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Eighteensound 15LW2400 - Zvučnik

Šifra: 09259
Kategorija prozivoda: 15 Inča
Proizvođač: Eighteensound

Cena: 29.880,00 rsd



The fiberglass fiber reinforced, straight-sided ribbed cone assures smooth response with high internal damping. The 100 mm Ø copper 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. The weight of the windings are evenly distributed, providing a uniform motive drive. The already low distortion and sound quality of 15LW2400 has been further improved by the Double Demodulation Rings (DDR) designed to dramatically reduce the intermodulation and harmonic distortion whilst improving the transient response. Excellent heat dissipation has been achieved by incorporating air channels between the basket and the top plate of the magnet. Further ventilation is provided using air vents in the back plate that direct air into the lower part of the voice coil gap. In order to furtherly increase power handling and reduce power compression figure, 15LW2400 uses the same voice coil ventilation technology developed for our flagship 9000 neodymium transducer series. A low density material air diffractor is placed into the backplate acting as a cooling system, increasing power handling capability and lowering the power compression figure. As a final result the transducer shows 1 dB reduction in full power power compression value if compared to 15LW1401, and a program power handling value of 2400 Watt. 10% reduction in weight have been obtained optimizing the magnetic structure through advanced FEA CAD simulation tools. The 15LW2400 ability to perform properly under inclement weather conditions has been achieved using an exclusive cellulose treatment which gives water repellent properties to both sides of the cone. In addition, an epoxy coating is applied to metal plates in order to resist against the corrosive effects of salts and oxidization.

General Specifications

Nominal Diameter	380 mm (15 in)
Rated Impedance	8 Ohm
AES Power	1200 W
Program Power	2400 W
Peak Power	7000 W
Sensitivity	97 dB
Frequency Range	40 ÷ 2200 Hz
Power Compression @-10dB	0,7 dB
Power Compression @-3dB	1,5 dB
Power Compression @Full Power	2,2 dB
Max Recomm. Frequency	500 Hz

Recomm. Enclosure Volume	60 ÷ 130 lt. (2.12 ÷ 4.59 cuft)
Max Peak To Peak Excursion	38 mm (1,53 in)
Voice Coil Diameter	100 mm (4 in)
Voice Coil Winding Material	copper
Suspension	Triple roll, Polycotton
Cone	Straight ribbed, Fiberglass reinforced treated cellulose

Thiele Small Parameters

Fs	40 Hz
Re	5,3 Ohm
Sd	0,090 sq.mt. (139,5 sq.in.)
Qms	4,75
Qes	0,32
Qts	0,3
Vas	131 lt. (4.63 cuft)
Mms	138 gr. (0,30 lb)
BL	24 Tm
Linear Mathematical Xmax	± 10 mm (±0,39 in)
Le (1kHz)	1,25 mH
Ref. Efficiency 1W@1m (half space)	96,4 dB

Mounting information

Overall diameter	393 mm (15.47 in)
N. of mounting holes and bolt	8
Mounting holes diameter	7,15 mm (0,28 in)
Bolt circle diameter	371 mm (14.6 in)
Front mount baffle cutout ø	354mm (13.93 in)
Rear mount baffle cutout ø	360 mm (14.17 in)
Total depth	181 mm (7.13 in)
Flange and gasket thickness	12,5 mm (0,49 in)
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Net weight	11,2 kg (24.7 lb)
Shipping weight	12,2 kg (26.9 lb)
CardBoard Packaging dimensions	405 x 405 x 214 mm (15,94 x 15,94 x 8,43 in)

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.