



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 12.2Q is an entirely new class of device that delivers high SPL, low distortion audio coverage. It provides a higher impact solution for medium-to-large scale sound reinforcement for high-SPL applications such as bars and clubs as well as being well suited for mid-scale portable/live PA applications.

The VX 12.2Q is built around two discrete transducers, a 300 mm (12") Dual Concentric™ driver and a 300 mm (12") bass driver for greatly improved LF extension, mounted within a rugged birch plywood cabinet with aesthetically profiled edges and airtight-backed, powder-coated steel grille. The latest higher power handling 300mm (12") 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 highly 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 dispersion requirements.

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 12.2Q 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 can also be used as a floor wedge thanks to the cabinet form factor. Ergonomic Integrip™ recessed handles at each end makes one- and two-handed lift of the cabinet easy for optimum portability.

The VX 12.2Q 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") 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
- Discrete 300 mm (12") bass driver for extended LF performance.
- Tightly controlled 75 x 40 degree dispersion for optimum coverage and forward gain
- Peak output 132 dB, rec. amp power 1 kW @ 8 ohms
- Integrip™ handles ergonomically integrated into top and bottom of cabinet and pole-mountable for optimum portability.
- 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-to-large scale live PA
- Theme parks and leisure venues
- Gymnasiums and small/medium sports arenas
- Portable corporate AV
- Conference rooms
- Houses of worship
- Cinemas

Tannoy (Direct UK)
TCGI (ROW sales)
TCGA (Americas sales)
Tannoy Middle East

T: 00 44 (0) 1236 420199
T: 00 45 8742 7000
T: 00 1 (519) 745 1158
T: 00 971 (04) 4401208

E: enquiries@tannoy.com
E: info@tcgroup-international.com
E: info@tcgroup-americas.com
E: enquiries@tannoy.com

tannoy®.com



VX 12.2Q

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TECHNICAL SPECIFICATIONS

System	VX 12.2Q		
Frequency Response (-3 dB) ⁽¹⁾	70 Hz - 25 kHz		
Frequency Range (-10 dB) ⁽¹⁾	55 Hz - 30 kHz		
System Sensitivity (1 W @ 1 m) ⁽²⁾			
Passive - Full Range	99 dB (1 W = 2.83 V for 8 ohms)		
Biamp (LF)	98 dB		
Biamp (HF)	102 dB		
Dispersion (-6 dB)	75 degrees (H) x 40 degrees (V)		
Driver Complement	1 x 300 mm (12.00") PowerDual™ with Q-Centric waveguide 1 x 300 mm (12.00") bass driver		
Crossover	Passive 1.5 kHz		
<small>Product can be reconfigured for bi-amped operation. Bi-amp system parameters in user manual</small>			
Directivity Factor (Q)	13.0 (averaged 1kHz to 8kHz)		
Directivity Index (DI)	11.1 dB (averaged 1kHz to 8kHz)		
Rated Maximum SPL ⁽²⁾			
Passive - Full Range	126 dB (average) 132 dB (peak)		
Biamp (LF)	123 dB (average) 129 dB (peak)		
Biamp (HF)	127 dB (average) 133 dB (peak)		
Power Handling	Average	Programme	Peak
Passive - Full Range	500 W	1000 W	2000 W
Biamp (LF)	350 W	700 W	1400 W
Biamp (HF)	350 W	700 W	1400 W
Recommended Amplifier Power			
Passive - Full Range	1000 W @ 8 ohms		
Biamp (LF)	700 W @ 8 ohms		
Biamp (HF)	700 W @ 8 ohms		
Nominal Impedance			
Passive - Full Range	8 ohms		
Biamp (LF)	8 ohms		
Biamp (HF)	8 Ohms		
Distortion			
10% Full Power (17.9 V)	2nd Harmonic	3rd Harmonic	
250 Hz	2.49%	0.49%	
1 kHz	0.54%	0.73%	
10 kHz	7.54%	0.80%	
1% Full Power (5.66 V)	2nd Harmonic	3rd Harmonic	
250 Hz	0.60%	0.21%	
1 kHz	0.20%	0.49%	
10 kHz	2.56%	0.10%	

Construction	
Enclosure	57 litre, 15 mm (enclosure) and 18 mm (front) 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	2 x speakON NL4MP and Barrier strip
Fittings	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
Dimensions	780 x 370 x 380 mm (HxWxD) 30.7 x 14.6 x 15.0" (HxWxD)
Net Weight	TBA
Shipped weight	TBA
Packed quantity	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

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 6380	VX 12.2Q	BLACK	1
8001 6381	VX 12.2Q	WHITE	1

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