

12CLX64 8 Ω

- 500 W continuous program power capacity
- 60° nominal coverage
- 54 - 18000 Hz response
- 96 dB sensitivity
- Single Neodymium magnet assembly
- Aluminum demodulating ring for very low distortion

The CLX series products incorporate a heavy-gauge metal basket construction paired with a cost-optimized single neodymium magnet motor design for enhanced structural integrity and efficiency. This coaxial solution combines a lightweight woofer with a high-fidelity HF driver, enabling balanced acoustic output across the frequency spectrum. This configuration minimizes overall system weight while maximizing performance metrics, allowing audio engineers to develop solutions with superior cost-to-performance ratios suitable for compact, high-value applications.



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GENERAL

Nominal Diameter	320 mm (12 in)
Nominal Impedance	8 Ω
Frequency Range	54 Hz - 18000 Hz
Dispersion Angle	60 °
Included by -6 dB down points.	

PARAMETERS

Fs	54 Hz
Re	5.6 Ω
Qes	0.61
Qms	10.1
Qts	0.57
Vas	74 dm³ (2.61 ft³)
Sd	522 cm² (80.91 in²)
η0	1.82 %
Xvar	5.5 mm
Mms	45.3 g
Bl	11.86 Tm
Le	0.54 mH
EBP	89 Hz

SPECIFICATIONS HF UNIT

Nominal Diameter	320 mm (12 in)
Nominal Impedance	8 Ω
Minimum Impedance	7.8 Ω
Nominal Power Handling	70 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	140 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.	
Recommended Crossover	1.2 kHz
12 dB/oct. or higher slope high-pass filter.	
Voice Coil Diameter	51 mm (2 in)
Winding Material	Aluminum
Inductance	0.14 mH
Flux Density	1.6 T
Diaphragm Material	HT Polymer

SPECIFICATIONS LF UNIT

Nominal Diameter	320 mm (12 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.6 Ω
Nominal Power Handling	250 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	500 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	96 dB
Applied RMS Voltage is set to 2.83V.	
Voice Coil Diameter	64 mm (2.5 in)
Winding Material	Copper
Former Material	Kapton
Winding Depth	14.5 mm (0.57 in)
Magnetic Gap Depth	8 mm (0.31 in)
Flux Density	0.9 T
Woofer Cone Treatment	WP Waterproof Front Side

DESIGN

Magnet Material	Neodymium Ring
Woofer Cone Treatment	WP Waterproof Front Side

MOUNTING AND SHIPPING INFO

Overall Diameter	313 mm (12.32 in)
Bolt Circle Diameter	298 mm (11.73 in)
Baffle Cutout Diameter	282 mm (11.1 in)
Depth	164 mm (6.46 in)
Flange and Gasket Thickness	9 mm (0.35 in)
Net Weight	3.2 kg (7.05 lb)
Shipping Units	1 pcs
Shipping Weight	4.5 kg (9.92 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)

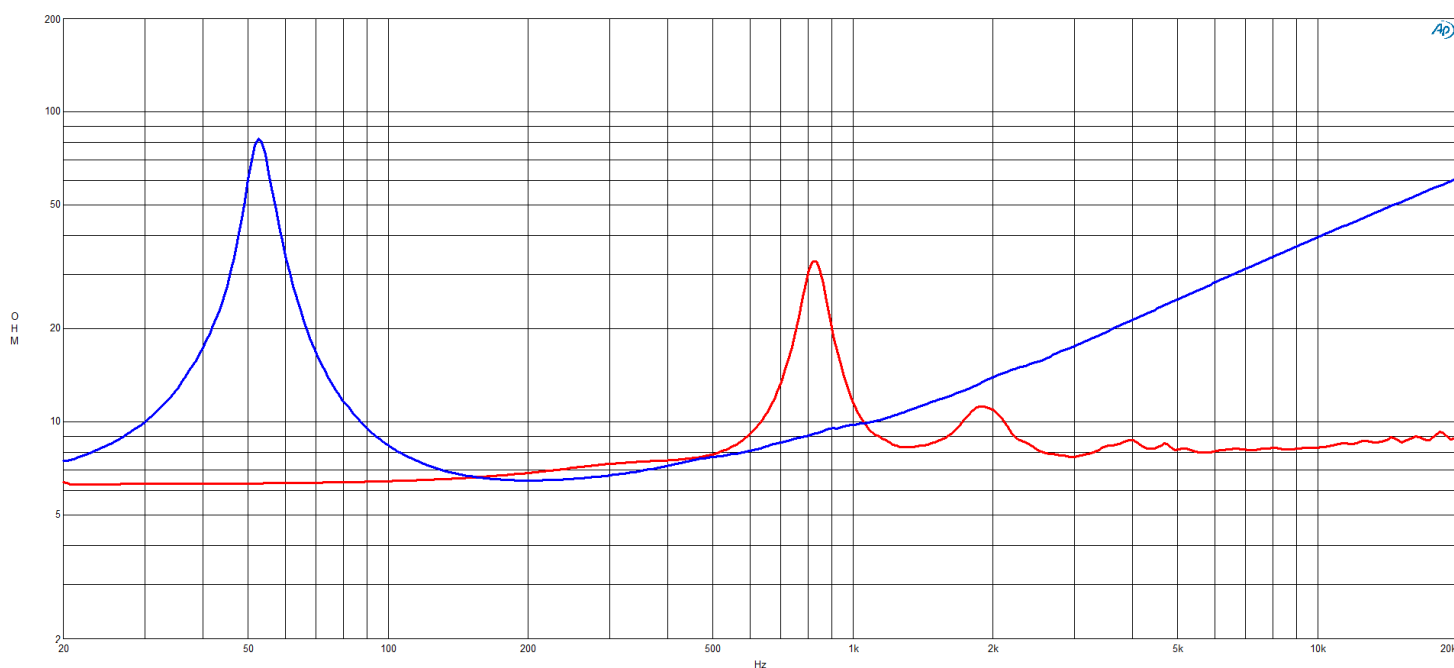
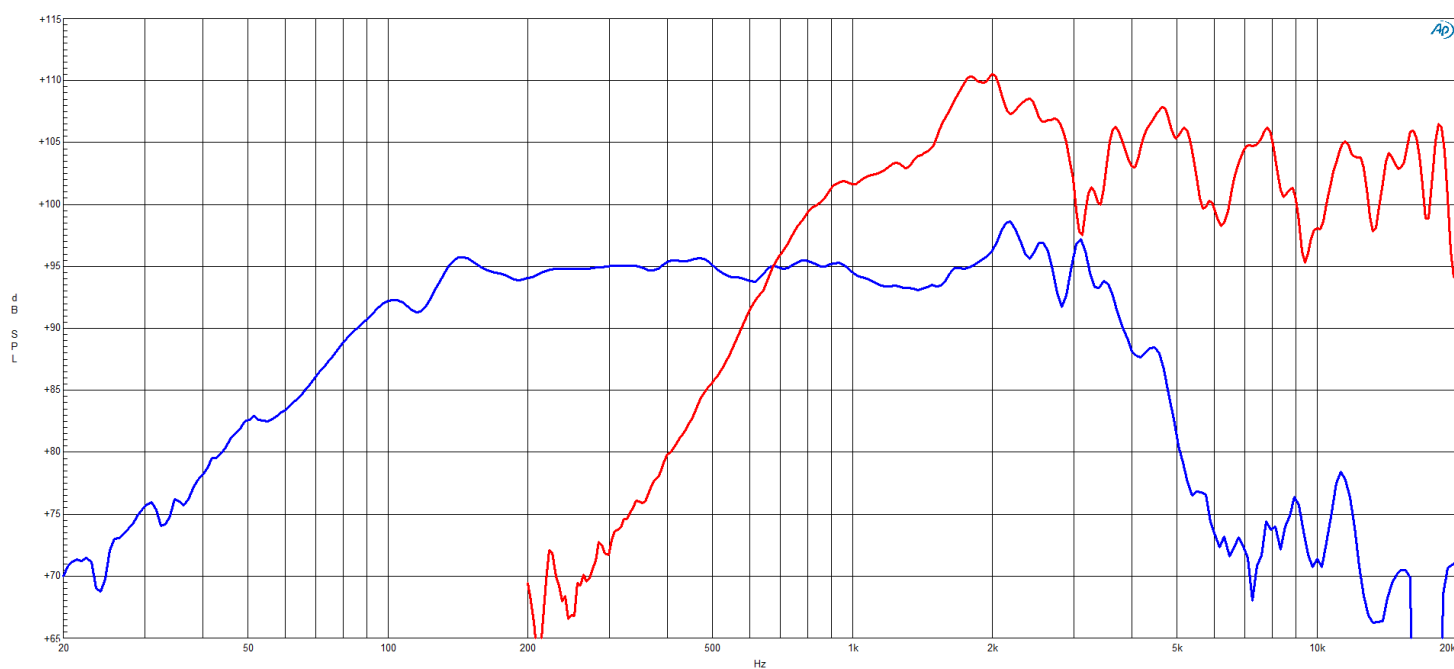
CROSSOVER

FBCLX64	8 Ω
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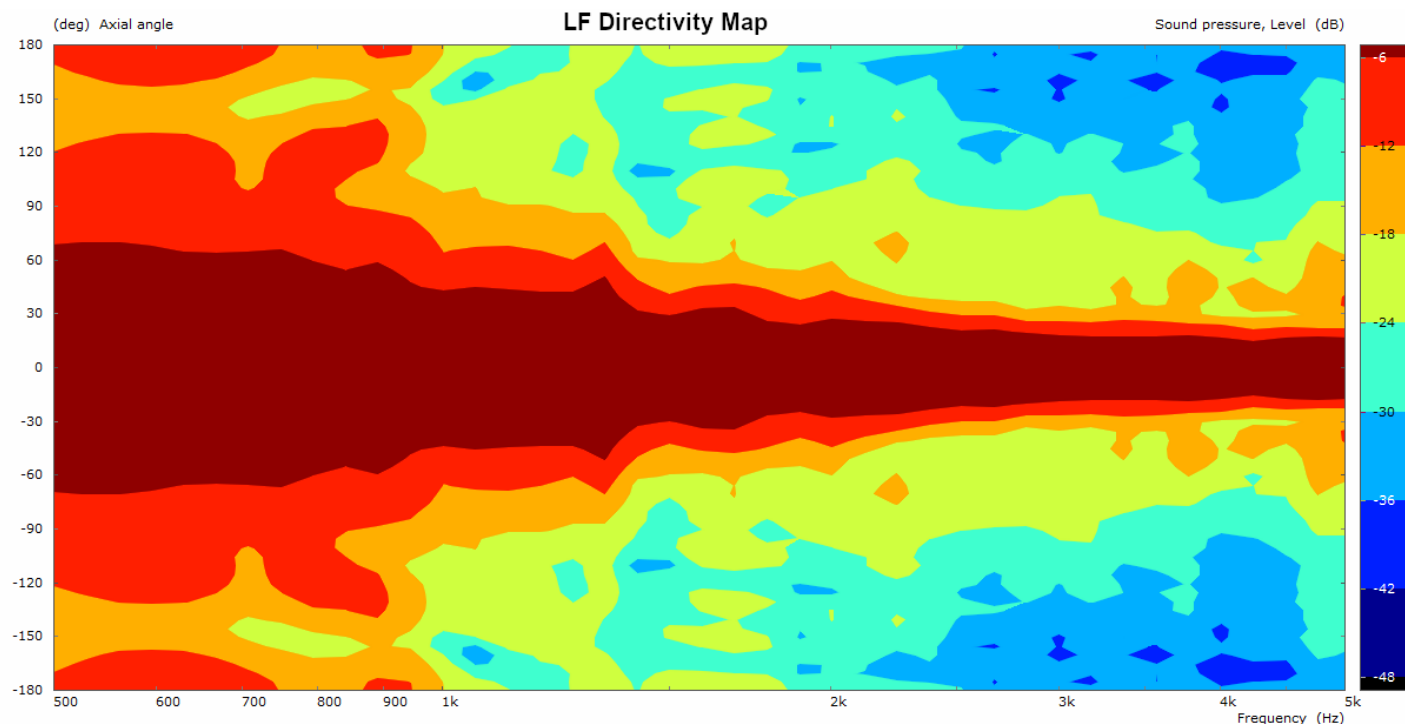
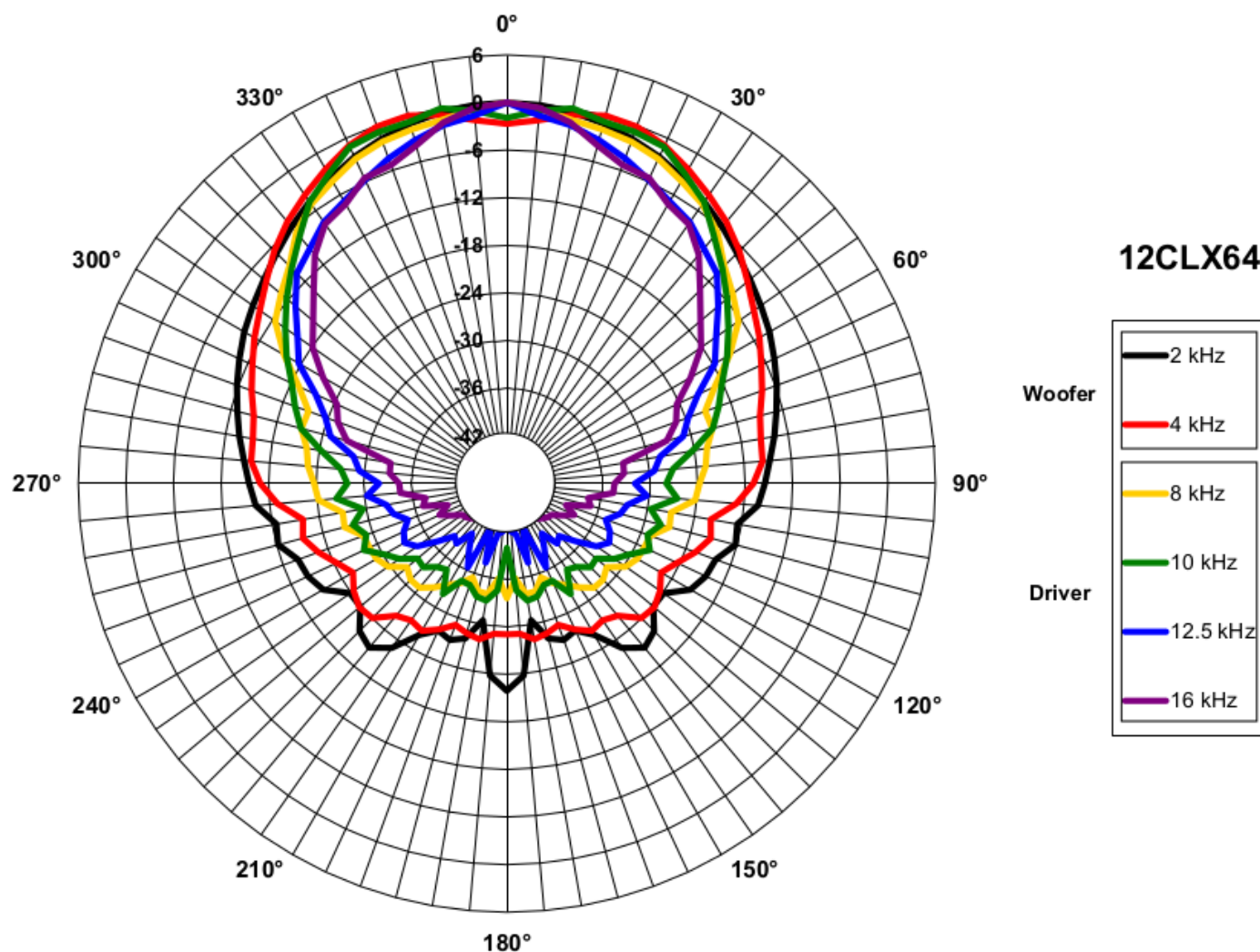
SERVICE KITS

HF replacement-diaphragm	MMD5508
LF recone-kits	RCK12CLX648

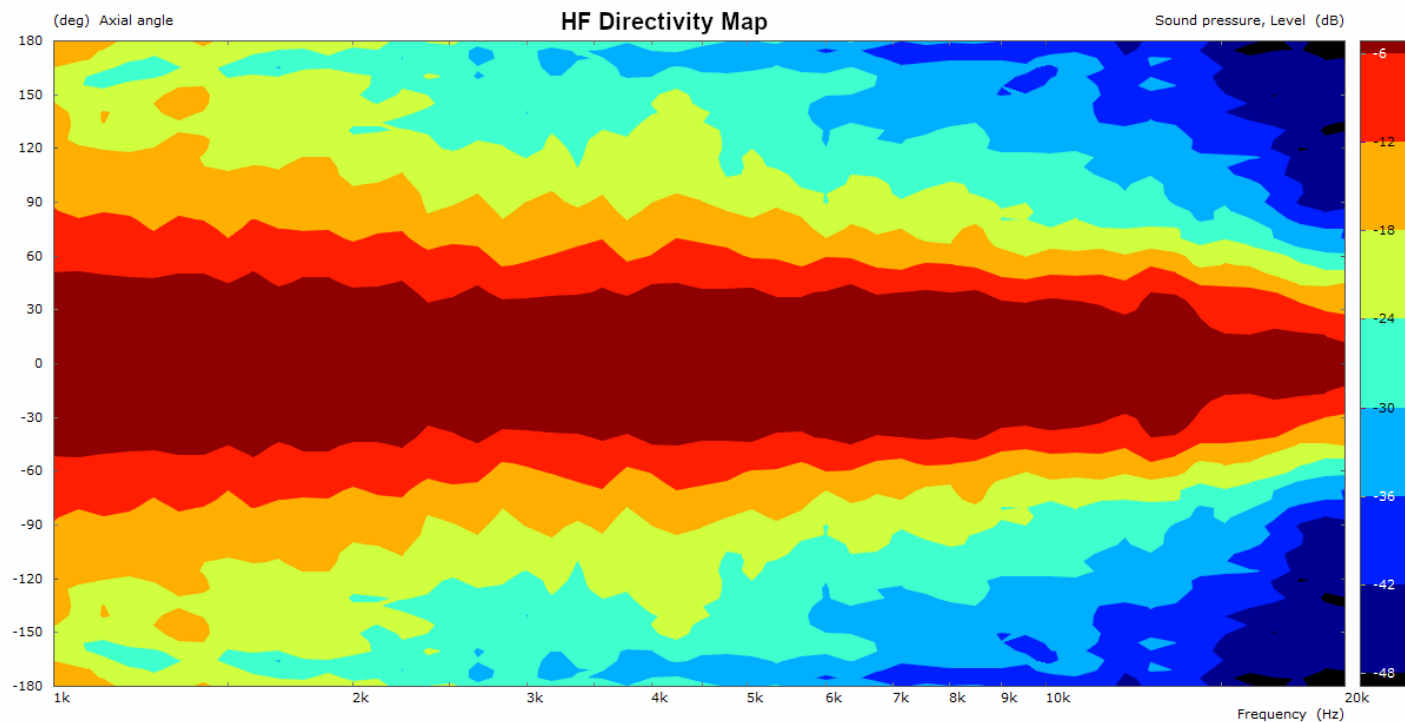
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