

12CXN76

Coaxials - 12.0 Inches

700 W continuous program power capacity
80° nominal coverage
45 - 18000 Hz response
99 dB sensitivity
Single Neodymium magnet assembly



Specifications

| | |
|-------------------------------|------------------|
| Nominal diameter | 320 mm (12.0 in) |
| Nominal impedance | 8 Ω |
| Minimum impedance lf | 6.5 Ω |
| Minimum impedance hf | 8.0 Ω |
| Frequency range | 45 - 18000 Hz |
| Dispersion angle ¹ | 80 ° |
| Magnet material | Neodymium Ring |

Specifications LF Unit

| | |
|-------------------------------------------|----------------|
| LF Sensitivity ² | 99.0 dB |
| LF Nominal Power Handling ³ | 350 W |
| LF Continuous Power Handling ⁴ | 700 W |
| LF Voice Coil Diameter | 76 mm (3.0 in) |
| LF Winding Material | Copper |

Specifications HF Unit

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|-------------------------------------------|----------|
| HF Sensitivity ⁵ | 105.0 dB |
| HF Nominal Power Handling ⁶ | 80 W |
| HF Continuous Power Handling ⁷ | 160 W |

Specifications HF Unit

| | |
|------------------------------------|--------------------|
| HF Voice Coil Diameter | 75 mm (3.0 in) |
| HF Winding Material | Aluminium |
| Diaphragm material | Polyester/Titanium |
| Recommended crossover ⁸ | 1.2 kHz |

Parameters

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|----------|-----------------------------------------------|
| Fs | 42 Hz |
| Re | 5.0 Ω |
| Qes | 0.2 |
| Qms | 8.0 |
| Qts | 0.19 |
| Vas | 120.0 dm ³ (4.2 ft ³) |
| Sd | 522.0 cm ² (80.9 in ²) |
| η_0 | 4.1 % |
| Xmax | 4.0 mm |
| Xvar | 6.0 mm |
| Mms | 47 g |
| Bl | 17.6 Txm |
| Le | 0.8 mH |

Parameters

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|-----|--------|
| EBP | 210 Hz |
|-----|--------|

Mounting And Shipping Info

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|-----------------------------|-------------------------------|
| Overall diameter | 315 mm (12.4 in) |
| Bolt circle diameter | 298 mm (11.7 in) |
| Baffle cutout diameter | 282 mm (11.1 in) |
| Depth | 170 mm (6.7 in) |
| Flange and gasket thickness | 14 mm (0.55 in) |
| Net weight | 5.0 kg (11.0 lb) |
| Shipping units | 1 |
| Shipping weight | 5.9 kg (13.0 lb) |
| Shipping box | 380x380x240 mm (15x15x9.4 in) |

Service Kit

| | |
|-----------------------|-------------|
| Service kit lf | RCK12CXN768 |
| Replacement diaphragm | MMD9028M |

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 (6 dB crest factor) within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.

5. Applied RMS Voltage is set to 2.83V.

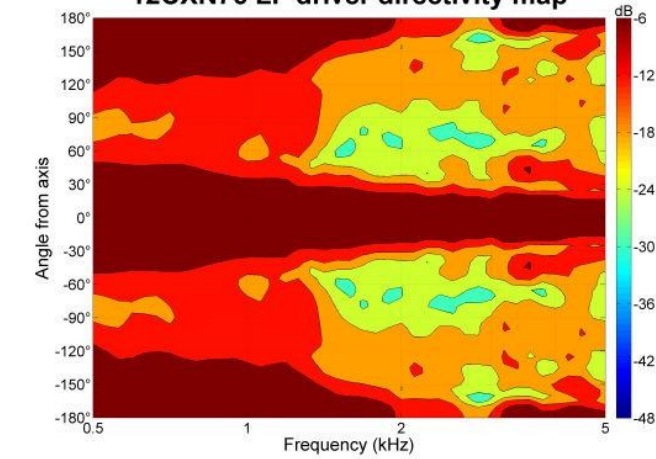
6. 2 hour test made with continuous pink noise signal (6 dB crest factor) within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated minimum impedance. Loudspeaker in free air.

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

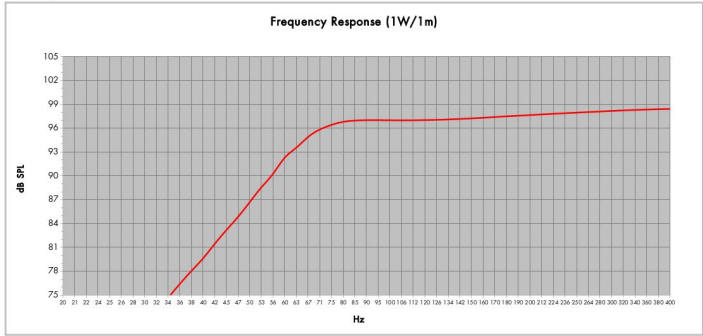
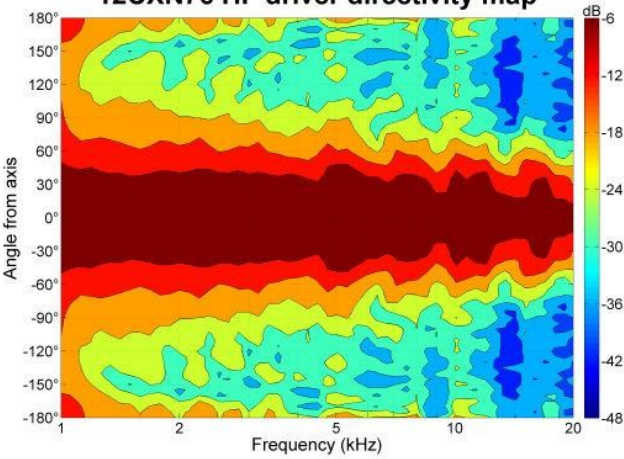
4. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

8. 12 dB/oct. or higher slope high-pass filter.

12CXN76 LF driver directivity map



12CXN76 HF driver directivity map



| | | | |
|-------------------------------|------------|-------------------------------|------------|
| Model: | 12CXN76 | Configuration: | One Driver |
| Enclosure Type: | Box Reflex | | |
| Internal Net Volume (Litres): | 40 | Q8: | 7 |
| Tuning Frequency (Hz): | 65 | Port Area (cm ²): | 138.7 |
| Frequency (-3 dB) (Hz): | 70.9 | Port Length (cm): | 13.1 |