beyma
PROFESSIONAL LOUDSPEAKERS

TD365

Constant Directivity Horn

KEY FEATURES

- Designed for compression drivers with 1.4'' throat diameter
- It provides uniform response, on and off-axis with a neutral and natural frequency reproduction
- Coverage angles of 60º in the horizontal plane and 50º in the vertical plane
- Precise directivity control in the pass band
- Its square form provides more versatility to mount it in the box



GENERAL DESCRIPTION

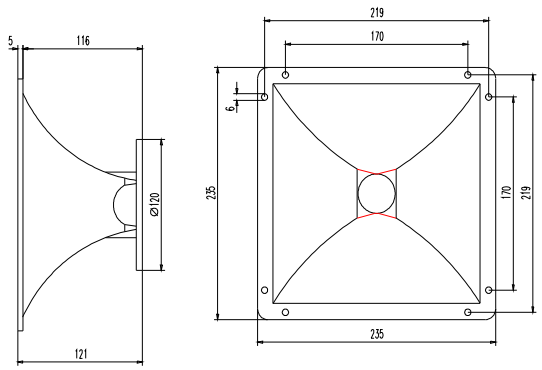
This 1.4" entry horn is designed to provide uniform on and off-axis response. The constant directivity characteristics of this model ensure the ability to cover 60º wide horizontally and 50º wide vertically, at virtually any frequency within its operational range. To ensure freedom of resonance, this flare is constructed of cast aluminium, with flat front finish for an easy flush mounting.

TECHNICAL SPECIFICATIONS

Throat diameter	36 mm. 1.4 in.	
Horizontal beamwidth	60º (+27º, -6º)	
	(-6 dB, 1 - 16 kHz)	
Vertical beamwidth	50º (+20º , -1º)	
	(-6 dB, 2.5 - 16 kHz)	
Directivity factor (Q)	11.1 (average 0.63 - 16 kHz)	
Directivity index (DI)	10.3 dB (+1.9 dB, -2.4 dB)	
Cutoff frequency	800 Hz	
Dimensions (WxHxD)	235x235x120 mm.	9.25x9.25x4.72 in.
Cutout dimensions (WxH)	204x202 mm.	8.03x7.95 in.
Net weight	1.2 kg.	2.64 lb.
Shipping weight	1.53 kg.	3.37 lb.

Construction:
Cast aluminium.
Connection of driver by four screws on a 101.6 mm. diameter bolt circle.

DIMENSION DRAWINGS

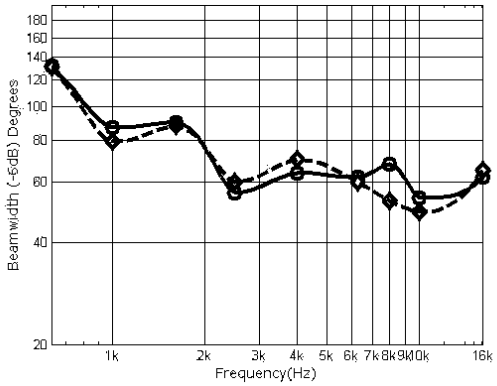


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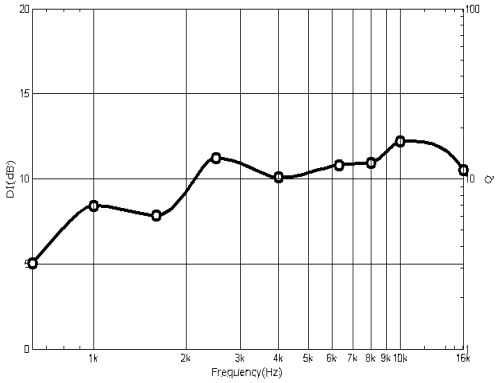
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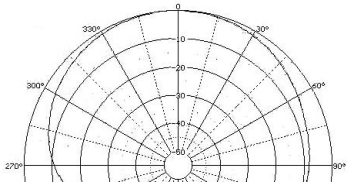
-6 dB BEAMWIDTH *

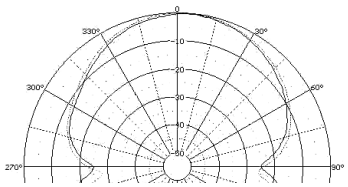


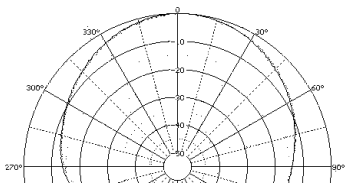
DIRECTIVITY

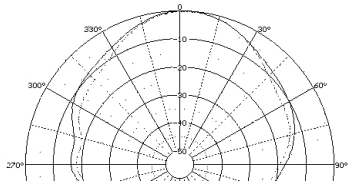


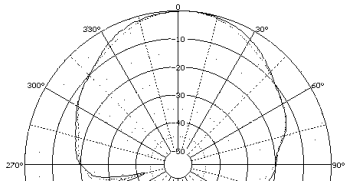
POLAR RESPONSE **

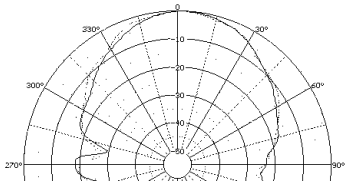

630 Hz

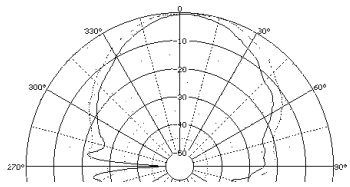

1 kHz

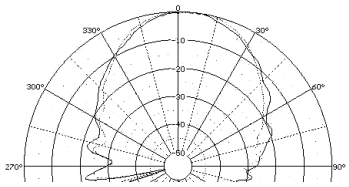

1,6 kHz

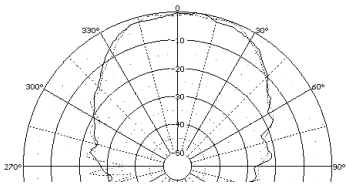

2,5 kHz


4 kHz


6,3 kHz


8 kHz


10 kHz


16 kHz

Notes:

*Horizontal beamwidth is represented by the heavy line.
Vertical beamwidth is represented by the discontinuous line.

** Horizontal response is represented by the heavy line. Vertical response is represented by the discontinuous line.
The polar plots are reproduction of measurements done with single sinusoidal signal tones, at the indicated frequencies.
The microphone was placed 2m. from the horn, and rotation was about the centre of the emitter source.

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