

# 4CXN36

8Ω

Coaxials - 4.0 Inches



- 200 W continuous program power capacity
- 70° nominal coverage
- 100 - 18000 Hz response
- 88 dB sensitivity
- 21.5 mm (0.85") HF unit exit diameter
- Neodymium magnet allows a very light yet powerful motor assembly
- Aluminium demodulating ring allows a very low distortion figure

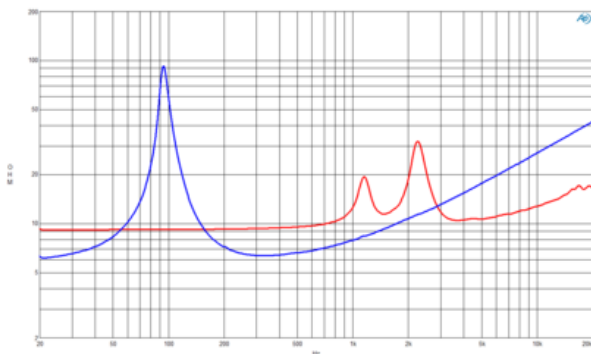
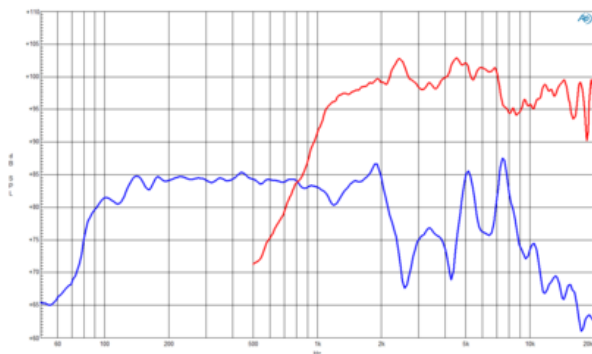


## DESCRIPTION

\*\* Preliminary Data \*\*

# 4CXN36

Coaxials- 4.0 Inches



## SPECIFICATIONS

Nominal Diameter	100 mm (4.0 in)
Nominal Impedance	8 Ω
Minimum Impedance LF	6.4 Ω
Minimum Impedance HF	6.5 Ω
Frequency Range	100 - 18000 Hz
Dispersion Angle <sup>1</sup>	70 °
Woofer Cone Treatment	None
Magnet Material	Neodymium Inside Slug

## SPECIFICATIONS LF UNIT

LF Sensitivity <sup>2</sup>	88.0 dB
LF Nominal Power Handling <sup>3</sup>	100 W
LF Continuous Power Handling <sup>4</sup>	200 W
LF Voice Coil Diameter	33 mm (1.3 in)
LF Winding Material	Copper
LF Flux Density	1.35 T
Former Material	Glass Fibre
Winding Depth	11.0 mm (0.43 in)
Magnetic Gap Depth	6.0 mm (0.24 in)

## SPECIFICATIONS HF UNIT

HF Sensitivity <sup>5</sup>	99.0 dB
HF Nominal Power Handling <sup>6</sup>	25 W
HF Continuous Power Handling <sup>7</sup>	50 W
HF Voice Coil Diameter	36 mm (1.4 in)
HF Winding Material	Aluminium
HF Flux Density	1.5 T
Diaphragm Material	HT Polymer
Recommended Crossover <sup>8</sup>	2.0 kHz
Inductance	0.14 mH

## PARAMETERS

Resonance Frequency	99 Hz
Re	5.5 Ω
Qes	0.76
Qms	13.5
Qts	0.72
Vas	1.9 dm <sup>3</sup> (0.07 ft <sup>3</sup> )
Sd	56.0 cm <sup>2</sup> (8.68 in <sup>2</sup> )
η <sub>o</sub>	0.25 %
X <sub>max</sub>	4.0 mm
X <sub>var</sub>	5.0 mm
M <sub>ms</sub>	6.0 g
Bl	5.3 Txm
Le	0.8 mH
EBP	130 Hz

## MOUNTING AND SHIPPING INFO

Overall Diameter	127 mm (5.0 in)
Bolt Circle Diameter	114 mm (4.49 in)
Baffle Cutout Diameter	103 mm (4.06 in)
Depth	80 mm (3.15 in)
Flange and Gasket Thickness	1 mm (0.04 in)
Net Weight	0.55 kg (1.21 lb)
Shipping Units	1
Shipping Weight	0.75 kg (1.65 lb)
Shipping Box	210x210x125 mm (8.27x8.27x4.92 in)

## SERVICE KIT

Service Kit LF	RCK004CXN368
Replacement diaphragm	MMDE1108

- Included by -6 dB down points.
- Applied RMS Voltage is set to 2.83V.
- 2 hours test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
- Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
- Applied RMS Voltage is set to 2.83V.
- 2 hour test made with continuous pink noise signal (6 dB crest factor) within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated minimum impedance. Loudspeaker in free air.
- Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
- 12 dB/oct. or higher slope high-pass filter.

**B&C Speakers s.p.a.**

Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) - ITALY - Tel. +39 055 65721 - Fax +39 055 6572312 - mail@bcspeakers.com