COAXIAL

NDCX 12-1

INTERNAL REF. 708300

KEY FEATURES

800 Watt Max Power (LF)

120 Watt Max Power (HF)

64 mm (2.5 in) voice coil, copper wire (LF)

44 mm (1.73 in) voice coil, aluminium wire (HF)

Interleaved sandwich voice coil (LF)

Kapton diaphragm (HF)

Neodymium magnet assembly

Copper short, cap for extended frequency responce (HF

Weather protected membrane for outdoor use (LF)

MECHANICAL & SHIPPING INFORMATIONS

Net weight	4 kg
Overall Diameter	315 mm
Overall Depth	170 mm
Baffle Cut Diameter	282 mm
Mounting bolt diameter	296 mm

MATERIALS

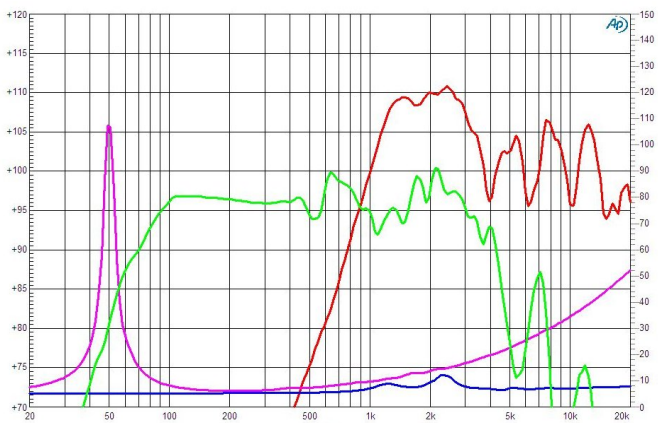
Voice Coil Former Material	Kapton (LF-HF)
Voice Coil Wire	Copper (LF), Aluminium (HF)
Membrane Material	Doped Paper (LF), Kapton (HF)
Membrane Shape	Exponential (LF), Dome (HF)
Magnet Type	Neodymium

GENERAL SPECIFICATIONS

	LF	HF
Nominal Diameter	12 in - 320 mm	1 in - 25.4 mm
Nominal Impendance	8 Ohm	8 Ohm
Power handling (AES) (*)	400 Watt	60 Watt
Max Power	800 Watt	120 Watt
Frequency Range	20 ÷ 2000 Hz	1000 ÷ 15000 Hz
Voice Coil Diameter	2.5 in - 64 mm	1.73 in - 44 mm
S.P.L. (1w, 1m)	96 dB	106 dB
Nominal Fs	48 Hz	1200 Hz
Flux Density	1.05 T	1.95 T

THIELE-SMALL PARAMETERS

Qms	17.98
Qes	0.58
Qts	0.56
Fs	49.70 Hz
Re	5.52 Ohm
Mms	55.84 g
Cms	0.18 mm/N
Bl	12.90 T*m
Sd	535.00 cm²
Vas	73.74 liter
u0	1.51 %
XMax	5.5 mm
Le	0.61 mH
Rms	0.97 Kg/s
Efficiency Bandwidth	85.93

DIAGRAM

Frequency Response	Reflex Box (60 dmc) - 2.83 V - 1m