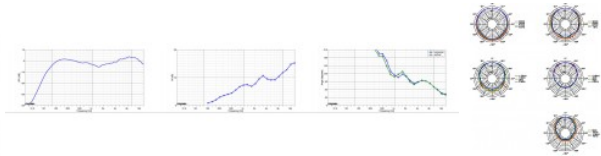




EDGE8CXPB

8" 2-way coaxial full-range loudspeaker system



Description

The EDGE8CXP is a diffusion system with the characteristics of being truly compact and versatile. The custom made co-axial speaker has been developed on the specifics of the PROEL Research and Design laboratory. The results have been aimed at producing the best performance from an 8" woofer combined with a 1" driver. The woofer is comprised of an ISV (Interleaved Sandwich Voice Coil) and an aluminium casing. The double ventilated die-cast basket has been designed to have improved heat dissipation and thereby reduce the power compression level. The compression driver provides better excursion control and reduces distortion through use of Ferro-fluid. The diaphragm has been constructed with a new synthetic material which, together with the reinforced radius design increases the rigidity and thereby avoiding the formation of uncontrolled vibrations. The phase plug is the result of a meticulous study and has been designed using 3D CAD software to realise a shape that guarantees a correct acoustic impedance which reduces dramatically the levels of distortion. The pressed Aluminium voice coil assures low distortion and high efficiency with good power handling. The EDGE8CXP has an internal 12dB per octave passive crossover with a PTC electronic protection.

Technical Specifications EDGE8CXPB

System type: Coaxial 2-way vented enclosure

Nominal Impedance: 8 ohm

Input power rating (AES): 225 W

Input power rating (program): 450 W

Frequency response: 80 Hz - 20 kHz (-6dB, +6dB)

Sensitivity: 95 dB SPL (2.83V @ 1m)]

Maximum (peak) Output: 121 dB

Low Frequency Device: 8" woofer - 2" voice coil

High Frequency Device: 1" compression driver - coaxial

Coverage Angle H. (-6 dB): 85° averaged, 1 kHz to 20 kHz

Coverage Angle V. (-6 dB): 85° averaged, 1 kHz to 20 kHz

Monitor Taper: 45°

Directivity Index (DI): 9.7 averaged, 1 kHz to 20 kHz

Flying System: 4 x M10 - top, bottom, rear



Connectors: 2 Neutrik Speakon NL4MP paralleled, 1+ IN+, 1- IN-

Construction: 15mm birch plywood

Finishing: Paint finish

Cabinet Colour: Black

Mounting Pole: 1 x bottom

Weight: 10 lb

Dimensions (W x H x D): 26 x 33 x 28 cm

