



## 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 12HP is a new evolution of Tannoy's market-leading V12HP, renowned for its exceptional performance and versatility making it a premier choice for many typical applications. It provides a higher performance solution for medium scale sound reinforcement such as fashion retail outlets and bars and clubs as well as being well suited for portable PA applications.

The VX 12HP is built around a single 300 mm (12") PowerDual™ driver mounted within a rugged birch plywood cabinet with aesthetically profiled edges and airtight-backed, powder-coated steel grille. The latest higher power handling 300 mm (12") version of Tannoy's exclusive point source, constant directivity PowerDual 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 flush-mounted, recessed termination panel with both NL4 speakON and connector strip while an extensive range of high performance steel mounting hardware is available, custom designed for VX 12HP and manufactured by K&M. This includes a yoke bracket and omni-mount for wall and ceiling location as well as eyebolt location points and a VTH top-hat for pole-mounting. Ergonomic Integrip™ recessed handle makes one and two-handed lift of the cabinet easier than ever for optimum portability.

The VX 12HP 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

- 300 mm (12") Dual Concentric PowerDual full-range driver
- Tightly controlled constant directivity 75 degree dispersion for optimum coverage and forward gain
- Peak output 130 dB, rec. amp power 700 W @ 8 Ohms
- Versatile mounting via optional custom designed hardware
- Integrip™ handle ergonomically integrated into top and bottom of cabinet and pole-mountable for optimum portability.
- Exceptional sound and performance for a cabinet of this size
- Flush-mounted TP with NL4 speakON and barrier strip connections
- 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
- FOH and DJ booth monitoring
- Medium 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 12HP

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## TECHNICAL SPECIFICATIONS

System	VX 12HP		
<b>Frequency Response (-3 dB) <sup>(1)</sup></b>	80 Hz - 25 kHz		
<b>Frequency Range (-10 dB) <sup>(1)</sup></b>	60 Hz - 30 kHz		
<b>System Sensitivity (1 W @ 1m) <sup>(2)</sup></b>			
Passive - Full Range	97 dB (1 W = 2.83 V for 8 Ohms)		
Biamp (LF)	98 dB		
Biamp (HF)	106 dB		
<b>Dispersion (-6 dB)</b>	75 degrees conical		
<b>Driver Complement</b>	1 x 300 mm (12.00") PowerDual™		
<b>Crossover</b>	Passive 1 kHz		
<small>Product can be reconfigured for bi-amped operation. Bi-amp system parameters in user manual</small>			
<b>Directivity Factor (Q)</b>	10.1 (averaged 1 kHz to 10 kHz)		
<b>Directivity Index (DI)</b>	10.0 dB (averaged 1 kHz to 10 kHz)		
<b>Rated Maximum SPL <sup>(2)</sup></b>			
Passive - Full Range	123 dB (average) 129 dB (peak)		
Biamp (LF)	124 dB (average) 130 dB (peak)		
Biamp (HF)	125 dB (average) 131 dB (peak)		
<b>Power Handling</b>	Average	Programme	Peak
Passive - Full Range	350 W	700 W	1400 W
Biamp (LF)	350 W	700 W	1400 W
Biamp (HF)	80 W	160 W	320 W
<b>Recommended Amplifier Power</b>			
Passive - Full Range	700 W @ 8 ohms		
Biamp (LF)	700 W @ 8 ohms		
Biamp (HF)	160 W @ 8 ohms		
<b>Nominal Impedance</b>			
Passive - Full Range	8 ohms		
Biamp (LF)	8 ohms		
Biamp (HF)	8 ohms		
<b>Distortion</b>			
10% Full Power (17.9 V)	2nd Harmonic	3rd Harmonic	
250 Hz	0.239%	0.67%	
1 kHz	1.58%	3.54%	
10 kHz	5.2%	0.19%	
1% Full Power (5.66 V)	2nd Harmonic	3rd Harmonic	
250 Hz	0.11%	0.581%	
1 kHz	0.79%	2.53%	
10 kHz	1.94%	0.161%	

Construction	
<b>Enclosure</b>	36.4 litre, 15 mm (enclosure) and 18 mm (front) birch plywood, vented and internally braced.
<b>Finish</b>	Textured black or white paint, with custom colours on request. Powder coated perforated steel grille, Airnet cloth behind
<b>Connectors</b>	2 x speakON NL4MP and Barrier strip
<b>Fittings</b>	8 x M10 Flying inserts (portrait or landscape mounting), 8 x M10 yoke bracket inserts, 2 x Integrip carrying handles, Blanking plate for optional VTH pole mount
<b>Dimensions</b>	490 x 370 x 380 mm (HxWxD) 19.3 x 14.6 x 15.0" (HxWxD)
<b>Net Weight</b>	TBA
<b>Shipped weight</b>	TBA
<b>Packed quantity</b>	1

### 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 6360	VX 12HP	BLACK	1
8001 6361	VX 12HP	WHITE	1

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