



- 99.5 dB LF / 108 dB HF SPL 1W/1m average sensitivity
- 900W LF - 240W HF maximum program power handling
- Single magnet neodymium motor
- 75 mm (3") Interleaved Sandwich LF Voice coil (ISV)
- Aluminum Demodulating Ring (SDR) for minimum LF distortion
- 75 mm (3") HF Nitride coat titanium diaphragm
- Edge-wound Aluminum ribbon HF voice coil (EWAL)
- HF copper sleeve for reduced distortion and higher output
- 80 degrees nominal conical dispersion
- Suitable for very compact enclosures and stage monitors

The 12NCX910N is a 12" diameter neodymium coaxial transducer designed for use in compact reflex enclosures and stage monitors as small as 25 lt with a nominal dispersion of 80 degrees.

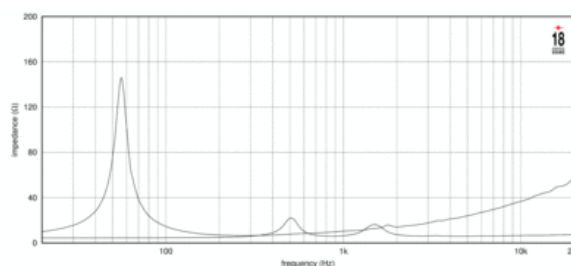
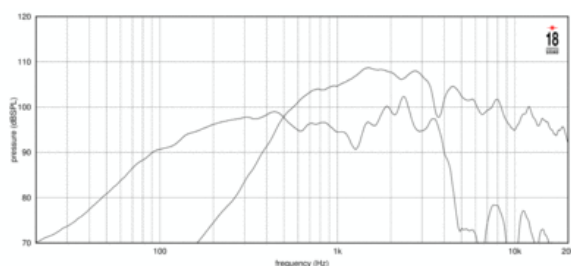
The curvilinear profile LF cone provides smooth response within its intended frequency range thanks to its high damping pulp composition.

The 75 mm (3 in) LF copper voice coil employs our Interleaved Sandwich Voice coil (ISV) technology, in which a high strength former carries windings on both the outer and inner surfaces. This results in a balanced coil with a uniform distribution of mass and motive energy and an extremely linear motor assembly.

The low distortion and sound quality are further improved by an aluminum demodulating ring (SDR technology) that flatten LF impedance and phase with a constant power transfer. Equipped with proprietary architecture, the integrated 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, assuring low distortion and 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 linearization.

The 3" diameter HF diaphragm assembly uses a high strength, high temperature treated Nomex voice coil former joined directly to the titanium diaphragm which is treated with our proprietary nitride coat to improve stiffness, 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. Due to the widespread use of high power audio systems at outdoor events, the ability to perform in adverse weather conditions is an additional key feature of the 12NCX910N. This has been achieved using exclusive cone and magnet plate treatment processes which increase resistance against corrosion and make the cone water repellent.





12NCX910N 8Ω

Coaxiales - 12.0 Inches

ESPECIFICACIÓN

Diámetro nominal	300 mm (11.81 in)
Impedancia nominal	8 Ω
Impedancia mínima LF	6.4 Ω
Impedancia mínima HF	6.1 Ω
Rango de frecuencia	60 - 4000 Hz
Ángulo de dispersión	80 °

ESPECIFICACIONES UNIDAD HF

Sensibilidad de HF	108.0 dB
Manejo de potencia nominal de HF	120 W
Manejo de potencia continua de HF	240 W
Diámetro de la bobina de HF	75 mm (3.0 in)
Material de la bobina de HF	Edge wound Aluminum
Material del diafragma	Titanium
Cruce recomendado	1.5 kHz

ESPECIFICACIONES UNIDAD LF

Sensibilidad de LF	99.5 dB
Manejo de potencia nominal de LF	450 W
Manejo de potencia continua de LF	900 W
Diámetro de la bobina de LF	75 mm (3.0 in)

PARÁMETROS

Frecuencia de resonancia	57 Hz
Re	5.3 Ω
Qes	0.31
Qms	10.0
Qts	0.3
Vas	58.0 dm ³ (2.05 ft ³)
Sd	531.0 cm ² (82.31 in ²)
η _o	3.4 %
X _{max}	6.9 mm
Excursión máxima	7.5 mm
M _{ms}	53.0 g
Bl	18.1 Txm
Le	0.78 mH
EBP	183 Hz

INFORMACIÓN DE MONTAJE Y ENVÍO

Diámetro total	310 mm (12.2 in)
Diámetro de circunferencia de los tornillos	295 mm (11.61 in)
Diámetro de la perforación en el baffle	283 mm (11.14 in)
Profundidad	210 mm (8.27 in)
Espesor del reborde y junta	13 mm (0.53 in)
Peso neto	6.0 kg (13.23 lb)
Peso del envío	6.5 kg (14.33 lb)
Caja de envío	332 x 332 x 184 mm (13.07x13.07x7.24 in)