

## Eighteensound 12W500 8 Ohm - Zvučnik

Šifra: 11315  
Kategorija proizvoda: 12 Inča  
Proizvođač: Eighteensound

**Cena: 14.280,00 rsd**



The high quality paper cone has a smooth, curvilinear profile design that eliminates bell-mode resonances within the intended frequency range. This is carried by a specially treated, dampened double half-roll linen suspension which has been designed to control excursion maintaining the piston action linearity. The 12W500 employs the Interleaved Sandwich Voice coil (ISV) technology, in which 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 with a reduced tendency for eccentric behavior when driven hard. Voice coil cooling is achieved by incorporating airways between the chassis back plate and the top plate of the magnet, allowing heated air from the voice coil and gap to be channeled away and dissipated by the chassis basket.

### Key Features

- 99,5 dB SPL 1W / 1m average sensitivity
- 65 mm (2,5 in) Interleaved Sandwich Voice coil (ISV)
- 350 W AES power handling
- Excellent transient response
- Improved heat dissipation via unique basket design
- Ideal for compact two way systems

### General Specifications

Nominal Diameter	300 mm (12 in)
Rated Impedance	8 Ohm
AES Power	350 W
Program Power	500 W
Peak Power	1000 W
Sensitivity	99,5 dB
Frequency Range	50 - 6000 Hz
Power Compression @-10dB	0,7 dB
Power Compression @-3dB	2,5 dB
Power Compression @Full Power	4,1 dB
Max Recomm. Frequency	2500 Hz
Recomm. Enclosure Volume	50 - 100 lt. (1,77 - 3,53 cuft)
Minimum Impedance	6,4 Ohm at 25°C

Max Peak To Peak Excursion	22 mm (0,87 in)
Voice Coil Diameter	64 mm (2,5 in)
Voice Coil winding material	aluminum
Suspension	M-roll, Polycotton
Cone	Curvilinear, Paper

### Thiele Small Parameters

Fs	46 Hz
Re	5,2 Ohm
Sd	0,0531 sq.mt. (82,31 sq.in.)
Qms	6,02
Qes	0,38
Qts	0,36
Vas	123 lt. (4,34 cuft)
Mms	36,5 gr. (0,08 lb)
BL	12,1 Tm
Linear Mathematical Xmax	± 4 mm (±0,16 in)
Le (1kHz)	1,12 mH
Ref. Efficiency 1W@1m (half space)	97,2 dB

### Mounting information

Overall diameter	315 mm (12,4 in)
N. of mounting holes and bolt	8
Mounting holes diameter	7,15 mm (0,28 in)
Bolt circle diameter	296 - 300 mm (11,65 - 11,8 in)
Front mount baffle cutout $\varnothing$	282 mm (11,1 in)
Rear mount baffle cutout $\varnothing$	282 mm (11,1 in)
Total depth	141 mm (5,55 in)
Flange and gasket thickness	16,5 mm (0,65 in)
Net weight	4,5 kg (9,93 lb)
Shipping weight	5,7 kg (12,56 lb)
Packaging Dimensions	5,7 kg (12,56 lb)