beyma
PROFESSIONAL LOUDSPEAKERS

CP-750Nd

HIGH FREQUENCY COMPRESSION DRIVER

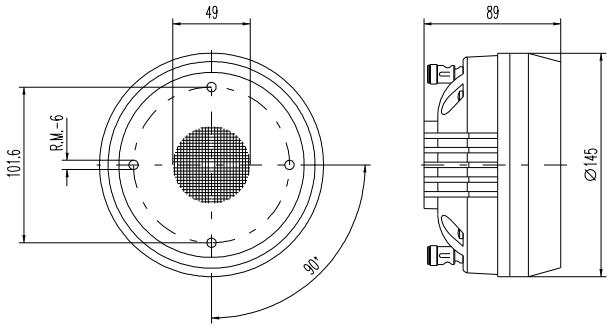
TECHNICAL SPECIFICATIONS

Throat diameter	49 mm. 2 in.
Rated impedance	8 ohms
Minimum impedance	7.4 ohms @ 3.5 kHz
D.C. Resistance	5.5 ohms
Power capacity *	60 w AES above 0.8 kHz 80 w AES above 1.5 kHz
Program power	120 w above 0.8 kHz 160 w above 1.5 kHz
Sensitivity **	112 dB 1 w @ 1m coupled to TD-400N horn
Frequency range	0.6 - 20 kHz
Recommended crossover	800 Hz or higher (12 dB/oct. min.)
Voice coil diameter	72.2 mm. 2.87 in.
Magnetic assembly weight	3.1 kg. 6.82 lb.
Flux density	2.2 T
BL factor	11.5 N/A

MOUNTING INFORMATION

Overall diameter	145 mm. 5.70 in.
Depth	89 mm. 3.5 in.
Mounting	Four M6 threaded holes, 90º apart on 101.6 mm (4 in.) diameter circle. Mounting hardware is supplied.
Net weight	3.5 kg. 7.7 lb.
Shipping weight	3.75 kg. 8.25 lb.

DIMENSION DRAWINGS



MATERIALS

- **Diaphragm:** titanium.
- **Voice coil:** edgewound aluminium ribbon wire.
- **Voice coil former:** kapton.
- **Magnet:** neodymium.

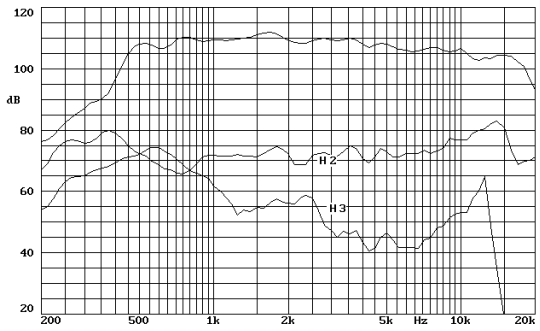
Notes:

*The power capacity is determined according to AES2-1984 (r2003) standard.
Program power is defined as the transducer's ability to handle normal music program material.
**Sensitivity was measured at 1 m distance, on axis, with 1 w input, averaged in the range 1-7 kHz.

GENERAL DESCRIPTION

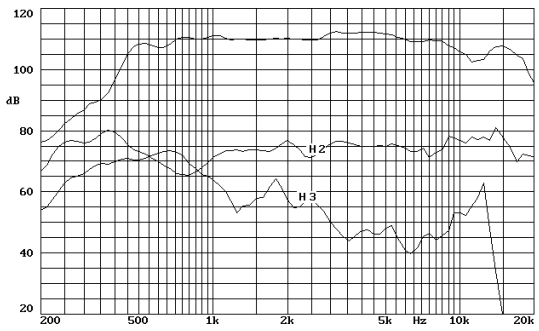
This high frequency compression driver features a composite structure diaphragm. It has a Mylar surround to provide damping and avoid resonant peaks typical of metal surrounds. The dome is made of pure titanium, with its unique mechanical properties.
This diaphragm combined with a new optimized phasing-plug and a copper ring, results in an extremely smoothed and extended high frequency response.

FREQUENCY RESPONSE AND DISTORTION CURVES



Note: on axis frequency response measured coupled to TD-400N horn in anechoic chamber, 1w @ 1m.

FREQUENCY RESPONSE AND DISTORTION CURVES



Note: on axis frequency response measured coupled to TD-460N horn in anechoic chamber, 1w @ 1m.

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