

# NDC 21-5

INTERNAL REF. 712901

**CIARE**

## KEY FEATURES

- 3000 Watt Max Power
- 135 mm (5,30 in) voice coil, aluminium wire
- Interleaved sandwich voice coil
- Neodymium magnet assembly
- Weather protected membrane for outdoor use
- Ventilated voice coil and magnet circuit for improved heat dissipation
- Double spider for improved control and linearity



## GENERAL

Nominal Diameter	21" - 530 mm	
Nominal Impedance	8 Ohm	
Nominal Rdc	6,2 Ohm	±0,4 Ohm
Power handling (AES) (*)	1500 Watt	
Max Power	3000 Watt	
Voice Coil Diameter	135 mm	5,30 in
S.P.L. (1w, 1m)	97 dB	±1,5 dB
Nominal Fs	27 Hz	±3 Hz
Flux Density	1,25 T	±0,07 T
Frequency Range	20-1000 Hz	
Sinusoidal Test Voltage	20 V	

(\*) Life Test

Box Volume	180 liters
Input Signal	Pink noise
Band Pass Filter	20-1000Hz, 12dB/oct
V on Speaker	110 V
Test duration	2 hours

## THIELE-SMALL PARAMETERS

Qms	18,93
Qes	0,35
Qts	0,34
Fs	32,20 Hz
Re	6,22 Ohm
Mms	349,58 g
Cms	0,07 mm/N
Bl	35,70 T*m
Sd	1662,00 cm <sup>2</sup>
Vas	270,82 liter
u0	2,53 %
XMax	12,75 mm
Le	1,47 mH
Rms	3,74 Kg/s
Efficiency Bandwidth	93,29

Air gap height=mm 13  
Winding height=mm 32

## MECHANICAL DATA

Weight	12,3 kg
Overall Diameter	540 mm
Overall Depth	248 mm
Baffle Cut Diameter	491 mm
Mounting holes number	8
Mounting holes diameter	6,3 mm
Mounting bolt diameter	518 mm

## MATERIALS

Frame Material	Aluminium
Voice Coil Former	Fiberglass
Voice Coil Wire	Copper
Cone Material	Doped Paper
Cone Shape	Straight
Surround Material	Doped Nomex® fabric
Surround Shape	Three waves
Suspension Material	Doped Nomex® fabric
Magnet Type	Neodymium
Magnet Weight	1090 g

## DIAGRAM

Frequency Response	Reflex Box (160 dmc) - 2,83V - 1m
Impedance	(Iac=10m A)

