



# VS 15DR

TANNOY®



## Product Description

The VS 15DR satisfies a specific requirement for applications where an installed VQ Series system needs to deliver more low-frequency response than is possible with simply the 2 x 12" LF element of a full range VQ Series enclosure on its own, or by using VQ MB devices within a modular system. Examples of such applications would be nightclub dancefloors, corporate AV applications, performance art theatres or auditoria where the clarity and headroom of a VQ system may be desired without needing to be driven to such an extent that large scale subwoofers would be required.

A single direct radiating 15" low frequency transducer offers high power handling capability and extended low frequency response (down to 50Hz) from this given form factor. With high efficiency (100dB 1W@1m) and with a sustained output of 130dB, the VS 15DR shares the same modular enclosure format as the other VQ Series modules including the VQ MH, allowing the systems designer to create tightly packed arrays or clusters including the use of multiple bass devices for improved vertical pattern control at low frequencies.

An appropriately configured external processor, such as the SC1 can extend LF response and safeguard against cone excursion damage while integrating the subwoofer with VQ systems

The VS 15DR is part of an expanding line up of VQ Series products, addressing the requirement for compact dimensions without compromising performance in any way.

## Features

- Designed to extend the low frequency response of VQ full range systems
- Alleviates the need for large format ground-stacked subwoofer enclosures in many instances
- Modular enclosure for integration with other VQ Series devices to form compact full-range systems or larger scale flown arrays
- High sensitivity, therefore high SPL's can be achieved with a modest amount of amplifier power

## Applications

- Theatres
- Auditoria
- School Assembly Halls
- Sports Arenas / Stadia
- Large Corporate AV

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## TECHNICAL SPECIFICATIONS

### System

Bass loudspeaker - Direct radiator

**Frequency Response (-3dB) <sup>(1)</sup>** 50Hz - 3500Hz

**Frequency Range (-10dB) <sup>(1)</sup>** 38Hz - 4500Hz

**System Sensitivity (1W @1m) <sup>(2)</sup>** 100dB (1W = 2.83V for 8 Ohms)

### Power Handling

Average 1000W  
Programme 2000W  
Peak 4000W

**Rec Amplifier Power** 1200 - 2000 Watt / 8 Ohms

**Rated Maximum SPL <sup>(2)</sup>** 130dB (average) 136dB (peak)

**Nominal Impedance** 8 Ohms

**Driver Complement** 380mm (15") Bass driver

**Recommended Crossover** 90Hz - 500Hz, 24dB/octave)  
Recommended High-pass filter  
35Hz, 24dB/octave

**Nominal Impedance** 8 Ohms

### Distortion

10% Full Power (28.3V)	2nd Harmonic	3rd Harmonic
40Hz	1.42%	1.83%
100Hz	0.40%	0.33%

1% Full Power (8.94V)	2nd Harmonic	3rd Harmonic
40Hz	0.68%	2.20%
100Hz	0.09%	0.32%

### 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](http://www.tannoy.com)

Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods will always equal or exceed the published specifications, which Tannoy reserves the right to alter without prior notification

### Construction

**Enclosure** 89.9 litres, 18mm (5/8") birch plywood internally braced.

**Finish** Textured black or white paint (custom colours on request).

**Connectors** Speakon NL4MPR IN/OUT and Barrier strip terminals

**Fittings** 2 x Recessed carrying handles  
12 x M10 flying inserts.  
4 x Rubber feet

**Dimensions (HxWxD)** 510mm x 694mm x 515mm  
20.08" x 27.32" x 20.28"

**Weight** 36kg (79.2 lbs) net  
40kg (88.1 lbs) shipping

### Ordering Information

PART NUMBER	MODEL NAME	COLOUR	PACKED QUANTITY
8001 5650	VS 15DR	BLACK	1
8001 5651	VS 15DR	WHITE	1

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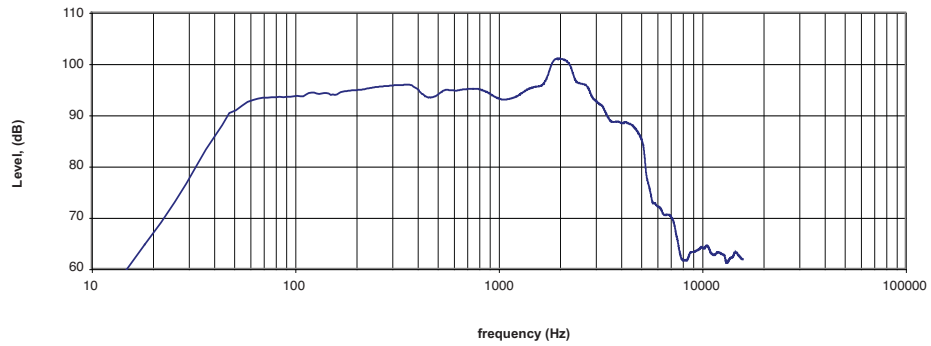


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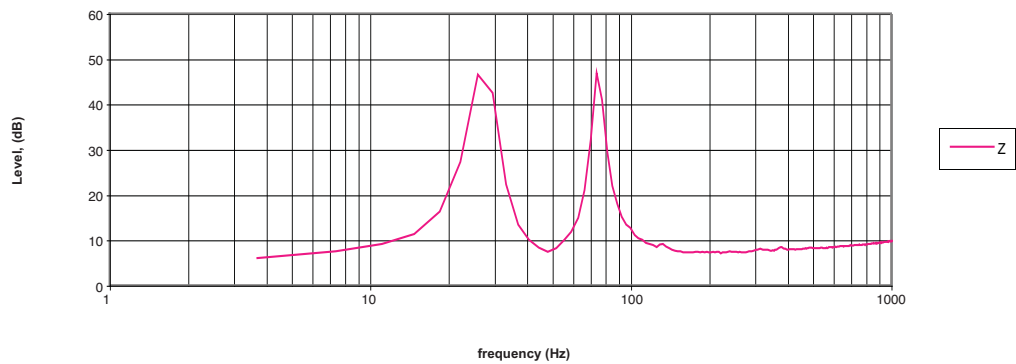
## PERFORMANCE MEASUREMENTS

Frequency Response



ANECHOIC  
FREQUENCY  
RESPONSE

Frequency Response - Horizontal Off-axis



HORIZONTAL  
OFF AXIS  
RESPONSE

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