



See nothing, hear everything

As one might expect of a Signature product, all the ingredients in the Signature 8NT are of the highest order. The system is built around an extremely strong and rigid glass-filled polymer thermoset baffle. This provides the foundation for the drive units and fits into a steel (rather than the more common plastic) wall frame, commensurate with the size and weight of the product. Two 180mm (7-inch) paper/Kevlar® cone drivers provide well-extended and dynamic bass. Centrally placed between them is a sub-baffle, supporting the midrange and tweeter drivers. This sub-baffle may be rotated in 90 degree steps so that, no matter which way the complete system is oriented, the midrange and tweeter can always be positioned one above the other to optimise horizontal dispersion and maintain the correct balance for a widespread group of listeners – especially important for a centre channel.

Technical Specification

Technical features	<p>Very high rigidity glass-filled resin baffle MF/HF sub-baffle rotates to maintain optimum dispersion Nautilus™ tube-loaded tweeter FST woven Kevlar® midrange</p>
Description	3-way in-wall speaker system
Drive units	<p>1x ø25mm (1 in) Nautilus™ tube loaded aluminium dome tweeter 1x ø130mm (5 in) woven Kevlar® cone FST midrange 2x ø180mm (7 in) paper/kevlar® cone bass</p>
Frequency range	-6dB at 28Hz and 50kHz
Frequency response	33Hz-22kHz ±3dB on reference axis
Sensitivity	90dB spl (2.83V, 1m)
Nominal impedance	8Ω (minimum 3.6Ω)
Crossover frequency	500Hz, 4kHz
Recommended amplifier power	20W - 200W into 8Ω on unclipped programme
Frame size	830mm (32.7 in) x 258mm (10.2 in)
Cut-out size	796mm (31.4 in) x 226mm (8.9 in)
Min depth req	99mm (3.9 in) behind mounting surface
Net weight	10 kg (22lb)
Finish	Semi-matt white suitable for customising or pre-painting (paint mask included)
Accessories	<p>Pre-mount kit for new construction (PMK 8NT) Back Box (BB Signature 8NT)</p>



Signature 8NT

Architectural and Engineering Specifications

The loudspeaker system shall be of the mono-amped 3 way type comprising of a single flush mountable rectangular enclosure containing two 7in bass drivers with paper/Kevlar cones, one 5in FST midrange woven Kevlar cone and one 1in tube loaded aluminium dome tweeter.

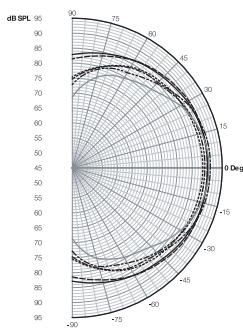
Performance specifications of a typical production unit shall meet or exceed the following:

Frequency response shall be 33 – 22kHz. Nominal impedance shall be 8 Ohm. Total power handling shall be 200W continuous into 8 Ohm on unclipped programme. Sensitivity measured with 2.83V at 1-metre distance on axis, mean averaged between 33 – 22kHz shall be 90dB.

External dimensions shall be 830mm (32.7in) height x 258mm (10.2in) width x 104mm (4.1in) depth. Total weight shall be 10kg (22lb).

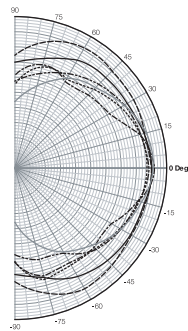
The loudspeaker system shall be the B&W Signature 8NT. No other system shall be acceptable unless the above combined performance are equalled or exceeded.

Polar Response Horizontal



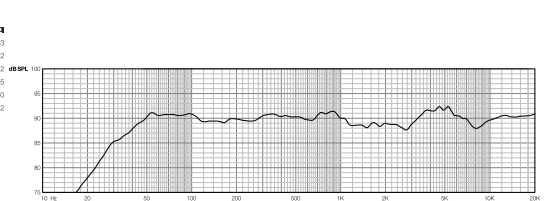
Curve	Freq	BW	Q	Q ₁₀
—	500.00	155	2.5	3.7
- - -	1.00K	144	2.5	4.0
· · · · ·	2.00K	131	2.8	4.4
- - -	4.00K	96	3.7	5.7
· · · · ·	8.00K	104	3.5	5.4
—	16.00K	73	5.0	6.9

Polar Response Vertical

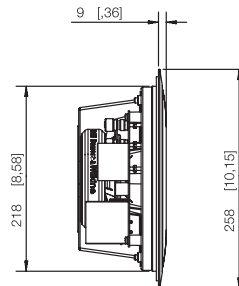
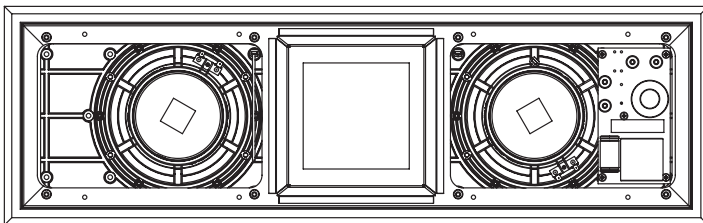
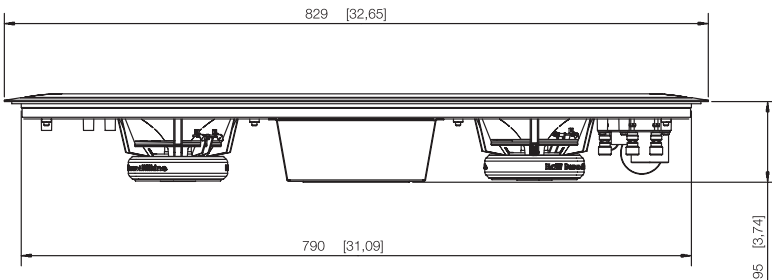


Curve	Freq	BW	Q	Q ₁₀
—	500.00	135	2.7	4.3
- - -	1.00K	173	2.1	3.2
· · · · ·	2.00K	85	4.2	6.2
- - -	4.00K	40	9.0	9.5
· · · · ·	8.00K	91	4.0	6.0
—	16.00K	69	5.2	7.2

Frequency Response



Dimensions



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