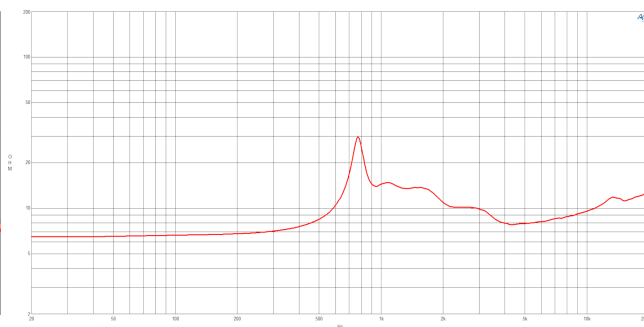
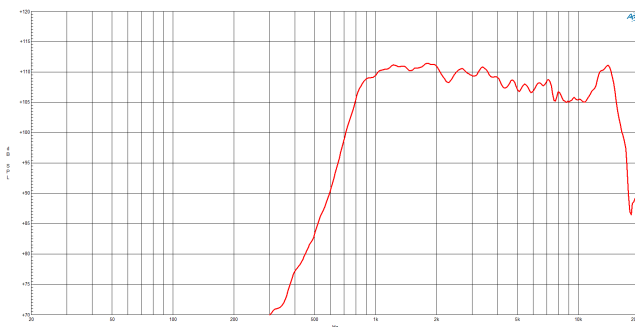


- Very Compact 69 mm diameter
- 80 W continuous program power capacity
- 1" horn throat diameter
- 44 mm (1.7 in) aluminium voice coil
- HT Polymer diaphragm
- 1000 - 18000 Hz response
- 109 dB sensitivity

HLX Series - The Helical Approach

B&C has a reputation for performance, by turning the limits of traditional compression driver design on their head. **HLX™** : Compression driver efficiency in miniature. The **HLX™** phase plug (US Patent #12149906) has a central channel that is twisted, like DNA, to gain the length required to match the outer channels. This technique works with standard, cost-effective injection mold tooling and plastics by rotating the inner die along a screw profile. The convex dome design, so achieved, has a number of significant cost and performance advantages.

- Minimized diameter, weight, and cost
- Increased diaphragm area
- Low, ~1kHz Crossover point
- Reduced distortion, especially intermodulation distortion
- More efficient magnetic flux use



SPECIFICATIONS

Driver mounted on B&C ME 45 horn.

Throat Diameter	25 mm (1 in)
Nominal Impedance	8 Ω
Minimum Impedance	7.8 Ω
Nominal Power Handling	40 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.
Continuous Power Handling	80 W Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
Sensitivity	109 dB Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
Frequency Range	1 kHz - 18 kHz
Recommended Crossover	1 kHz 12 dB/oct. or higher slope high-pass filter.
Voice Coil Diameter	44 mm (1.7 in)
Winding Material	Aluminium
Inductance	0.16 mH
Flux Density	1.9 T
Diaphragm Material	HT Polymer

SERVICE KITS

HF replacement-diaphragm	MMDDH4508
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MOUNTING AND SHIPPING INFO

<p>Two M5 holes 180° on 57 mm (2.24 in) diameter.</p><p>Diameter is 90mm at widest point (driver rotated, across mounting studs).</p>

Overall Diameter	69 mm (2.72 in)
Depth	65 mm (2.56 in)
Net Weight	0.6 kg (1.32 lb)
Shipping Units	1 pcs
Shipping Weight	0.64 kg (1.41 lb)
Shipping Box	120x120x65 mm (4.72x4.72x2.56 in)