

# 15CXN88

8Ω

Coaxials - 15.0 Inches



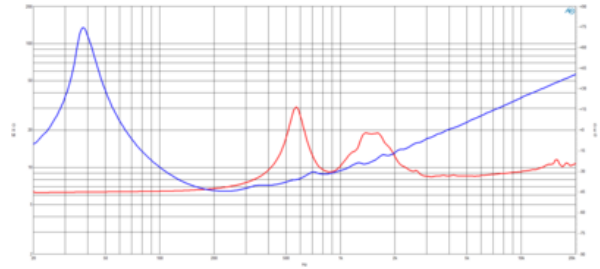
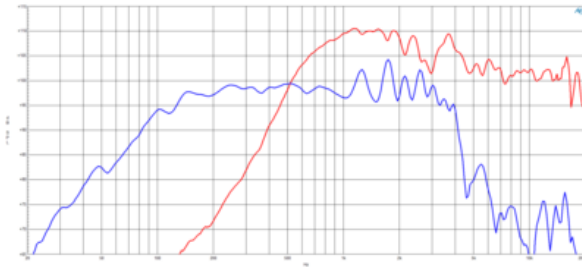
- 1000 W continuous program power capacity
- 80° nominal coverage
- 40 - 18000 Hz response
- 100 dB sensitivity
- Single Neodymium magnet assembly
- Aluminium demodulating ring allows a very low distortion figure
- Double silicone spider with optimized compliance



Continuing our never-ending quest for higher output, we now offer our popular single neodymium magnet coaxials with larger voice coils for increased power handling. A significant increase in magnet mass also improves sensitivity and cone control, while integrating our latest compression driver technologies improves sound quality and durability in the HF as well. For high output applications where fidelity at maximum SPL is the primary concern, consider the 15CXN88, with 3.5" LF and 3" HF voice coils. Power handling has increased to 1000W, while also improving nearly every other parameter (including Xvar) relative to our established 3" coil CXN76 series.

# 15CXN88

Coaxials- 15.0 Inches



## SPECIFICATIONS

|                               |                          |
|-------------------------------|--------------------------|
| Nominal Diameter              | 380 mm (15.0 in)         |
| Nominal Impedance             | 8 Ω                      |
| Minimum Impedance LF          | 5.8 Ω                    |
| Minimum Impedance HF          | 8.5 Ω                    |
| Frequency Range               | 40 - 18000 Hz            |
| Dispersion Angle <sup>1</sup> | 80 °                     |
| Woofer Cone Treatment         | WP Waterproof Front Side |
| Magnet Material               | Neodymium Ring           |

## PARAMETERS

|                     |   |
|---------------------|---|
| Resonance Frequency | 40 Hz   |
| Re                  | 5.0 Ω   |
| Qes                 | 0.26  |
| Qms                 | 10.3  |
| Qts                 | 0.25  |
| Vas                 | 178.0 dm <sup>3</sup> (6.29 ft <sup>3</sup> )   |
| Sd                  | 855.0 cm <sup>2</sup> (132.53 in <sup>2</sup> ) |
| η <sub>o</sub>      | 4.2 %   |
| X <sub>max</sub>    | 8.5 mm  |
| X <sub>var</sub>    | 9.5 mm  |
| M <sub>ms</sub>     | 93.0 g  |
| Bl                  | 21.2 Txm  |
| Le                  | 1.05 mH   |
| EBP                 | 153 Hz  |

## SPECIFICATIONS LF UNIT

|   |                   |
|---|-------------------|
| LF Sensitivity <sup>2</sup>               | 100.0 dB          |
| LF Nominal Power Handling <sup>3</sup>    | 500 W             |
| LF Continuous Power Handling <sup>4</sup> | 1000 W            |
| LF Voice Coil Diameter                    | 88 mm (3.5 in)    |
| LF Winding Material                       | Aluminium         |
| LF Flux Density                           | 1.2 T             |
| Former Material                           | Glass Fibre       |
| Winding Depth                             | 22.0 mm (0.87 in) |
| Magnetic Gap Depth                        | 11.0 mm (0.43 in) |

## MOUNTING AND SHIPPING INFO

|                             |                                       |
|-----------------------------|---------------------------------------|
| Overall Diameter            | 393 mm (15.47 in)                     |
| Bolt Circle Diameter        | 374 mm (14.72 in)                     |
| Baffle Cutout Diameter      | 356 mm (14.02 in)                     |
| Depth                       | 208 mm (8.19 in)                      |
| Flange and Gasket Thickness | 15 mm (0.59 in)                       |
| Net Weight                  | 7.3 kg (16.09 lb)                     |
| Shipping Units              | 1                                     |
| Shipping Weight             | 8.9 kg (19.62 lb)                     |
| Shipping Box                | 500x495x275 mm (19.69x19.49x10.83 in) |

## SPECIFICATIONS HF UNIT

|  |                |
|--|----------------|
| Sensitivity <sup>5</sup>               | 106.0 dB       |
| Nominal Power Handling <sup>6</sup>    | 80 W           |
| Continuous Power Handling <sup>7</sup> | 160 W          |
| Voice Coil Diameter                    | 75 mm (3.0 in) |
| Winding Material                       | Aluminium      |
| Flux Density                           | 1.75 T         |
| Diaphragm Material                     | Titanium       |
| Recommended Crossover <sup>8</sup>     | 1.2 kHz        |
| Inductance                             | 0.14 mH        |

## SERVICE KIT

|                       |             |
|-----------------------|-------------|
| Service Kit LF        | RCK15CXN888 |
| Replacement diaphragm | MMD3DTN8M   |

1. Included by -6 dB down points.
2. Applied RMS Voltage is set to 2.83V.
3. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated nominal impedance. Loudspeaker in free air.
4. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
5. Applied RMS Voltage is set to 2.83V.
6. 2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated nominal impedance. Loudspeaker in free air.
7. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
8. 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