

10CXN76 8 Ω

- 600 W continuous program power capacity
- 90° nominal coverage
- 60 - 18000 Hz response
- 96 dB sensitivity
- Single Neodymium magnet assembly
- Aluminium demodulating ring allows a very low distortion figure

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 10CXN76, with 3" LF and HF voice coils. Power handling has increased to 600W, while also improving nearly every other parameter (including Xvar) relative to our established 2.5" coil 10CXN64.



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GENERAL

Nominal Diameter	250 mm (10 in)
Nominal Impedance	8 Ω
Frequency Range	60 Hz - 18000 Hz
Dispersion Angle	90 °
Included by -6 dB down points.	

PARAMETERS

Fs	58 Hz
Re	5.2 Ω
Qes	0.31
Qms	8.2
Qts	0.3
Vas	19 dm³ (0.67 ft³)
Sd	320 cm² (49.6 in²)
η0	1.2 %
Xmax	6 mm
Xvar	5.4 mm
Mms	58 g
Bl	18.9 Tm
Le	0.7 mH
EBP	187 Hz

SPECIFICATIONS HF UNIT

Nominal Impedance	8 Ω
Minimum Impedance	8 Ω
Nominal Power Handling	80 W
2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated minimum impedance. Loudspeaker in free air.	
Continuous Power Handling	160 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	106 dB
Applied RMS Voltage is set to 2.83V.	
Frequency Range	1 kHz - 18 kHz
Recommended Crossover	1.2 kHz
12 dB/oct. or higher slope high-pass filter.	
Voice Coil Diameter	75 mm (3 in)
Winding Material	Aluminium
Inductance	0.14 mH
Flux Density	1.85 T
Diaphragm Material	Titanium

SPECIFICATIONS LF UNIT

Nominal Diameter	250 mm (10 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.3 Ω
Nominal Power Handling	300 W
2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.	
Continuous Power Handling	600 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	96 dB
Sensitivity at 2.83V/1m is calculated based on declared ·0and Re ·values.	
Voice Coil Diameter	76 mm (3 in)
Winding Material	Copper
Former Material	Kraft Paper
Winding Depth	16 mm (0.63 in)
Magnetic Gap Depth	8 mm (0.31 in)
Flux Density	1.15 T

DESIGN

Surround Shape	Triple Roll
Magnet Material	Neodymium Ring
Spider	Single
Woofer Cone Treatment	WP Waterproof Front Side

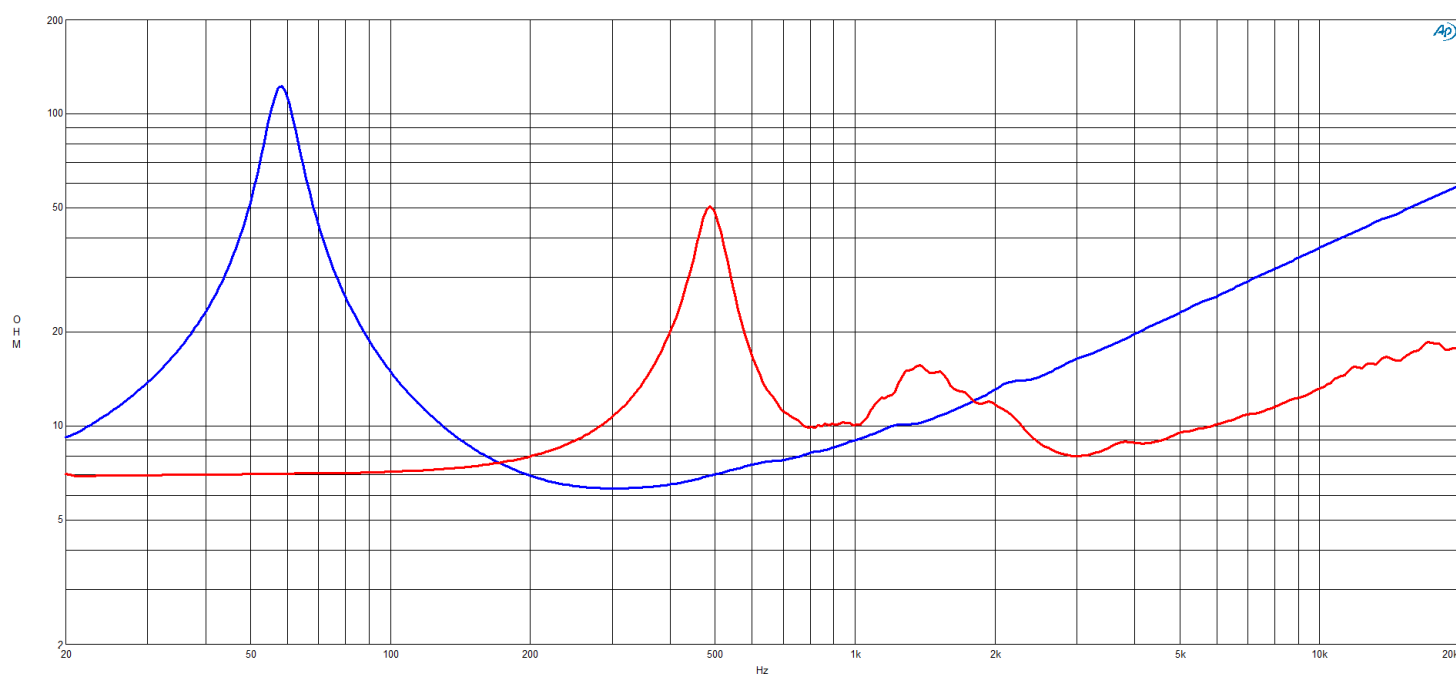
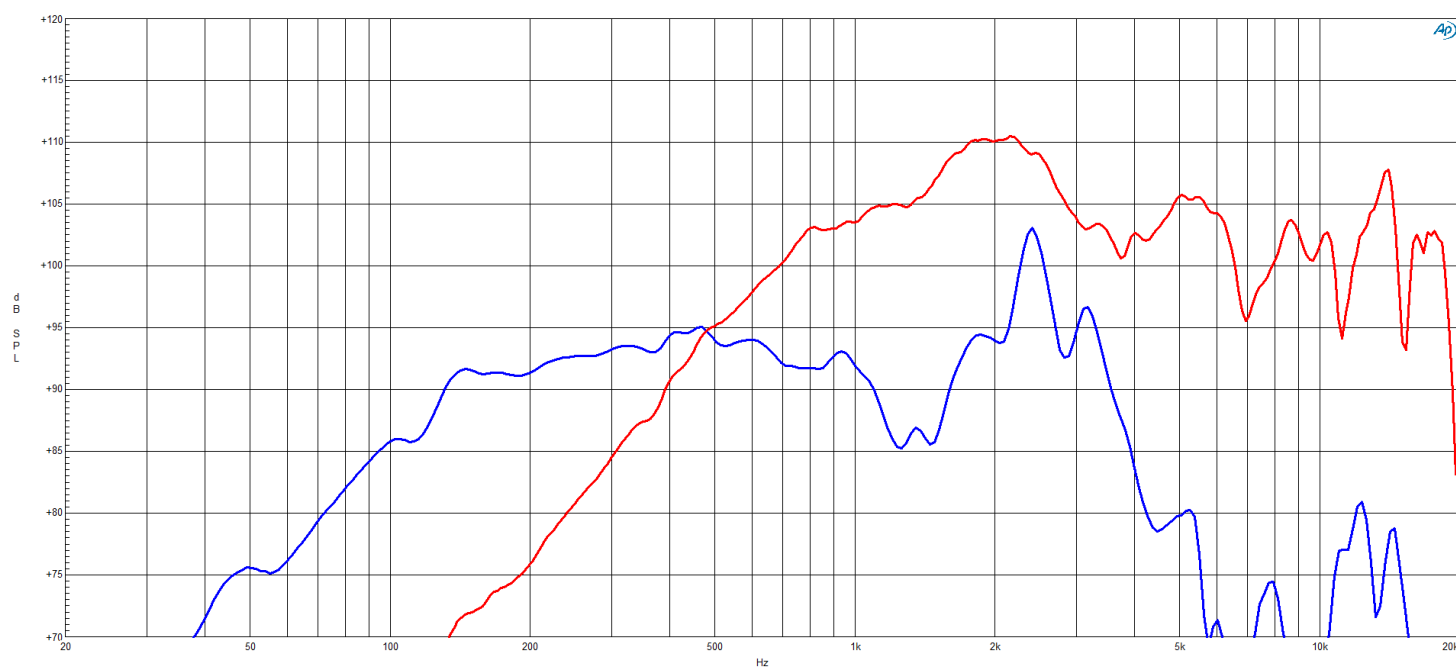
MOUNTING AND SHIPPING INFO

Overall Diameter	261 mm (10.28 in)
Bolt Circle Diameter	245 mm (9.65 in)
Baffle Cutout Diameter	230 mm (9.06 in)
Depth	148 mm (5.83 in)
Flange and Gasket Thickness	13 mm (0.51 in)
Net Weight	4.8 kg (10.58 lb)

SERVICE KITS

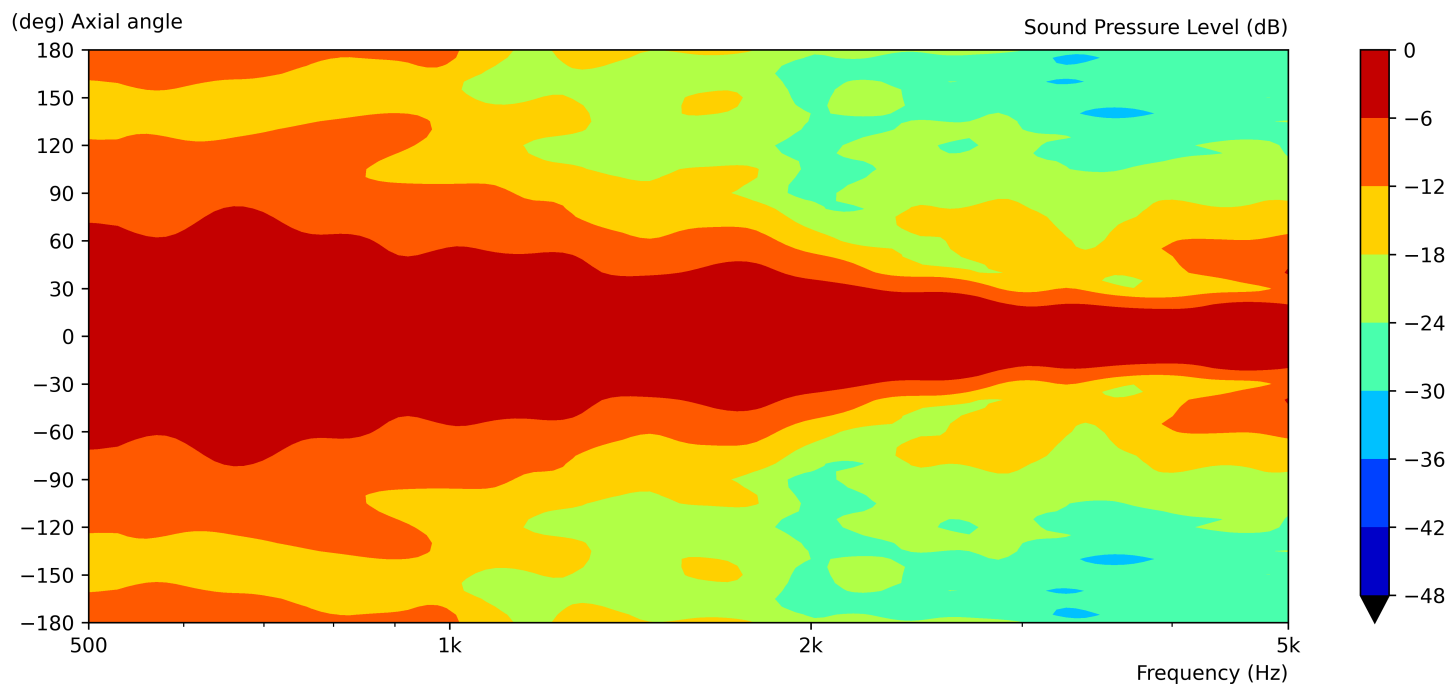
HF replacement-diaphragm	MMD3BTN8M
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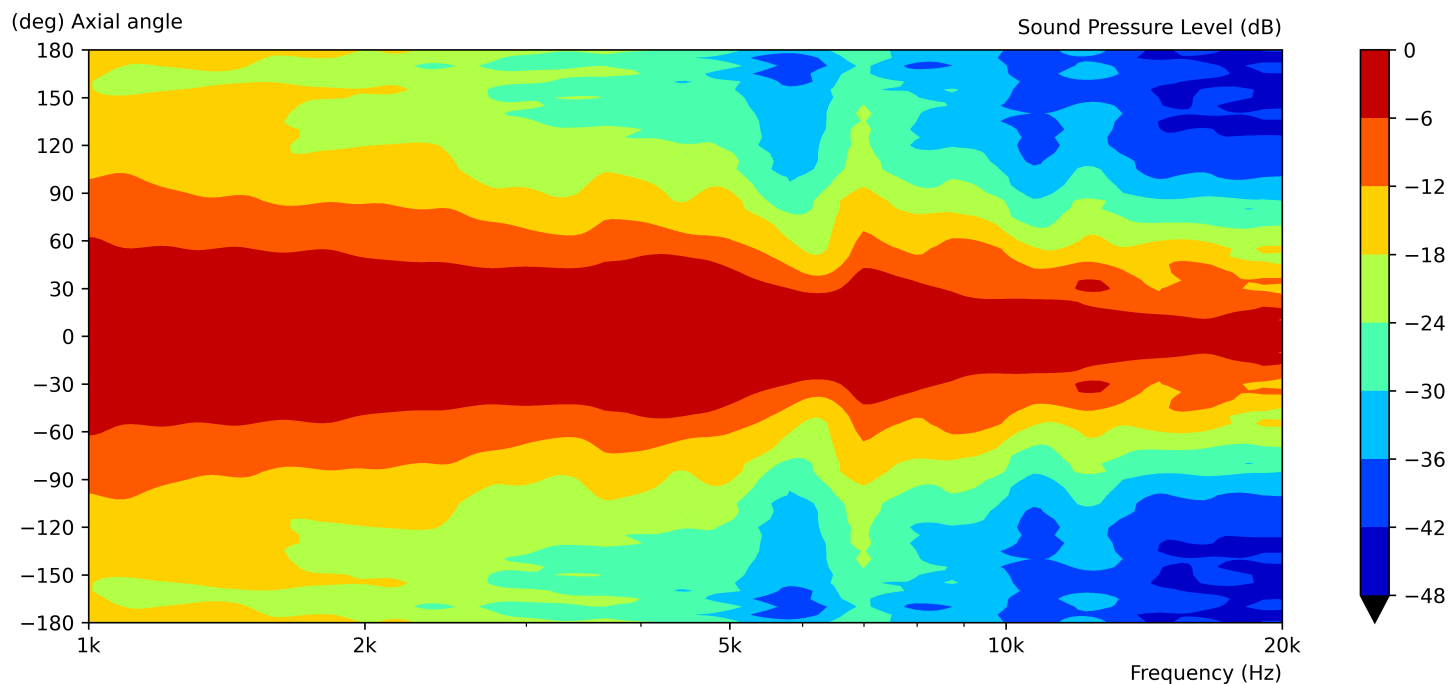


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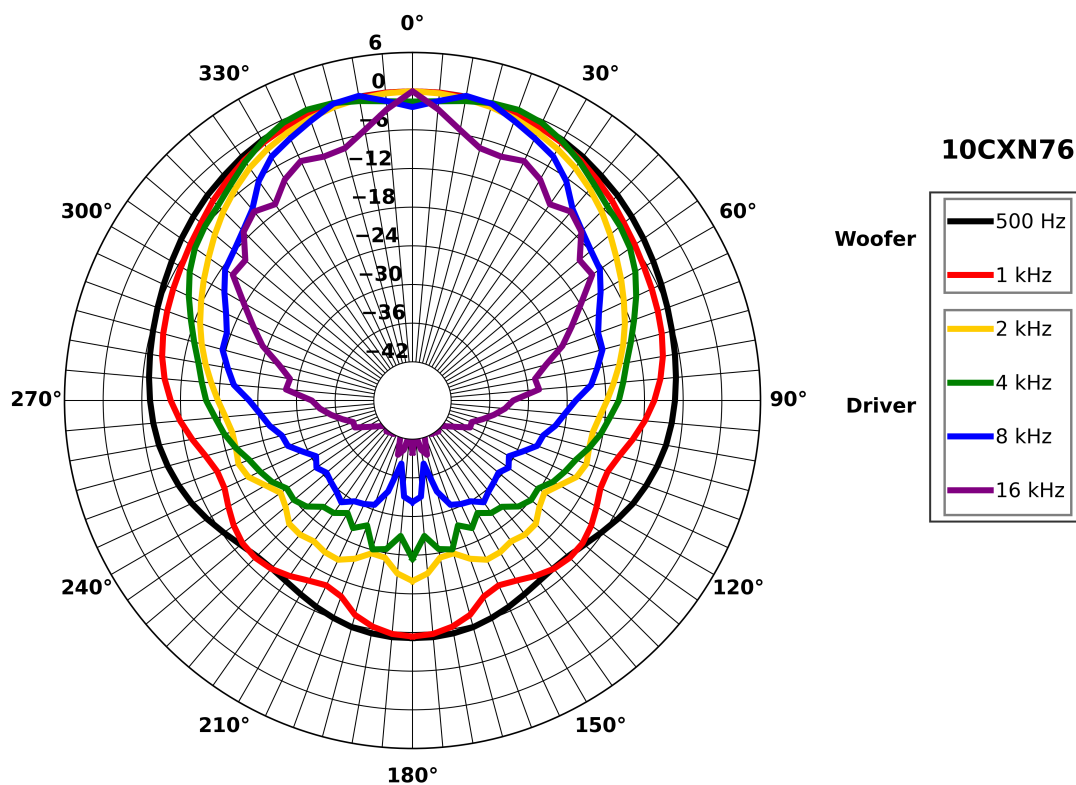
10CXN76 LF Directivity Map



10CXN76 HF Directivity Map



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