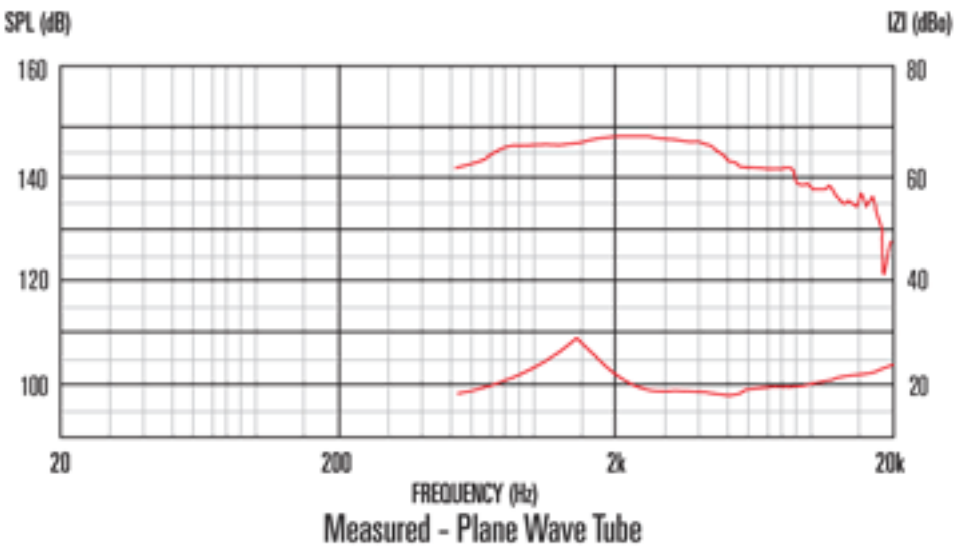
Compression Drivers / Ferrite

CDX1-1745

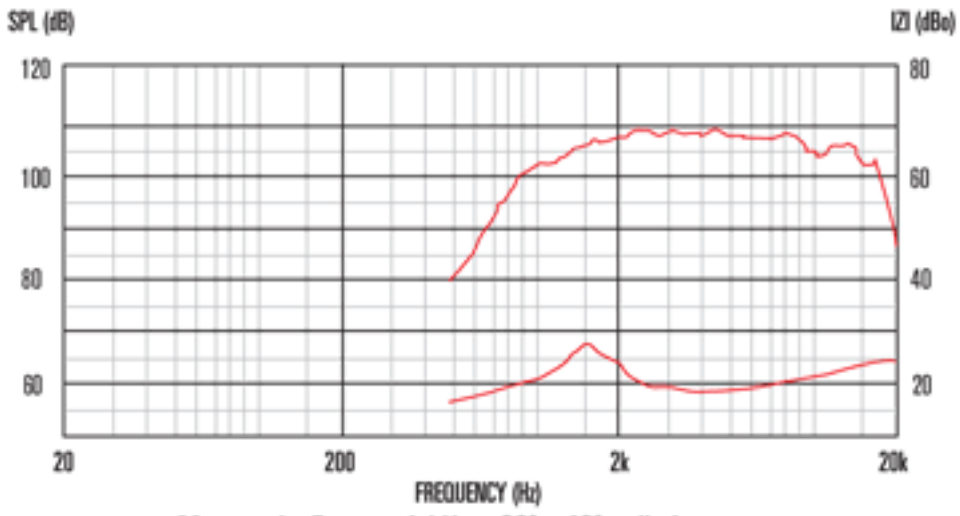
Features

- 1" exit, ferrite magnet compression driver with 1.75" edgewound copper clad aluminium voice coil
- 40Wrms power handling (AES standard) and 110dB sensitivity
- Sound Castle™ clamping ensures even pressure on diaphragm assembly for reduced distortion
- One piece PETP diaphragm and surround
- Finite Element Analysis (FEA) used to optimise both magnet assembly and acoustic design

8 Ω Frequency Response



Measured - Plane Wave Tube



Measured - Exponential Horn 90° x 40° radiation pattern

General Specifications

Power rating [1]	40Wrms
Nominal impedance	8/16Ω
Frequency range	1200-20000Hz
Sensitivity [2]	110dB
Recommended min. crossover (12dB/oct)	2200Hz
Voice coil diameter	44mm/1.75in
Voice coil material	Edgewound copper clad aluminium
Magnet type	Ferrite
Diaphragm material	PETP film
Surround material	PETP film

Mounting Information

Overall width	120mm/4.7in
Overall depth	56mm/2.2in
Fitting	Flange (2 /3 M6 holes on 76/57mm, 3.0/2.24in PCD)
Throat exit	25.4mm/1in
Unit weight	2.3kg/5.1lb

Packed Dimensions & Weight

Single pack size W x D x H	140mm x 170mm x 70mm /5.5in x 6.7in x 2.8in
Single pack weight	3kg/6.6lb
Multi pack (6) size W x D x H	430mm x 370mm x 90mm /16.9in x 14.6in x 3.5in
Multi pack (6) weight	14kg/31lb

1. Tested for two hours on plane wave tube using a continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance.
2. Measured on axis at 1W, 1m, using typical horn, in 2 anechoic environment.

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