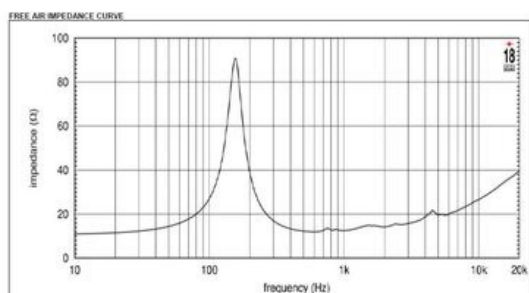




- 100,5 dB SPL 1W/ 1m average sensitivity
- 45 mm (1,77 in) edgewound aluminum voice coil
- 180 WAES power handling
- Neodymium motor assembly
- Extremely high sound quality
- Very shallow profile, 58 mm (2,3 in)
- Suitable for horn and direct radiation midrange applications

The 6ND410 is a very high output, state-of-the-art midrange product for high quality professional use. The high level of sound quality has been achieved thanks to extensive research by Eighteen Sound engineers which focused on implementing mid frequencies intelligibility. The 6ND410 can be used as a midrange in both horn and direct radiation, closed or reflex enclosures, as small as 2 liters. The extremely powerful external neodymium magnet assembly assures high flux concentration, low power compression and excellent heat exchange. Consequently, the levels of force factor and power handling are at a top professional level with an optimum power to weight ratio. A consistent heat transfer is guaranteed by the encapsulation of the magnetic structure in the interior of the basket, offering a large contact space between the back plate and the dissipating structure. The curvilinear cone-surround, has been created using computer aided vibrational modelling software to move all undesired bell modes out of the usable frequency range. The 45 mm edge-wound voice coil assembly and terminals have been designed to minimise the moving mass while reinforcing force transmission. The 3 threaded back plate holes give the final user the opportunity to insert an external customised heat sink, if further heat dissipation is required. A proprietary humidity-block cone treatment makes the transducer suitable for outdoor use in adverse weather conditions. In addition, a special coating applied to both the top and back plates makes the 6ND410 far more resistant to the corrosive effects of salts and oxidization.



SPECIFICATIONS

| | |
|--|-----------------|
| Nominal Diameter | 152 mm (in) |
| Nominal Impedance | 16 Ω |
| Minimum Impedance | 12.0 Ω |
| Nominal Power Handling ¹ | 180 W |
| Continuous Power Handling ² | 240 W |
| Sensitivity ³ | 102.0 dB |
| Frequency Range | 200 - 8000 Hz |
| Voice Coil Diameter | 44 mm (1.75 in) |
| Winding Material | aluminum |

DESIGN

| | |
|------------------------|---|
| Surround Shape | Double roll |
| Cone Shape | Curvilinear |
| Magnet Material | Neo |
| Woofers Cone Treatment | Weather protected |
| Recommended Enclosure | 3.0 dm ³ (0.11 ft ³) |

PARAMETERS⁴

| | |
|---------------------|--|
| Resonance Frequency | 149 Hz |
| Re | 10.6 Ω |
| Qes | 0.55 |
| Qms | 4.14 |
| Qts | 0.48 |
| Vas | 6.2 dm ³ (0.22 ft ³) |
| Sd | 143.0 cm ² (22.17 in ²) |
| Xmax | 2.0 mm |
| Mms | 8.8 g |
| Bl | 13.0 Txm |
| Le | 0.14 mH |
| EBP | 270 Hz |

MOUNTING AND SHIPPING INFO

| | |
|-----------------------------|-----------------------------------|
| Overall Diameter | 162 mm (6.38 in) |
| Bolt Circle Diameter | 170 mm (6.69 in) |
| Baffle Cutout Diameter | 148.0 mm (5.83 in) |
| Depth | 60 mm (2.36 in) |
| Flange and Gasket Thickness | 9 mm (0.35 in) |
| Net Weight | 1.25 kg (2.76 lb) |
| Shipping Weight | 1.35 kg (2.98 lb) |
| Shipping Box | 185x170x85 mm (7.28x6.69x3.35 in) |

1. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
2. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
3. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.