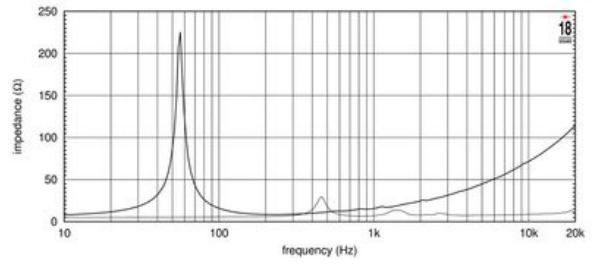
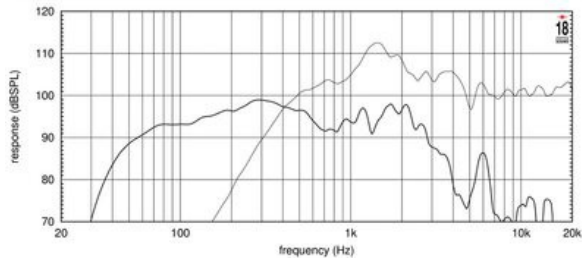


- 96dB LF -108dB HF SPL 2.83v average sensitivity
- Dual neodymium magnet single motor
- 1200W LF - 260W HF maximum program power handling
- Smooth on/off axis 90° response
- 100 mm (4") Interleaved Sandwich LF Voice coil (ISV)
- Aluminum Demodulating Ring (SDR) for minimum LF distortion
- 100 mm (4") 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.





# 15NCX1000 8Ω

Coaxials - 15.0 Inches

## SPECIFICATIONS

Nominal Diameter	380 mm (14.96 in)
Nominal Impedance	8 Ω
Minimum Impedance LF	6.1 Ω
Frequency Range	44 - 3600 Hz
Dispersion Angle <sup>1</sup>	90 °
Woofer Cone Treatment	Water repellent

## SPECIFICATIONS HF UNIT

HF Sensitivity <sup>5</sup>	108.0 dB
HF Nominal Power Handling <sup>6</sup>	130 W
HF Continuous Power Handling <sup>7</sup>	260 W
HF Voice Coil Diameter	100 mm (3.94 in)
HF Winding Material	Edge wound CCAW
Diaphragm Material	Titanium
Recommended Crossover <sup>8</sup>	1.0 kHz

## SPECIFICATIONS LF UNIT

LF Sensitivity <sup>2</sup>	96.0 dB
LF Nominal Power Handling <sup>3</sup>	600 W
LF Continuous Power Handling <sup>4</sup>	1200 W
LF Voice Coil Diameter	100 mm (3.94 in)
LF Winding Material	CCA W Aluminum

## PARAMETERS

Resonance Frequency	53 Hz
Re	6.3 Ω
Qes	0.32
Qms	10.4
Qts	0.31
Vas	75.0 dm <sup>3</sup> (2.65 ft <sup>3</sup> )
Sd	881.0 cm <sup>2</sup> (136.56 in <sup>2</sup> )
η <sub>o</sub>	4.2 %
X <sub>max</sub>	7.5 mm
M <sub>ms</sub>	110.0 g
Bl	27.5 Txm
Le	1.4 mH
EBP	165 Hz

## MOUNTING AND SHIPPING INFO

Overall Diameter	393 mm (15.47 in)
Bolt Circle Diameter	371 mm (14.61 in)
Baffle Cutout Diameter	354 mm (13.94 in)
Depth	197 mm (7.76 in)
Flange and Gasket Thickness	12 mm (0.47 in)
Net Weight	7.0 kg (15.43 lb)
Shipping Weight	7.9 kg (17.42 lb)
Shipping Box	405 x 405 x 260 mm (15.94x15.94x10.24 in)

1. Included by -6 dB down points.
2. Applied RMS Voltage is set to 2.83V.
3. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
4. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
5. Applied RMS Voltage is set to 2.83V.
6. 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. Loudspeaker in free air.
7. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
8. 12 dB/oct. or higher slope high-pass filter.