TANNOY®

VX Series | VXP Series

Powered by LAB.GRUPPEN


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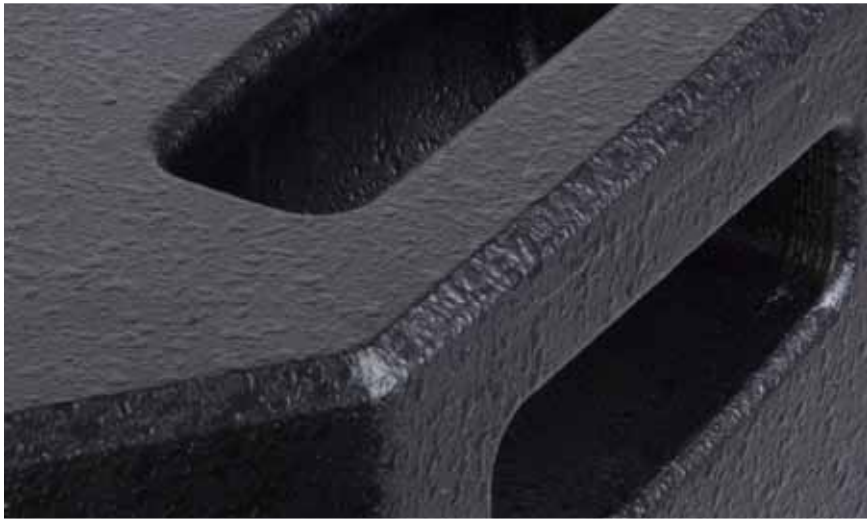


VXP Series
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Introducing the X Factor

Tannoy's renowned V Series defined a new standard in loudspeaker design when introduced to the market in 2002, quickly becoming an established favourite of contractors working in the installed sound market as well as proving to be a versatile portable AV and live sound loudspeaker. Now the bar is about to be raised by several notches. VX Series advances Tannoy loudspeaker development even further, setting new benchmarks in versatility and acoustic excellence. With an expanded range of enclosures and transducer compliments, the new VX Series combines next-generation Dual Concentric™ driver technology with smart, ergonomic, portable and install-friendly cabinet designs, enhanced build quality, and carefully thought-out functionality.

VX Series delivers that critical advantage. We call it the "X Factor".

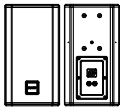
Power of partnership

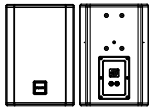
In addition to an expanded passive range, the "X Factor" extends into self-powered loudspeakers by integrating LAB.GRUPPEN amplification. The product of tour-honed design experience, the world renowned manufacturer's ultra-reliable amplifier technologies perfectly complement the acoustic excellence of Tannoy loudspeakers. The result is the all-new VXP Series: audible superiority in a self-powered box.

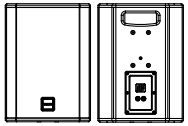
With VX Series and VXP Series loudspeakers, Tannoy raises the bar – yet again.

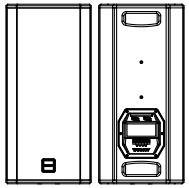
VX Series
Passive sound reinforcement

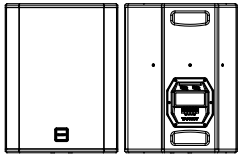
Conceived, engineered and built with precision in the United Kingdom, VX Series represents the latest evolution of Tannoy's core philosophies in professional loudspeaker design. With 10 passive models in the range, each with the company's acclaimed Dual Concentric point-source driver at their heart, VX delivers class-leading acoustic performance in an aesthetically refined and robust plywood enclosure. Each model is tailor-designed to satisfy specific applications, ranging from small format corporate AV to demanding high SPL nightclub and live sound reinforcement. Versatility within the range is assured with the introduction of brand new cabinet and transducer compliments. These include models with an additional driver for LF enhancement as well as HP (High Power handling) models and high-directivity Dual Concentric variants featuring Tannoy's innovative new Q-Centric Waveguide™ (QCW™).





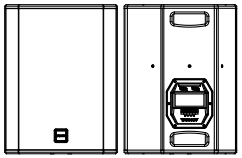


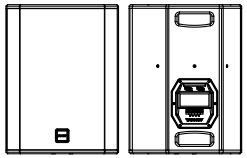


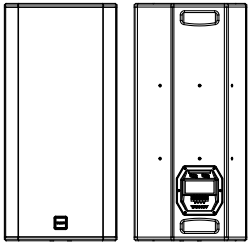


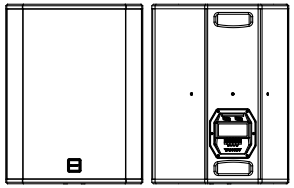
	VX 5.2	VX 6	VX 8	VX 8.2	VX 12
Driver Complement	125 mm (5") Dual Concentric 125 mm (5") Bass	150 mm (6") Dual Concentric -	200 mm (8") Dual Concentric -	200 mm (8") Dual Concentric 200 mm (8") Bass	305 mm (12") Dual Concentric -
Dispersion	120 x 90 degrees conical	90 degrees conical	90 degrees conical	90 degrees conical	90 degrees conical
Freq Range (-10 dB)	78 Hz - 30 kHz	75 Hz – 30 kHz	62 Hz – 30 kHz	57 Hz – 30 kHz	55 Hz – 30 kHz
Sensitivity (1 W @ 1 m)	90 dB	91 dB	92 dB	92 dB	97 dB
Rated Max SPL	111 dB (average) 117 dB (peak)	111 dB (average) 117 dB (peak)	113 dB (average) 119 dB (peak)	115 dB (average) 121 dB (peak)	120 dB (average) 126 dB (peak)
Rec Amp Power (Prog)	260 W @ 8 ohms	200 W @ 8 ohms	260 W @ 8 ohms	400 W @ 8 ohms	400 W @ 8 ohms
Power Handling (Average)	130 W	100 W	130 W	200 W	200 W
Dimensions (HxWxD)	333 mm x 180 mm x 200 mm (13.1" x 7.1" x 7.9")	333 mm x 225 mm x 215 mm (13.1" x 8.9" x 8.5")	388 mm x 280 mm x 275 mm (15.3" x 11.0" x 10.8")	590 mm x 280 mm x 275 mm (23.2" x 11.0" x 10.8")	486 mm x 370 mm x 360 mm (19.1" x 14.6" x 14.1")
Net Weight	5.0 kg (11.0 lbs)	5.5 kg (12.1 lbs)	8.5 kg (18.7 lbs)	15.5 kg (34.2 lbs)	17.0 kg (37.5 lbs)

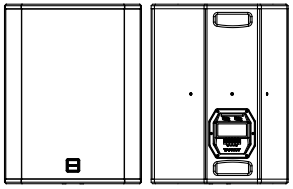
- 10 Dual Concentric driver equipped models to suit every potential application
- New QCW™ on Q models brings best of both worlds – true point source combined with new horn design, resulting in less unwanted shading effects and optimized horizontal dispersion.
- Versatile mounting options
- High efficiency and low distortion
- Rugged and compact birch plywood construction
- Integrip™ carrying points for portability
- Engineered and built in UK
- Five year loudspeaker warranty











	VX 12HP	VX 12Q	VX 12.2Q	VX 15HP	VX 15Q
Driver Complement	305 mm (12”) Dual Concentric PowerDual	305 mm (12”) Dual Concentric Q-Centric Waveguide	305 mm (12”) Dual Concentric QCW, 305 mm (12”) Bass	380 mm (15”) Dual Concentric PowerDual	380 mm (15”) Dual Concentric Q-Centric Waveguide
Dispersion	75 degrees conical	75 x 40 degrees	75 x 40 degrees	75 degrees conical	75 x 40 degrees
Freq Range (-10 dB)	60 Hz – 30 kHz	60 Hz – 30 kHz	54 Hz – 30 kHz	58 Hz – 30 kHz	58 Hz – 30 kHz
Sensitivity (1 W @ 1 m)	99 dB	99 dB	99 dB	100 dB	100 dB
Rated Max SPL	124 dB (average) 130 dB (peak)	124 dB (average) 130 dB (peak)	126 dB (average) 132 dB (peak)	126 dB (average) 132 dB (peak)	126 dB (average) 132 dB (peak)
Rec Amp Power (Prog)	700 W @ 8 ohms	700 W @ 8 ohms	1 kW @ 8 ohms	800 W @ 8 ohms	800 W @ 8 ohms
Power Handling (Average)	350 W	350 W	500 W	400 W	400 W
Dimensions (HxWxD)	486 mm x 370 mm x 360 mm (19.1” x 14.6” x 14.1”)	486 mm x 370 mm x 360 mm (19.1” x 14.6” x 14.1”)	780 mm x 370 mm x 360 mm (30.7” x 14.6” x 14.1”)	590 mm x 450 mm x 420 mm (23.2” x 17.7” x 16.5”)	590 mm x 450 mm x 420 mm (23.2” x 17.7” x 16.5”)
Net Weight	21.5 kg (47.4 lbs)	21.0 kg (46.3 lbs)	33.5 kg (73.9 lbs)	26.5 kg (58.4 lbs)	27.0 kg (59.5 lbs)

Precision components...

TANNOY

Point-source driver technology

At the heart of VX Series is the latest generation of Tannoy's acclaimed Dual Concentric driver. The term "Dual Concentric" is defined by Tannoy as a coincident point source, where the low frequency cone acts as a seamless, direct extension of the high frequency waveguide, yielding a constant directivity pattern with linear amplitude and phase response on both the horizontal and vertical axis. The high-frequency unit is positioned on the back of the low frequency driver so that they are effectively on the same axis. With this system the sound energy is propagated from the same point and delivered through the centre of the low frequency cone – a true point source. The Dual Concentric delivers a spherical Wave-front that ensures even dispersion in the horizontal and vertical planes, providing exceptional off-axis performance.

Discrete loudspeakers have an inherent design flaw in that each drive unit is an acoustic source of its own. While the components are physically aligned on the vertical axis they cannot remain so except for at one listening point. The constant directivity characteristic of the Tannoy Dual Concentric overcomes such time alignment problems and ensure that high sound pressure levels are delivered effortlessly with outstanding clarity, crystal clear intelligibility, definition and detail.

VX Series sees the debut of the new 12" and 15" Q models, featuring Tannoy's innovative Q-Centric Waveguide (QCW) allowing for more specific constant directivity pattern control in either axis (can be rotated 90 degrees as required) to suit specific installation or live situations.

Robust refinement, unmatched versatility

VX Series introduces a brand new cabinet design, featuring double-chamfered edges for aesthetic refinement and an innovative new Integrip handle ergonomically integrated into all but the two smallest enclosures, making one-hand or two-handed lifting of even the largest models easy – ideal for portable PA applications. Each cabinet benefits from a range of fixed-install and portable mounting points as well as sleek profile road-ready powder-coated steel grille and flush inset rear panels. The passive devices benefit from both connector strip and NL4 speakON while, in the case of VXP Series, Lab.gruppen's new IntelliDrive Energy Efficient Amplifier™ (IDEEA™) module features XLR connectors for input and link and powerCON mains inlet.

...working together as one

LAB.GRUPPEN

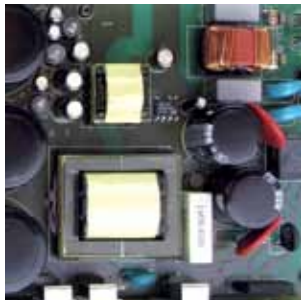
Rock-solid power package

Lab.gruppen amplifiers have earned an enviable worldwide reputation for sonic excellence and rock-solid durability in both touring sound and demanding high-end installed sound applications. These same qualities are now available fully integrated into the new VX loudspeaker line in the form of the self-powered VXP Series. By offering an attractive combination of operating efficiency, high-quality audio and reliability, the new VXP Series amplifier package delivers convincing performance and cost-saving advantages.

The perfectly matched Lab.gruppen IDEEA power modules are designed to handle the demands of fixed installation audio, with the inherent extended duty cycles of around-the-clock operation and very high performance demands, while offering the durability, unmatched power output and clarity required by portable applications. To ensure a long and trouble-free service life, IDEEA modules incorporate extensive features to safeguard internal circuits and driver compliment.

At the heart of the IDEEA module is a patented Class D output stage capable of sustained high power levels with very low distortion – all with near 90% efficiency. A universal switching power supply accepts any mains voltage from 70 – 265V (+/- 10%) at 50 Hz or 60 Hz through the appropriate IEC cord. The power control selector supports two operational modes. In Auto mode, the speaker turns on with signal present and turns off after 20 minutes of no input. (This complies with international energy saving standards, minimizing power consumption should the operator forget to turn off the speaker.) The manual control mode allows the speaker to be turned on and off as required. Also provided is a switchable 90 Hz high-pass filter for use when adding a subwoofer.

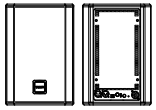
This precision engineered combination of electronics, transducer and cabinet acoustics gives system designers and audio technicians the sort of reliable class-leading performance in a self-powered loudspeaker that others can only aspire to.



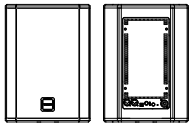
VXP Series
Powered sound reinforcement

Many applications, across both fixed installation and portable, are better addressed with a self-powered loudspeaker solution. Increasingly in some sectors, the powered speaker has become the norm for audio professionals as the simplicity and scalability of these systems is the big draw, especially in the portable PA and corporate AV markets where ease of setup and operation is paramount. After all, what could be easier than just connecting the output of your mixer directly to the speaker and turning everything on? In addition, fixed installation is simplified, with no need for space consuming racks of external amplification and outboard processing. Setup is faster because fewer components need to be connected and commissioned, delivering vital cost efficiencies.

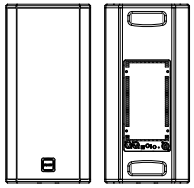
Each VXP Series loudspeaker benefits from Lab.gruppen's new IntelliDrive Energy Efficient Amplifier module, bringing ultra reliable and perfectly matched power to the equation for audible superiority in a self-powered box.



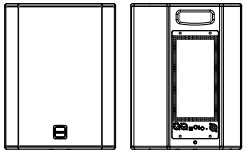
	VXP 6
Driver Complement	150 mm (6") Dual Concentric -
Dispersion	90 degrees conical
Freq Range (-10 dB)	75 Hz – 30 kHz
Rated Max SPL	111 dB (average) 117 dB (peak)
Standby Power	<0.5 W
Idle Power	10 W
Operating Voltage	70-265 V
Dimensions (HxWxD)	333 mm x 225 mm x 215 mm (13.1" x 8.9" x 8.5")
Net Weight	7.0 kg (15.4 lbs)



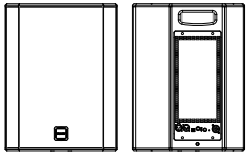
	VXP 8
Driver Complement	200 mm (8") Dual Concentric -
Dispersion	90 degrees conical
Freq Range (-10 dB)	62 Hz – 30 kHz
Rated Max SPL	113 dB (average) 119 dB (peak)
Standby Power	<0.5 W
Idle Power	10 W
Operating Voltage	70-265 V
Dimensions (HxWxD)	388 mm x 280 mm x 275 mm (15.3" x 11.0" x 10.8")
Net Weight	10.0 kg (22.0 lbs)



	VXP 8.2
Driver Complement	200 mm (8") Dual Concentric 200 mm (8") Bass
Dispersion	90 degrees conical
Freq Range (-10 dB)	57 Hz – 30 kHz
Rated Max SPL	115 dB (average) 121 dB (peak)
Standby Power	<0.5 W
Idle Power	10 W
Operating Voltage	70-265 V
Dimensions (HxWxD)	590 mm x 280 mm x 275 mm (23.2" x 11.0" x 10.8")
Net Weight	17.5 kg (38.6 lbs)

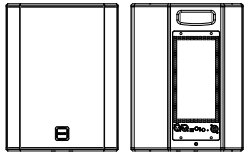


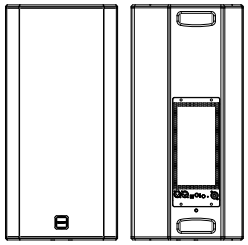
	VXP 12
Driver Complement	305 mm (12") Dual Concentric -
Dispersion	90 degrees conical
Freq Range (-10 dB)	55 Hz – 30 kHz
Rated Max SPL	120 dB (average) 126 dB (peak)
Standby Power	<0.5 W
Idle Power	10 W
Operating Voltage	70-265 V
Dimensions (HxWxD)	486 mm x 370 mm x 360 mm (19.1" x 14.6" x 14.1")
Net Weight	19.0 kg (41.9 lbs)

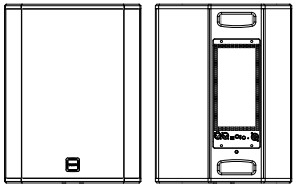


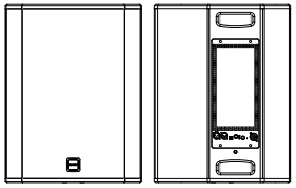
	VXP 12HP
Driver Complement	305 mm (12") Dual Concentric PowerDual
Dispersion	75 degrees conical
Freq Range (-10 dB)	60 Hz – 30 kHz
Rated Max SPL	124 dB (average) 130 dB (peak)
Standby Power	<0.5 W
Idle Power	10 W
Operating Voltage	70-265 V
Dimensions (HxWxD)	486 mm x 370 mm x 360 mm (19.1" x 14.6" x 14.1")
Net Weight	23.5 kg (51.8 lbs)

- 9 Dual Concentric driver equipped models to suit every potential application
- New QCW on Q models brings best of both worlds – true point source combined with new horn design, resulting in less unwanted shading effects and optimized horizontal dispersion.
- Integrated Lab.gruppen IntelliDrive Energy Efficient Amplifier IDEEA™ electronics providing ultra-reliable Class D amplification
- Versatile mounting options
- High efficiency and low distortion
- Rugged and compact birch plywood construction
- Integrip carrying points for portability
- XLR Input and Link, PowerCON mains (included)









	VXP 12Q	VXP 12.2Q	VXP 15HP	VXP 15Q
Driver Complement	305 mm (12”) Dual Concentric Q-Centric Waveguide	305 mm (12”) Dual Concentric QCW, 305 mm (12”) Bass	380 mm (15”) Dual Concentric PowerDual	380 mm (15”) Dual Concentric Q-Centric Waveguide
Dispersion	75 x 40 degrees	75 x 40 degrees	75 degrees conical	75 x 40 degrees
Freq Range (-10 dB)	60 Hz – 30 kHz	54 Hz – 30 kHz	58 Hz – 30 kHz	58 Hz – 30 kHz
Rated Max SPL	124 dB (average) 130 dB (peak)	126 dB (average) 132 dB (peak)	126 dB (average) 132 dB (peak)	126 dB (average) 132 dB (peak)
Standby Power	<0.5 W	<0.5 W	<0.5 W	<0.5 W
Idle Power	10 W	10 W	10 W	10 W
Operating Voltage	70-265 V	70-265 V	70-265 V	70-265 V
Dimensions (HxWxD)	486 mm x 370 mm x 360 mm (19.1” x 14.6” x 14.1”)	780 mm x 370 mm x 360 mm (30.7” x 14.6” x 14.1”)	590 mm x 450 mm x 420 mm (23.2” x 17.7” x 16.5”)	590 mm x 450 mm x 420 mm (23.2” x 17.7” x 16.5”)
Net Weight	23.0 kg (50.7 lbs)	35.0 kg (77.2 lbs)	29.0 kg (63.9 lbs)	29.0 kg (63.9 lbs)

Extreme versatility

Flexible performer

Building on the competitive advantage of its predecessor, VX Series takes versatility and practicality to new levels in the expanded model line-up, with a more refined aesthetic. The addition of twin-driver models in the shape of the VX 5.2, VX 8.2 and VX 12.2Q offer greater flexibility for the system designer or engineer when wider dispersion patterns are required such as in theatre and auditoria in-fills or stage floor monitor applications. New HP (High Power handling) and Q (featuring Q-Centric Waveguide) models on the 12" and 15" devices further augment this degree of versatility

Typical 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

Durable finish

Every VX Series cabinet is coated in a durable spatter effect paint finish – available in black or white as standard, with colour-matched grille assembly and mounting hardware. Custom specified RAL colours are available to perfectly match those demanding aesthetically sensitive installations (lead-time and minimum order quantities apply).

Optional Weather Protected specification

VX Series is available in an optional high performance Weather Protected (WP) specification – with weatherised impact-resistant enclosures suitable for use in covered (semi-exposed) outdoor fixed installation sound reinforcement applications as well as being suited for temporary/portable outdoor live PA and monitoring use. Weather Protected specification is available on VX Series (passive) only and is subject to additional lead time on delivery.

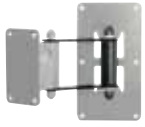
- Transducers are treated to be weather protected as standard.
- Enclosures are coated with Line-X™ paint finish and are internally sealed.
- All metal hardware has been upgraded to corrosion resistant, high quality, reliable stainless steel material.
- Grilles are manufactured using an industry recognised 'marine' grade stainless steel for cosmetic perfection and lined with AirNet™ material to prevent water and dust ingress.
- Input panel is protected by a cover plate fitted with a weatherproof cable gland

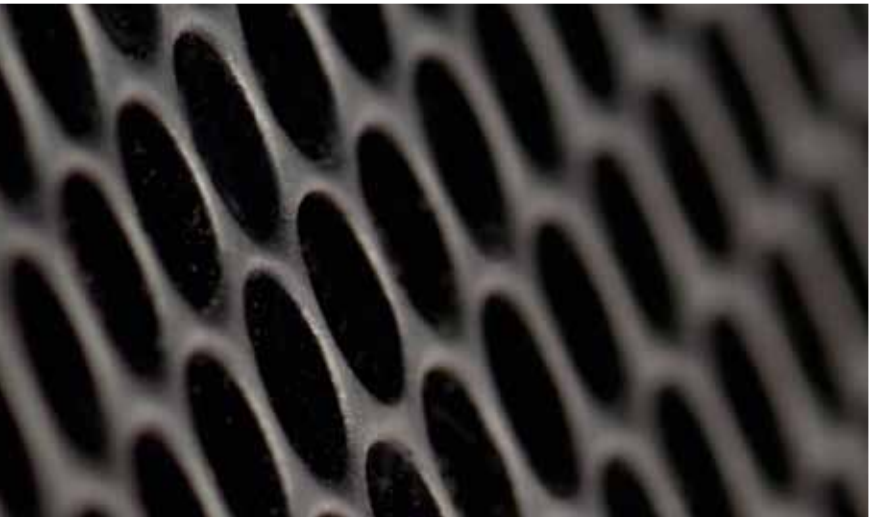
Mounting options & flyware

An extensive range of high performance hardware is available, custom designed for VX Series. This includes wall and ceiling mounting brackets and yokes for each model in the Series as well as additional mounting accessories to allow for pole-mounting and flying via eye-bolts. All hardware has been tested and certified to guarantee a safety ratio of 10:1 for flying brackets and 5:1 safety ratio for wall brackets, giving installers complete peace of mind and security in the rating of the mounting hardware.

Thanks to the asymmetric cabinet profile of the larger VX Series (and VXP Series) enclosures, the 12" and 15" devices can be used as floor monitor, oriented at a variety of angles to suit the performance parameters. All devices (except VX 5.2 – (except VX 5.2 – dedicated fitment separate) have a removable plate on the underside to allow the fitting of a pole mount option – making VX a serious performer for situations such as portable House of Worship PA or live DJ performance monitoring.







The Berkeley Suite, GLASGOW

6483 1138 / 1111

Tannoy (Direct UK)	T: 00 44 (0) 1236 420199	E: enquiries@tannoy.com
TCGI (ROW sales)	T: 00 45 8742 7000	E: info@tcgroup-international.com
TCGA (Americas sales)	T: 00 1 (519) 745 1158	E: info@tcgroup-americas.com
Tannoy Middle East	T: 00 971 (04) 4401208	E: enquiries@tannoy.com

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