

DVS 8



FEATURES

- Ultra-compact powerful (123dB peak SPL@ 1m) loudspeaker system with an 8" (LF) woofer and a 1" (HF) compression driver; ferro fluid cooled coil
- 2-way design (8 Ohm) with built-in passive filter for easy low-cost powering by means of just one amplifier channel
- Very low feedback sensitivity according to the cabinet's dimensions
- Extremely linear frequency response and phase response of just $\pm 45^\circ$ from 250 Hz to 20 kHz
- High spoken word "projection" for precise reproduction with high intelligibility
- Designed for use as a stage monitor in a horizontal position (with two angles), as is the entire DVS range
- The "Stack Align" system increased the throw of two stacked enclosures and aligns the acoustic centres
- Internally braced cabinet for the utmost sturdiness, unaffected by sound "colouring" due to resonance and fitted with numerous mounting points for rapid flying or stand mounting

APPLICATIONS

- Medium-power live applications. Speech reinforcement in theatres and TV studios. "Near-field" monitoring for recording studios. High-quality distributed systems in clubs, pubs, music-cafés, dance&dinner clubs etc. Conference halls.

DESCRIPTION

DVS 8 is a wide range 2-way loudspeaker system with passive low-loss crossover. It comprises a 20cm 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 indistinctly in either a vertical or a horizontal position that it features the required characteristic of "projecting" the mid frequency range, ensuring higher intelligibility for the speech it reproduces.

The DVS 8 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 90° horizontal and 110° vertical and average wide-range sound coverage from 500 Hz to 10 KHz is 90° horizontal and 93° vertical.

The acoustic reproduced bandwidth is 48 Hz to 18.5 kHz at -10 dB.

The frequency response of the complete system is ± 3 dB from 75 Hz to 17.5 kHz. Flown in free-field it has high average wide-range sensitivity, producing 93 dB SPL 1W/1m, (123dB SPL peak).

The maximum allowed power is 250 Watt AES (1000 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 - 18.5kHz 75Hz - 17.5kHz
AVERAGE DISPERSION	>5 kHz	77° x 30° (HxV)
IMPEDANCE (Ohms)	Tot (min)	8 (6.4 @ 240Hz)
MAX SENSITIVITY (dB SPL 1W 1m)		93 (Free-field) 99 (Half-space bass only)
POWER - WATTS AES	Cont. 250	Peak 1000
MAX OUTPUT LEVEL (calculated)	Cont. 117	Peak 123 (Free-field)

CONNECTORS	2xNL4 Speakon in parallel: LF/HF
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LOUDSPEAKERS AND LOADING	LF: 1x8" vented high-pass box HF: 1x1" horn-loaded
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WEIGHT (KG)	
Net (gross)	8 (9)

DIMENSIONS (CM)	
Height (with packing)	38.5 (43)
Width (with packing)	23.5 (28)
Depth (with packing)	26 (30)