

300 ICW6

Product Data Sheet

MADE IN
FRANCE

Magnets for mounting magnetic grilles with anti-vibration pads.



Easy Quick Install system.
No tools required.
System compatible with wall/ceiling from 0³/₁₆" to 1³/₁₆" (5 to 30mm).

Handles to attach the speaker to the mounting frame without tools.



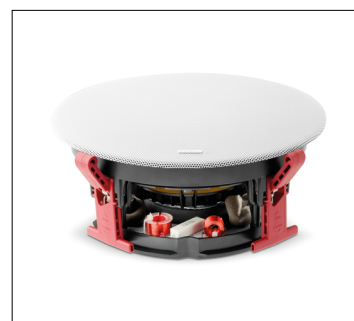
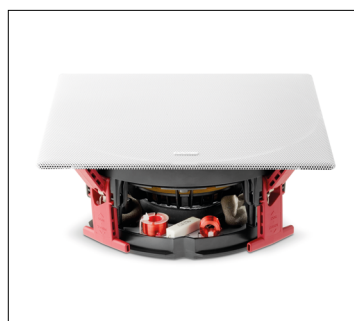
1" (25 mm) Al/Mg inverted dome tweeter with Poron suspension. Smoother sound.

6.5" (16.5cm) Flax midbass.
Flax Membrane: neutrality and sound definition.

Product rear protection against dust.

Rotating tweeter.
Off-axis response optimized.

Tweeter adjustment
-3dB, 0dB, +3dB.
Treble equalisation depending on the room acoustics.

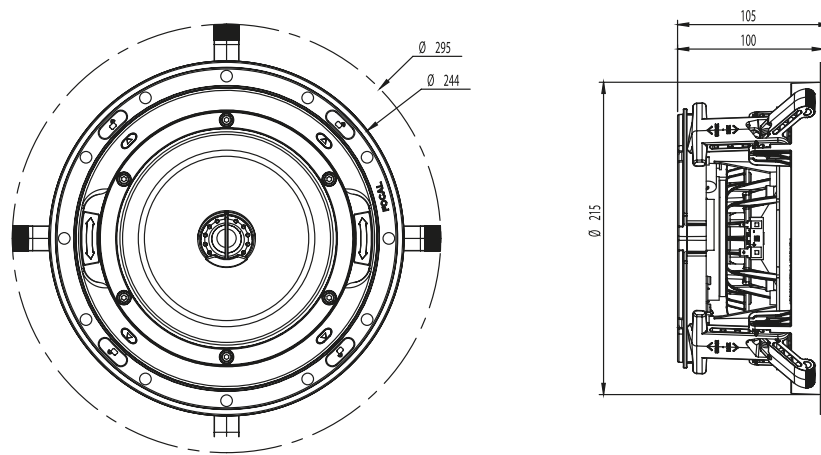


Key points

- 2-way speaker for custom install
- No tools required to install the product
- Loudspeaker developed and manufactured in France by Focal
- Delivered with ready-to-paint square and circular front grilles and painting protective mask
- Off-axis response control (Tweeter rotation and gain adjustment)

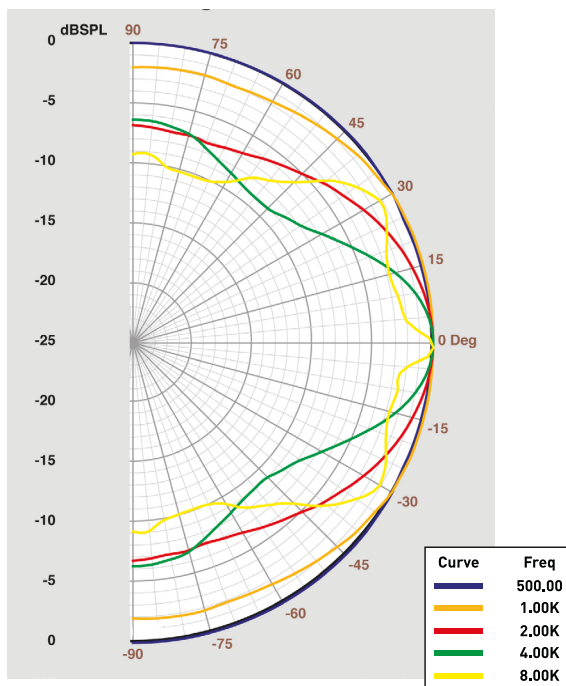
Type of speaker	2-way
Speaker drivers	6 ¹ / ₂ " (16.5cm) Flax Mid-bass 1" (25mm) Aluminium/Magnesium inverted dome tweeter
Sensitivity (2.83V/1m)	89dB
Frequency response (+/-3dB)	65Hz - 28kHz
Low-frequency cut-off (-6dB)	45Hz
Nominal impedance	8 Ω
Minimal impedance	4.8 Ω
Recommended amp power	25 - 130W
Dimensions (Ø/depth)	9 ³ / ₁₆ " x 4 ⁹ / ₁₆ " (244x105mm)
Cut-Out diameter	8 ¹ / ₂ " (216mm)
Depth behind surface	3 ¹⁵ / ₁₆ " (100mm)
Net weight (with grille)	5.29 lbs (2.4kg)
Box size (WxDxH)	12 ¹³ / ₁₆ " x 12 ¹³ / ₁₆ " x 10 ⁵ / ₁₆ " (310x310x270mm)
Total weight (with packaging)	8.6 lbs (3.9kg)
Recommended settings for DSP-amplifiers:	
Recommended Limiter Threshold	7,6V RMS
Recommended Limiter Attack Time	0ms
Recommended Limiter Release Time	150ms
Recommended High-pass filter	35Hz Linkwitz-Riley 12 dB/octave

Dimensions

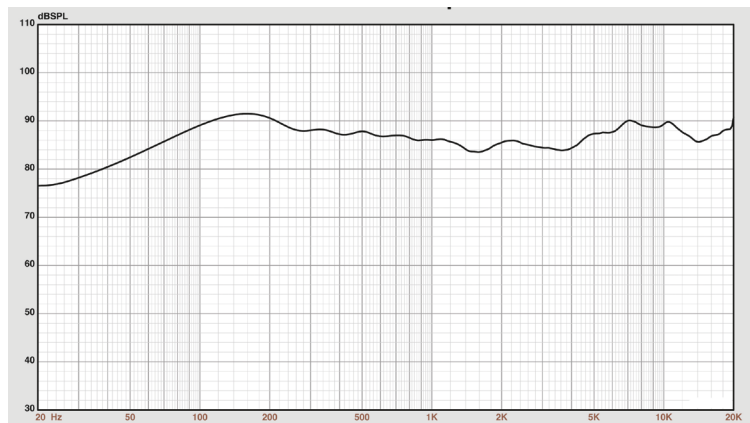


Measurements

Directivity



Frequency response



ICW6 speaker level calculation table

Power/Distance	1m	2m	5m
1 W (2.83V)	89dB	83dB	75dB
5 W (6.32V)	96dB	90dB	82dB
10 W (8.94V)	99dB	93dB	85dB
20 W (12.6V)	102dB	96dB	88dB

Summary	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
SPL [2.83V/1m](dB)	90	89	88	87	87	86	89
Opening angle at -6dB	180°	180°	180°	180°	105°	60°	90°

