



Product description

The Tannoy VSX 18DR is a high power handling direct radiating 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 18DR utilises a single high efficiency 457 mm (18") drive unit mounted in a compact and sturdy, black or white painted plywood cabinet which is constructed from 18 mm (0.71") multi-ply birch hardwood. This heavy-duty construction ensures it is designed to survive the punishment that speaker systems are subjected to on the road and in club installations.

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 18DR is a highly flexible subwoofer. As well as fixed install, VSX 18DR can easily be coupled with VX Series and VXP Series and VLS Series column loudspeakers for portable/live PA applications thanks to an integrated pole-mount recess and the optional VTH pole mount.

The versatility and impressive performance of this subwoofer make it ideal for applications such as live sound reinforcement, nightclub sub bass, theatre front of house and effects, movie theatres and cinemas, side fill in large scale music reinforcement, theme parks and leisure venues, sports and multi-use stadiums, audio visual, high quality public address and houses of worship.

Features

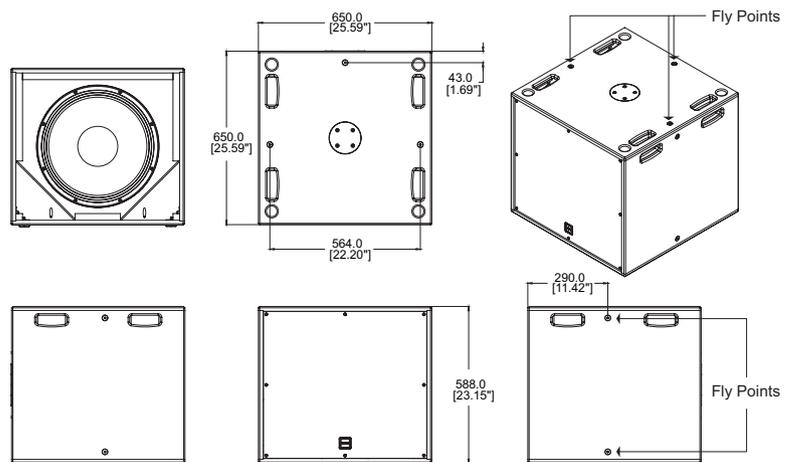
- 457 mm (18") drive unit mounted in direct radiating configuration
- High performance LF driver design delivering exceptional bass response
- Recessed Integrip handles for ease of handling
- Recessed termination panels for flush mounting of connectors
- Recessed pole-mount locations for use in portable PA applications
- Rugged plywood construction finished with textured black or white paint
- Improved aspect ratio, deeper volume, more compact front

Applications

- Night club or high performance bar system
- Performing arts spaces
- High output retail (eg. fashion stores)
- Live sound reinforcement
- Sports arenas
- Visitor attractions
- Auditoria

Physical data

Dimensions HxWxD:	588 mm x 650 mm x 650 mm, (23.1" x 25.6" x 25.6")
Weight:	45 kg (99.2 lbs)
Enclosure:	206 litres, 18 mm birch plywood, internally braced
Finish:	Textured black or white paint (custom colours on request) Powder coated perforated steel grille, Airnet cloth behind



Technical Data Sheet

Specifications

VSX 18DR

Performance

System type	Direct radiating subwoofer
Frequency response (-3 dB) ⁽¹⁾	40 Hz - 3 kHz
Frequency response (-10 dB) ⁽¹⁾	32 Hz - 4 kHz
System sensitivity (1 W @ 1 m) ⁽²⁾	99 dB (1 W = 2.83 V for 8 ohms)

Power Handling

Average ⁽²⁾	1000 W
Programme	2000 W
Peak	4000 W
Recommended amplifier power	2000 W @ 8 ohms

Rated maximum SPL ⁽²⁾

Average	129 dB
Peak	135 dB
Nominal impedance	8 ohms
Driver complement	1 x 460 mm (18") bass driver
Recommended crossover	80 Hz - 300 Hz, 24 dB / octave
	Recommended high-pass filter 35 Hz, 24 dB / octave

Distortion

10% full power (28.3 V)	Harmonics		
	50 Hz	2nd	3rd
	50 Hz	1.11%	0.48%
	100 Hz	0.41%	0.44%
1% full power (8.9 V)	50 Hz	0.37%	0.93%
	100 Hz	0.11%	0.15%

Construction

Enclosure	206 litres, 18 mm birch plywood, internally braced
Finish	Textured black or white paint (custom colours on request) Powder coated perforated steel grille, Airmet cloth behind
Connectors	2 x speakON NL4MP and barrier strip
Fittings	12 x M10 flying inserts (portrait or landscape mounting) 4 x Integrip carrying handle

Physical

Dimensions HxWxD	588 mm x 650 mm x 650 mm, (23.1" x 25.6" x 25.6")
Packed quantity	1
Net weight	45 kg (99.2 lbs)
Shipped weight	51 kg (112.4 lbs)

Ordering Information

Part Number	Colour
8001 7130	Black
8001 7131	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

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