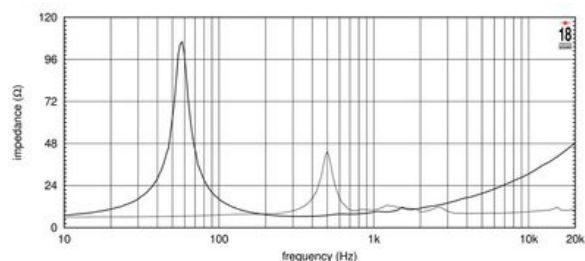
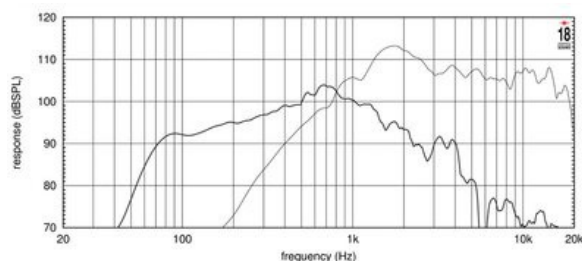


- 97dB LF / 107dB HF SPL 1W/1m average sensitivity
- Single magnet neodymium motor
- 800W LF - 140W HF program power handling
- 75 mm (3") LF Interleaved Sandwich Voice coil (ISV)
- Aluminum demodulating ring (SDR) for minimum LF distortion
- 60 mm (2.4") HF Titanium diaphragm
- Edge-wound Aluminum ribbon 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 monitor

The 12NCX750 is a 12" neodymium coaxial transducer designed for use in compact reflex enclosures and stage monitors as small as 40 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 75mm (3in) LF copper voice coil employs 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 constant power transfer. Equipped with proprietary hybrid radial tangerine phase plug, the integrated HF compression driver has been designed to give smooth coherent wavefront in the horn entrance in all working frequency range with an high level of manufacturing consistency. The phase plug, with its short openings and high flare rate value, assures low distortion and remarkable improvements in mid-high frequency reproduction. A copper sleeve reduces inductance value above 10 kHz, improving phase and impedance linearisation.

The 2.4" 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 high force neodymium single magnet structure makes the 12NCX750 a lightweight speaker for its performance class - only 4,7 kg (10.36 lb). The XO12NCX dedicated passive crossover filter is offered, making this neo coaxial speaker a ready-to-use transducer system. 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 12NCX750. This has been achieved using exclusive cone and magnet plate treatment processes which increase resistance against corrosion and make the cone water repellent.





12NCX750 8Ω

Coaxiales - 12.0 Inches

ESPECIFICACIÓN

Diámetro nominal	300 mm (11.81 in)
Impedancia nominal	8 Ω
Impedancia mínima LF	6.4 Ω
Rango de frecuencia	60 - 5000 Hz
Ángulo de dispersión	80 °
Tratamiento del cono del woofer	Water repellent
Material del imán	Neodymium

ESPECIFICACIONES UNIDAD HF

Sensibilidad de HF	107.0 dB
Manejo de potencia nominal de HF	70 W
Manejo de potencia continua de HF	140 W
Diámetro de la bobina de HF	64 mm (2.5 in)
Material de la bobina de HF	Edge wound Aluminum
Material del diafragma	Titanium
Cruce recomendado	1.2 kHz

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	280 mm (11.02 in)
Profundidad	148 mm (5.83 in)
Espesor del reborde y junta	14 mm (0.55 in)
Peso neto	4.5 kg (9.92 lb)
Peso del envío	5.0 kg (11.02 lb)
Caja de envío	332 x 332 x 184 mm (13.07x13.07x7.24 in)

ESPECIFICACIONES UNIDAD LF

Sensibilidad de LF	97.0 dB
Manejo de potencia nominal de LF	400 W
Manejo de potencia continua de LF	800 W
Diámetro de la bobina de LF	75 mm (3.0 in)
Material de la bobina LF	- Copper -

PARÁMETROS

Frecuencia de resonancia	58 Hz
Re	5.4 Ω
Qes	0.31
Qms	6.42
Qts	0.29
Vas	63.0 dm ³ (2.22 ft ³)
Sd	531.0 cm ² (82.31 in ²)
η _o	4.8 %
X _{max}	5.5 mm
M _{ms}	48.0 g
Bl	17.5 Txm
Le	0.62 mH
EBP	187 Hz

CRUCE DE ALTAVOZ

Impedancia Nominal	8.0 Ω
Pendiente de paso bajo	24.0 dB/oct
Pendiente de paso alto	12.0 dB/oct