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Eighteensound 15W700 - Zvučnik



Šifra: 04878
Kategorija prozivoda: 15 Inča
Proizvođač: Eighteensound

Cena: 23.880,00 rsd

LF Ferrite Driver 8 Ohm
99 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 reflex subwoofers and multiway systems
The 15W700 low frequency transducer meets the specific market demand for a loudspeaker which combines good linearity and efficiency with high power handling capabilities, containing a 75 mm Ø aluminum voice coil.
Although primarily intended for use in tuned reflex enclosures, the versatile characteristics of the 15W700 render it suitable for a wide variety of enclosure types, particularly as a subwoofer or as a LF driver in 2 or 3-way systems. When used in a 2-way system, we recommend a 1.4" or 2" exit compression driver in order to obtain the best sound quality.
The deep profile curvilinear paper cone has been made using a special high strength wood pulp and 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 an unusually deep profile, double half-roll suspension formed of a linen-like material which is more resistant to aging and fatigue than the traditional cotton-based materials used in conventional surrounds.
The 75 mm Ø aluminum 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.
The magnetic structure has been optimized using our in-house FEA CAD resource that has maximized the flux density in the voice coil gap. Excellent heat dissipation has also been achieved by incorporating air channels between the basket and the magnetic top plate.
Due to the increase in use of audio systems at outdoor events, the ability of the 15W700 to perform in adverse weather conditions or in areas of high humidity is a great advantage. This has been achieved using exclusive treatments which enable the cone and the magnetic plate to resist corrosion and render the cone water repellent at the same time.

GENERAL SPECIFICATIONS	
Nominal Diameter	380 mm (15 in)
Rated Impedance	8 Ohm
AES Power	450 W

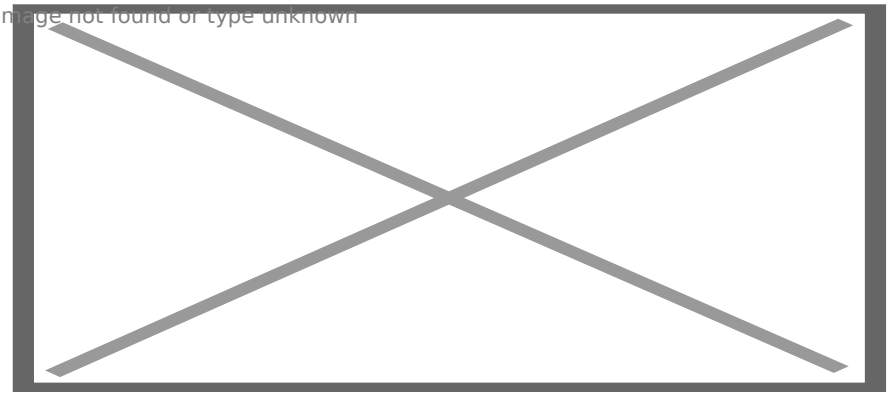
Program Power	700 W
Peak Power	1500 W
Sensitivity	99 dB
Frequency Range	38 ÷ 5000 Hz
Power Compression @-10dB	0,7 dB
Power Compression @-3dB	2,3 dB
Power Compression @Full Power	3,4 dB
Max Recomm. Frequency	2000 Hz
Recomm. Enclosure Volume	80 ÷ 140 lt. (2,82 ÷ 4,95 cuft)
Minimum Impedance	6,8 Ohm at 25°C
Max Peak To Peak Excursion	35 mm (1,38 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	38 Hz
Re	5,7 Ohm
Sd	0,085 sq.mt. (131,75 sq.in.)
Qms	3,8
Qes	0,33
Qts	0,3
Vas	217 lt. (7,67 cuft)
Mms	80 gr. (0,18 lb)
BL	18,4 Tm
Linear Mathematical Xmax	± 6,5 mm (± 0,26 in)
Le (1kHz)	1,57 mH
Ref. Efficiency 1W@1m (half space)	97,8 dB

MOUNTING INFORMATIONS	
Overall diameter	387 mm (15,23 in)
N. of mounting holes	8
Mounting holes diameter	7,15 mm (0,28 in)
Bolt circle diameter	370 - 371 mm (14,55 - 14,6 in)
Front mount baffle cutout ø	353 mm (13,90 in)
Rear mount baffle cutout ø	357 mm (14,06 in)
Total depth	168,5 mm (6,63 in)
Flange and gasket thickness	19,5 mm (0,76 in)
Net weight	8,6 kg (18,98 lb)
Shipping weight	9,7 kg (21,41 lb)
CardBoard Packaging dimensions	405 x 405 x 214 mm (15,94 x 15,94 x 8,43 in)

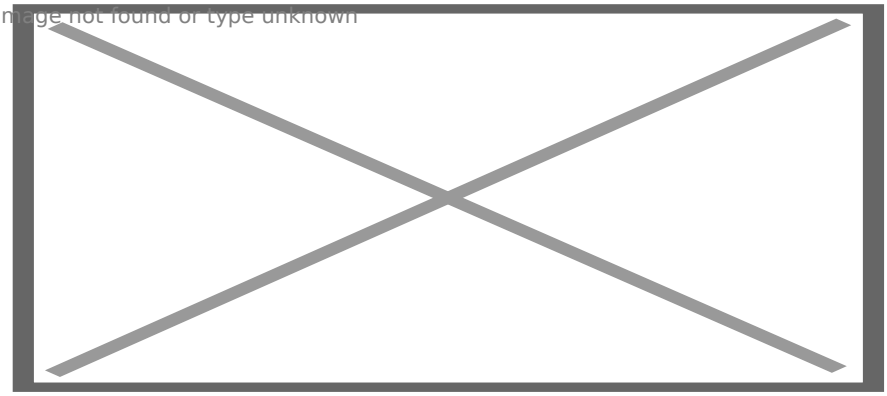
FREQUENCY RESPONSE CURVE OF 15W700 MADE ON 125 LIT. ENCLOSURE TUNED 50HZ IN FREE FIELD (4PI) ENVIRONMENT. ENCLOSURE CLOSES THE REAR OF THE DRIVER. THE THIN LINE REPRESENTS 45 DEG. OFF AXIS FREQUENCY RESPONSE

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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.