B&C SPEAKERS®

12CXN88

ND COAXIAL

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Preliminary data

1000 W
continuous program power capacity

60°
nominal coverage

99 dB
sensitivity

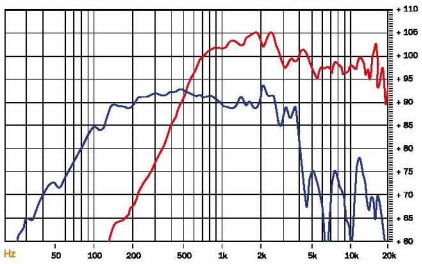
55 - 18000 Hz
response

Single Neodymium magnet assembly

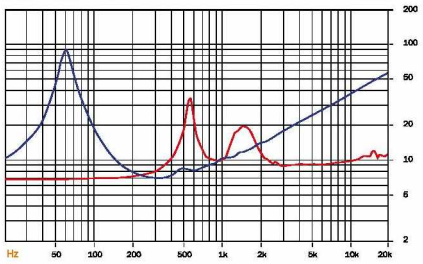
Aluminium demodulating ring for very low distortion

Double silicone spider with optimized compliance

SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nom. Diameter	320 mm (12 in)
Nom. Impedance	8 Ω
Minimum Impedance	6.6 Ω (LF), 8.5 Ω (HF)
Frequency Range	55 - 18000 Hz
Dispersion Angle[1]	60°
Magnet Material	Neodymium Ring
Waterproof cone treatment	Front side

LF UNIT

Sensitivity (1W/1m)[2]	99 dB
Power Handling Nom. (AES)[3]	500 W
Continuous Program[4]	1000 W
Voice Coil Diameter	88 mm (3.5 in)
Winding Material	Aluminuim
Flux Density	1.0 T
Former Material	Glass Fibre
Winding Depth	21.5 mm (0.85 in)
Magnetic Gap Depth	10.0 mm (0.39 in)

HF UNIT

Sensitivity (1W/1m)[2]	105 dB
Power Handling Nom. (AES)[3]	80 W
Continuous Program[4]	160 W
Voice Coil Diameter	75 mm (3.0 in)
Winding Material	Aluminium
Diaphragm Material	Titanium
Recommended Crossover[5]	1.2 kHz
Flux Density	1.75 T
Inductance	0.14 mH

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	315 mm (12.4 in)
Bolt Circle Diameter	298 mm (11.7 in)
Baffle Cutout Diameter	282 mm (11.1 in)
Depth	175 mm (6.89 in)
Flange and Gasket Thickness	13 mm (0.51 in)
Net Weight	6.0 kg (13.23 lb)
Shipping Weight	7.3 kg (16.09 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)

Also available in 4 and 16 Ω, data upon request

THIELE & SMALL PARAMETERS

Fs	55 Hz
Re	5.1 Ω
Qes	0.28
Qms	5.6
Qts	0.27
Vas	40 dm³ (1.41 ft³)
Sd	522 cm² (80.91 in²)
η_0	3.2 %
X max	± 8.5 mm
X var	± 9.0 mm
Mms	64 g
Bl	21.2 T·m
Le	1.05 mH
EBP	196 Hz
Service kit LF	RCK12CXN88-8
Service kit HF	MMD3DTN-8M

[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.