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Eighteensound 8M400F 8ohm - Zvučnik



Šifra: 15897
Kategorija prozivoda: 8 Inča
Proizvođač: Eighteensound

Cena: 11.880,00 rsd

Key Features

100,5 dB SPL 1W / 1m average sensitivity

51 mm (2 in) Interleaved Sandwich Voice coil (ISV)

250 Watt AES power handling

Improved heat dissipation via unique basket design

Copper ring to linearize impedance curve

Suitable for high quality midrange applications

Description

The 8M400 is a high power, high output, 200 mm (8 in) midrange for high level professional use. The excellent sound quality has been achieved as a result of extensive research on mid frequencies intelligibility.

The 8M400 has been designed for use as a midrange in both horn and direct radiation, closer or reflex enclosures, as small as 3 lt. The curvilinear cone, made with a high damping wood pulp, has been designed to achieve the best possible linearity within its frequency range.

The in-house developed cone treatment is a humidity repellent and also dampens the bell mode resonance significantly. The 51 mm (2 in) ISV aluminum voice coil assembly is wound on a strong fiberglas former to improve force transmission and power handling. ISV technology is based on a high strength fiberglas former with half the coil wound on the outside and half on the inside and bonded together using unique high temperature resin adhesives.

The powerful magnet assembly assures high flux concentration. The force factor and power handling are at an optimum level. The direct contact between the finned basket and the magnetic structure significantly improves thermal connection and heat dissipation, further increasing power handling and lowering power compression.

The copper shorting ring on the pole piece reduces inductance and improves transient response and phase control in the mid frequencies.

General Specifications

Nominal Diameter	200 mm (8 in)
Rated Impedance	8 Ohm
AES Power	250 W
Program Power	320 W
Peak Power	650 W
Sensitivity	100,5 dB
Frequency Range	120 - 6100 Hz
Power Compression @-10dB	0,5 dB

Power Compression @-3dB	1,6 dB
Power Compression @Full Power	2,7 dB
Max Recomm. Frequency	4000 Hz
Recomm. Enclosure Volume	2 - 10 lt. (0,07 - 0,35 cuft)
Minimum Impedance	6,5 Ohm at 25°C
Max Peak To Peak Excursion	13 mm (0,51 in)
Voice Coil Diameter	51 mm (2 in)
Voice Coil winding material	aluminum
Suspension	M-roll, Polycotton

Cone	Curvilinear, Paper

Thiele Small Parameters

Fs	90 Hz
Re	5,2 Ohm
Sd	0,0227 sq.mt. (35,19 sq.in.)
Qms	6,2
Qes	0,28
Qts	0,27
Vas	16,2 lt. (0,57 cuft)

Mms	14 gr. (0,03 lb)
BL	12,2 Tm
Linear Mathematical Xmax	± 3 mm (±0,12 in)
Le (1kHz)	0,95 mH
Ref. Efficiency 1W@1m (half space)	98,1 dB

Mounting information

Overall diameter	210 mm (8,27 in)
N. of mounting holes and bolt	6
Mounting holes diameter	6 mm (0,23 in)

Bolt circle diameter	195 - 198 mm (7,68 - 7,80 in)
Front mount baffle cutout ø	186 mm (7,32 in)
Rear mount baffle cutout ø	184 mm (7,24 in)
Total depth	105,5 mm (4,15 in)
Flange and gasket thickness	14,5 mm (0,57 in)
Net weight	4,5 kg (9,93 lb)
Shipping weight	5,22 kg (11,5 lb)
Packaging Dimensions	235 x 235 x 150 mm (9,25 x 9,25 x 5,91 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.