

- 102 dB SPL 1W / 1m average sensitivity
- 75 mm (3 in) Interleaved Sandwich Voice coil (ISV)
- 450 WAES power handling
- Neodymium magnet assembly
- Very shallow profile, 124 mm (4,9 in)
- Water resistant cone
- Suitable for midrange and mid-bass loaded applications

The 12ND610 is an extremely high output neodymium mid-bass transducer perfect for high quality professional systems. It has been designed for midrange and midbass frequency reproduction in horn-loaded, as well as bass-reflex compact enclosures.

The transducer's extremely powerful neodymium magnet assembly assures high flux concentration, low power compression and excellent heat exchange. The levels of force factor and power handling result in the best power to weight ratio on the market today.

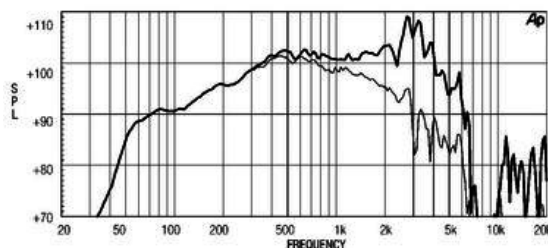
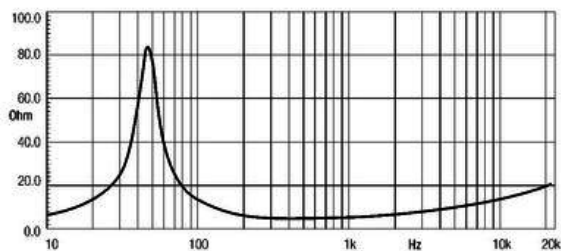
12ND610 curvilinear paper cone has been designed by 18 Sound engineers with a special high-strength wood pulp to achieve the best possible linearity within its intended frequency range and to control bell-mode resonances around the cone circumference.

Its cone is capable of carrying significant loadings thanks to a dedicated reinforcing treatment. The cone is carried by a multiroll suspension built from a linen-like material, which is more resistant to aging and fatigue than traditional materials.

The 75 mm (3 in) state-of-the-art inside outside voice coil is similar to the one fitted to our top-of-the-range 18" and 15" models but it's wound with aluminum wire. It 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.

The final result is an extremely linear motor assembly with a reduced tendency for eccentric behavior when driven hard.

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 12ND610 far more resistant to the corrosive effects of salts and oxidation.



ESPECIFICACIÓN

Diámetro nominal	300 mm (in)
Impedancia nominal	8 Ω
Impedancia mínima	4.2 Ω
Manejo de potencia nominal	450 W
Manejo de potencia continua	700 W
Sensibilidad	102.0 dB
Rango de frecuencia	80 - 5500 Hz
Diámetro de la bobina	75 mm (3.0 in)
Material de la bobina	aluminum

DISEÑO

Recinto recomendado	25.0 dm ³ (0.88 ft ³)
Sintonía recomendada	50 Hz

PARÁMETROS

Frecuencia de resonancia	46 Hz
Re	5.9 Ω
Qes	0.15
Qms	4.3
Qts	0.14
Vas	94.4 dm ³ (3.33 ft ³)
Sd	531.0 cm ² (82.31 in ²)
Xmax	3.5 mm
Mms	49.0 g
Bl	24.0 Txm
Le	1.17 mH
EBP	306 Hz

INFORMACIÓN DE MONTAJE Y ENVÍO

Diámetro total	315 mm (12.4 in)
Diámetro de circunferencia de los tornillos	296 mm (11.65 in)
Diámetro de la perforación en el baffle	282.0 mm (11.1 in)
Profundidad	124 mm (4.88 in)
Espesor del reborde y junta	11 mm (0.43 in)
Peso neto	3.9 kg (8.6 lb)
Peso del envío	4.6 kg (10.14 lb)
Caja de envío	332 x 332 x 184 mm (13.07x13.07x7.24 in)