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Eighteensound 15W500 - Zvučnik

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KeyFeatures

Šifra: 9898
Kategorija proizvoda: 15 Inča
Proizvođač: Eighteensound

Cena: 16.680,00 rsd

65 mm (2,5 in) Interleaved Sandwich Voice coil (ISV)
Excellent transient response and cone damping
Ideal for compact two way and multiway systems

100,5dB SPL 1W / 1m average sensitivity
350 W AES power handling
Improved heat dissipation via unique basket design

Description

The 15W500 is a fine example of a high quality transducer providing the right balance between performance and engineering costs. This ferrite low frequency driver satisfies the demand for a 15" loudspeaker which combines excellent linearity with good sensitivity and power handling characteristics. The 15W500 has been designed for two-way or multi-way reflex systems. The high quality paper cone has a smooth, Eighteen Sound specified curvilinear textured profile design that eliminates bell-mode resonance within the intended frequency range. The cone is carried by a specially treated and dampened multi-roll linen suspension designed to control excursion while maintaining piston action linearity. The 15W500 also employs our Interleaved Sandwich Voice coil (ISV) technology, in which a high strength fibreglas 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 magnetic top plate, allowing heated air from the voice coil and gap to be channeled away and dissipated by the chassis basket. This technology is the result of a meticulous 3D CAD design project.

General Specifications

Nominal Diameter	380 mm (15 in)
Rated Impedance	8 Ohm
AES Power	350 W
Program Power	500 W
Peak Power	1000 W
Sensitivity	100,5 dB
Frequency Range	50 ÷ 4500 Hz
Power Compression @-10dB	0,7 dB
Power Compression @-3dB	2,5 dB
Power Compression @Full power	4,0 dB

Max Recomm. Frequency	3000 Hz
Recomm. Enclosure Volume	80 ÷ 200 lt. (2,47 ÷ 5,3 cuft)
Minimum Impedance	6 Ohm at 25°C
Max Peak To Peak Excursion	23 mm (0,88 in)
Voice Coil Diameter	64 mm (2,5 in)
Voice Coil Winding Material	aluminum
Suspension	Multiroll, Polycotton
Cone	Curvilinear ribbed, Paper

Thiele Small Parameters

Fs	50 Hz
Re	5,2 Ohm
Sd	0,085 sq.mt. (131,75 sq.in.)
Qms	9,64
Qes	0,55
Qts	0,52
Vas	189 lt. (6,68 cuft)
Mms	55 gr. (0,12 lb)
BL	12,6 Tm
Linear Mathematical Xmax	± 4 mm (±0,16 in)
Le (1kHz)	1,04 mH
Ref. Efficiency 1W@1m (half space)	98,2 dB

Mounting information

Overall diameter	387 mm (15,23 in)
N. of mounting holes and bolt	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	161 mm (6,33 in)
Flange and gasket thickness	11,5 mm (0,45 in)
Net weight	4,3 kg (9,4 lb)
Shipping weight	5,1 kg (11,2 lb)

CardBoard Packaging dimensions	405 x 405 x 214 mm (15,94 x 15,94 x 8,43 in)
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