# 100 IC 6ST

### Product Data Sheet

6<sup>1/2</sup>" (16,5 cm) Polyglass cone. Natural midrange without colouration and rich bass.

Humidity resistant speaker.

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

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



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

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

Separation of left/right channels. Improved stereo effects.

4 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**

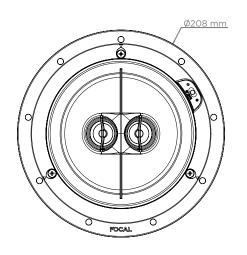
- Product designed and developed in France by Focal
- Compact product with shallow mounting depth
- For in-ceiling or in-wall loudspeakers (1 product, 2 uses)
- Possible to connect two loudspeakers to the same amplifier output
- Ready-to-paint grille

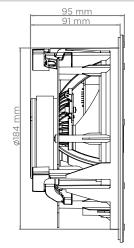
## **Technical Specifications**

Туре	In-celling - Stereo 2-way coaxial
Drivers	6 <sup>1/2</sup> " (16,5cm) Dual voice coil Polyglass Midbass. 2 x 1" (25mm) Al inverted dome Tweeters
Sensitivity (2.83V/1m)	89dB
Frequency response (+/-3dB)	60Hz-23kHz
Low frequency point (-6dB)	48Hz
Nominal impedance	2x8Ω
Minimal impedance	2x6,7Ω
Recommended amplifier power	25-100W
External dimensions (Ø/Depth)	8 <sup>3/16</sup> "x3 <sup>47/64</sup> " (208x95mm)
Cut-Out diameter	7 <sup>1/4</sup> " (184mm)
Depth from wall	337/64" (91mm)
Net weight (with front grille)	3.86lbs (1.75kg)
Packing dimensions (WxDxH)	10 <sup>5/8</sup> "x10 <sup>5/8</sup> "x6 <sup>11/16</sup> " (270x270x170mm)
Total weight (with packaging)	5.29lbs (2.40kg)



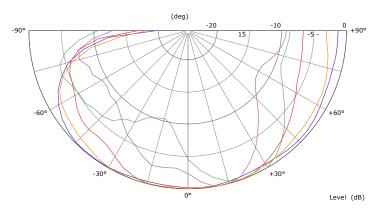
### **Dimensions**



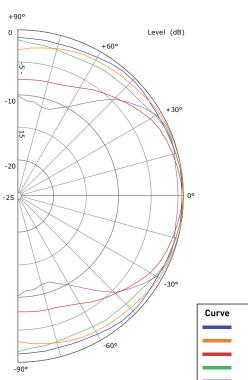


## **Measurements Directivity**







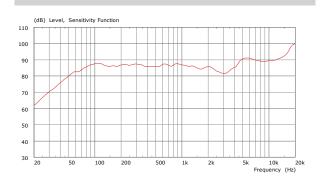


Freq 500.00 1.00K

2.00K

4.00K 8.00K

## **Frequency Response**



## 100 IC 6ST 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)	99 dB	93 dB	85 dB
10 W (12,6 V)	102 dB	96 dB	88 dB
20 W (15,5 V)	104 dB	98 dB	90 dB

Summary	125 Hz	250 Hz	500 Hz	1kHz	2kHz	4kHz	8kHz
SPL (2.83 V/1 m) (dB)	89	89	88	89	88	87	91
Opening Angle at -6dB	180°	180°	180°	180°	110°	180°	100°