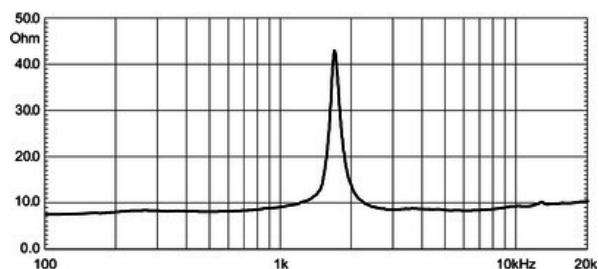
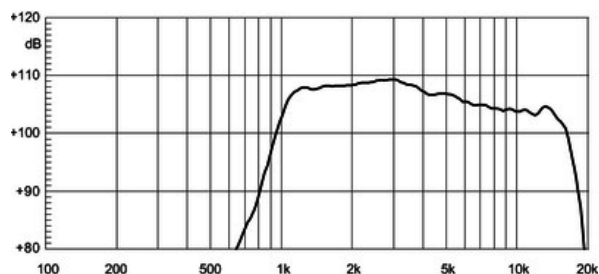


- 1 inch exit throat
- 108 dB SPL 1W/1m average sensitivity
- 25,4 mm (1 in) edgewound aluminum voice coil
- 50 Watt program power handling
- Low weight, easy mounting and handling structure
- Usable in two way or multiway systems
- 90° x 60° coverage Constant directivity pattern
- Unique Eighteen Sound elliptical shape

The XD125 has been designed for 2 way or 3 way systems. It will deliver an unmatched combination of extended linear frequency response and very high efficiency. The major advancement in XD125 compression driver consists in a new innovative diaphragm assembly made in proprietary treated polyethylene material. This design maintains the minimum resonance frequency point value at 1600Hz, extending the frequency response in the mid region when compared to previous compression driver model, the XD120. The design of diaphragm and surround in polyester material allows better control in terms of movement and mechanical stress. Radial ribs increase stiffness avoiding uncontrolled vibration modes in the usable frequency range. An edge-wound aluminum voice coil, wound on proprietary treated Nomex, completes diaphragm assembly. Proprietary treated Nomex former, thanks to its physical properties, shows 30% higher value of tensile elongation at working operative temperature(200°C) when compared to Kapton. This plus is capable to keep properly energy transfer control to the dome in real working conditions. Moreover, Eighteen Sound voice coil proprietary Nomex former is suitable to work also in environments with higher moisture contents. The polypropylene phase plug is the result of a meticulous design exercise. Its shape assures the correct acoustic impedance of the radiating dome, reducing distortion levels across a very wide range of frequency. Final result is a smooth coherent wavefront in the horn entrance, high thermal stability and manufacturing consistency. The compact and lightweight ceramic magnet assembly has been designed to obtain 16KGauss in the gap. The XD125 pressure die-cast polyurethane foam horn maintains constant nominal 90° Horizontal x 60° Vertical pattern control, providing consistent on-axis and off-axis frequency response from 2kHz to 16kHz in the horizontal plane and from 2,5kHz to 16 kHz in the vertical plane. Horn directivity is constant from 2,5kHz. Computer Aided Finite Element Analysis and extensive testing were used to obtain the horn contours. Horn is designed to be free of resonance and vibrations assuring maximum strength.





# XD125 8Ω

## HF Drivers - 1.0 Inches

### SPECIFICATIONS<sup>1</sup>

|                                        |                |
|----------------------------------------|----------------|
| Throat Diameter                        | 25 mm (1.0 in) |
| Nominal Impedance                      | 8 Ω            |
| Minimum Impedance                      | 8.0 Ω          |
| Nominal Power Handling <sup>2</sup>    | 25 W           |
| Continuous Power Handling <sup>3</sup> | 50 W           |
| Sensitivity <sup>4</sup>               | 109.0 dB       |
| Frequency Range                        | 2.0 - 18.0 kHz |
| Recommended Crossover <sup>5</sup>     | 2.5 kHz        |
| Voice Coil Diameter                    | 25 mm (1.0 in) |
| Winding Material                       | Aluminum       |
| Diaphragm Material                     | Polyester      |
| Flux Density                           | 1.65 T         |
| Magnet Material                        | Ferrite        |

### MOUNTING AND SHIPPING INFO

|                 |                  |
|-----------------|------------------|
| Net Weight      | 1.1 kg (2.43 lb) |
| Shipping Weight | 1.2 kg (2.65 lb) |

1. Driver mounted on Eighteen Sound XR1064 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.