

Product description

The Tannoy VSX 12.2BP is a low profile, high impact, powerful band-pass subwoofer, designed to extend low frequency response and increase system headroom in conjunction with Tannoy VX and VXP Series full range loudspeakers, as well as offering a highly potent low frequency device for use with many of Tannoy's other systems, such as VLS Series or DVS Series.



The VSX 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 VSX 12.2BP benefits from Tannoy's latest subwoofer design philosophies, optimising 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.

Featuring a rugged and durable birch ply enclosure, with ergonomic Integrip™ carry handles and integrated, recessed termination panels with NL4 speakON and barrier strip connections for ease-of-install, the VSX 12.2BP is a highly flexible subwoofer. As well as fixed install, VSX 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.

Features

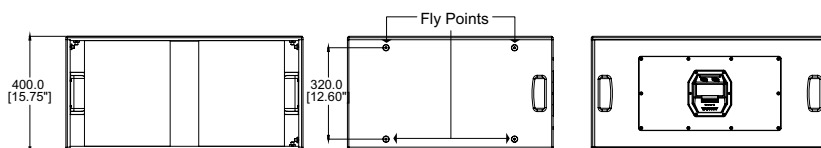
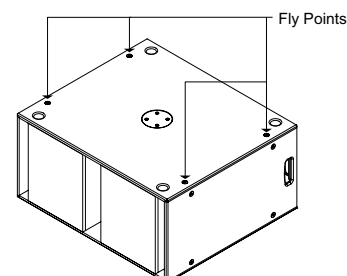
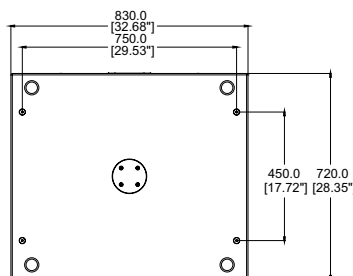
- Twin 300 mm (12") drive units mounted in band-pass configuration
- High performance LF driver design delivering exceptional bass response
- Low-profile, high output design delivering similar low frequency reinforcement to that of a standard 15" or 18" device
- New band-pass design delivers higher output,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

Physical data

Dimensions HxWxD:	400 mm x 830 mm x 720 mm, (15.7" x 32.7" x 28.3")
Weight:	40.5 kg (89.3 lbs)
Enclosure:	194 litres, 15 mm birch plywood, internally braced
Finish:	Textured black or white paint (custom colours on request)

Applications

- Night club or bar system
- Transportation hubs
- Performing arts spaces
- Stage front installation
- High output retail (eg. fashion stores)
- Portable AV/PA
- Multimedia installations (eg. museums, galleries)
- Theme parks
- Auditoria



Technical Data Sheet

Specifications

VSX 12.2BP

Performance

System type	Band-pass subwoofer
Frequency response (-3 dB) ⁽¹⁾	40 Hz - 160 Hz
Frequency response (-10 dB) ⁽¹⁾	35 Hz - 200 Hz
System sensitivity (1 W @ 1 m) ⁽²⁾	100 dB (1 W = 2 V for 4 ohms)

Power Handling

Average ⁽²⁾	800 W
Programme	1600 W
Peak	3200 W
Recommended amplifier power	1600 W @ 4 ohms

Rated maximum SPL ⁽²⁾

Average	129 dB
Peak	135 dB
Nominal impedance	4 ohms
Driver complement	2 x 300 mm (12") bass drivers
Recommended crossover	80 Hz - 150 Hz, 24 dB / octave
	Recommended high-pass filter 38 Hz, 24 dB / octave

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	194 litres, 15 mm birch plywood, internally braced
Finish	Textured black or white paint (custom colours on request)
Connectors	2 x speakON NL4MP and barrier strip
Fittings	12 x M10 flying inserts (portrait or landscape mounting) 2 x Integrip carrying handles

Physical

Dimensions HxWxD	400 mm x 830 mm x 720 mm, (15.7" x 32.7" x 28.3")
Packed quantity	1
Net weight	40.5 kg (89.3 lbs)
Shipped weight	46 kg (101.4 lbs)

Ordering Information

Part Number	Colour
8001 7140	Black
8001 7141	White



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.tannoy.com/pro

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.

Copyright (c) 2015 Tannoy Limited. All rights reserved.