

## Eighteensound DIAPHR.KIT ND1080 8ohm

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Kategorija proizvoda: Delovi za Ugradne Zvučnike

Proizvođač: Eighteensound

**Cena: 9.480,00 rsd**

### Eighteensound DIAPHR.KIT ND1080 8ohm

Equipped with unique Phase Plug architecture, the ND1080 is designed to give high level manufacturing consistency and smooth coherent wavefront at horn entrance over all the working frequency range. The phase plug with short openings and high flare rate value assures low distortion and remarkable improvements in mid-high frequency reproduction.

The diaphragm assembly, which is composed by a titanium dome sandwiched to a proprietary treated

polyester suspension, has a higher resonance frequency if compared to ND1090, usable for crossover frequency down to 1.9 kHz, keeping very high control on the upper frequency range. An edge-wound aluminum voice coil, wounded on the proprietary treated Nomex, completes diaphragm assembly. Thanks to its physical properties, the proprietary treated Nomex former shows 30% higher value of tensile elongation at working operative temperature (200°C) when compared to Kapton.

Moreover, this proprietary former material is suitable to work also in higher moisture contents environments.

The ND1080 powerful neodymium magnet assembly is designed to obtain 20 KGauss in the gap for major benefits in transient response. A copper ring on the pole piece reduces inductance above 10 kHz improving phase and impedance linearization.

The custom designed O-ring creates a tight seal between the plate and the cover assuring air chamber loading. Excellent heat dissipation and thermal exchange are guaranteed by the direct contact between the magnetic structure and the aluminum cover that allows to obtain a lower power compression value.

The special treatment applied to the magnet and the top and back plates of the magnetic structure makes the ND1080 compression driver more resistant to the corrosive effects of salts and oxidization than any other treatment used by any other manufacturer.

#### Specifications

Throat Diameter

25 mm (1.0 in)

Nominal Impedance

8 Ω

Minimum Impedance

8.0 Ω

Nominal Power Handling

1

50 W

Continuous Power Handling

2

100 W

Sensitivity

3

109.0 dB

Frequency Range

1.9 - 20.0 kHz

Recommended Crossover

4

1.9 kHz

Voice Coil Diameter

44 mm (1.75 in)

Winding Material  
Aluminum  
Diaphragm Material  
Titanium  
Magnet Material  
Neodymium