

## Eighteensound ALT. 10W500 8ohm - Zvučnik

Šifra: 16346  
Kategorija proizvoda: 10 Inča  
Proizvođač: Eighteensound



**Cena: 15.480,00 rsd**

The paper curvilinear cone is carried by a dampened linen, triple roll front suspension to control vibration modes that ensures good travel control and linear excursion. The 50 mm diameter copper wire voice coil employs the Interleaved Sandwich Voice coil (ISV) technology, where a high strength fiberglass former carries windings on both the outer and inner surfaces to achieve a mass balanced coil. This results in an extremely linear motor assembly which, in conjunction with the highly advanced design of the magnetic structure, provides a high force factor or BL. Another feature of 10W500 is the fine air channels between the chassis back plate and the top plate of the magnet, which draw heated air out from the voice coil gap and dissipate the energy through the chassis casting. The top and back plates of the magnet assembly have been designed to optimise flux density and BL factor in the air gap using our in-house FEA CAD facility.

### General

Product type

Cone driver

Brand

Eighteen Sound

Reference

10W500

Product code

ALT100500WF08FA - 0221084310

### Informations

Nominal impedance

8 ohm

Dimensional category

10.5 inch

Frequency coverage type	Low, Midbass, Midrange
Manufacturer sensitivity	98 dB
<a href="#">Calculated sensitivity</a>	<a href="#">95.21 dB</a>
Nominal power handling	280 W
Max power handling	400 W
Bandwidth	55 ÷ 4500 Hz

### **Fundamental parameters**

Sd	350 cm <sup>2</sup>
Mms	33 gr
Cms	277 μm/N
Le	0.72 mH
Re	6 ohm
BL	14.6 T.m

### **Small signal parameters**

Fs	53 Hz
Qes	0.31
Qms	4.22
Qts	0.29
Vas	45.2 L

### **Datas**

Xmax	±5.5 mm
<a href="#">EBP</a>	<a href="#">171 Hz</a>
Zmin	7 ohm

Fs / Qts

183 Hz

Vas \* Qts<sup>2</sup>

3.81 L

[Calculated efficiency](#)

[2.09 %](#)

Weight

~4.7 kg

## Dimensions

Voice coil diameter

2 inch

Outside diameter

260 mm

Baffle cutout diameter

232 mm

Depth

121 mm

Front thickness

14 mm

Depth after front

107 mm

## Shape & Materials

Front chape

Cylindrical

Magnet type

Ferrite