100IC6ST

Product Data Sheet

 $6^{1/2}$ " (16,5 cm) Polyglass cone. Natural midrange

Humidity resistant speaker.

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.



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

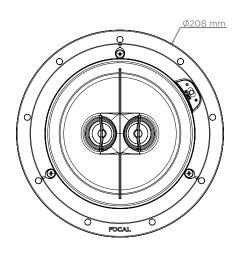
- Product designed and developed in France by Focal
- Compact product with shallow mounting depth
- For in-ceiling or in-wall loudspeakers (1 product, 2 uses)
- Possible to connect two loudspeakers to the same amplifier output
- Ready-to-paint grille

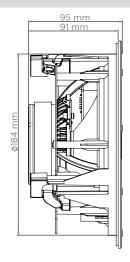
Technical Specifications

Туре	In-celling - Stereo 2-way coaxial				
Drivers	6 ^{1/2} " (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 ^{3/16} "x3 ^{47/64} " (208x95mm)				
Cut-Out diameter	7 ^{1/4} " (184mm)				
Depth from wall	3 ^{37/64} " (91mm)				
Net weight (with front grille)	3.86lbs (1.75kg)				
Packing dimensions (WxDxH)	10 ^{5/8} "x10 ^{5/8} "x6 ^{11/16} " (270x270x170mm)				
Total weight (with packaging)	5.29lbs (2.40kg)				



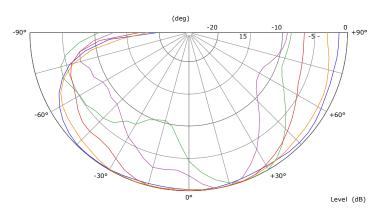
Dimensions



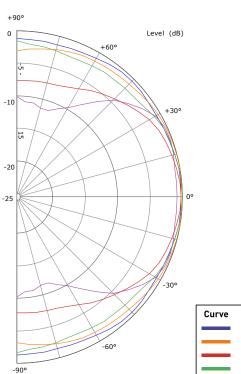


Measurements Directivity







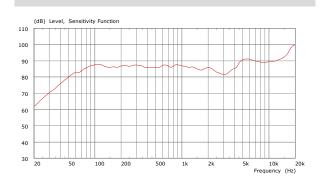


Freq 500.00 1.00K

2.00K

4.00K 8.00K

Frequency Response



100IC6ST 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°