

CWM 500

B&W Bowers & Wilkins

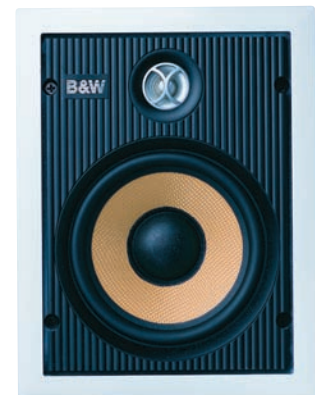


See nothing, hear everything

The CWM 500 has been designed for medium to small home applications. The tweeter is an ultra-12 tweeter with low diffraction effect protection. The tweeter has a treble contour switch to cut or boost the high frequency. The frame incorporates "Swing Out Dog" for effortless installation. IR Receiver compatible.

Technical Specification

Technical features	IR receiver compatible 2-position treble contour switch Swing-out dog fixings
Description	2-way in-wall speaker system
Drive units	1x ø25mm (1 in) aluminium dome tweeter 1x ø125mm (5 in) woven Kevlar® cone mid/bass
Frequency range	-6dB at 50Hz and 22kHz
Frequency response	55Hz-20kHz ±3dB on reference axis
Sensitivity	88dB spl (2.83V, 1m)
Nominal impedance	8Ω (minimum 3.0Ω)
Crossover frequency	3.5kHz
Recommended amplifier power	100W continuous into 8Ω on unclipped programme
Frame size	228mm (9 in) x 175mm (6.9 in)
Cut-out size	212mm (8.3 in) x 156mm (6.1 in)
Min depth req	85mm (3.3 in) from ceiling surface
Net weight	1.4kg (3.1lb)
Finish	Semi-matt white suitable for customising or pre-painting (paint mask included)
Accessories	Pre-mount kit for new construction (PMK 500)



CWM 500

Architectural and Engineering Specifications

The loudspeaker system shall be of the mono-amped 2-way type comprising of a single flush mountable rectangular enclosure containing one 5in bass-mid driver with woven glass fibre cone and one 1in Ultra 12 tweeter.

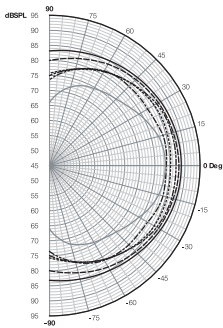
Performance specifications of a typical production unit shall meet or exceed the following:

Frequency response shall be 55 – 20kHz. Nominal impedance shall be 8 Ohm. Total power handling shall be 100W continuous into 8 Ohm on unclipped programme. Sensitivity measured with 2.83V at 1-metre distance on axis, mean averaged between 55 – 20kHz shall be 88dB.

External dimensions shall be 228mm (9in) height x 175mm (6.9in) width x 85mm (3.3in) depth. Total weight shall be 1.4kg (3.1lb).

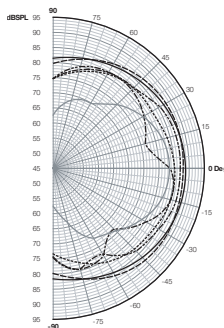
The loudspeaker system shall be the B&W CWM 500. No other system shall be acceptable unless the above combined performance are equalled or exceeded.

Polar Response Horizontal



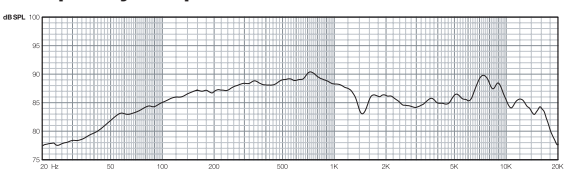
Curve	Freq	BW	Q	DI
—	500.00	190	2.0	3.0
- - -	1.00K	147	2.4	3.9
· · · · ·	2.00K	139	2.9	4.2
— · — · —	4.00K	155	3.3	3.7
- · - · - · -	8.00K	119	3.0	4.8
— · — · —	16.00K	76	4.7	6.7

Polar Response Vertical

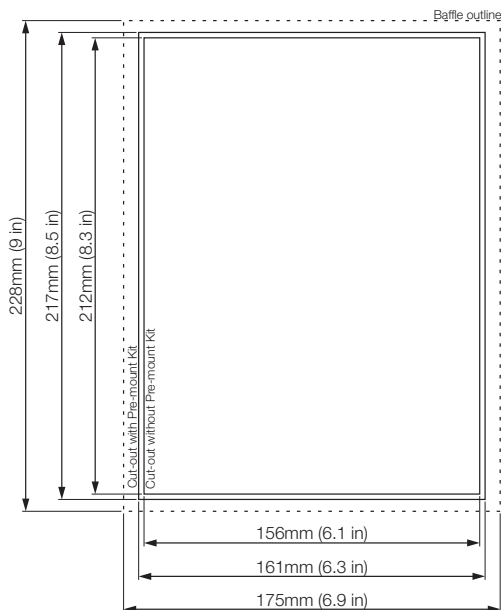


Curve	Freq	BW	Q	DI
—	500.00	149	2.4	3.8
- - -	1.00K	155	2.3	3.7
· · · · ·	2.00K	135	2.7	4.3
— · — · —	4.00K	144	3.2	3.2
- · - · - · -	8.00K	120	3.0	4.8
— · — · —	16.00K	69	5.2	7.2

Frequency Response



Dimensions



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