

Eighteensound 15MB700 - Zvučnik

Šifra: 4879
Kategorija proizvoda: 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)

Excellent transient response

Improved heat dissipation via unique basket design

400 W

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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 fiberglass 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
Suspension
Cone

aluminum
Multiroll, Polycotton
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 INFORMATION

| | |
|---|--|
| 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 \varnothing | 353 mm (13,90 in) |
| Rear mount baffle cutout \varnothing | 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

