

Eighteensound 6ND410 - Zvučnik

Šifra: 9900
Kategorija proizvoda: 6 i manje
Proizvođač: Eighteensound

Cena: **14.280,00** rsd

Very High Output Neodymium MF Transducer

Key Features

102 dB SPL 1W / 1m average sensitivity

45 mm (1,77 in) edgewound aluminum voice coil
Neodymium motor assembly
Very shallow profile, 58 mm (2,3 in)

180 V
Extre
Suitab
applic

Description

The 6ND410 is a very high output, state-of-the-art midrange product for high quality professional use. The high level of sound quality has been achieved thanks to extensive research by Eighteen Sound engineers which focused on implementing mid frequencies intelligibility. The 6ND410 can be used as a midrange in both horn and direct radiation, closed or reflex enclosures, as small as 2 liters. The extremely powerful external neodymium magnet assembly assures high flux concentration, low power compression and excellent heat exchange. Consequently, the levels of force factor and power handling are at a top professional level with an optimum power to weight ratio. A consistent heat transfer is guaranteed by the encapsulation of the magnetic structure in the interior of the basket, offering a large contact space between the back plate and the dissipating structure. The curvilinear cone-surround, has been created using computer aided vibrational modelling software to move all undesired bell modes out of the usable frequency range. The 45 mm edge-wound voice coil assembly and terminals have been designed to minimise the moving mass while reinforcing force transmission. The 3 threaded back plate holes give the final user the opportunity to insert an external customised heat sink, if further heat dissipation is required. A proprietary humidity-block cone treatment makes the transducer suitable for outdoor use in adverse weather conditions. In addition, a special coating applied to both the top and back plates makes the 6ND410 far more resistant to the corrosive effects of salts and oxidization.

General Specifications

Nominal Diameter	152mm (6 in)
Rated Impedance	8 Ohm
AES Power	180 W
Program Power	240 W
Peak Power	480 W
Sensitivity	102 dB
Frequency Range	200 ÷ 8000 Hz
Power Compression @-10dB	0,7 dB

Power Compression @ -3dB	1,2 dB
Power Compression @ Full Power	1,6 dB
Max Recomm. Frequency	5000 Hz
Recomm. Enclosure Volume	1 ÷ 5 lt. (0,04 ÷ 0,18 cuft)
Minimum Impedance	8,2 Ohm at 25°C
Max Peak To Peak Excursion	8 mm (0,31 in)
Voice Coil Diameter	44 mm (1,75 in)
Voice Coil Winding Material	aluminum
Suspension	Progressive double roll, Polycotton
Cone	Curvilinear, Paper

Thiele Small Parameters

Fs	120 Hz
Re	5,9 Ohm
Sd	0,0143 sq.mt. (20,6 sq.in.)
Qms	2,2
Qes	0,27
Qts	0,24
Vas	6,2 lt. (0,22 cuft)
Mms	8,2 gr. (0,02 lb)
BL	11,6 Tm
Linear Mathematical Xmax	± 2 mm (±0,08 in)
Le (1kHz)	0,67 mH
Ref. Efficiency 1W@1m (half space)	97,9 dB

Mounting information

Overall diameter	162 mm (6,38 in)
N. of mounting holes and bolt	4
Mounting holes diameter	5,5 mm (0,22 in)
Bolt circle diameter	170 mm (6,69 in)
Front mount baffle cutout ø	148 mm (5,38 in)
Rear mount baffle cutout ø	148 mm (5,38 in)
Total depth	60 mm (2,3 in)
Flange and gasket thickness	9,5 mm (0,37 in)
Net weight	1,25 kg (2,76 lb)
Shipping weight	1,8 kg (3,97 lb)
CardBoard Packaging dimensions	170 x 170 x 80 mm (6,69 x 6,69 x 3,15 in)