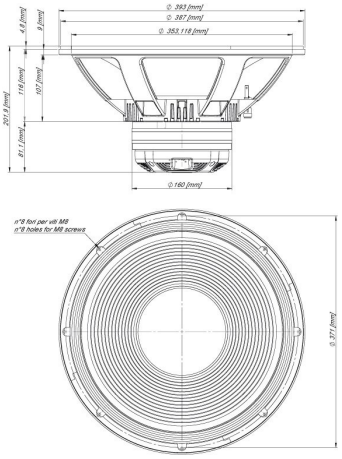
15NCX1000 8Ω

Coaxiales - 15.0 Inches



- 96dB LF -108dB HF SPL 2.83v average sensitivity
- Dual neodymium magnet single motor
- 1200W LF - 260W HF maximum program power handling
- Smooth on/off axis 90° response
- 100 mm (4”) Interleaved Sandwich LF Voice coil (ISV)
- Aluminum Demodulating Ring (SDR) for minimum LF distortion
- 100 mm (4”) Edge-wound Aluminum ribbon HF voice coil (EWAL)
- HF pure titanium diaphragm
- HF copper sleeve for reduced distortion and higher output
- Smooth on/off axis 90° response
- Suitable for compact enclosures and stage monitors

The 15NCX1000 is a 15" diameter neodymium coaxial transducer designed for use in compact reflex enclosures and stage monitors. The LF cone provides smooth response within its intended frequency range thanks to its high damping pulp composition. Equipped with proprietary phase plug, the integrated 100mm (4") HF compression driver has been designed to give smooth coherent wavefront in the horn entrance in all working frequency range and high level manufacturing consistency. The phase plug assures low distortion with remarkable improvements in mid-high frequency reproduction. A copper ring on the pole piece reduces the inductance figure of frequencies above 10 kHz, improving phase and impedance linearisation.
The 4" diameter HF diaphragm assembly uses a high strength, high temperature treated Nomex voice coil former joined directly to the titanium diaphragm on its upper bend edge, assuring extended frequency energy transfer. This improves linearity and shows unparalleled reliability when compared with a straight former joint.
A specific HF exit profile design has been chosen in order to maximize the cone’s profile coupling. The unique dual magnet single motor features high grade neodymium that makes the 15NCX1000 a lightweight speaker for its performance class.

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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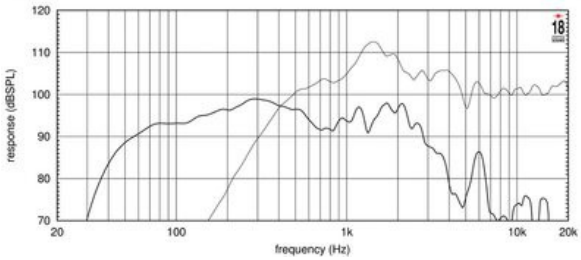

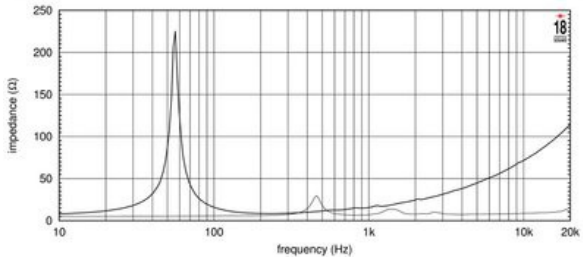

ESPECIFICACIÓN

Diámetro nominal	380 mm (14.96 in)
Impedancia nominal	8 Ω
Impedancia minima LF	6.1 Ω
Rango de frecuencia	44 - 3600 Hz
Ángulo de dispersión	90 °
Tratamiento del cono del woofer	Water repellent

ESPECIFICACIONES UNIDAD LF

Sensibilidad de LF	96.0 dB
Manejo de potencia nominal de LF	600 W
Manejo de potencia continua de LF	1200 W
Diámetro de la bobina de LF	100 mm (4.0 in)
Material de ls bobina LF	CCAW Aluminum

ESPECIFICACIONES UNIDAD HF

Sensibilidad de HF	108.0 dB
Manejo de potencia nominal de HF	130 W
Manejo de potencia continua de HF	260 W
Diámetro de la bobina de HF	100 mm (4.0 in)
Cruce recomendado	1.0 kHz

PARÁMETROS

Frecuencia de resonancia	53 Hz
Re	6.3 Ω
Qes	0.32
Qms	10.4
Qts	0.31
Vas	75.0 dm^3 (2.65 ft^3)
Sd	881.0 cm^2 (136.56 in^2)
η_0	4.2 %
Xmax	7.5 mm
Mms	110.0 g
Bl	27.5 Txm
Le	1.4 mH
EBP	165 Hz

INFORMACIÓN DE MONTAJE Y ENVÍO

Diámetro total	393 mm (15.47 in)
Diámetro de circunferencia de los tornillos	371 mm (14.61 in)
Diámetro de la perforación en el baffle	354 mm (13.94 in)
Profundidad	197 mm (7.76 in)
Espesor del reborde y junta	12 mm (0.47 in)
Peso neto	8.5 kg (18.74 lb)
Peso del envío	9.6 kg (21.16 lb)
Caja de envío	405 x 405 x 260 mm (15.94x15.94x10.24 in)

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