ELECTRA IW1002



Product Data Sheet

With its sealed volume and its advanced technology including the Al/Mg dome tweeter of the Electra 1000 S line, the IW1002 offers high-level sound performance in Hi-Fi as in multichannel systems, such as a 2-way traditional high-end loudspeaker would do. A very high-fidelity sound in an In-Wall version.





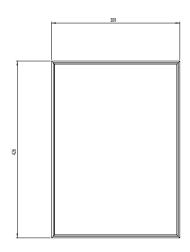
Key features

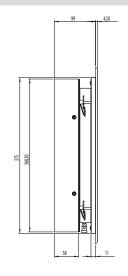
- True compact alternative to the traditional high-end 2-way loudspeaker
- Easy and quick installation
- Optional mounting kit (for walls under construction)
- Speaker drivers developed and manufactured in France by Focal
- Ready-to-paint grille

Туре	2-way In-Wall sealed speaker			
Drivers	6 ^{1/2"} (16.5cm) 'W' midbass 1 ^{1/4"} (27mm) Al/Mg inverted dome tweeter			
Frequency response (±3dB)	60Hz-30.5kHz			
Sensitivity (2.83V/1m)	88dB			
Nominal impedance	8Ω			
Recommended amplifier power	25-150W			
Tweeter adjustment	-3dB / OdB / +3dB			
Crossover frequency	2,600Hz			
Frame size: - with grille - without grille	$16^{3/4"} \times 12^{1/8"} - 0^{3/16"}$ thick (425x308mm - 4.5mm thick) $16^{1/3"} \times 11^{3/4"} - 0^{1/16"}$ thick (415x298mm - 1.5mm thick)			
Cut-out dimensions (HxW)	14 ^{15/16} " x 10 ^{3/8} " (379x262mm)			
Depth from wall	3 ^{7/8} " (99mm)			
Net weight	14.1lbs (6.4kg)			



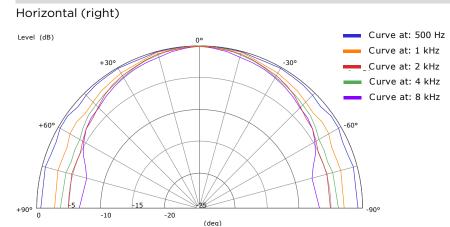
Dimensions



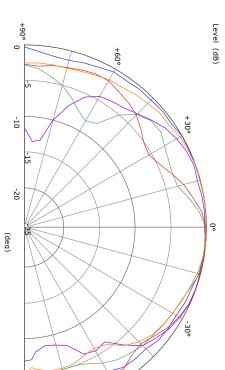




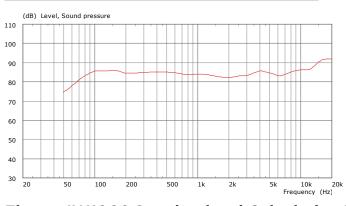
Directivity Measurements







Frequency Response



Electra IW1002 Speaker level Calculation Table

Power/Distance	1m	2m	5m
1W (2.83V)	88dB	82dB	74dB
10W (8.94V)	98dB	92dB	84dB
20W (12.6V)	101dB	95dB	87dB
30W (15.5V)	103dB	97dB	89dB

Summary	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
NPA (2.83 V/1 m) (dB)	88	86	86	85	83	86	86
Opening Angle at -6dB	180°	180°	180°	180°	180°	180°	130°