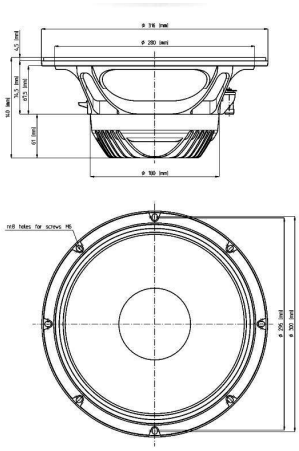
12ND830 8Ω

Altavoces LF - 12.0 Inches



- 99 dB SPL 1W / 1m average sensitivity
- 75 mm (3 in) Interleaved Sandwich Voice coil (ISV)
- 450 W AES power handling
- Neodymium magnet assembly
- Ideal for compact reflex enclosures and two-way systems

The 12ND830 is a 300mm (12 in) neodymium Mid-bass transducer, and differs from the 12ND930 in the wire conception, offering a lighter speaker with a lower force factor. The 12ND830 finds its ideal application in compact reflex enclosures where a considerable amount of low frequencies and low distortion are required. Its optimum low weight makes it suitable for fixed installations or portable professional loudspeaker systems. The neodymium magnet assembly developed by Eighteen Sound engineers assures a high flux concentration, low power compression and excellent heat exchange since the external magnet configuration is considerably more efficient than traditional under-pole magnet topology. The direct contact between the large heat sink and the specially designed basket, together with the magnetic structure, represents a fundamental improvement in thermal connection and heat dissipation. The result is increased power handling capabilities and lower power compression. The deep profile curvilinear cone, made from a special high strength wood pulp, has been designed to achieve the best possible linearity within its frequency range. The cone surround, made from linen material is highly resistant to aging and fatigue. The in-house developed cone treatment is fully water repellent and also gives a significant degree of rigidity to the cone. The 75 mm Interleaved Sandwich Voice coil (ISV) assembly is wound on a strong fiberglas former which improves force transmission and thermal power handling. A special coating applied to both the top and back plates makes the 12ND830 far more resistant to the corrosive effects of salts and oxidization.

Eighteen Sound Srl
Via Botticelli 8 - 42124 Mancasale (RE) - ITALY - Ph. +39 0522 1861800 - Fax +39 0522 1861801 - info@eighteensound.it

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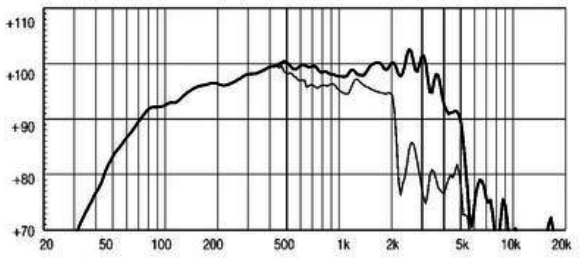

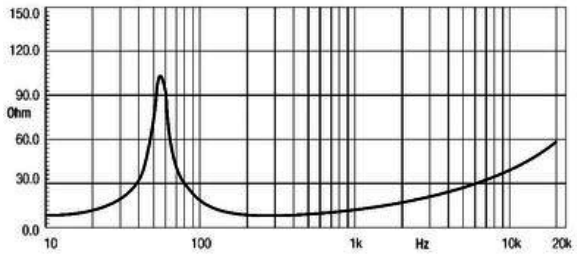

ESPECIFICACIÓN

Diámetro nominal	300 mm (in)
Impedancia nominal	8 Ω
Impedancia minima	7.0 Ω
Manejo de potencia nominal	450 W
Manejo de potencia continua	700 W
Sensibilidad	99.0 dB
Rango de frecuencia	53 - 5000 Hz
Diámetro de la bobina	75 mm (3.0 in)
Material de la bobina	aluminum

DISEÑO

Recinto recomendado	75.0 dm^3 (2.65 ft^3)
Sintonía recomendada	55 Hz

PARÁMETROS

Frecuencia de resonancia	55 Hz
Re	5.7 Ω
Qes	0.3
Qms	5.15
Qts	0.28
Vas	72.0 dm^3 (2.54 ft^3)
Sd	531.0 cm^2 (82.31 in^2)
Xmax	6.5 mm
Mms	46.0 g
Bl	17.6 Txm
Le	1.5 mH
EBP	183 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	140 mm (5.51 in)
Espesor del reborde y junta	9 mm (0.35 in)
Peso neto	4.3 kg (9.48 lb)
Peso del envío	5.0 kg (lb)
Caja de envío	332 x 332 x 184 mm (13.07x13.07x7.24 in)

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