

## 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 light-weight 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	<b>320 mm (12 in)</b>
Nominal Impedance	<b>8 Ω</b>
Frequency Range	<b>54 Hz - 18000 Hz</b>
Dispersion Angle	<b>60 °</b>
Included by -6 dB down points.	

## PARAMETERS

Fs	<b>54 Hz</b>
Re	<b>5.6 Ω</b>
Qes	<b>0.61</b>
Qms	<b>10.1</b>
Qts	<b>0.57</b>
Vas	<b>74 dm<sup>3</sup> (2.61 ft<sup>3</sup>)</b>
Sd	<b>522 cm<sup>2</sup> (80.91 in<sup>2</sup>)</b>
η0	<b>1.82 %</b>
Xvar	<b>5.5 mm</b>
Mms	<b>45.3 g</b>
Bl	<b>11.86 Tm</b>
Le	<b>0.54 mH</b>
EBP	<b>89 Hz</b>

## SPECIFICATIONS HF UNIT

Nominal Diameter	<b>320 mm (12 in)</b>
Nominal Impedance	<b>8 Ω</b>
Minimum Impedance	<b>7.8 Ω</b>
Nominal Power Handling	<b>70 W</b>
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	<b>140 W</b>
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	<b>106 dB</b>
Applied RMS Voltage is set to 2.83V.	
Recommended Crossover	<b>1.2 kHz</b>
12 dB/oct. or higher slope high-pass filter.	
Voice Coil Diameter	<b>51 mm (2 in)</b>
Winding Material	<b>Aluminum</b>
Inductance	<b>0.14 mH</b>
Flux Density	<b>1.6 T</b>
Diaphragm Material	<b>HT Polymer</b>

## SPECIFICATIONS LF UNIT

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

## DESIGN

Magnet Material	<b>Neodymium Ring</b>
Woofer Cone Treatment	<b>WP Waterproof Front Side</b>

## MOUNTING AND SHIPPING INFO

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

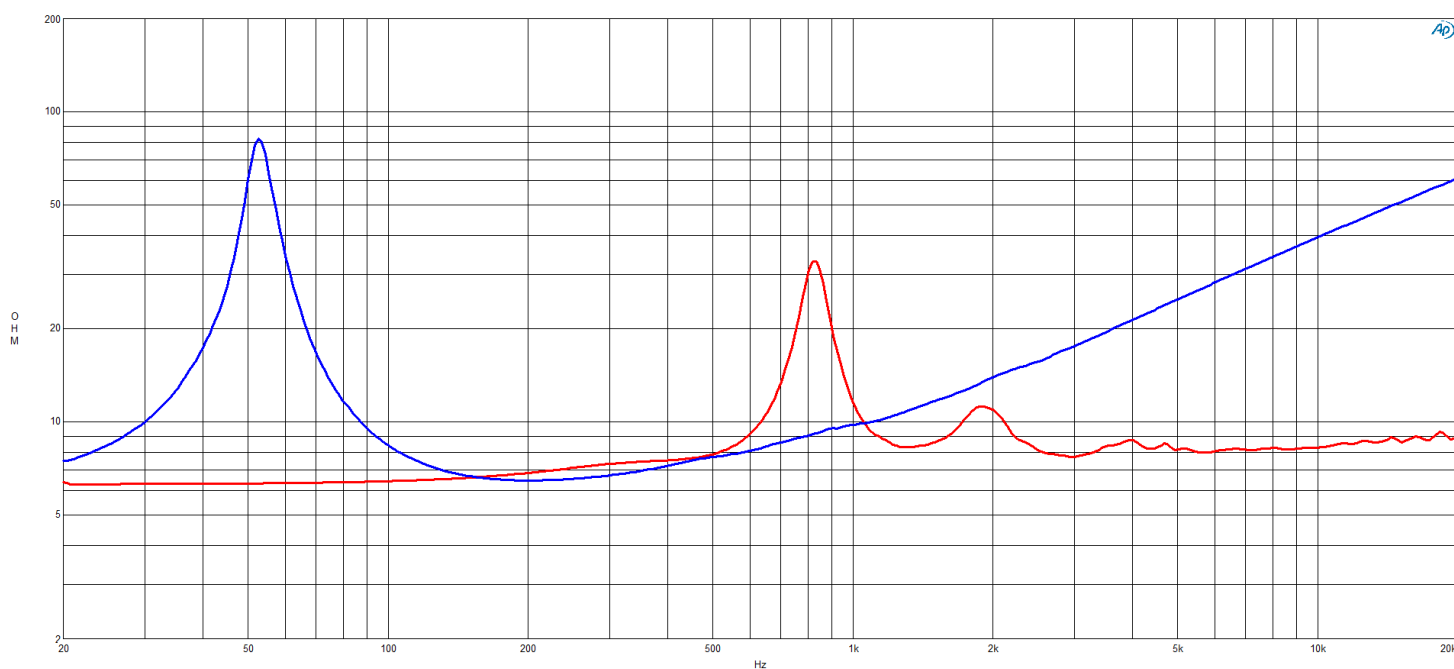
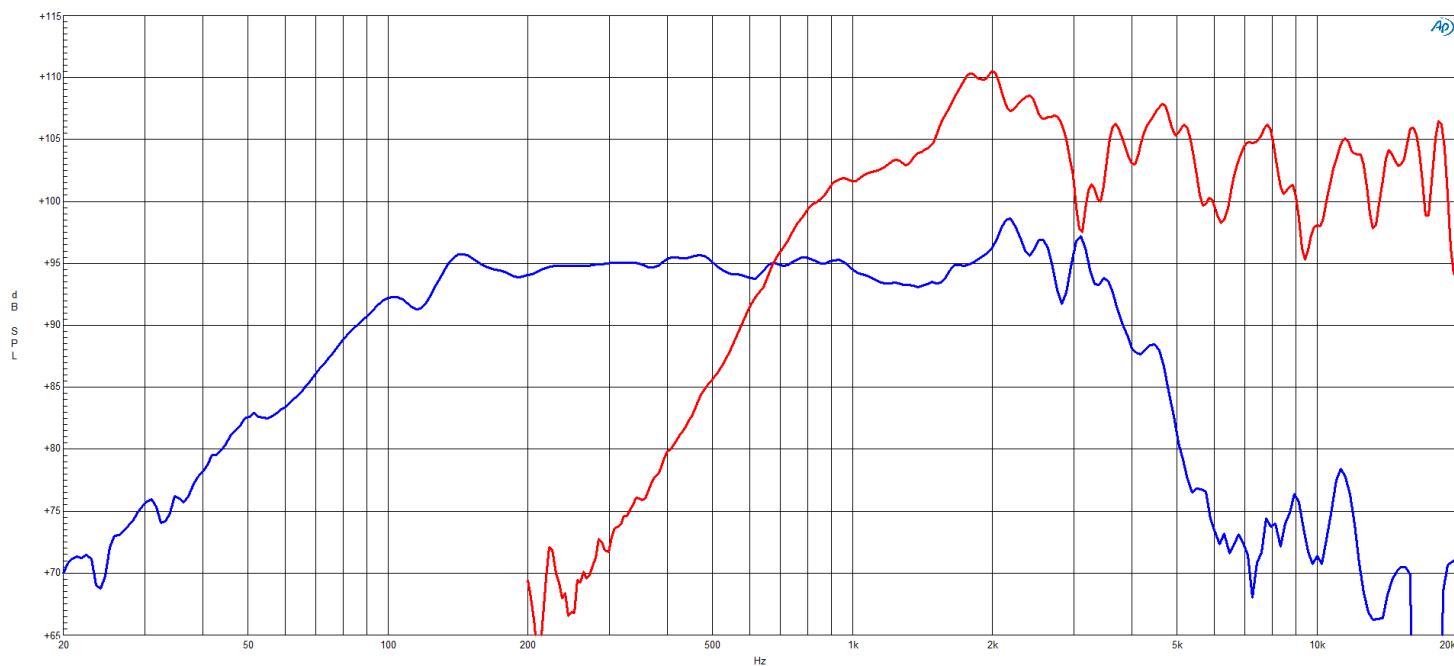
## CROSSOVER

FBCLX64	<b>8 Ω</b>
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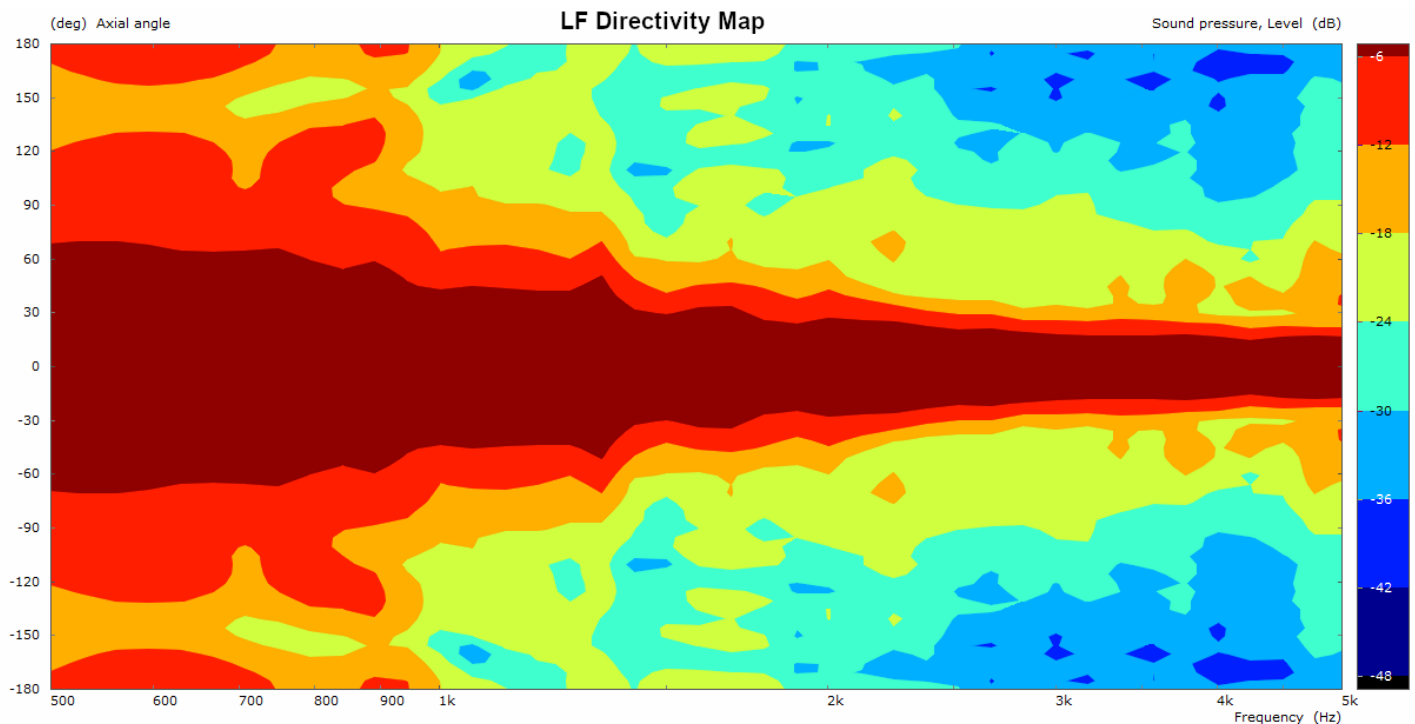
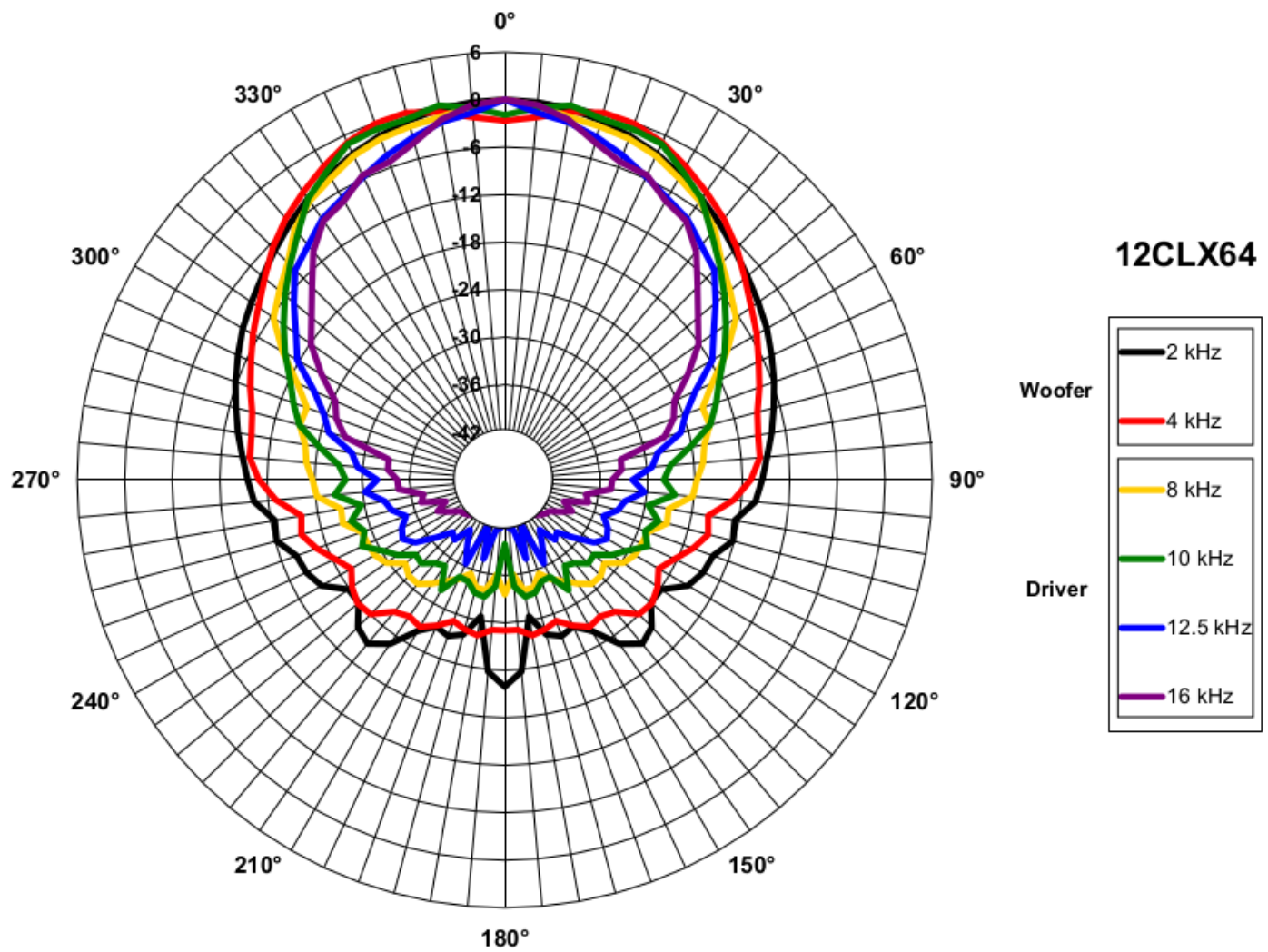
## SERVICE KITS

HF replacement-diaphragm	<b>MMD5508</b>
LF recone-kits	<b>RCK12CLX648</b>

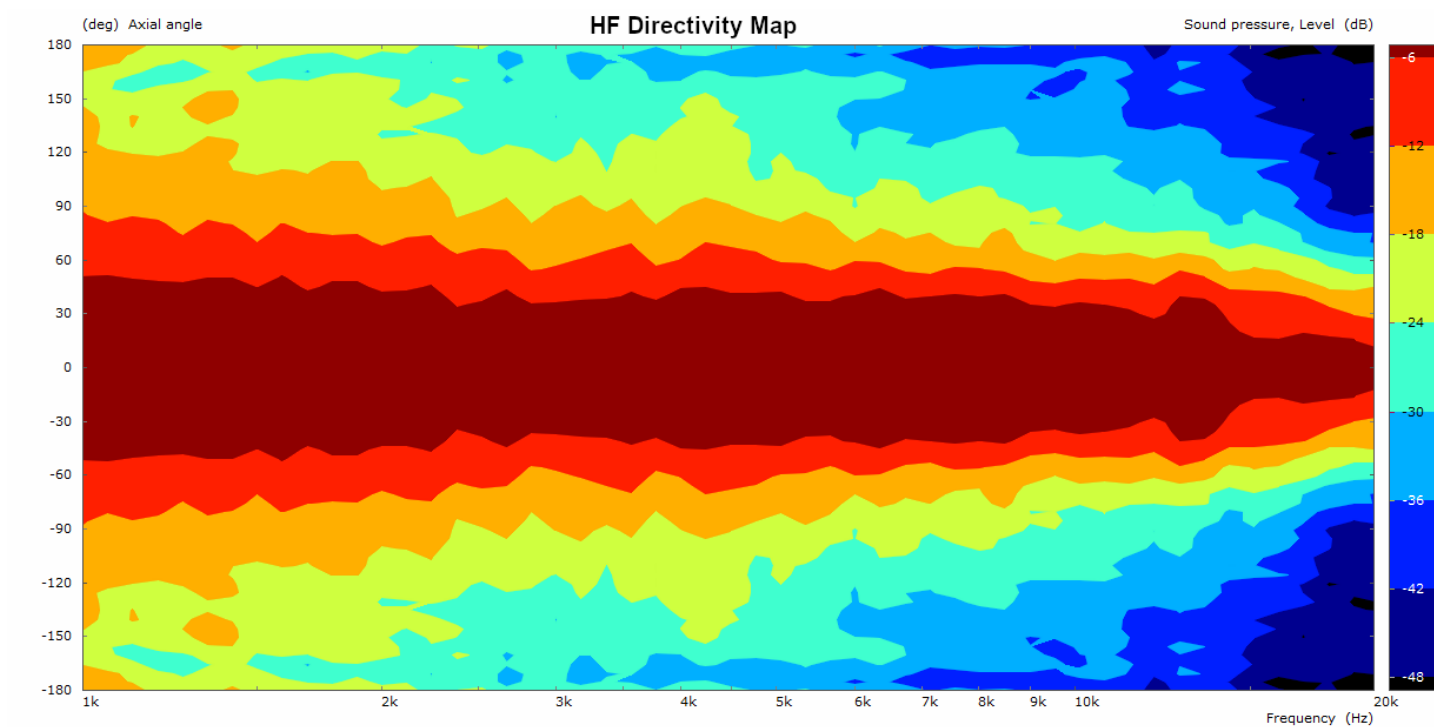
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