

DVS 10

FEATURES

- DVS series high efficiency wide-range loudspeaker enclosure: 2-way system with passive crossover.
- Reflex-loaded 10" woofer and compression driver with titanium diaphragm; horn with controlled directivity and wide dispersion (100° x 100° from 500 to 10000 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.
- High SPL (124.5 dB peak SPL@ 1 m) from ultra-compact dimensions.



APPLICATIONS

- Applications with groups and bands. Near-field stage monitoring for musical instruments and vocals. Acoustic drum monitoring with a dedicated DVS 115/118 SW subwoofers. 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 115/118 SW subwoofers.

DESCRIPTION

DVS 10 is a compact 2-way wide-range loudspeaker system with passive low-loss crossover with built-in overload protection.

It comprises a 25cm high power handling woofer for low and mid frequencies, and a 1" compression driver for high frequencies, ferrofluid cooled and loaded with a controlled directivity horn enabling the enclosure to be used in either a vertical or a horizontal position. It can be used along with a DVS 115/118 SW reflex subwoofer system, when the sound to be reinforced features considerable low frequency content, as is normally the case with live music and dance club applications.

The DVS 10 system has phase inversion low frequency loading and a tuned enclosure. The system's uniform directivity from 500Hz to 4kHz has an average dispersion of 100° horizontal and 117° vertical and average wide-range sound coverage from 500 Hz to 10 KHz is 100° horizontal and 100° vertical.

The acoustic reproduced bandwidth is 48 Hz to 18 kHz at -10 dB.

The frequency response of the complete system is +/-3dB from 55 Hz to 17 kHz. Flown in free-field it has high average wide-range sensitivity, producing 93 dB SPL 1W/1m, (127.5dB SPL peak).

The maximum allowed power is 350 Watt AES (1.400 peak).

The enclosure cabinet has a trapezoidal shape and is built by high quality 15 mm. baltic phenolic glued plywood further strengthened by bracing glued inside, which also eliminates any resonance of the sides while the outer finish is in scratch-resistant, waterproof black paint.

The cabinet has two M8 threaded mounting points to facilitate both vertical and horizontal flying by means of the appropriate optional accessories, and other two points to which an adaptor can be fitted for use with an (optional) tripod stand. The top panel is fitted with a steel receptacle that contains a plug (supplied) for aligning an enclosure mounted above (horn to horn), in long-throw configuration ("Stack Align" system). The snap-mounting protective front grille is made from painted steel mesh.

TECHNICAL SPECIFICATIONS:

FREQUENCY RESPONSE	(-10 dB) (±3 dB)	48Hz – 18kHz 55Hz – 17kHz
AVERAGE DISPERSION	>5 kHz	81° x 56° (HxV)
IMPEDANCE (Ohms)	Tot (min)	8 (5 @ 175Hz)
MAX SENSITIVITY (dB SPL 1W 1m)		93 (Free-field) 96 (Half-space bass only)
POWER - WATTS AES	Cont. 350	Peak 1400
MAX OUTPUT LEVEL (calculated)		Cont. Peak 121,5 127,5 (Free-field) 124,5 130,5 (Half-space bass only)

CONNECTORS LF/HF	2xNL4 Speakon in parallel: Pin 1+ pos ; Pin 1- neg
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LOUDSPEAKERS AND LOADING	LF: 1x10" Vented high-pass box HF: 1x1.1" Outline OUT 4CD horn loaded
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WEIGHT (KG) Net (gross)	18 (20)
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DIMENSIONS (CM) Height (with packing) Width (with packing) Depth (with packing)	50 (56) 30 (36) 33,5 (40)
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DVS SERIES