



## Product Description

Conceived, engineered and built with precision in the United Kingdom, VX Series represents the latest evolution of Tannoy's core philosophies in professional Loudspeaker design. VX 6 is a new evolution of the highly successful and ubiquitous V6, renowned for its exceptional performance to size ratio. It provides a compact yet punchy and sonically vibrant solution for small-scale performance sound reinforcement and more demanding BGM applications as well as high performance speech reproduction where clarity and vocal character are paramount. The VX 6 has also been acoustically matched with the wider range of VX Series models, making it a perfectly capable component within much larger installations.

The VX 6 is built around a single 150 mm (6") Dual Concentric™ driver mounted within an ultra-compact, rugged birch plywood cabinet with aesthetically profiled edges and airtight-backed, powder-coated steel grille. The latest high power handling 150 mm (6") version of Tannoy's exclusive point source, constant directivity Dual Concentric drive unit technology ensures high power output with high sensitivity and exceptional efficiency. This unique configuration delivers optimum coverage, exceptional forward gain and excellent acoustic impedance characteristics. The dispersion characteristics of the Dual also enhance speaker placement flexibility; allowing vertical or horizontal mounting of single or multi-cabinet arrays without any compromise to sound quality

Audio connection is via screw-in binding posts or NL4 speakON on the flush-mounted termination panel while an extensive range of high performance steel mounting hardware is available, custom designed for VX 6 and manufactured by K&M. This includes a yoke bracket and omni-mount for wall and ceiling location as well as a VTH top-hat for pole-mounting. All hardware has been tested and certified by K&M to guarantee greater than 10:1 safety ratio – giving installers complete peace of mind and security in the rating of the mounting hardware.

The VX 6 is available in black or white textured paint finish as standard, with matching grilles, and is also available in custom matched RAL colours as an option. A weather proof specification (WP) is also available as an option. This includes LINE-X™ cabinet outer-coating, internal prism sealing and treated transducers with perforated Grade 316 Stainless Steel grilles. All steel hardware is upgraded to Grade 304 SS, while all connector panel points are protected by a cover plate and weather-proof cable gland. Additional lead time applies to all non-standard specifications.

## Features

- 150 mm (6") Dual Concentric full-range driver
- Tightly controlled 90 degree dispersion for optimum coverage and forward gain
- Peak output 117 dB, rec. amp power 200 W @ 8 Ohms
- Versatile mounting via optional custom designed hardware
- Pole-mountable for small-scale portable PA applications
- Exceptional sound and performance for a cabinet of this size
- Rugged and highly compact birch plywood enclosure
- Available in black or white textured paint finish – custom colours optional.
- Available in weather proof specification (optional)
- Engineered and built in UK
- Five year loudspeaker warranty

## Applications

- Performance Arts Spaces
- Theatres & Auditoria
- Bars, pubs and nightclubs
- Small scale live PA
- Theme parks and leisure venues
- Gymnasiums and small/medium sports arenas
- Portable corporate AV
- Conference rooms
- Houses of worship
- Cinemas

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# VX 6

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## TECHNICAL SPECIFICATIONS

System	VX 6		
Frequency Response (-3 dB) <sup>(1)</sup>	80 Hz - 45 kHz		
Frequency Range (-10 dB) <sup>(1)</sup>	65 Hz - 45 kHz		
System Sensitivity (1 W @ 1 m) <sup>(2)</sup>	91 dB (1 W = 2.83 V for 8 ohms)		
Dispersion (-6 dB)	90 degrees conical		
Driver Complement	1 x 150 mm (6.00") constant directivity Dual Concentric™		
Crossover	Passive 1.6 kHz with dynamic HF protection		
Directivity Factor (Q)	5.6 (averaged 1 kHz to 10 kHz)		
Directivity Index (DI)	7.0 (averaged 1 kHz to 10 kHz)		
Rated Maximum SPL <sup>(2)</sup>	111 dB (average) 117 dB (peak)		
Power Handling	Average	Programme	Peak
	100 W	200 W	520 W
Recommended Amplifier Power	200 W @ 8 ohms		
Nominal Impedance	8 ohms		
Distortion			
10% Full Power (8.94 V)	2nd Harmonic	3rd Harmonic	
250 Hz	2.64%	0.365%	
1 kHz	0.223%	0.458%	
10 kHz	1.873%	0.29%	
1% Full Power (2.83 V)	2nd Harmonic	3rd Harmonic	
250 Hz	0.64%	0.314%	
1 kHz	0.062%	0.436%	
10 kHz	0.78%	0.266%	

Construction	
Enclosure	9.2 litre birch plywood, vented and internally braced.
Finish	Textured black or white paint, with custom colours on request. Powder coated perforated steel grille, Airnet cloth behind
Connectors	1 x speakON NL4MP, 2 x 4 mm binding posts
Fittings	4 x M6 flying inserts, 2 x M6 yoke bracket inserts Blanking plate for optional VTH pole mount
Dimensions	333 x 225 x 215 mm (HxWxD) 13.1 x 8.9 x 8.1" (HxWxD)
Net Weight	TBA
Shipped weight	TBA
Packed quantity	2

### Notes

(1) Average over stated bandwidth. Measured at 1 metre on axis in an anechoic chamber

(2) Unweighted pink noise input, measured at 1 metre in an anechoic chamber  
A full range of measurements, performance data, and Ease™ Data can be downloaded from [www.tannoy.com](http://www.tannoy.com)

Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods will always equal or exceed the published specifications, which Tannoy reserves the right to alter without prior notice. Please verify the latest specifications when dealing with critical applications.

## Ordering Information

PART NUMBER	MODEL NAME	COLOUR	PACKED QUANTITY
8001 6320	VX 6	BLACK	2
8001 6321	VX 6	WHITE	2

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