



- Ultra Compact 48mm diameter
- 40 W continuous program power capacity
- 1" horn throat diameter
- 36 mm (1.4 in) aluminium voice coil
- HT Polymer diaphragm
- 1000 - 17000 Hz response
- 108 dB sensitivity

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 and EU Patents Pending) 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.

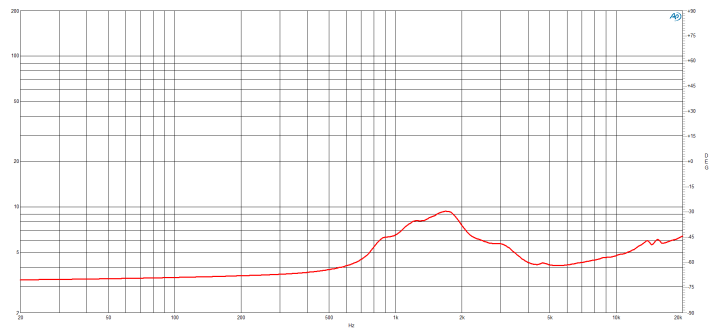
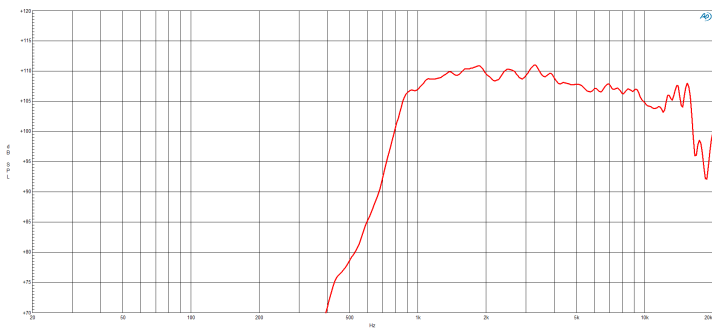
• Minimized diameter, weight, and cost

• 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	4 Ω
Minimum Impedance	4.1 Ω
Nominal Power Handling	20 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	40 W Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
Sensitivity	108 dB Applied RMS Voltage is set to 2 V for 4 ohms Nominal Impedance.
Frequency Range	1 - 17 kHz
Recommended Crossover	1 kHz 12 dB/oct. or higher slope high-pass filter.
Voice Coil Diameter	36 mm (1.4 in)
Winding Material	Aluminium
Inductance	0.06 mH
Diaphragm Material	HT Polymer
Magnet Material	Neodymium Inside Slug
Flux Density	1.8 T

MOUNTING AND SHIPPING INFO

Two M5 holes 180° on 53 mm (2.09 in) diameter Diameter is 64mm at widest point (driver rotated, across mounting studs)

Other details	One M5 threaded hole on the back of the magnet structure is available for the installation of an optional heat sink Diameter is 69mm at widest point (driver rotated, across connection tabs)
Overall Diameter	48 mm (1.89 in)
Depth	46 mm (1.81 in)
Net Weight	0.25 kg (0.56 lb)
Shipping Box	NaN in