



## Product description

Conceived, engineered and built with precision in the United Kingdom, the VX 8M is a full range Dual Concentric loudspeaker from Tannoy, providing a compact, yet punchy and sonically vibrant solution for small-to-medium scale performance sound reinforcement. With a tightly controlled 90 degree dispersion for optimum coverage and forward gain, the VX 8M has a peak output of 119 dB and a recommended amplifier power of 260 W, making it a powerful and versatile performer for a wide range of applications.

A brand new rugged highly compact birch plywood enclosure - available in textured black and white paint finish - has been ergonomically redesigned to offer a greater degree of flexibility, while maintaining the power and sonic clarity users have come to expect from Tannoy's VX Series range. The new cabinet design includes 40 and 60 degree angles, making the VX 8M ideal for use as a dedicated floor monitor with the 8" driver providing exceptional vocal monitoring clarity. The enclosures added pole mount and vertical yoke (options as standard) make it a flexible choice for a range of usage and mounting options.

Audio connection on this highly portable loudspeaker features a recessed termination panel with two speakON connectors, offering a cleaner and more durable solution for a variety of applications.

Targeted to small and medium sized applications, such as corporate events, house of worship, performance spaces, portable PA and the likes, the new VX 8M can combine with any Tannoy VX loudspeaker or subwoofer to offer clear, uniform sound no matter what.

A new enhanced steel grille has been added to the VX 8M making these perfect for floor monitor use for small to medium-sized applications where vocal clarity is required.

When the original VX Series was introduced, Tannoy pushed loudspeaker technology further than ever before, setting new benchmarks in versatility and acoustic excellence. An expanded range of enclosures and transducer complements, VX Series combined next-generation Dual Concentric™ driver technology with smart new cabinet designs, enhanced build quality, and carefully thought-out functionality.

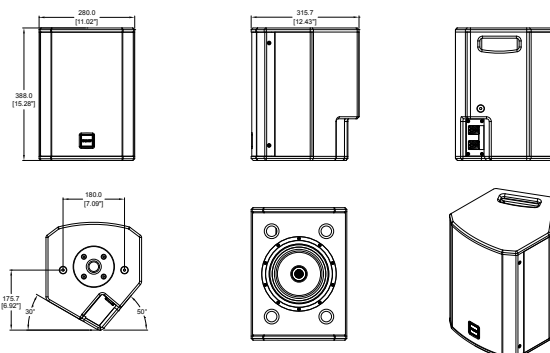
Any of the new and existing models can be combined with Tannoy's VSX Series, a range of compact high performance subwoofer devices, precision engineered to deliver high impact, low and ultra-low frequency reinforcement in a compact format.

## Features

- 200 mm (8") Dual Concentric full-range driver
- Well defined 90 degree dispersion for optimum coverage and forward gain
- Peak output 119 dB SPL @ 1 m, recommended amp power 260 W @ 8 ohms
- 2 speakON inputs or linking of cabinets
- Versatile mounting via optional custom designed hardware
- 60/40 degrees angle for floor monitor use
- Integrip™ handle ergonomically integrated into top of cabinet
- Pole-mountable for optimum portability
- 2 mm robust steel grille
- Exceptional sound and performance in a highly compact cabinet
- Rugged birch plywood enclosure
- Available in black or white textured paint finish – custom colours optional
- Engineered and built in UK

## Physical data

<b>Dimensions</b> HxWxD:	388 x 280 x 315.7 mm, (15.3 x 11.0 x 12.4")
<b>Net Weight:</b>	9 kg (19.8 lbs)
<b>Enclosure:</b>	16.3 litres, 15 mm (0.62") birch plywood, vented and internally braced
<b>Finish:</b>	Textured black or white paint (custom colours on request) Powder coated perforated steel grille, Airnet cloth behind

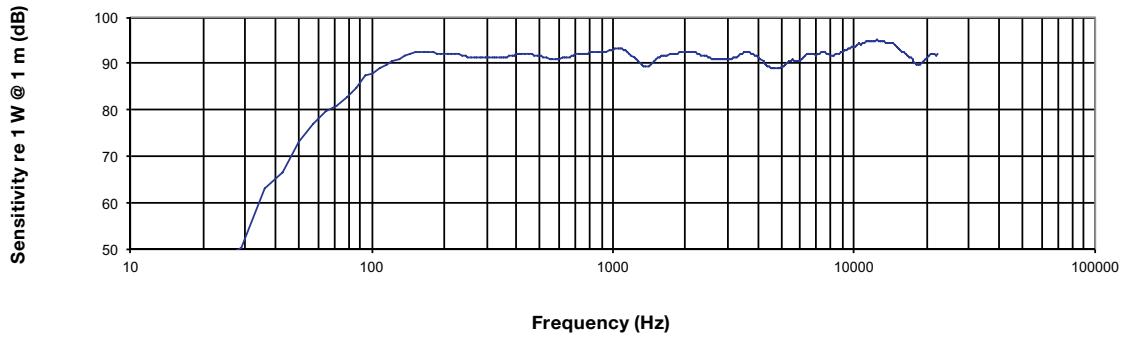


## Applications

- Performance Arts Spaces
- Theatres & Auditoria
- Bars, pubs and nightclubs
- Live sound reinforcement
- Floor monitor
- Theme parks and leisure venues
- Gymnasiums and small/medium sports arenas
- Portable corporate AV
- Houses of worship
- Cinemas

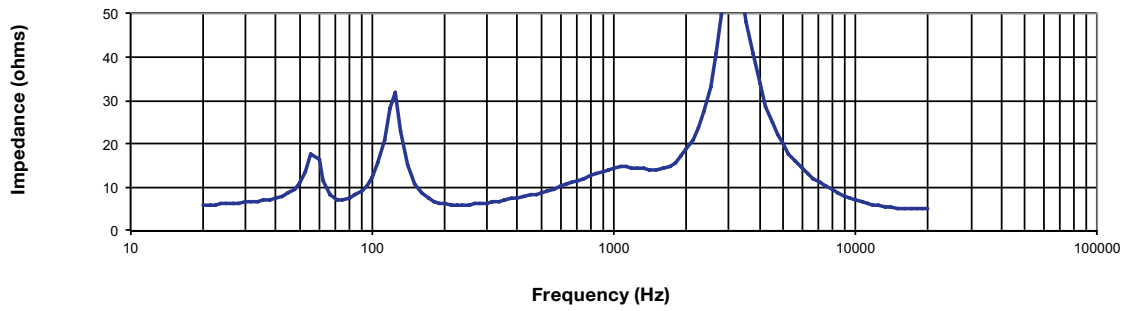
# TANNOY

### 1 m on-axis Frequency Response



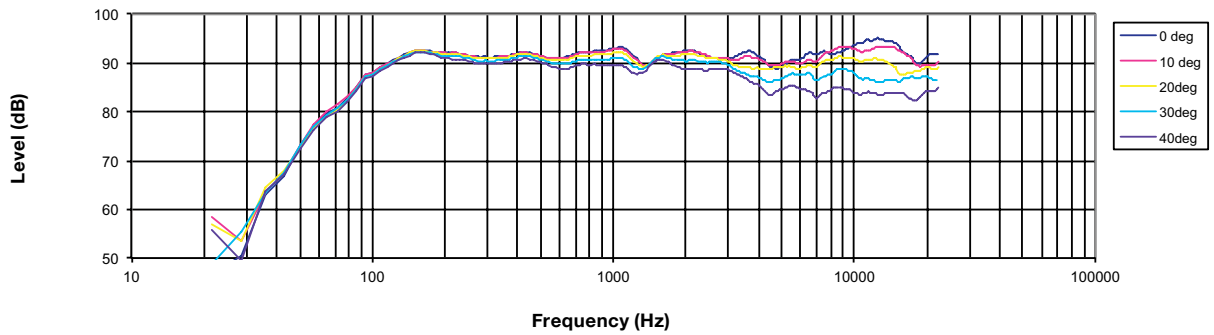
### Anechoic Frequency Response

### Impedance vs frequency



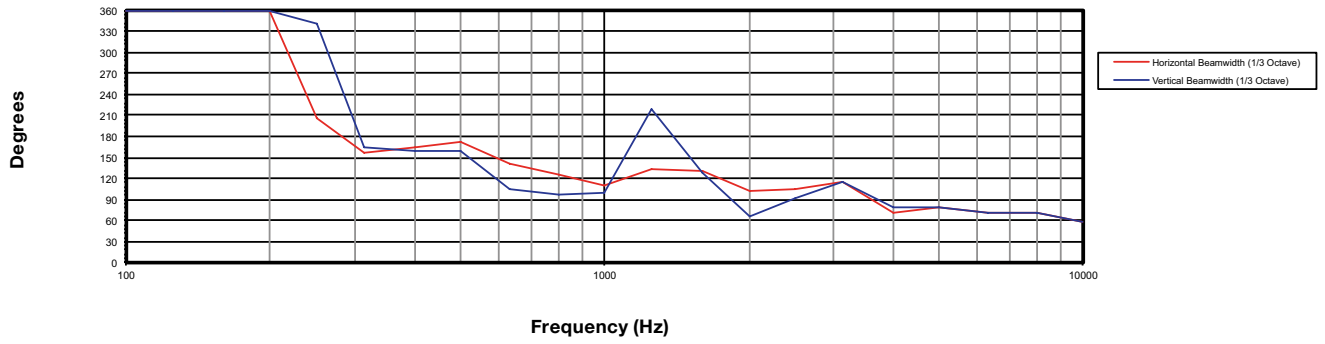
### Impedance

### Off-axis Frequency Response



### Off Axis Response

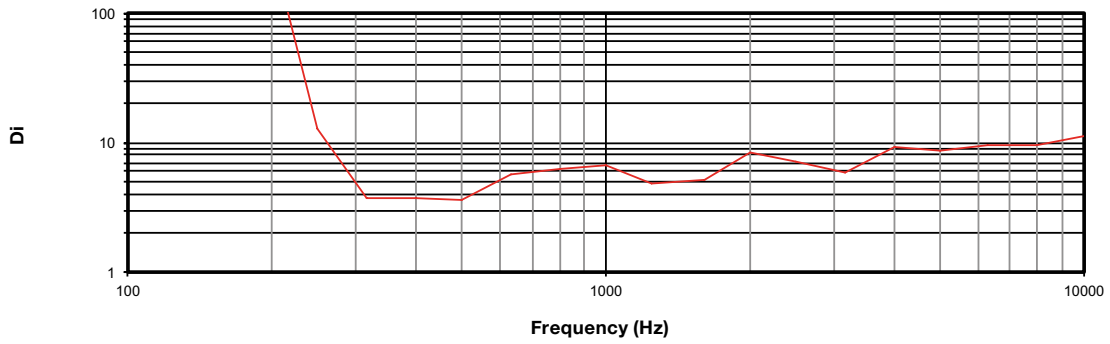
Beamwidth vs Frequency



Beamwidth

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Directivity Index (DI)



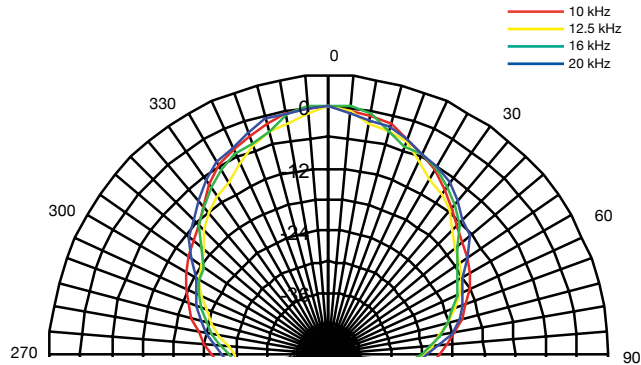
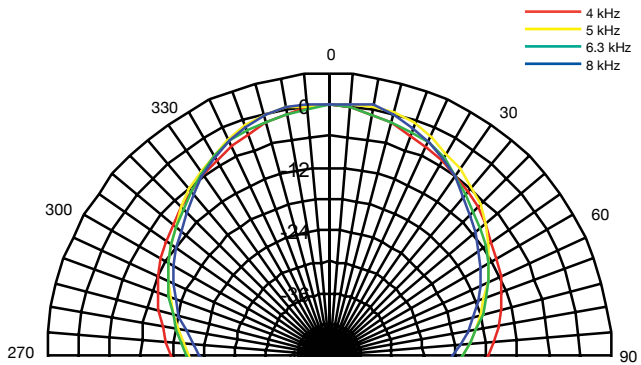
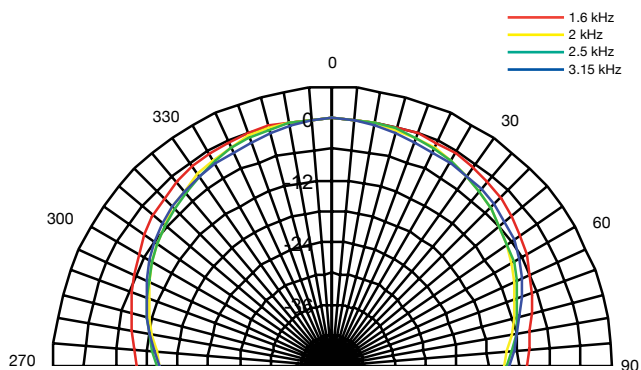
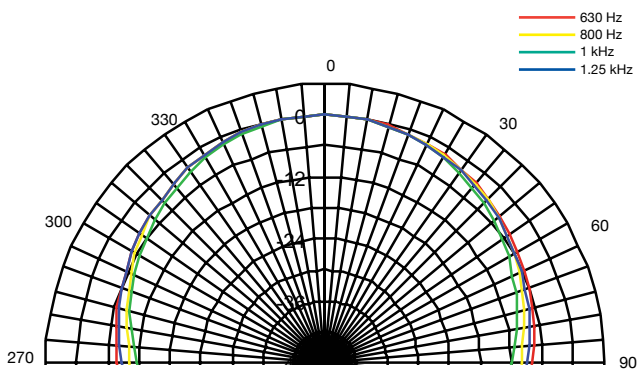
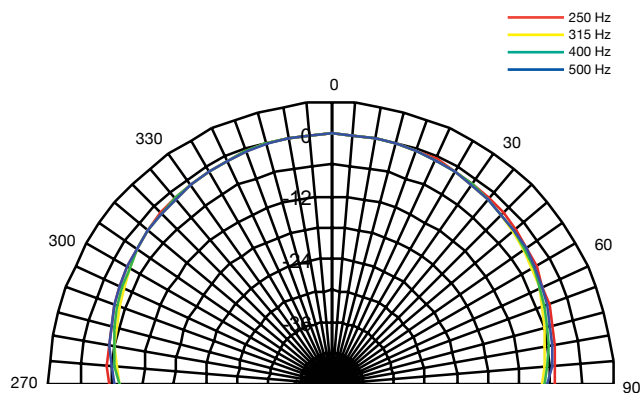
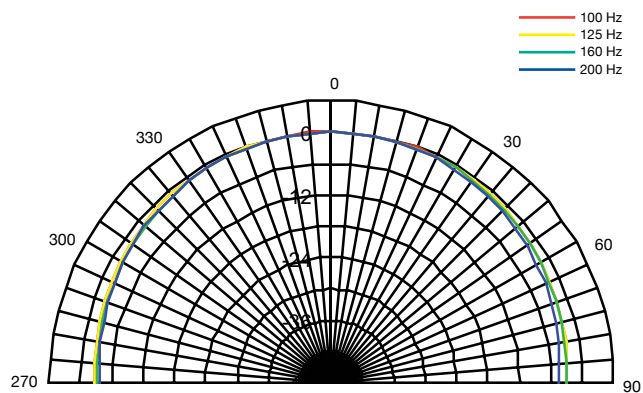
Directivity Index

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# Technical Data Sheet

## Horizontal Polar plots (1/3 octave)

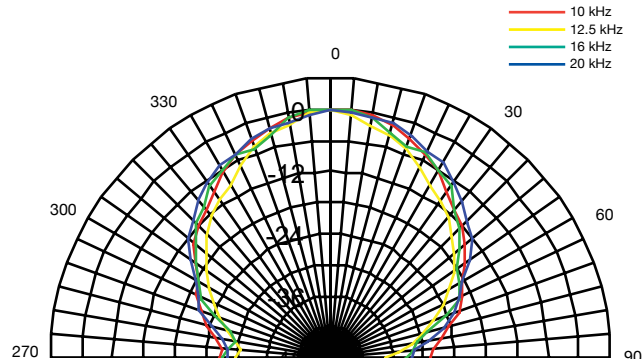
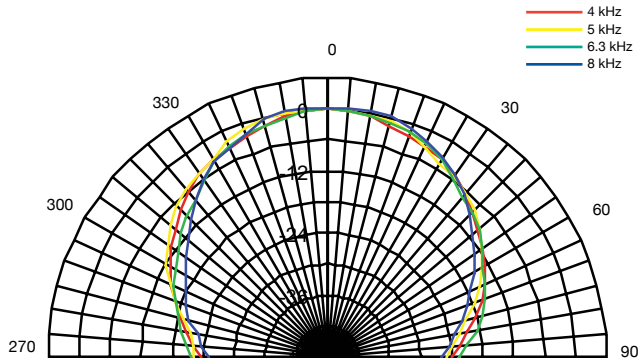
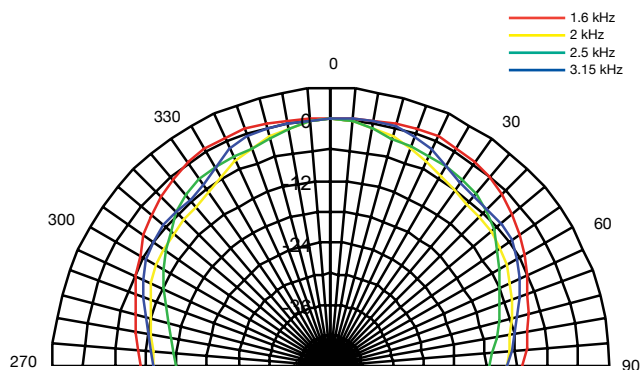
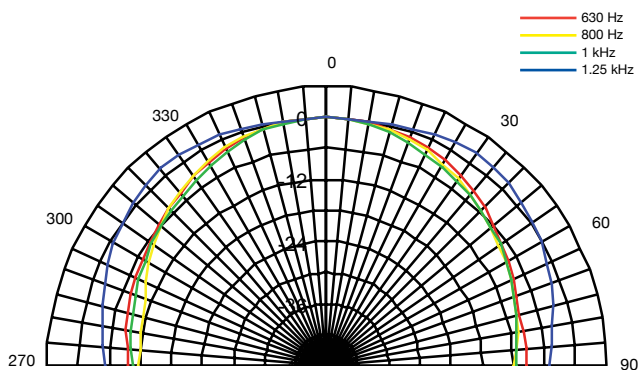
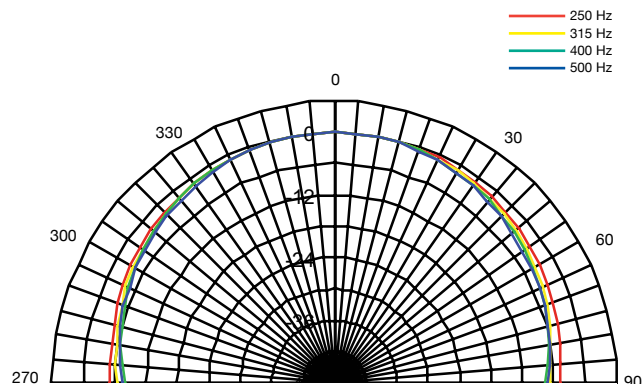
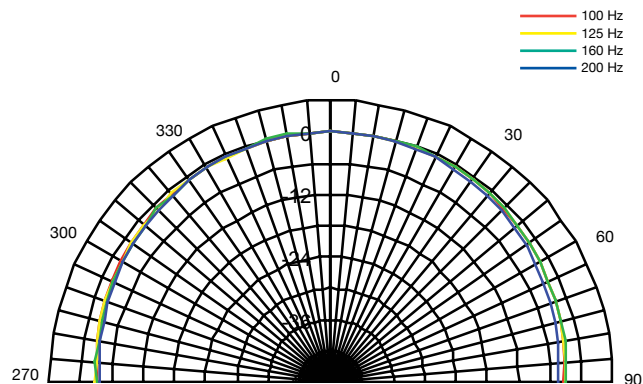
# VX 8M



# Technical Data Sheet

## Vertical Polar plots (1/3 octave)

# VX 8M



# Technical Data Sheet

## Specifications

# VX 8M

### Performance

<b>Frequency response (-3 dB) <sup>(1)</sup></b>	85 Hz - 35 kHz
<b>Frequency range (-10 dB) <sup>(1)</sup></b>	62 Hz - 45 kHz
<b>System sensitivity (1 W @ 1 m) <sup>(2)</sup></b>	92 dB (1 W = 2.83 V for 8 Ohms)
<b>Dispersion (degrees conical)</b>	90 degrees conical
<b>Driver Complement</b>	1 x 200 mm (8.00") constant directivity Dual Concentric
<b>Crossover</b>	Passive 1.7 kHz with dynamic HF protection
<b>Directivity Factor (Q)</b>	6.8 (averaged 1 kHz to 8 kHz)
<b>Directivity Index (DI)</b>	9.2 (averaged 1 kHz to 8 kHz)
<b>Power Handling</b>	
Average	130 W
Programme	260 W
Peak	520 W
<b>Recommended Amplifier Power</b>	260 W @ 8 ohms
<b>Nominal Impedance</b>	8 ohms
<b>Rated maximum SPL <sup>(2)</sup></b>	
Average	113 dB
Peak	119 dB

### Distortion

10% full power	Harmonics		
		2nd	3rd
	<b>250 Hz</b>	0.12%	0.15%
	<b>1 kHz</b>	0.23%	0.84%
	<b>10 kHz</b>	1.35%	0.16%
<b>1% full power</b>			
	<b>250 Hz</b>	0.16%	0.14%
	<b>1 kHz</b>	0.09%	0.53%
	<b>10 kHz</b>	0.53%	0.17%

### Physical

<b>Enclosure</b>	16.28 litre, 15 mm (0.62") birch plywood, vented and internally braced
<b>Finish</b>	Textured black or white with custom colours on request. Powder-coated perforated steel grille, Airnet cloth behind
<b>Connectors</b>	2 x speakON NL 4MP
<b>Fittings</b>	3 x M10 flying inserts (portrait mounting) 1 x Integrip carrying handle Integral Pole Mount for standard 35mm poles
<b>Dimensions (H x W x D)</b>	388 x 280 x 315.7 mm (15.3 x 11.0 x 12.4")
<b>Net Weight</b>	9 kg (19.8 lbs)
<b>Shipped Weight</b>	20 kg (44.1 lbs)
<b>Packed Quantity</b>	2

### Ordering Information

Part Number	Colour
<b>8001 8135</b> <b>VX 8M</b>	<b>Black</b>
<b>8001 8136</b> <b>VX 8M</b>	<b>White</b>



#### 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, CLF and Ease™ Data for VX 8M can be downloaded from [www.tannopro.com](http://www.tannopro.com).

Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods may introduce variations in actual performance; however, actual performance always will 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.

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# Technical Data Sheet

Notes

# VX 8M

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