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Eighteensound 15MB700 - Zvučnik



Šifra: 04879
Kategorija prozivoda: 15 Inča
Proizvođač: Eighteensound

Cena: 19.080,00 rsd

Very High Output MB Ferrite Driver 8 Ohm
103 dB SPL 1W / 1m average sensitivity
75 mm (3 in) Interleaved Sandwich Voice coil (ISV)
400 W AES power handling
Excellent transient response
Additional cone damping treatment
Improved heat dissipation via unique basket design
Suitable for compact two way, multiway and horn loaded midbass applications

The 15MB700 very high output mid-bass transducer shows exceptional efficiency and is primarily intended for 2-way very compact reflex systems (75 lt.), 3-way systems and horn loaded applications. It combines high sensitivity (103 dB 1W/1m) with a high power handling capability.
The smooth textured curvilinear paper cone, in conjunction with the viscose dampened multiroll suspension, provides excellent cone dampening and excursion control.
The 75 mm diameter aluminum voice coil features the same technology fitted to our top-of-the-range 4” voice-coil models. It employs 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 low coil inductance results in an improved transient response.
Excellent heat dissipation has been achieved by incorporating air channels into the basket design, between the basket and the top plate. Maximum flux concentration and force factor in the gap are assured by the unique shape and design of the top and back plates which have been designed using our in-house Magnetic Flux FEA CAD resource.
Due to the increasing use of audio systems at outdoor events, the ability to perform in adverse weather conditions or in high-humidity areas is a key feature of the 15MB700. This has been achieved using exclusive cone and magnetic plate treatment processes which allows the speaker to resist corrosion and render the cone water repellent.

GENERAL SPECIFICATIONS	
Nominal Diameter	380 mm (15 in)
Rated Impedance	8 Ohm
AES Power	400 W
Program Power	600 W
Peak Power	1200 W
Sensitivity	103 dB
Frequency Range	45 ÷ 4300 Hz
Power Compression @-10dB	0,6 dB

Power Compression @-3dB	2,0 dB
Power Compression @Full Power	3,3 dB
Max Recomm. Frequency	3000 Hz
Recomm. Enclosure Volume	75 ÷ 130 lt. (2,65 ÷ 4,6 cuft)
Minimum Impedance	5,9 Ohm at 25°C
Max Peak To Peak Excursion	23 mm (0,88 in)
Voice Coil Diameter	75 mm (2,95 in)
Voice Coil Winding Material	aluminum
Suspension	Multiroll, Polycotton
Cone	Curvilinear ribbed, Treated paper

THIELE SMALL PARAMETERS	
Fs	42 Hz
Re	5 Ohm
Sd	0,085 sq.mt. (131,75 sq.in.)
Qms	4,6
Qes	0,31
Qts	0,29
Vas	202 lt. (7,14 cuft)
Mms	73 gr. (0,16 lb)
BL	17,6 Tm
Linear Mathematical Xmax	± 5,5 mm (± 0,22 in)
Le (1kHz)	1,2 mH
Ref. Efficiency 1W@1m (half space)	98,9 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	167,5 mm (6,59 in)
Flange and gasket thickness	19,5 mm (0,76 in)
Net weight	8,3 kg (18,3 lb)
Shipping weight	9,4 kg (20,75 lb)
CardBoard Packaging dimensions	405 x 405 x 214 mm (15,94 x 15,94 x 8,43 in)

FREE AIR IMPEDANCE MAGNITUDE CURVE

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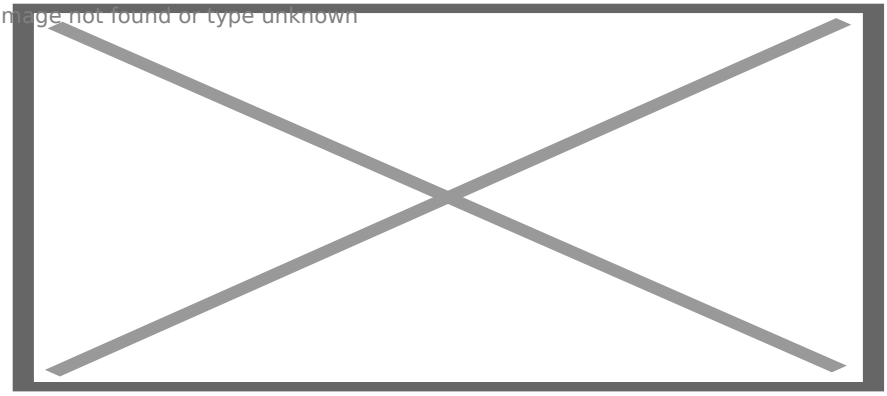

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