



## 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 15Q is a new class of device that adds more versatility and performance capabilities. It provides a higher impact solution for medium scale sound reinforcement for high-SPL applications such as bars and clubs as well as being well suited for portable PA applications.

The VX 15Q is built around a brand new 380 mm (15") PowerDual™ driver featuring a Q-Centric Waveguide™ (QCW), mounted within a rugged birch plywood cabinet with aesthetically profiled edges and airmet-backed, powder-coated steel grille. The latest higher power handling 380 mm (15") version of Tannoy's exclusive point source, constant directivity PowerDual drive unit technology, coupled with the QCW device, brings best of both worlds – true point source acoustical performance combined with more tightly controlled 75 x 40 degree dispersion, resulting in less unwanted shading effects and optimized forward gain. The driver assembly can be rotated 90 degrees in the cabinet to allow for versatile mounting without compromise to coverage.

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 15Q 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 15Q 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

- 380 mm (15") PowerDual full-range driver with QCW delivering best of both worlds – true point source combined with new horn design, resulting in less unwanted shading effects
- Tightly controlled 75 x 40 degree dispersion for optimum coverage and forward gain
- Peak output 132 dB, rec. amp power 800 W @ 8 Ohms
- 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
- Available in black or white textured paint finish – custom colours optional.
- Available in weather proof specification (optional)
- 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 15Q

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## TECHNICAL SPECIFICATIONS

<b>System</b>	<b>VX 15Q</b>		
<b>Frequency Response (-3 dB) <sup>(1)</sup></b>	70 Hz - 25 kHz		
<b>Frequency Range (-10 dB) <sup>(1)</sup></b>	58 Hz - 30 kHz		
<b>System Sensitivity (1 W @ 1 m) <sup>(2)</sup></b>	99 dB (1 W = 2.83 V for 8 ohms)		
Passive - Full Range	100 dB		
Biamp (LF)	108 dB		
Biamp (HF)	108 dB		
<b>Dispersion (-6 dB)</b>	75 degrees (H) x 40 degrees (V)		
<b>Driver Complement</b>	1 x 380 mm (15.00") PowerDual™ with Q-Centric waveguide		
<b>Crossover</b>	Passive 1.3 kHz		
<small>Product can be reconfigured for bi-amped operation. Bi-amp system parameters in user manual</small>			
<b>Directivity Factor (Q)</b>	12.0 (averaged 1 kHz to 8 kHz)		
<b>Directivity Index (DI)</b>	10.8 dB (averaged 1 kHz to 8 kHz)		
<b>Rated Maximum SPL <sup>(2)</sup></b>			
Passive - Full Range	125 dB (average)	131 dB (peak)	
Biamp (LF)	126 dB (average)	132 dB (peak)	
Biamp (HF)	127 dB (average)	132 dB (peak)	
<b>Power Handling</b>	Average	Programme	Peak
Passive - Full Range	400 W	800 W	1600 W
Biamp (LF)	400 W	800 W	1600 W
Biamp (HF)	80 W	160 W	320 W
<b>Recommended Amplifier Power</b>			
Passive - Full Range	800 W @ 8 ohms		
Biamp (LF)	800 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	1.05%	0.10%	
1 kHz	1.61%	1.02%	
10 kHz	7.79%	1.15%	
1% Full Power (5.66 V)	2nd Harmonic	3rd Harmonic	
250 Hz	0.30%	0.06%	
1 kHz	0.58%	0.52%	
10 kHz	2.32%	0.13%	

<b>Construction</b>	
<b>Enclosure</b>	54.9 litre, 18 mm 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>	590 x 450 x 420 mm (HxWxD) 23.2 x 17.7 x 16.5" (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 6400	VX 15Q	BLACK	1
8001 6401	VX 15Q	WHITE	1

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