15CLX64 8 Ω

- 500 W continuous program power capacity
- 80° nominal coverage
- 40 - 17000 Hz response
- 95.2 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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15CLX64 8 Ω

GENERAL

Nominal Diameter	**380 mm (15 in)**
Nominal Impedance	**8 Ω**
Frequency Range	**40 Hz - 17000 Hz**
Dispersion Angle Included by –6 dB down points.	**80 °**

PARAMETERS

Fs	**37 Hz**
Re	**5.5 Ω**
Qes	**0.81**
Qms	**9.4**
Qts	**0.75**
Vas	**227 dm³ (8.02 ft³)**
Sd	**855 cm² (132.5 in²)**
η0	**1.44 %**
Xmax	**5.3 mm**
Xvar	**8 mm**
Mms	**82 g**
Bl	**11.5 Tm**
Le	**1.05 mH**
EBP	**46 Hz**

SPECIFICATIONS HF UNIT

Nominal Diameter	**380 mm (15 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**7.9 Ω**
Nominal Power Handling 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.	**70 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**140 W**
Sensitivity Applied RMS Voltage is set to 2.83V.	**106 dB**
Frequency Range	**1 kHz - 17 kHz**
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	**1.2 kHz**
Voice Coil Diameter	**51 mm (2 in)**
Winding Material	**Aluminium**
Inductance	**0.14 mH**
Flux Density	**1.6 T**
Diaphragm Material	**HT Polymer**

SPECIFICATIONS LF UNIT

Nominal Diameter	**380 mm (15 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6.2 Ω**
Nominal Power Handling 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.	**250 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**500 W**
Sensitivity Sensitivity at 2.83V/1m is calculated based on declared ·0and Re values.	**95.2 dB**
Voice Coil Diameter	**64 mm (2.5 in)**
Winding Material	**Copper**
Former Material	**Glass Fibre**
Winding Depth	**14.5 mm (0.57 in)**
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	**0.9 T**

DESIGN

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

MOUNTING AND SHIPPING INFO

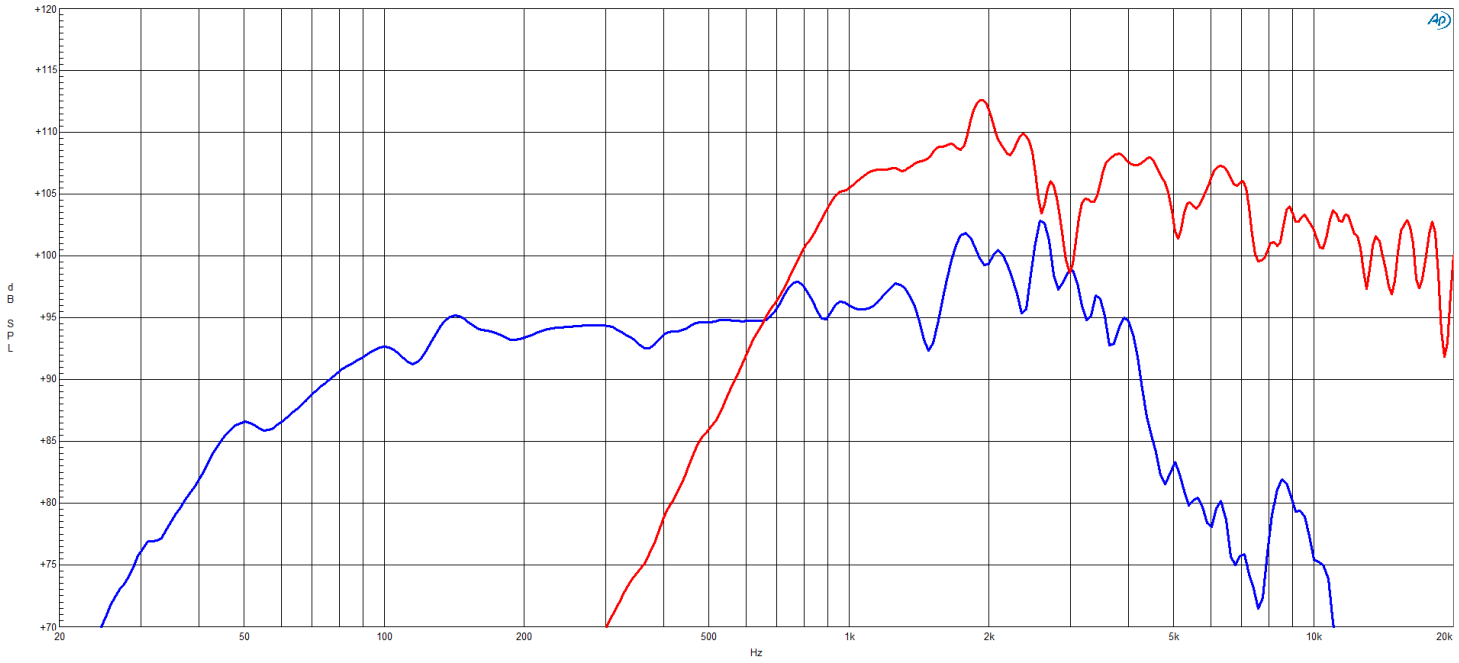
Overall Diameter	**388 mm (15.3 in)**
Bolt Circle Diameter	**372 mm (14.65 in)**
Baffle Cutout Diameter	**353 mm (13.9 in)**
Depth	**192 mm (7.56 in)**
Flange and Gasket Thickness	**10 mm (0.39 in)**
Net Weight	**3.8 kg (8.38 lb)**

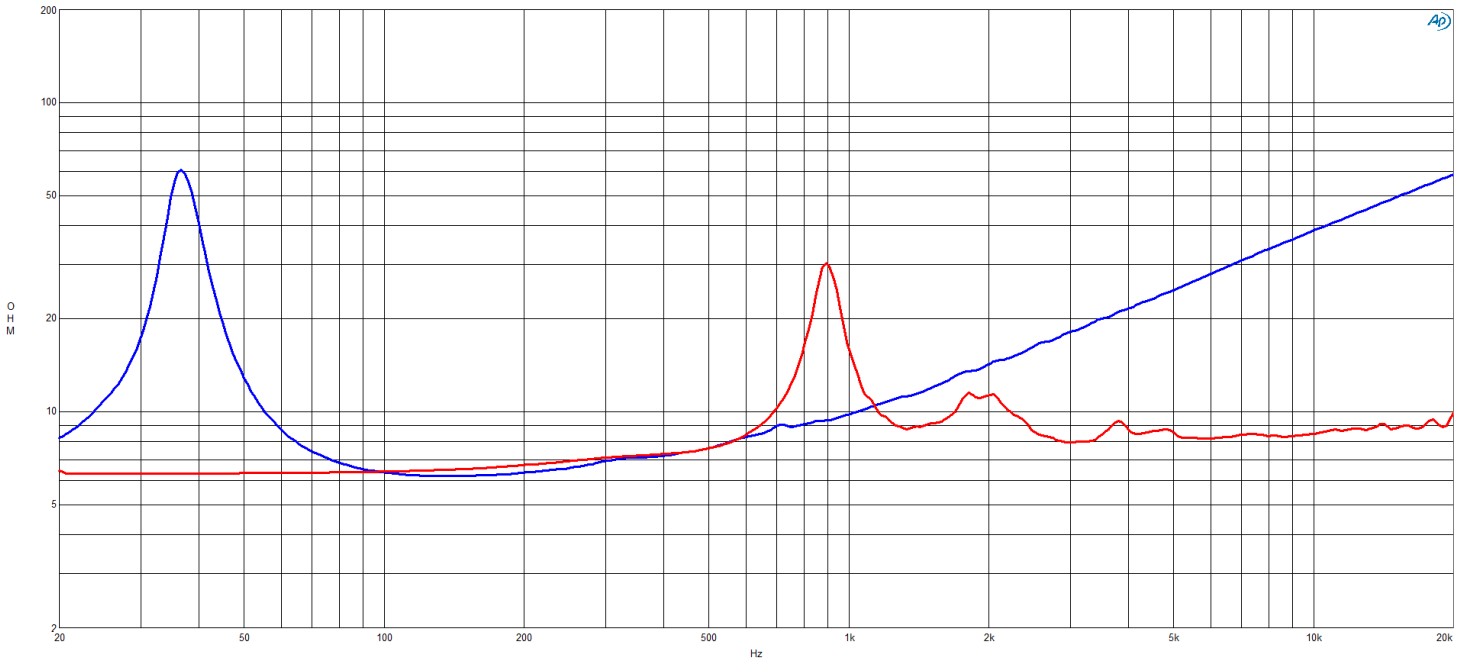
SERVICE KITS

HF replacement-diaphragm	**MMD5508**

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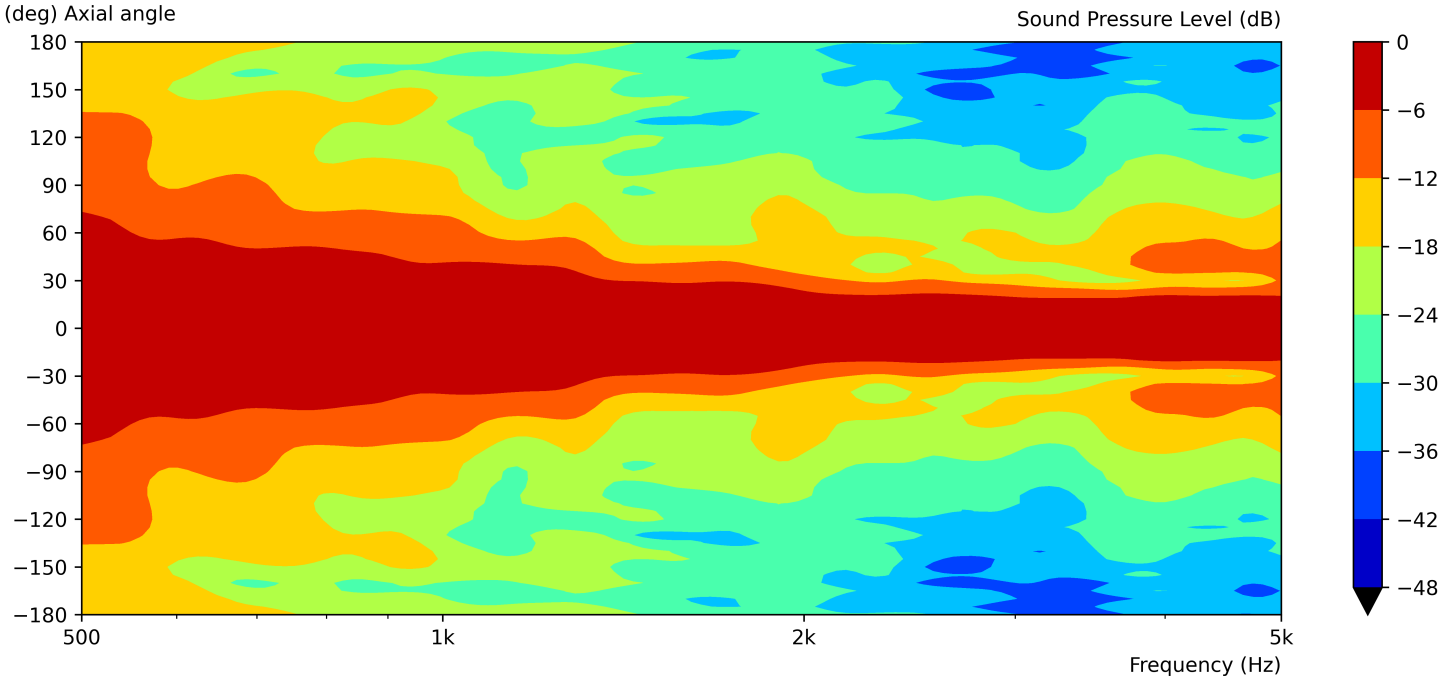
15CLX64 8 Ω


dB SPL
+120
+115
+110
+105
+100
+95
+90
+85
+80
+75
+70
20
50
100
200
500
1k
2k
5k
10k
20k
Hz

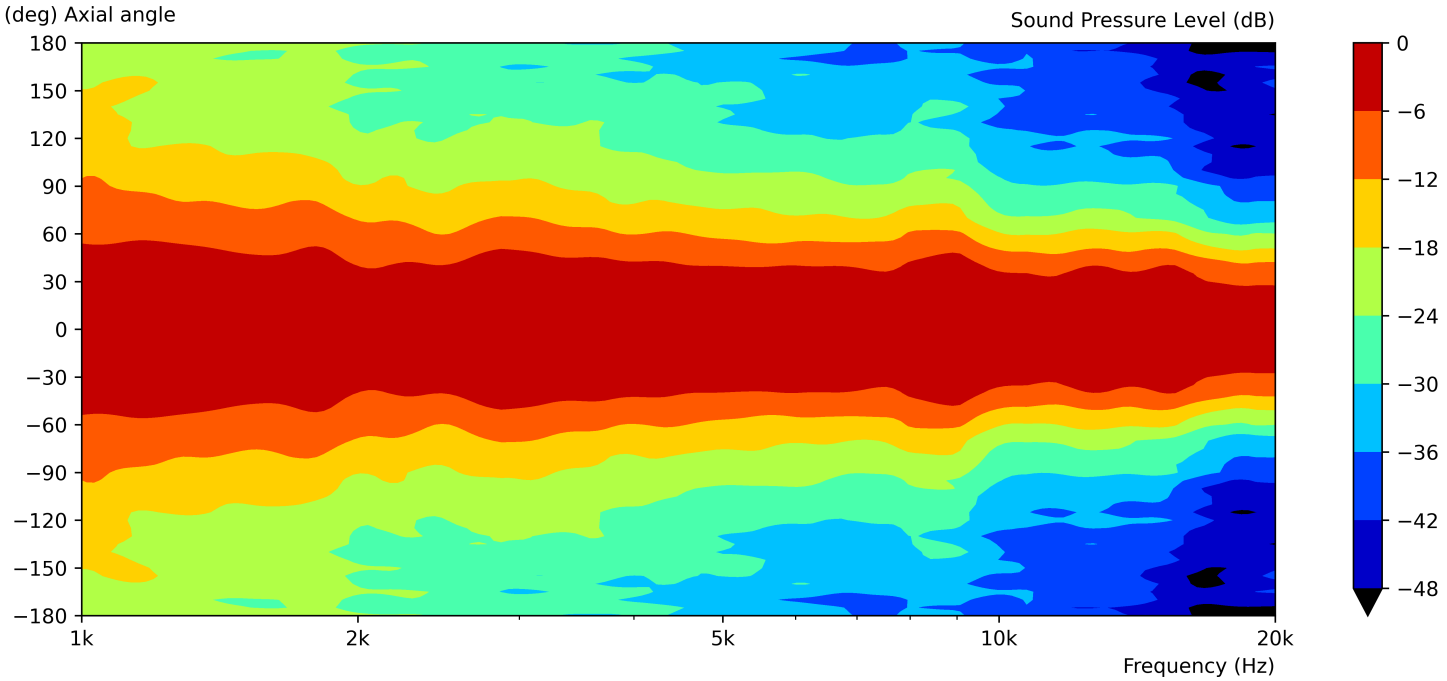

OHM
200
100
50
20
10
5
2
20
50
100
200
500
1k
2k
5k
10k
20k
Hz

15CLX64 8 Ω

15CLX64 LF Directivity Map

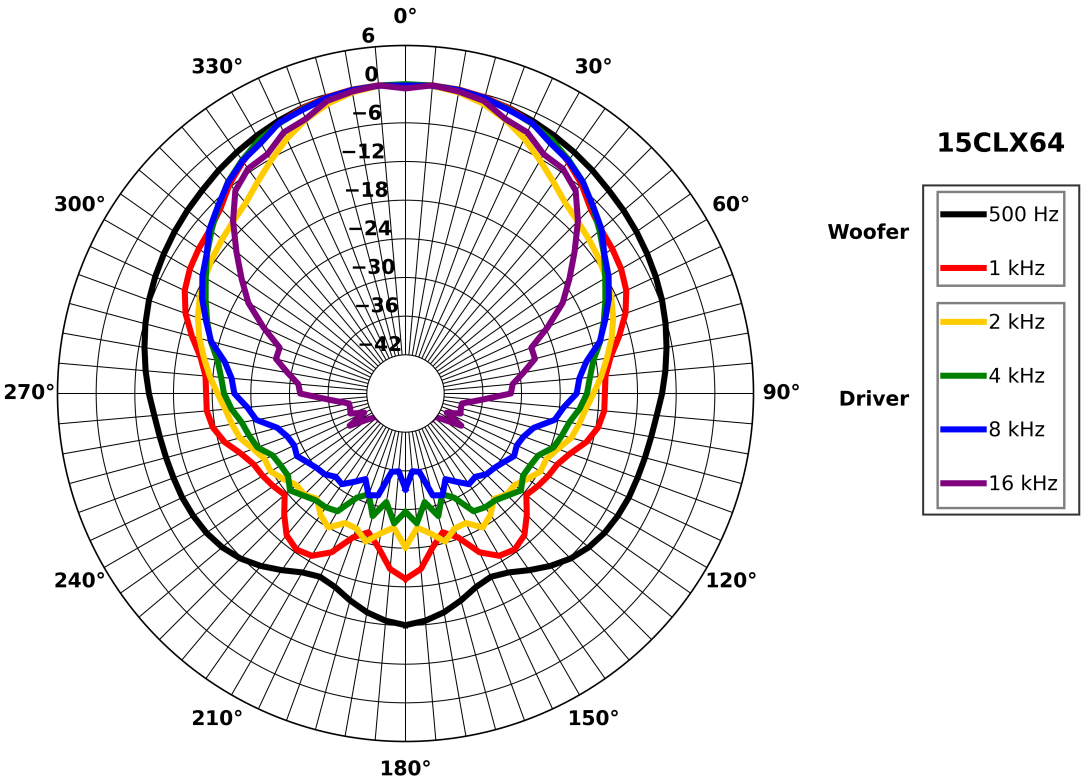


15CLX64 HF Directivity Map



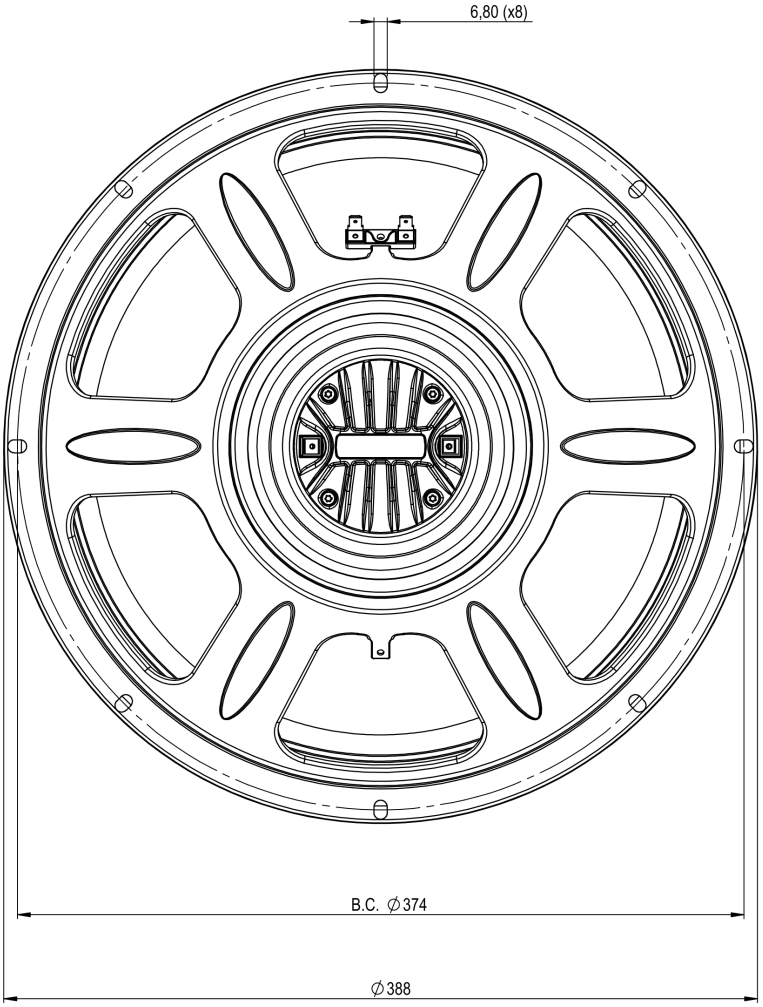
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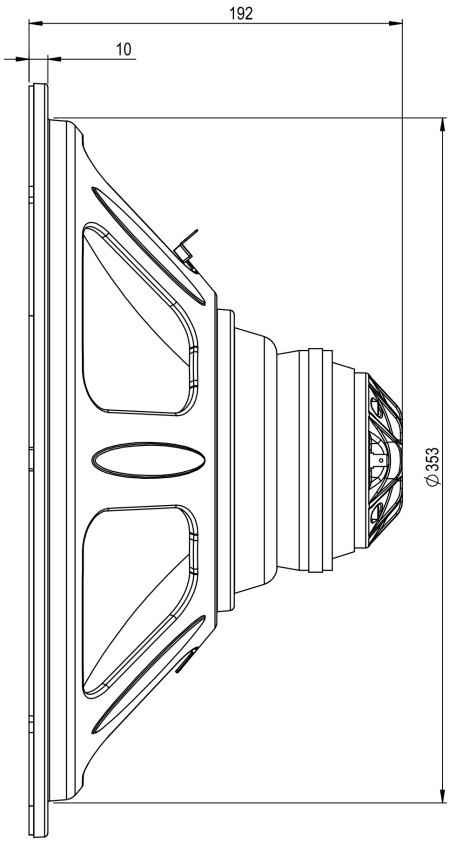
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