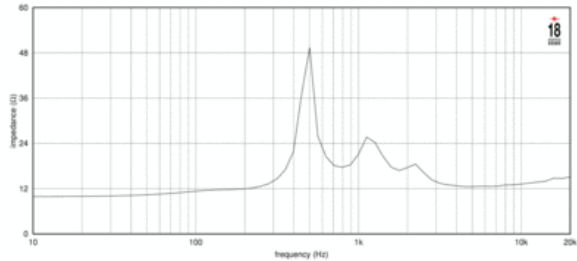
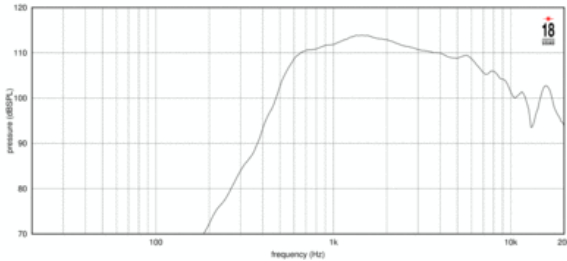




- 109 dB 1W / 1m average sensitivity
- 1,4 inch exit throat
- 3 inch edgewound aluminum voice coil
- 200 W continuous program power handling
- Pure Titanium diaphragm assembly
- Neodymium magnetic structure
- Excellent thermal exchange

The ND1460 1.4 inch exit neodymium high frequency compression driver has been designed for use in high quality sound systems. The pure titanium diaphragm is produced in house and has been developed to assure unmatched transient response. The diaphragm assembly is made by joining the former directly to the titanium dome using its upper bend edge. In comparison with a usual straight former joint, the driver design assures extended frequency energy transfer giving improved response linearity and unparallel reliability. This feature facilitates proper motion control of the dome in real working conditions. A proprietary treated Nomex former is used as Nomex shows a 30% higher value of tensile elongation at a working operative temperature (200°C) when compared to Kapton. Moreover, this proprietary former material is also suitable for use in high moisture content environments. By carefully using elementary pieces of neodymium magnets, Eighteen Sound engineers have developed a powerful neodymium magnet assembly capable of reaching 19KGauss in the gap in compact and lightweight structures. The motor structure, throughout the precisely coherent phase plug with 3 circumferential slots and copper ring on the pole piece, reduces inductance effects and distortion. Four top plate air ducts have been designed to act as a loading chamber for the diaphragm, implementing mid band distortion and response figures. 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 which leads to a lower power compression value. The ability of equipment to perform properly under inclement weather conditions is a key feature of the Eighteen Sound philosophy. Hence, a special treatment is applied to the magnet and the top and back plates of the magnetic structure which increases the ND1460 resistance to the corrosive effects of salts and oxidization. This treatment is more effective than any other treatment in use today.



SPECIFICATIONS¹

Throat Diameter	35 mm (1.4 in)
Nominal Impedance	16 Ω
Minimum Impedance	9.9 Ω
Nominal Power Handling ²	100 W
Continuous Power Handling ³	200 W
Sensitivity ⁴	109.0 dB
Frequency Range	0.5 - 20.0 kHz
Recommended Crossover ⁵	0.8 kHz
Voice Coil Diameter	75 mm (3.0 in)
Winding Material	Aluminum
Diaphragm Material	Titanium
Flux Density	1.9 T
Magnet Material	Neodymium

MOUNTING AND SHIPPING INFO

Overall Diameter	132 mm (5.2 in)
Depth	62 mm (2.44 in)
Net Weight	2.9 kg (6.39 lb)
Shipping Weight	3.0 kg (6.61 lb)
Shipping Box	132x132x68 mm (5.20x5.20x2.68 in)

1. Driver mounted on Eighteen Sound XR1464C horn
2. 2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated nominal impedance.
3. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
4. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
5. 12 dB/oct. or higher slope high-pass filter.