measurements Directivity**



#### **Frequency Response**



## 100 ICW 6 Speaker level Calculation Table

Power/Distance	1 m	2 m	5 m	
1 W (2,83 V)	89 dB	83 dB	75 dB	
5 W (8,94 V)	96 dB	90 dB	82 dB	
10 W (12,6 V)	99 dB	93 dB	85 dB	
20 W (15,5 V)	102 dB	96 dB	88 dB	

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