

Eighteensound 15W930 - Zvučnik

Šifra: 09260
 Kategorija proizvoda: 15 Inča
 Proizvođač: Eighteensound

Cena: 23.880,00 rsd

Eighteensound 15W930 - Zvučnik

The deep

profile curvilinear cone, made with high strength wood pulp, has been designed to achieve the best possible linearity within its frequency range. The cone surround, made from a linen material, is highly resistant to aging and fatigue. The in-house developed cone treatment is humidity repellent and significantly dampens bell mode resonances. The 75mm (3in) copper edge-wound voice coil assembly is wound on a strong fiberglass former to improve

force transmission and power handling. The already low distortion and high sound quality are further improved by the aluminum demodulating ring (SDR) used to reproduce instantaneous peak on mid frequencies, reducing intermodulation distortion. The magnetic structure has been optimized using our FEA CAD software that has maximized the flux density in the voice coil gap. Excellent heat dissipation has also been achieved by incorporating air channels between the basket and the magnetic top plate. Due to the increase in use of audio systems at outdoor events, the ability of the 15W930 to perform in adverse weather conditions or in areas of high humidity is a great advantage. This has been achieved using exclusive treatments which enable the cone and the magnetic plate to resist corrosion and render the cone water repellent at the same time.

General Specifications

| | |
|-------------------------------|---------------------------------|
| Nominal Diameter | 380 mm (15 in) |
| Rated Impedance | 8 Ohm |
| AES Power | 500 W |
| Program Power | 800 W |
| Peak Power | 1600 W |
| Sensitivity | 98 dB |
| Frequency Range | 50 ÷ 3600 Hz |
| Power Compression @-10dB | 0,6 dB |
| Power Compression @-3dB | 1,9 dB |
| Power Compression @Full Power | 2,8 dB |
| Max Recomm. Frequency | 1700 Hz |
| Recomm. Enclosure Volume | 60 ÷ 140 lt. (2,12 ÷ 4,95 cuft) |
| Minimum Impedance | 7,2 ohm at 25°C |
| Max Peak To Peak Excursion | 33 mm (1,30 in) |
| Voice Coil Diameter | 75 mm (3 in) |
| Voice Coil Winding Material | Edgewound Copper |
| Suspension | M-roll, Polycotton |
| Cone | Curvilinear, humidity repellent |

Thiele Small Parameters

| | |
|----|---------|
| Fs | 33 Hz |
| Re | 5,5 Ohm |

| | |
|------------------------------------|------------------------------|
| Sd | 0,086 sq.mt. (132.53 sq.in.) |
| Qms | 8,78 |
| Qes | 0,23 |
| Qts | 0,22 |
| Vas | 240 lt. (8,46 cuft) |
| Mms | 97 gr. (0,21 lb) |
| BL | 22,1 Tm |
| Linear Mathematical Xmax | ± 7,5 mm (± 0,30 in) |
| Le (1kHz) | 1,47 mH |
| Ref. Efficiency 1W@1m (half space) | 97,9 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 \varnothing | 360 mm (14,17 in) |
| Rear mount baffle cutout \varnothing | 354 mm (13,94 in) |
| Total depth | 185 mm (7,28 in) |
| Flange and gasket thickness | 14 mm (0,55 in) |
| Net weight | 7,6 kg (16,7 lb) |
| Shipping weight | 9,1 kg (20,06 lb) |
| CardBoard Packaging dimensions | 405 x 405 x 252 mm (15,94 x 15,94 x 9.92 in) |