beyma

PROFESSIONAL LOUDSPEAKERS
www.beyma.com

CD-171Fe/PK

COMPRESSION DRIVER

Preliminary Data Sheet

KEY FEATURES

- Next generation high performance 1” (25,4 mm) exit compression driver
- Deplocex® Patent Pending Technology for improved thermal disipation, low power compression losses and high power handling
- 1,75” (44,4 mm) Copper Clad Aluminum voice coil with Kapton former
- 160 W program power above 1,4 kHz
- Sensitivity: 109 dB (1W / 1m)
- Exclusive High Temperature Polymer dome and surround desing optimized with F.E.M for linear and extended response with minimized resonances
- Copper shorting cap for reduced distortion, linear inductance and increased output
- F.E.M. optimized ceramic magnetic circuit
- Aluminium cover





TECHNICAL SPECIFICATIONS

Throat diameter	25,4 mm	1 in
Rated impedance		8 Ω
Minimum impedance		6,1 Ω
D.C. resistance		4,1 Ω
Power capacity [1]	80 W_{AES} above 1,4 kHz	
Program power [2]	160 W above 1,4 kHz	
Sensitivity [3]	109 dB 1W / 1m @ Z_N coupled to TD-164	

Frequency range		0,8 - 20 kHz
Recommended crossover		1,4 kHz or higher (12 dB/oct min.)
Voice coil diameter	44,4 mm	1,75 in
Flux density		1,6 T
Bl factor		5,4 N/A

Notes:

[1] The power capaticty is determined according to AES2-1984 (r2003) standard.

[2] Program power is defined as the transducer’s ability to handle normal music program material.

[3] Sensitivity was measured at 1m distance, on axis, with 1W input, averaged in the range 2 - 7 kHz

Acústica Beyma SL - P.I. Moncada II, C/ Pont Sec, 1C - 46113 Moncada, Valencia (Spain) - Tel. +34 96 130 13 75 - beyma@beyma.com

beyma

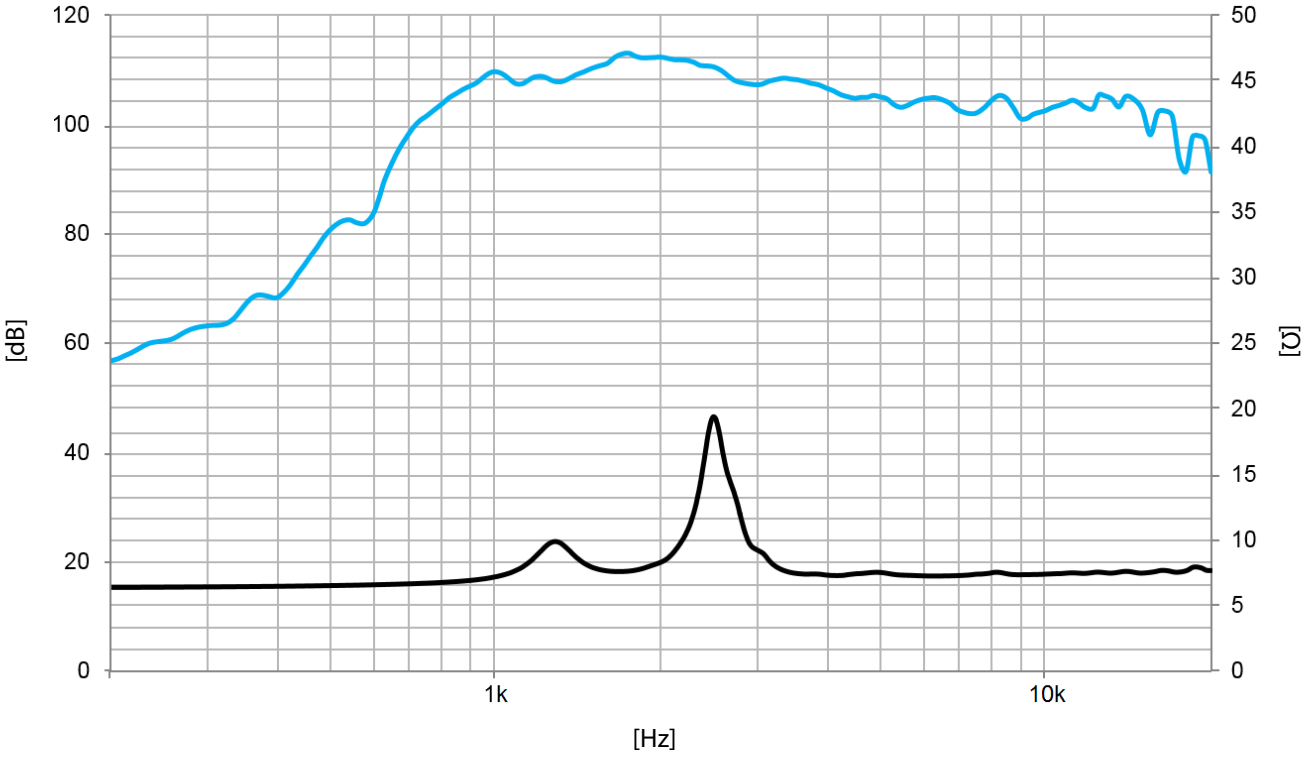
PROFESSIONAL LOUDSPEAKERS

www.beyma.com

CD-171Fe/PK

COMPRESSION DRIVER

Preliminary Data Sheet



Note: On axis frequency response measured coupled to TD-164 horn in anechoic chamber, 1W / 1m

MOUNTING INFORMATION

Overall diameter	120 mm	4,72 in
Depth	59 mm	2,32 in
Mounting	Three M5 threaded holes, 120º apart on 57 mm (2,24 in) diameter circle	
	Two M5 threaded holes, 180º apart on 76,2 mm (3 in) diameter circle	
Net weight	2,3 kg	5 lb
Shipping weight	2,4 kg	5,3 lb

DIMENSION DRAWING

