

TANNOY®

PRECISION

ADVANCE PRODUCT INFORMATION

The new Precision range combines the latest Tannoy Dual Concentric™ driver and WideBand™ Technology to deliver near field monitoring speaker designs that set fresh standards of acoustic performance and accuracy.

Within the development of Precision, Tannoy engineers took full advantage of significant advances in digital speaker measuring techniques such as Klippell™ symmetry and non-linear distortion analysis, laser scanning interferometry, and acoustic CAD simulation. This, combined with our highly exacting manufacturing processes, ensures that the Precision range delivers wide bandwidth, significantly low levels of distortion, very smooth response, extremely accurate phase control, high sensitivity levels and input source flexibility. An option of two cabinet and driver sizes is offered so that a precise choice can be made to satisfy the user requirements for all listening environments and applications.

Tannoy's core technology, the Dual Concentric™ is unlike ordinary drive units in that it is effectively two drivers, properly merged into one. The high-frequency unit is positioned on the back of the low frequency driver so that they are on the same axis. As a result sound energy is propagated from the same point and delivered through the centre of the low frequency cone providing a true point source. This integrated approach provides a constant time delay over the frequency spectrum offering better transient performance and sound quality with better harmonic alignment than a displaced source monitor design. The crucial benefit at the mix position is the delivery of a more natural and cleaner sound with greatly enhanced intelligibility.

One characteristic of the Dual design is a very wide 'sweet spot' with an exceptionally even response throughout the listening area and extraordinary transient response. This phase accurate Tannoy designed drive unit has, for all these reasons, been the choice of professional studio engineers for decades.

Tannoy has been at the forefront of developing loudspeakers with WideBand™ performance. Extending the high frequency roll-off out to 51kHz corrects the time or phase response at the upper end of audibility, resulting in enhanced accuracy and 'air', improved clarity within the essential mid band area, and even enhancing definition of low frequencies. Tannoy WideBand™ Technology is an essential component of the Precision monitor design delivering increased tonal accuracy of the individual instruments in the recording process - a mix-critical factor allowing the best EQ and placement decisions to be made.

Rigid cabinet design, point source, constant directivity driver and WideBand™ Technology combine to provide class-leading precision in studio monitoring.

PRECISION 6



PRECISION 8



PRECISION

PRECISION
PASSIVE STUDIO MONITORS

PRECISION

Precision	6	8
Frequency response (1)	64Hz-51kHz	56Hz-51kHz
Recommended Amplifier Power	60 to 120W @ 8Ω	80 to 160W @ 8Ω
Power Handling Average RMS (2)	60W	80W
Power Handling Programme RMS	120W	160W
Normal Impedance	6Ω	6Ω
Sensitivity (3)	91dB for 1W at 1m	93dB for 1W at 1m
Distortion	<0.7%	<0.5%
Crossover Frequency	2.5kHz	2.2kHz
Dispersion (@-6dB)	90 degrees	90 degrees
Dual Concentric™ LF/MID	165mm (6") Dual Concentric™ constant directivity driver with multi fibre paper pulp cone	200mm (8") Dual Concentric™ constant directivity driver with multi fibre paper pulp cone
Dual Concentric™ HF	25mm (1") titanium dome neodymium magnet system	25mm (1") titanium dome neodymium magnet system
SuperTweeter™	25mm (1") titanium dome neodymium magnet system	25mm (1") titanium dome neodymium magnet system
Shielded	Yes	Yes
Cabinet		
Type	Optimised bass-reflex loaded	
Construction	MDF cabinet and front baffle. Tongue and groove front and back	
Finish	Black cabinet Grey painted baffle with brushed aluminium inlay	

- NOTES :
- (1) +/- 3 dB, measured at 1m in an anechoic chamber.
 - (2) Peak SPL at mix position for 1 pair driven
 - (3) Average over specified bandwidth for half space environment

Features:

- 40mm thick contoured baffle with brushed aluminium inlay
- Dual Concentric™ constant directivity drive unit
- Driver lossy-coupled to cabinet
- 10 screw driver chassis fixing
- Tannoy SuperTweeter™ takes the monitor bandwidth performance out to 51kHz
- Extended HF phase response
- Ferrofluid™ cooled HF units

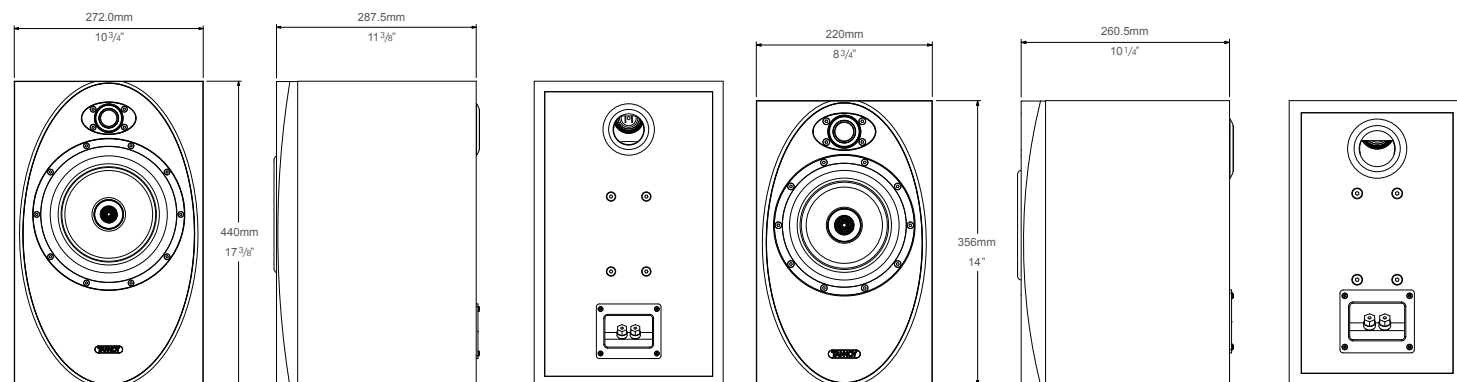
Applications:

- Home studios/composition
- Project studios, users of PC/MAC DAW's
- Professional recording, broadcast, post production studios & editing suites
- Off air monitoring
- Educational facilities
- Closefield/nearfield Monitoring
- Surround Monitoring
- Playback quality monitoring



TANNOY DUAL CONCENTRIC™ POINT SOURCE, CONSTANT DIRECTIVITY DRIVER

CABINET DIMENSIONS



TANNOY | **DUAL CONCENTRIC™**

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