

# NDCX 12-1

## COAXIAL

INTERNAL REF. 708300



### KEY FEATURES

- 600 Watt Max Power (LF)
- 100 Watt Max Power (HF)
- 64 mm (2,5 in) voice coil, aluminium 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 response (HF)
- Weather protected membrane for outdoor use (LF)



GENERAL	LF	HF		
Nominal Diameter	320 mm -12"	25,4 mm - 1,"		
Nominal Impedance	8,00 Ohm	8,00 Ohm		
Nominal Rdc	5,5 Ohm	5,4 Ohm	±0,4	Ohm
Power handling (AES)(*)	300 Watt	60 Watt		
Max Power	600 Watt	120 Watt		
Voice Coil Diameter	64 mm	44 mm	2,5/1,73	in
S.P.L. (1w,1m)	96 dB	106 dB	±1,5	dB
Nominal Fs	48 Hz	1200 Hz	±5	Hz
Flux Density	1,05T	1,95 T	±0,08	T
Frequency Range	20-2000 Hz	1000-15000 Hz		
Sinusoidal Test Voltage	15 V	3 V		

(\*) Life Test

Box Volume	60 liters
Input Signal	Pink noise
Band Pass Filter	20-2000Hz,12dB/oc
V on Speaker	45 V
Test duration	2 hours

### MECHANICAL DATA

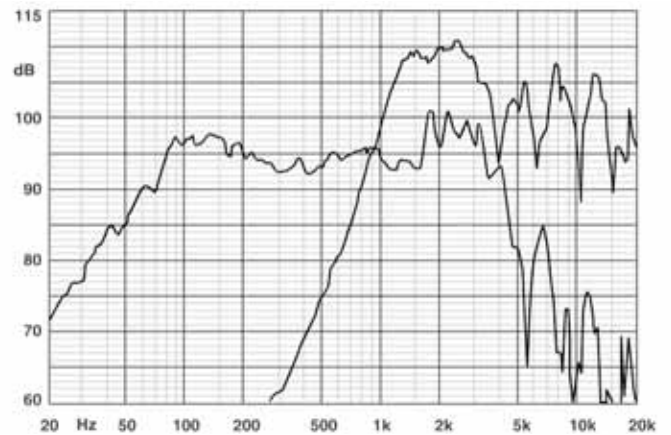
Weight	4	kg
Overall Diameter	315	mm
Overall Depth	170	mm
Baffle Cut Diameter	282	mm
Mounting holes number	8	
Mounting holes diameter	7	mm
Mounting bolt diameter	296	mm

### MATERIALS

Frame Material	Aluminium
Voice Coil Former	Kapton (LF - HF)
Voice Coil Wire	Aluminium
Membrane Material	Doped Paper (LF), Kapton (HF)
Membrane Shape	Exponential (LF), Dome (HF)
Surround Material	Doped Nomex fabric (LF), Kapton (HF)
Surround Shape	Two rolls (LF), Flat (HF)
Suspension Material	Doped Nomex fabric (LF)
Magnet Type	Neodymium
Magnet Notes	460 g

### DIAGRAM

Frequency Response	Reflex Box (60 dmc) - 2,83 V
Impedance	(Iac=10m A)



### THIELE-SMALL PARAMETERS

Qms	17,98	Sd	535,00	cm <sup>2</sup>
Qes	0,58	Vas	73,74	liter
Qts	0,56	u0	1,51	%
Fs	49,70	Hz	Xmax	5,5
Re	5,52	Ohm	Le	0,61
Mms	55,84	g	Rms	0,97
Cms	0,18	mm/N	Efficiency	
Bl	12,90	T*m	Bandwidth Product	85,93

Air gap height = mm.8

Winding height = mm.15