

4CXN36

ND COAXIAL



Preliminary data

200 W

continuous program
power capacity

70°

nominal coverage

88 dB

sensitivity

100 - 18000 Hz

response

21.5 mm (0.85")
HF unit exit diameter

Neodymium magnet
allows a very light yet
powerful motor
assembly

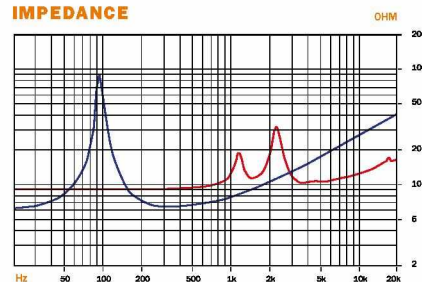
Aluminium
demodulating ring
for very low distortion



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nom. Diameter	100 mm (4 in)
Nom. Impedance	8 Ω
Minimum Impedance	6.4 Ω (LF), 6.5 Ω (HF)
Frequency Range	100 - 18000 Hz
Dispersion Angle ¹	70°
Magnet Material	Neodymium Inside Slug
Waterproof Cone Treatment	None
LF UNIT	
Sensitivity (1W/1m) ²	88 dB
Power Handling Nom. (AES) ³	100 W
Continuous Program ⁴	200 W
Voice Coil Diameter	33 mm (1.3 in)
Winding Material	Copper
Flux Density	1.0 T
Former Material	Glass Fibre
Winding Depth	11.0 mm (0.43 in)
Magnetic Gap Depth	6.0 mm (0.24 in)

HF UNIT

Sensitivity (1W/1m) ²	99 dB
Power Handling Nom. (AES) ³	25 W
Continuous Program ⁴	50 W

Voice Coil Diameter	36 mm (1.4 in)
Winding Material	Aluminium
Diaphragm Material	HT Polymer
Recommended Crossover ⁵	2.0 kHz
Flux Density	1.8 T
Inductance	0.14 mH

MOUNTING AND SHIPPING INFORMATION

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 Weight	0.75 kg (1.65 lb)
Shipping Box	210x210x125 mm (8.27x8.27x4.92 in)

THIELE & SMALL PARAMETERS

Fs	99 Hz
Re	5.5 Ω
Qes	0.76
Qms	13.5
Qts	0.72
Vas	1.9 dm ³ (0.07 ft ³)
Sd	56.0 cm ² (8.68 in ²)
η _o	0.25 %
X max	± 4 mm
X var	± 5 mm
Mms	6 g
Bl	5.3 T·m
Le	0.8 mH
EBP	130 Hz
Service kit LF	RCK04CXN76-8
Service kit HF	MMDDE110-8

¹ 1 Included by -6 dB down points.

² Applied RMS Voltage is set to 2.83V.

³ LF - Two hour test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Loudspeaker in free air.

HF - Two hour test made with continuous pink noise signal (6 dB crest factor) within the range from the recommended crossover frequency to 20 kHz. LF and HF Power calculated on rated minimum impedance.

⁴ Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

⁵ 12 dB/oct. or higher slope high-pass filter.