

DVS 15

FEATURES

- DVS series high efficiency wide-range loudspeaker enclosure: 2-way system with built-in passive crossover.
- 15" Reflex-loaded woofer and compression driver with titanium diaphragm; horn with controlled directivity and wide dispersion (85° x 66° from 500 to 10,000 Hz).
- Trapezoidal cabinet with flying hardware on all panels to meet a wide range of mounting and flying requirements for fixed applications. Receptacle for fitting support stand.
- Built in birch plywood with water-resistant phenolic glue.
- Waterproof scratch-resistant black paint finish.
- Filter bypass facility enables biamping, ensuring even better performance.
- High SPL (131 dB peak SPL@ 1 m) from an ultra-compact format

APPLICATIONS

- Applications with groups and bands. Near-field stage monitor for musical instruments and vocals. Acoustic drum monitor, used with dedicated DVS 115 SW (DVS series) subwoofer. Club and dance venues, used with a subwoofer or low frequency unit for backup. High quality sound reinforcement in gyms, aerobic/fitness centres etc. Even wider high-dynamic application possibilities if used together with the dedicated DVS 115 SW subwoofer.

DESCRIPTION

DVS 15 is a compact 2-way wide-range loudspeaker system with passive low-loss crossover and built-in overload protection.

It comprises a 38cm woofer for low and mid frequencies with a 76mm copper coil and a compression driver, fitted with protection (in series) against incorrect connection. 65mm titanium diaphragm with a 36mm throat for high frequencies, loaded with a controlled directivity wide dispersion horn. The enclosure can be mounted on an optional tripod stand, flown from the ceiling and/or positioned on the floor as a stage monitor.

The low frequency loading is of the phase inversion type, with a tuned enclosure.

The system's uniform directivity from 500Hz to 4kHz has an average dispersion of 87° horizontal and 79° vertical and average wide-range sound coverage from 500 Hz to 10 KHz is 85° horizontal and 66° vertical.

The acoustic reproduced bandwidth is 43 Hz to 20 kHz at -10 dB.

The frequency response of the complete system is +/-3dB from 65 Hz to 18 kHz. Flown in free-field it has high average wide-range sensitivity, producing 99 dB SPL 1W/1m, (131dB SPL peak).

The maximum allowed power is 400 Watt AES (1600 peak).

The enclosure cabinet has a trapezoidal shape and is built by high quality 15 mm. Baltic phenolic glued plywood while the outer finish is in scratch-resistant, waterproof black paint.

Filter bypass facility enables biamping, ensuring even better performance.

The cabinet has twelve M8 threaded mounting points to facilitate both vertical and horizontal flying by means of the appropriate optional hardware. The bottom of the cabinet has a M20 threaded steel receptacle, for fitting an optional tubular support or tripod stand; practical integral side handles ensure a safe grip under all conditions. The perforated steel grille on the front of the enclosure is sound-transparent and has a weather-resistant black paint finish.



TECHNICAL SPECIFICATIONS:

FREQUENCY RESPONSE	(-10 dB) (±3 dB)	43Hz - 20kHz 65Hz - 18kHz
AVERAGE DISPERSION	>5 kHz	80° x 36° (HxV)
IMPEDANCE (Ohms)	Tot (min)	8 (7 @ 166Hz)
MAX SENSITIVITY (dB SPL 1W 1m)		99 (Free-field) 102 (Half-space bass only)
POWER - WATTS AES	Cont. 400	Peak 1600
MAX OUTPUT LEVEL (calculated)	Cont.	Peak 125 131 (Free-field)

CONNECTORS	2xNL4 Speakon in parallel: LF /HF Pin 1+ pos ; Pin 1- neg Filter bypass facility enables biamping, ensuring even better performance.
LOUDSPEAKERS AND LOADING	LF: 1x15" Vented high-pass box HF: 1x1.41" throat (3" titanium diaphragm), horn-loaded
WEIGHT (KG)	Net (gross) 27.5 (30)
DIMENSIONS (CM)	Height (with packing) Width (with packing) Depth (with packing) 70 (75) 42.5 (47.5) 41(45)

DVS SERIES