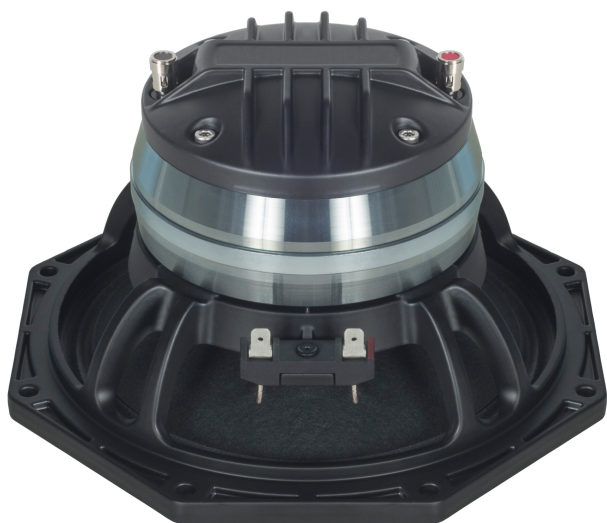


8CXN64 8 Ω

- 600 W continuous program power capacity
- 100° nominal coverage
- 70 - 18000 Hz response
- 94 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 8CXN64, with 2.5" LF and HF voice coils. Power handling has increased to 600W, while also improving nearly every other parameter (including Xvar) relative to our established 2.0" coil [8CXN51](#).



8CXN64 8 Ω

GENERAL

Nominal Diameter	210 mm (8 in)
Nominal Impedance	8 Ω
Frequency Range	70 Hz - 18000 Hz
Dispersion Angle	100 °
Included by -6 dB down points.	

PARAMETERS

Fs	71 Hz
Re	5.8 Ω
Qes	0.35
Qms	8.5
Qts	0.33
Vas	10.5 dm³ (0.37 ft³)
Sd	220 cm² (34.1 in²)
η0	1.1 %
Xmax	5.5 mm
Xvar	4.7 mm
Mms	32 g
Bl	15.5 Tm
Le	1.1 mH
EBP	203 Hz

SPECIFICATIONS HF UNIT

Nominal Impedance	8 Ω
Minimum Impedance	7.1 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	103 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	65 mm (2.5 in)
Winding Material	Aluminium
Inductance	0.15 mH
Flux Density	1.75 T
Diaphragm Material	Titanium

SPECIFICATIONS LF UNIT

Nominal Diameter	210 mm (8 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.9 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	94 dB
Sensitivity at 2.83V/1m is calculated based on declared ·0and Re values.	
Voice Coil Diameter	64 mm (2.5 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	15 mm (0.59 in)
Magnetic Gap Depth	8 mm (0.31 in)
Flux Density	1.1 T
Woofer Cone Treatment	WP Waterproof Front Side

DESIGN

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

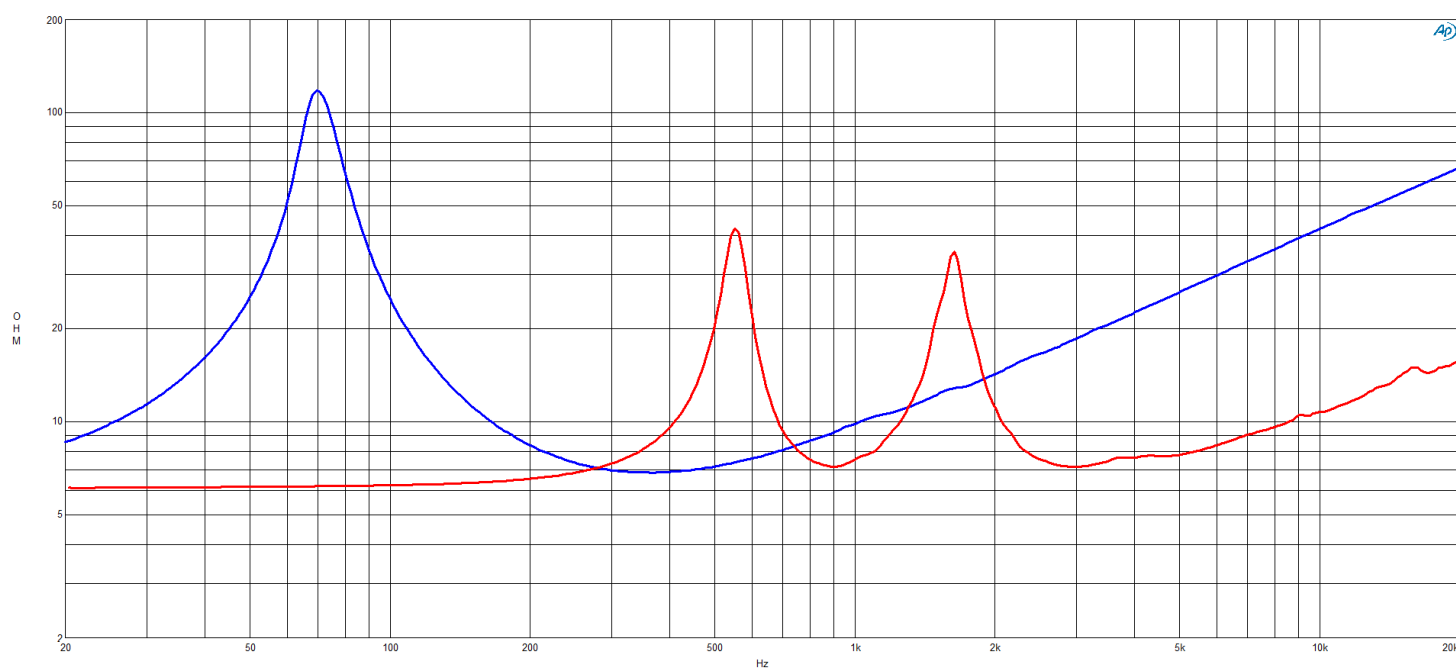
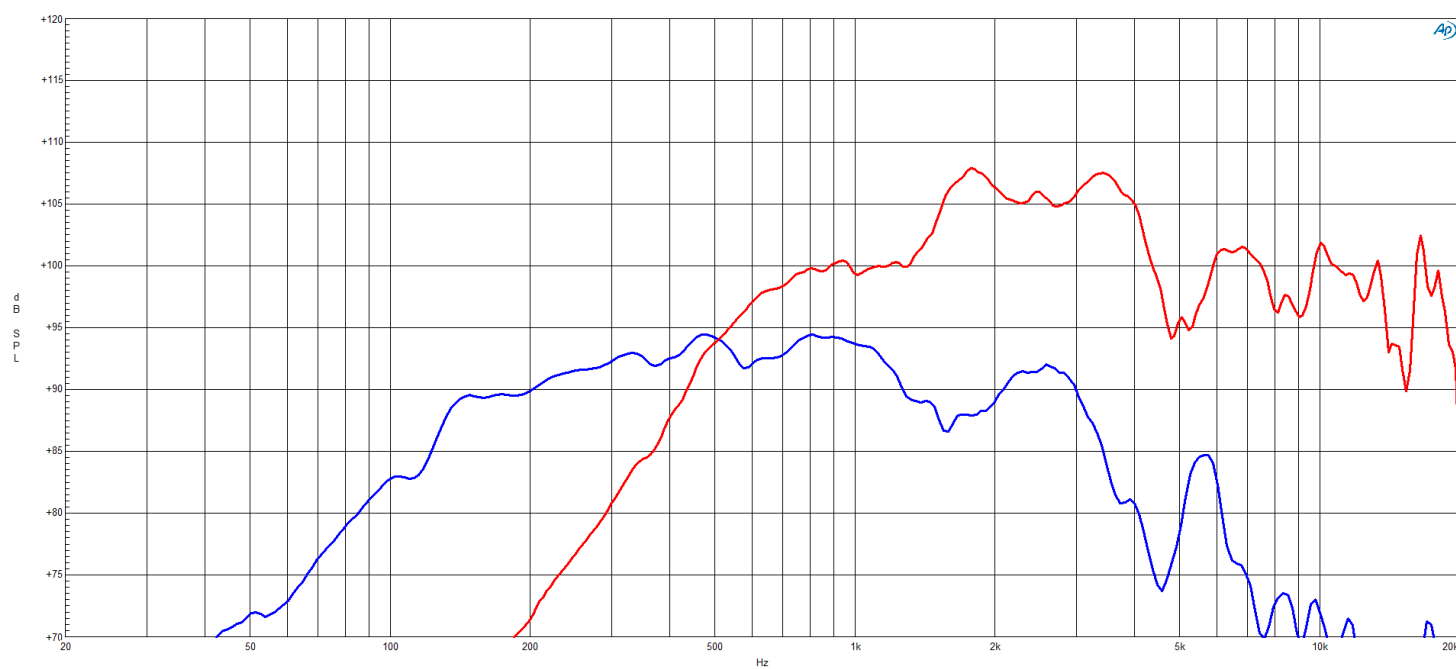
MOUNTING AND SHIPPING INFO

Overall Diameter	225 mm (8.8 in)
Bolt Circle Diameter	210 mm (8.3 in)
Baffle Cutout Diameter	187 mm (7.4 in)
Depth	124 mm (4.88 in)
Flange and Gasket Thickness	10.3 mm (0.41 in)
Net Weight	3.6 kg (7.94 lb)

SERVICE KITS

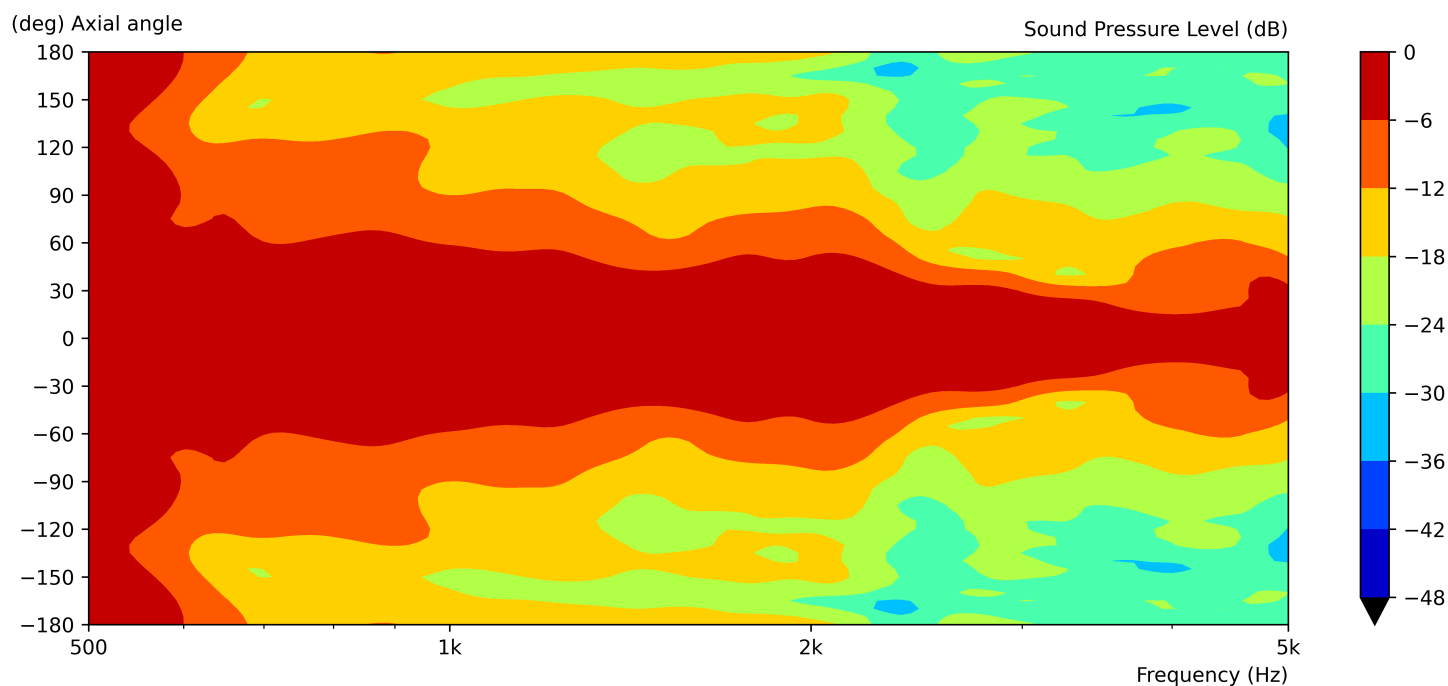
HF replacement-diaphragm	MMD620TN8M
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8CXN64 8 Ω

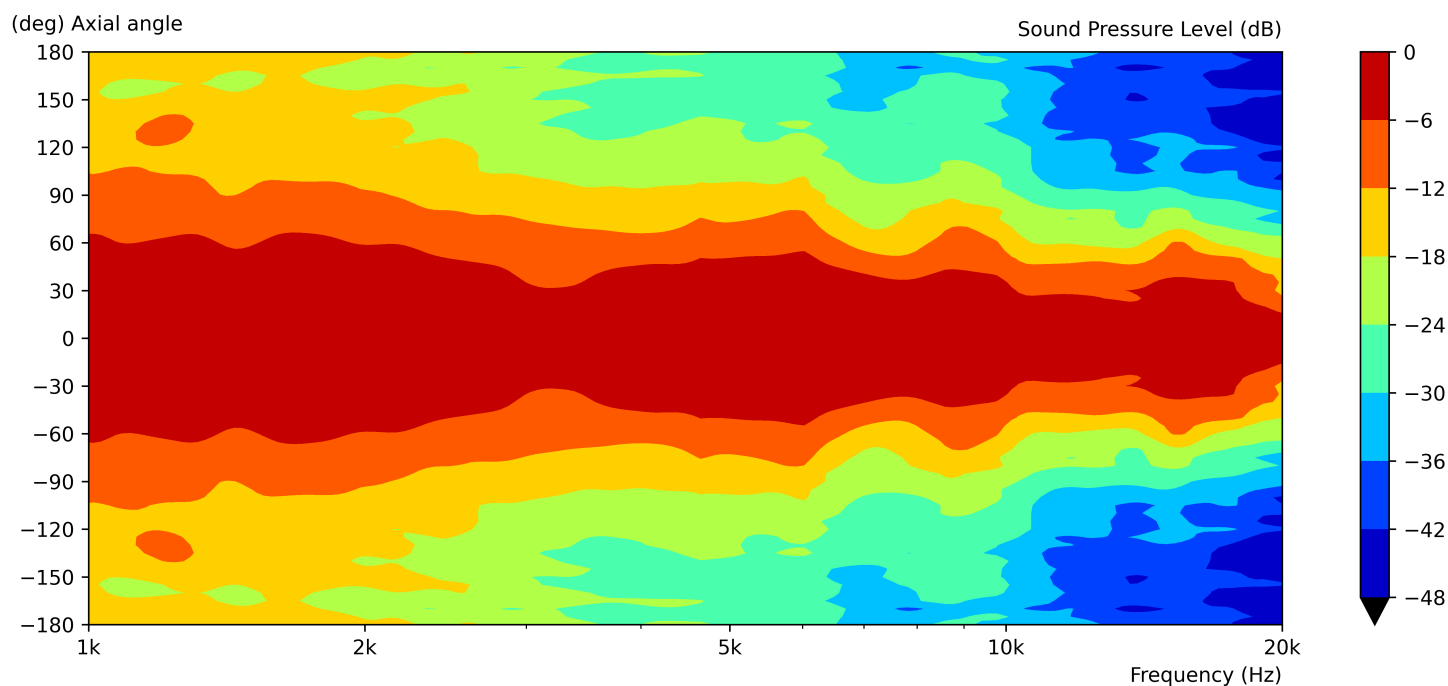


8CXN64 8 Ω

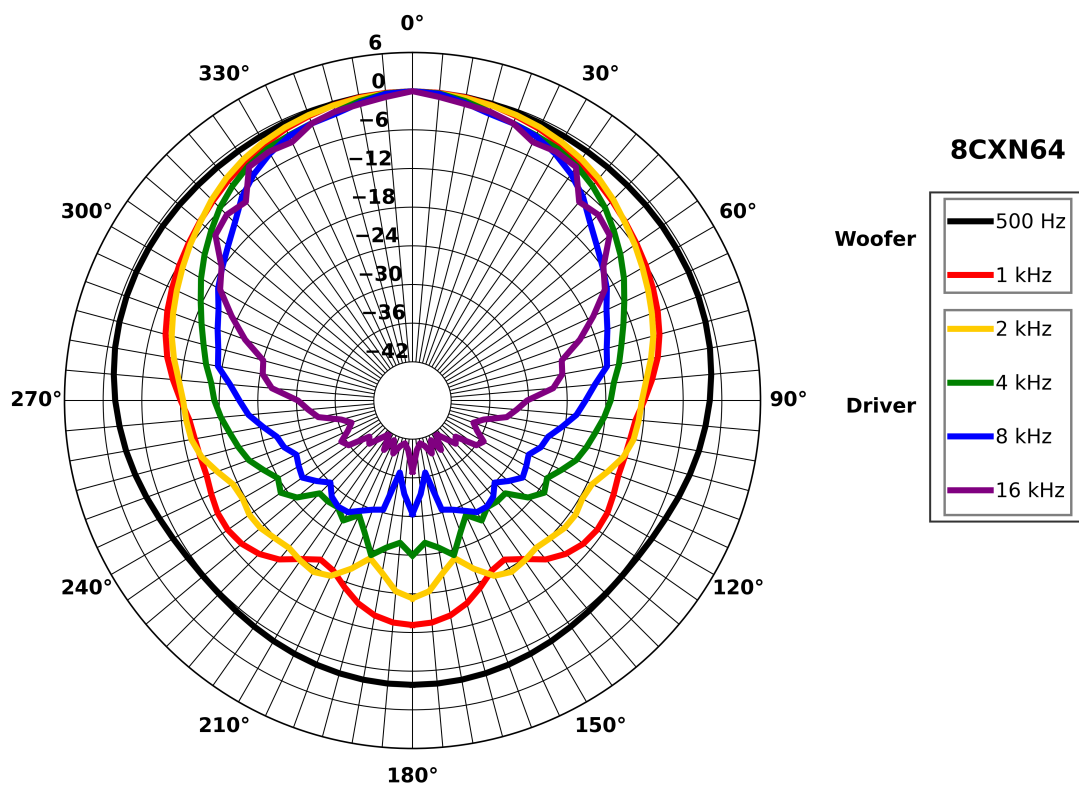
8CXN64 LF Directivity Map



8CXN64 HF Directivity Map



8CXN64 8 Ω



8CXN64 8 Ω

