COMPRESSION DRIVER

CD - 442 M

INTERNAL REF. 723600

KEY FEATURES

120 Watt Max Power

1" Horn throat diameter

Mylar flat diaphragm

44 mm (1.73 in) voice coil, aluminium wire

Neodymium ring magnet structure

Copper short. cap for extended frequency response

16 Ohm available



MEASURE CONDITIONS

Measurement executed in free air (1m) in semi-anechoic chamber

(free field above 100 Hz) + Plane Wave Tube

Applied RMS Voltage is set to 2.83 V for 8 nominal impedance

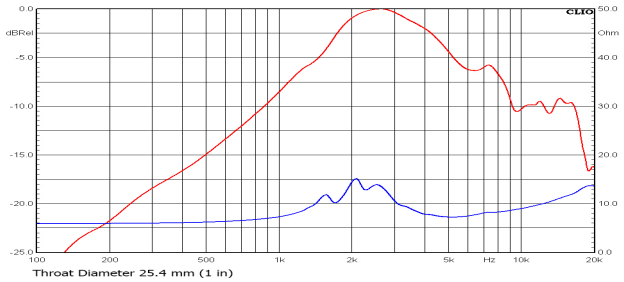
Impedance module related to driver in free air

Frequency response with driver mounted on: PR312

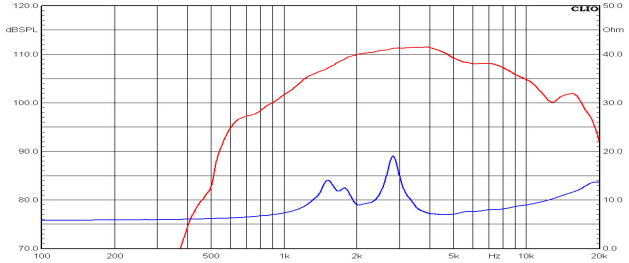
MECHANICAL & SHIPPING INFORMATIONS

Net weight	0.80 kg (1.76 lb)
Overall Diameter	84 mm (3.31 in)
Mounting holes diameter	2 x M6 holes 180°
Mounting bolt diameter	76 mm (2.99 in)
Total Volume Size	0.19 dm³ (0.007 ft3)
Total Depth	54 mm (2.13 in)
Units per Shipping Box	12 units
Shipping Box Size (mm)	305 x 305 x 210 mm
Shipping Box Size (in)	12 x 12 x 8.3 in

PLANE WAVE TUBE



SEMI-ANECHOIC CHAMBER



GENERAL SPECIFICATIONS

Throat Diameter	25.4 mm (1 in)
Nominal Impendance	8 W
Minimum Impedance	7.5 W
Direct Current Resistance (Re)	5.4 W
Minimum Crossover Frequency (1)	1.8 kHz
Sensitivity (1W/1m) (2)	110 dB
Frequency Range	1.0 ÷ 20 kHz
AES Power (3)	60 W
Program Power (4)	120 W
Diaphragm Material	Flat Mylar
Voice Coil Diameter	44 mm (1.73 in)
Voice Coil Winding Material	Aluminum
Voice Coil Former Material	Kapton
Phase Plug Material	Reinforced plastic polymer
Magnet Material	Neodymium

Full Throat Angle	37.2
BL Factor	7.4 N/A
Flux Density	1.85 T
Inductance (Le)	0.082 mH

NOTES

(1) Minimum Crossover Frequency require a 12 dB/oct or higher slope high-pass filter.

(2) Sensitivity is measured at 1 m on axis from the mouth of horn, averaged between 1 kHz and 4 kHz.

(3) AES Power rating is a test made for 2 hours with Pink Noise signal having a 6 dB Crest Factor from minimum crossover frequency. Power calculated on minimum impedance. Driver mounted on aluminium horn.

(4) Program Power rating is defined as 3 dB greater than AES rating and is a conservative expression of the transducer ability to handle music program material.