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Eighteensound 12MB600 - Zvučnik



Šifra: 04880
Kategorija prozivoda: 12 Inča
Proizvođač: Eighteensound

Cena: 21.480,00 rsd

High Output MB Ferrite Driver 8 Ohm

101 dB SPL 1W / 1m average sensitivity

75 mm (3 in) Interleaved Sandwich Voice coil (ISV)

450 W AES power handling

Weather protected cone and plates for outdoor usage

Excellent transient response

Improved heat dissipation via unique basket design

Ideal for compact two way and multiway systems

The 12MB600 is a high sensitivity (101dB 1W/1m) midbass driver with high power handling capabilities. It can be used as either a bass/mid driver in compact 2-way reflex enclosures or as a direct radiating or horn loaded, dedicated midrange driver, in multi-way touring and fixed installation concert and arena systems.
The curvilinear paper cone is made with a special high strength wood pulp designed to achieve the best possible linearity within its intended frequency range and to control bell-mode resonances around the cone circumference. The cone is carried by a multiroll suspension formed from a linen-like material which is more resistant to aging and fatigue than traditional materials.
The 75 mm aluminum wire voice coil employs the Interleaved Sandwich Voice coil (ISV) technology, in which a high strength fiberglas former carries windings on both the outer and inner surfaces to achieve a mass balanced coil. This results in an extremely linear motor assembly with a reduced tendency for eccentric behavior when driven hard.
Voice coil cooling has been achieved by incorporating airways between the chassis back plate and the top plate of the magnet which allow heated air from the voice coil and gap to be channeled away and dissipated by the chassis basket.
The magnetic structure has been optimized using FEACAD resource which has maximized the flux density in the voice coil gap.

The ability to perform properly under inclement weather conditions is a feature in Eighteen Sound’s philosophy. Hence, an exclusive treatment is applied to the cone giving it water repellent properties. In addition, another special treatment is applied to the top and back plates making the transducer far more resistant to the corrosive effects of salts and oxidization.

GENERAL SPECIFICATIONS	
Nominal Diameter	300 mm (12 in)
Rated Impedance	8 Ohm
AES Power	450 W
Program Power	600 W
Peak Power	1200 W
Sensitivity	101 dB
Frequency Range	58 ÷ 5000 Hz
Power Compression @-10dB	0,5 dB
Power Compression @-3dB	1,6 dB
Power Compression @Full Power	3,0 dB
Max Recomm. Frequency	2200 Hz
Recomm. Enclosure Volume	30 ÷ 80 lt. (1,06 ÷ 2,83 cuft)
Minimum Impedance	6,5 Ohm at 25°C
Max Peak To Peak Excursion	22 mm (0,87 in)
Voice Coil Diameter	75 mm (2,95 in)
Voice Coil Winding Material	aluminum
Suspension	M-roll, Polycotton
Cone	Curvilinear, Paper

THIELE SMALL PARAMETERS	
Fs	44 Hz
Re	5 Ohm
Sd	0,0531 sq.mt. (82,31 sq.in.)
Qms	3,9
Qes	0,19
Qts	0,18
Vas	115 lt. (4,06 cuft)
Mms	43 gr. (0,09 lb)
BL	18 Tm
Linear Mathematical Xmax	± 4,5 mm (± 0,18 in)
Le (1kHz)	1,32 mH
Ref. Efficiency 1W@1m (half space)	99,2 dB

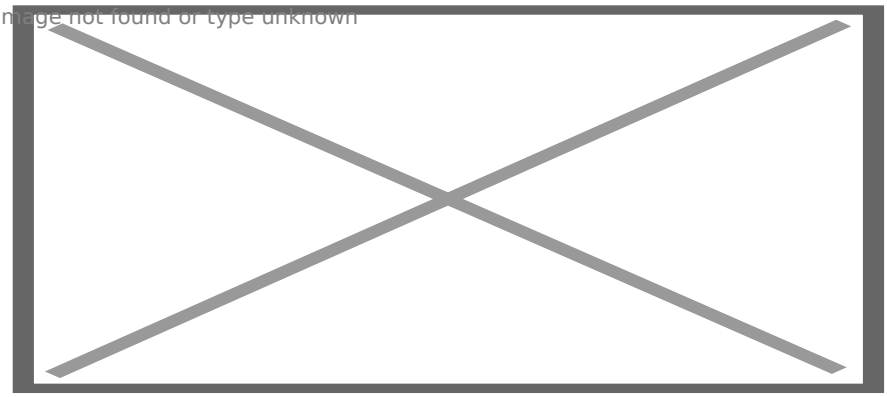
MOUNTING INFORMATIONS	
Overall diameter	315 mm (12,4 in)
N. of mounting holes	8
Mounting holes diameter	7,15 mm (0,28 in)
Bolt circle diameter	296 - 300 mm (11,65 - 11,8 in)
Front mount baffle cutout ø	282 mm (11,1 in)
Rear mount baffle cutout ø	282 mm (11,1 in)
Total depth	147,5 mm (5,82 in)
Flange and gasket thickness	16,5 mm (0,65 in)

Net weight	8,0 kg (17,66 lb)
Shipping weight	8,8 kg (19,43 lb)
CardBoard Packaging dimensions	332 x 332 x 184 mm (13,07 x 13,07 x 7,24 in)

FREQUENCY RESPONSE CURVE OF 12MB600 MADE ON 50 LIT. ENCLOSURE TUNED 60HZ IN FREE FIELD (4PI) ENVIRONMENT. ENCLOSURE CLOSES THE REAR OF THE DRIVER. THE THIN LINE REPRESENTS 45 DEG. OFF AXIS FREQUENCY RESPONSE

FREE AIR IMPEDANCE MAGNITUDE CURVE

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Cene su informativnog karaktera. Prodavac ne odgovara za tačnost cena iskazanih na sajtu, zadržava pravo izmena cena. Ponudu za ostale artikle, informacije o stanju lagera i aktuelnim cenama možete dobiti na upit. Plaćanje se isključivo vrši virmanski - bezgotovinski.