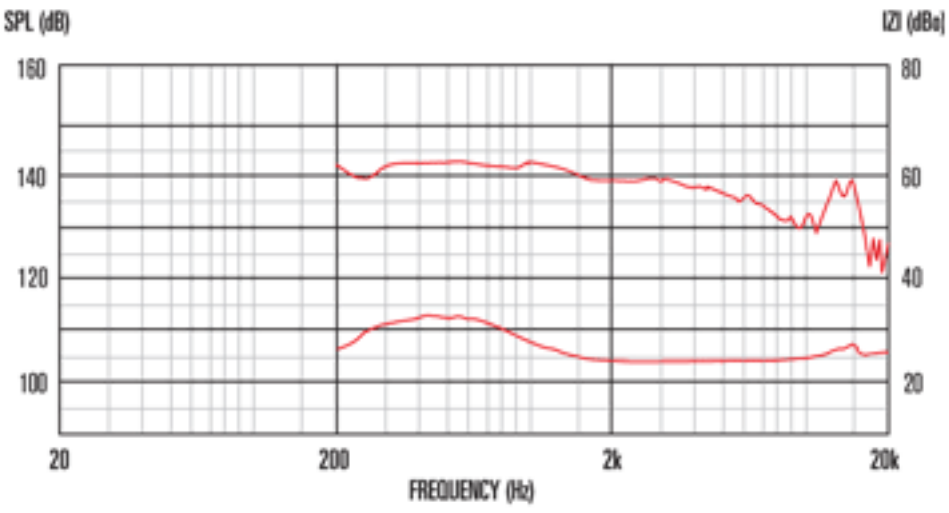
Compression Drivers / Neo

CDX1-1720

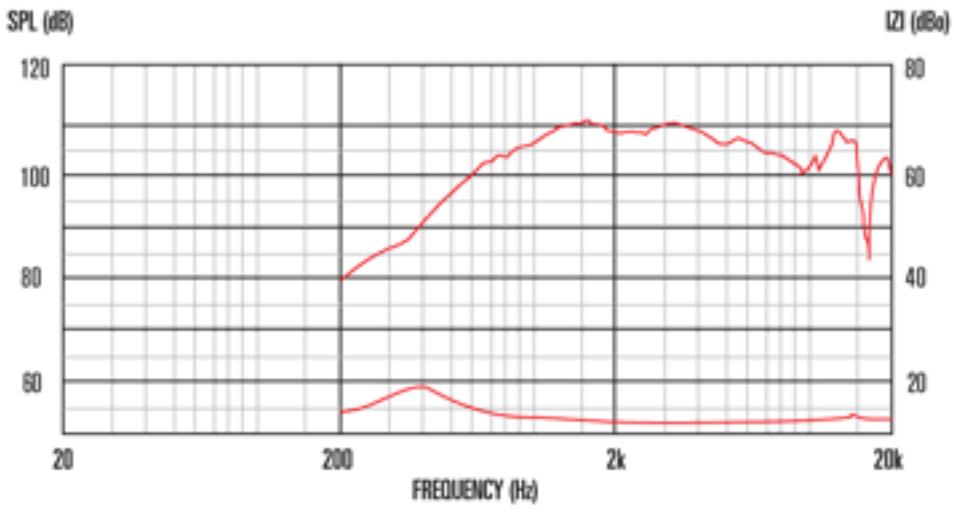
Features

- 1" exit, lightweight and compact compression driver featuring neodymium magnet and 1.75" diameter titanium diaphragm
- 50Wrms (AES standard) power handling and 107dB sensitivity
- Rolled polyimide surround improves stiffness control, further lowering distortion
- Lower resonance enabling lower crossover frequency
- Patented phase plug design method suppresses cavity resonances at frequencies higher than that of conventional designs
- Lower compression ratio reduces air non-linearity and allows for higher maximum SPL
- Curved coherent wavefront, optimised for horn loading

8 Ω Frequency Response



Measured - Plane Wave Tube



Measured - Exponential Horn 80° x 60° radiation pattern

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.

General Specifications

Power rating [1]	50Wrms
Nominal impedance	8 Ω
Frequency range	800-20,000Hz
Sensitivity [2]	107dB
Recommended min. crossover (12dB/oct)	1500Hz
Voice coil diameter	44mm/1.75in
Voice coil material	Edgewound copper clad aluminium
Magnet type	Neodymium
Diaphragm material	Titanium
Surround material	Polyimide

Mounting Information

Overall depth	55mm/2.2in
Fitting	Flange (4 x M6 holes on 76mm /3in PCD)
Throat exit	25.4mm/1in
Maximum width	88.5mm/3.48in
Minimum width	82.0mm/3.23in
Unit weight	0.65kg/1.4lb

Packed Dimensions & Weight

Single pack size W x D x H	90mm x 90mm x 60mm /3.5in x 3.5in x 2.4in
Single pack weight	0.75kg/1.65lb
Multi pack (16) size W x D x H	500mm x 485mm x 110mm /19.7in x 19.1in x 4.3in
Multi pack (16) weight	11.2kg/24.9lb

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