



See nothing, hear everything

The CWM 650 has been designed for large or small home applications. The tweeter is a 1in metal dome tweeter and the CWM650 features a treble contour switch to cut or boost the high frequency. The frame incorporates "Swing Out Dogs" for effortless installation. IR Receiver compatible.

Technical Specification

Technical features	IR receiver compatible 3-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 ø165mm (6.5 in) woven Kevlar® cone mid/bass
Frequency range	-6dB at 45Hz and 30kHz
Frequency response	50Hz-20kHz ±3dB on reference axis
Sensitivity	89dB spl (2.83V, 1m)
Nominal impedance	8Ω (minimum 3.0Ω)
Crossover frequency	3.5kHz
Recommended amplifier power	130W continuous into 8Ω on unclipped programme
Frame size	310mm (12.2 in) x 216mm (8.5 in)
Cut-out size	281mm (11.1 in) x 186mm (7.3 in)
Min depth req	85mm (3.3 in) from wall surface
Net weight	2.4kg (5.3lb)
Finish	Semi-matt white suitable for customising or pre-painting (paint mask included)
Accessories	Pre-mount kit for new construction (PMK 650) Back Box (BB W6I)



CWM 650

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 6.5in bass-mid driver with kevlar cone and one 1in aluminium dome tweeter.

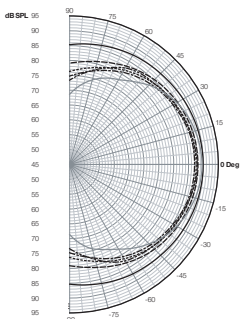
Performance specifications of a typical production unit shall meet or exceed the following:

Frequency response shall be 50 – 20kHz. Nominal impedance shall be 8 Ohm. Total power handling shall be 130W continuous into 8 Ohm on unclipped programme. Sensitivity measured with 2.83V at 1-metre distance on axis, mean averaged between 50 – 20kHz shall be 89dB.

External dimensions shall be 310mm (12.2in) height x 216mm (8.5in) width x 89mm (3.5in) depth. Total weight shall be 2.4kg (5.3lb).

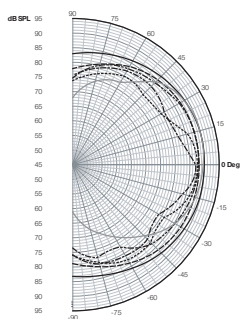
The loudspeaker system shall be the B&W CWM 650. No other system shall be acceptable unless the above combined performance are equalled or exceeded.

Polar Response Horizontal



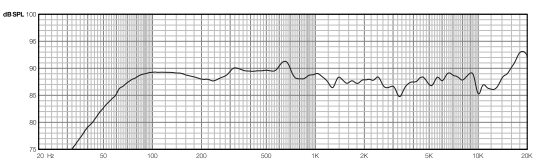
Curve	Freq	BW	Q	Q ₁
—	1000.00	180	2.0	3.0
- - -	1.00K	131	2.7	4.4
· · · · ·	2.00K	118	3.0	4.8
— · — · —	4.00K	118	3.0	4.8
- - -	8.00K	122	3.0	4.7
—	16.00K	82	4.4	6.4

Polar Response Vertical

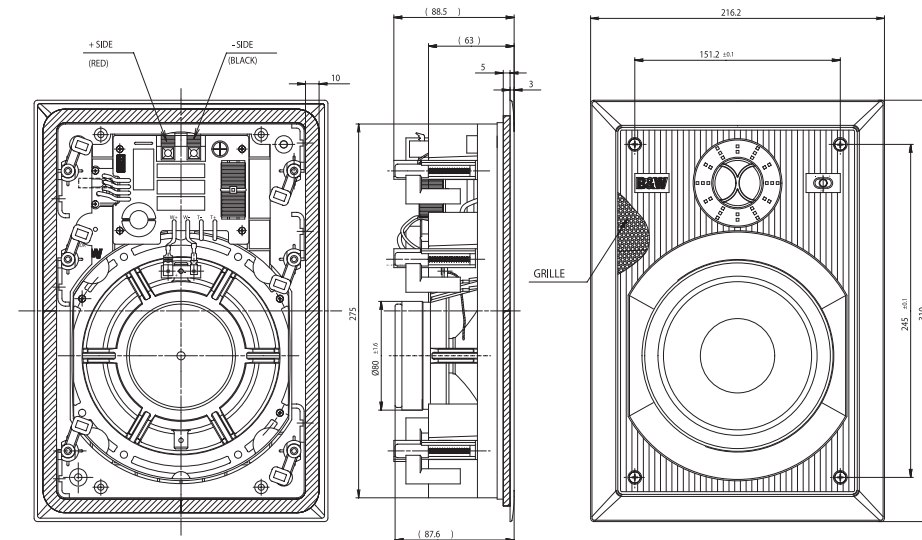


Curve	Freq	BW	Q	Q ₁
—	1000.00	180	2.0	3.0
- - -	1.00K	135	2.7	4.3
· · · · ·	2.00K	81	7.1	8.5
— · — · —	4.00K	87	4.1	6.2
- - -	8.00K	115	3.1	5.0
—	16.00K	80	4.5	6.5

Frequency Response



Dimensions



B&W Bowers & Wilkins

B&W Group Ltd
Dale Road
Worthing West Sussex
BN11 2BH England

T +44 (0) 1903 221800
F +44 (0) 1903 221801
info@bwgroup.com
www.bwspeakers.com

B&W Group (UK Sales)
T +44 1903 221 500
E uksales@bwgroup.com

B&W Group North America
T +1 978 664 2870
E marketing@bwgroupusa.com

B&W Group Asia Ltd
T +852 2 869 9916
E showroom@bwgroup.hk

Copyright © B&W Group Ltd. E & OE.
B&W Group Ltd reserves the right to amend details of the specifications
without notice in line with technical developments.