



Product description

Designed to extend the low frequency response and increase the headroom of Tannoy VNET full range loudspeakers, the high power Tannoy VSXNET 12.2 BP is a compact, versatile bandpass design with leading edge digital signal processing, network control and dual channel Class D amplifier technologies; all fully integrated to create a versatile networkable sound reinforcement subwoofer. The new VSXNET subwoofers are designed to extend low frequency response and increase system headroom when installed alongside other Tannoy VNET products (specifically QFlex, VXNET or VQNET).

The VSXNET 12.2BP utilises a pair of high efficiency 300 mm (12") drive units mounted in a compact and sturdy, black or white painted plywood cabinet. The low-profile of the enclosure design also allows for more discrete placement than would normally be possible for a device of this output level and performance, for instance unobtrusively incorporated into fixed furnishings.

The VSXNET 12.2BP benefits from Tannoy's latest subwoofer design philosophies, optimizing tonal balance and harmonic output through precisely engineered enclosure geometry and innovative transducer design; ensures well-defined low frequency reinforcement at high sound pressure levels, with extremely low distortion and power compression.

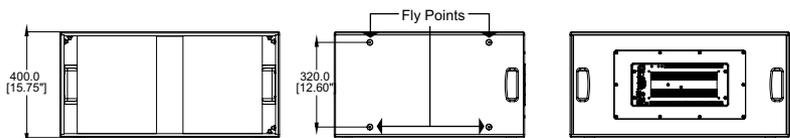
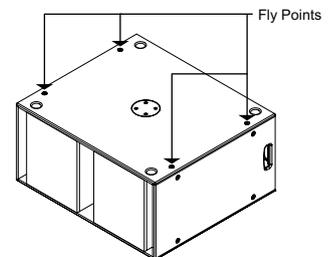
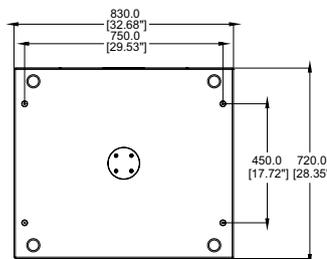
Features

- VNET power module for flexible use and integration with VNET networked installations
- Twin 300 mm (12") drive units mounted in band-pass configuration
- High performance LF driver design delivering exceptional bass response
- Low-profile, high output design delivering similar low frequency reinforcement to that of a standard 15" or 18" device
- New band-pass design delivers higher output, power distortion and greater reliability
- Recessed Integrip handles for ease of handling
- Recessed pole-mount locations for use in portable PA applications
- Rugged plywood construction finished with textured black or white paint

Featuring a rugged and durable birch ply enclosure with ergonomic Integrip™ carry handles, the VSXNET 12.2BP is a highly flexible subwoofer. As well as fixed install, VSXNET 12.2BP can easily be coupled with VX Series and VXP Series and VLS Series column loudspeakers for portable PA applications thanks to an integrated pole-mount recess and the optional VTH pole mount.

Physical data

Dimensions HxWxD:	400 mm x 830 mm x 720 mm, (15.7" x 32.7" x 28.3")
Weight:	45 kg (99 lbs)
Enclosure:	188 litres, 18 mm birch plywood, internally braced
Finish:	Textured black or white paint (custom colours on request) Powder coated perforated steel grille



Applications

- Night club or bar system
- Transportation hubs
- Performing arts spaces
- Live sound reinforcement
- Sports arenas
- Visitor attractions
- High output retail (eg. fashion stores)
- Portable AV/PA
- Multimedia installations (eg. museums, galleries)
- Theme parks
- Auditoria
- Movie theatres
- Houses of Worship

Technical Data Sheet

Specifications

VSXNET 12.2BP

Performance

System type	Band-Pass Subwoofer
Frequency response (-3 dB) ⁽¹⁾	40 Hz - 160 Hz
Frequency range (-10 dB) ⁽¹⁾	35 Hz - 200 Hz
Rated maximum SPL ⁽²⁾	
Average	129 dB
Peak	135 dB
Driver complement	2 x 300 mm (12") Bass drivers
Crossover (DSP Generated)	Fixed, Internal High-pass filter - 38 Hz, 24 dB / octave Variable low pass filter

Distortion

10% full power (28.3 V)	Harmonics		
	50 Hz	2nd	3rd
	50 Hz	1.38%	0.62%
	100 Hz	1.29%	0.14%
1% full power (8.9 V)	50 Hz	0.32%	0.18%
	100 Hz	0.29%	0.16%

Construction

Enclosure	188 litres, 18 mm (5/8") birch plywood, internally braced
Finish	Textured black or white paint (custom colours on request) Powder coated perforated steel grille
Connectors	1 x female XLR (input) 1 x male XLR (link) 1 x RJ45 (network in) 1 x RJ45 (network link) 1 x Neutrik Powercon
Controls & Indicators	LED on front of cabinet behind grille (wink indicator for locating & assigning) Power LED (blue) Signal LED (green) Limit LED (red) User DSP - defeat switch Power Switch
Fittings	12 x M10 Flying inserts (portrait or landscape mounting) 2 x Integrip carrying handles Blanking plate for optional VTH pole mount
Dimensions	H: 400 mm (15.7") W: 830 mm (32.7") D: 720 mm (28.3")
Weight	45 kg (99 lbs)

Electronics

Efficiency	> 85% typically
Damping Factor	120 ref 8 Ω
Distortion	< 0.05% @ 1 kHz -3 dB output (22 kHz bandwidth)
Input Impedance	5.6 k Ω unbalanced, 11.2 k Ω balanced
Output Power (Programme)	1200 W
Input Sensitivity	1.4 V (+5.5 dBu)
System Type	Dual channel Class D (Bridged)

DSP system

Comms Facilities	Firmware updatable and selected parameters editable
Communications	Serial - RS485 Proprietary message format
Dynamic Range	112 dB (A) typical
DSP	3rd generation SHARC
Sampling Frequency	96 kHz 24 bit A/D - D/A word length
Format	1 IN = 1 OUT

PSU Specifications

Input Connector	Locking Neutrik Powercon
Voltage Selection	Automatic (115 / 230 V, 45 - 65 Hz)
Type	High current, high freq. switch-mode
Efficiency	> 90% typical
Input voltage	100 V / 115 V / 230 V nominal +/- 10%
Mains fuse	External
Fuse type	T10AT
Other features	Automatic soft-start

Notes:

1. Average over stated bandwidth, measured at 1 metre on axis.
2. Unweighted pink noise input, measured at 1 metre in half space.

A full range of measurements, performance data, and Ease™ Data can be downloaded from www.tannoypro.com

New materials or manufacturing methods introduced through Tannoy's policy of continuous research and development may result in variances; however, performance will meet or exceed published specifications, which Tannoy reserves the right to alter without prior notice.

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Ordering Information

Part Number	Colour
8001 7850	Black
8001 7851	White

