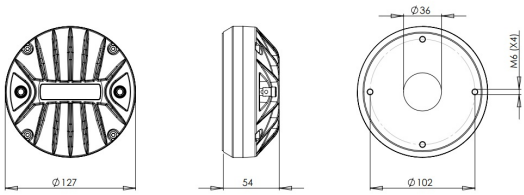
DE1090TN

8Ω

HF Drivers - 1.4 Inches



- 240 W continuous program power capacity
- 1.4" horn throat diameter
- 100 mm (4 in) CCAW voice coil
- Titanium diaphragm
- 500 - 20000 Hz response
- 108 dB sensitivity
- Neodymium magnet assembly with shorting copper cap

DESCRIPTION

The DE1090TN is the latest version of our premium 100mm (4.0 in) voice coil, neodymium high frequency driver. The compact 127mm diameter was achieved using a specially designed inside ring neodymium magnet. The diaphragm used in DE1090TN has been completely redesigned to incorporate a bent edge voice coil former, as well as new dome and surround geometry. These modifications combine to better control diaphragm displacement and deformations, resulting in lower distortion and a smoother higher frequency response above 10kHz.

B&C Speakers s.p.a.

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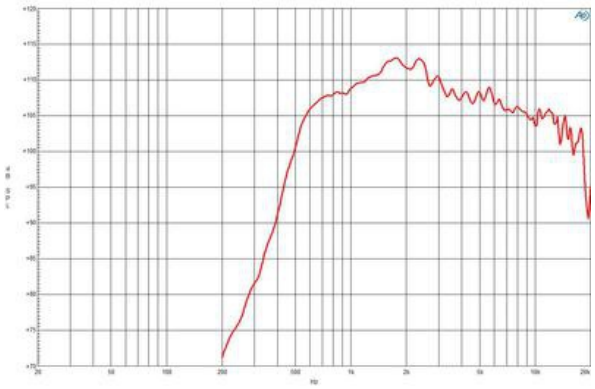

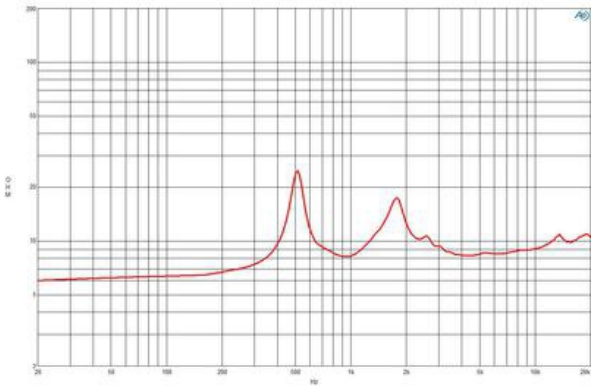

SPECIFICATIONS[1]

Throat Diameter	36 mm (1.4 in)
Nominal Impedance	8 Ω
Minimum Impedance	8.3 Ω
Nominal Power Handling[2]	120 W
Continuous Power Handling[3]	240 W
Sensitivity[4]	108.0 dB
Frequency Range	500 - 20 kHz
Recommended Crossover[5]	0.8 kHz
Voice Coil Diameter	100 mm (4.0 in)
Winding Material	CCAW
Inductance	0.18 mH
Diaphragm Material	Titanium
Flux Density	1.9 T
Magnet Material	Neo Inside Ring

MOUNTING AND SHIPPING INFO

Four M6 holes 90° on 102 mm (4 in) diameter	
Overall Diameter	127 mm (5.0 in)
Depth	54 mm (2.13 in)
Net Weight	1.9 kg (4.19 lb)
Shipping Units	1
Shipping Weight	2.2 kg (4.85 lb)
Shipping Box	195x195x100 mm (7.68x7.68x3.94 in)

REPLACEMENT DIAPHRAGM

MMD1090TN8

1. Driver mounted on B&C ME90 horn
2. 2 hour test made with continuous pink noise signal (6 dB crest factor) within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated minimum impedance.
3. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
4. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
5. 12 dB/oct. or higher slope high-pass filter.

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