CELESTION

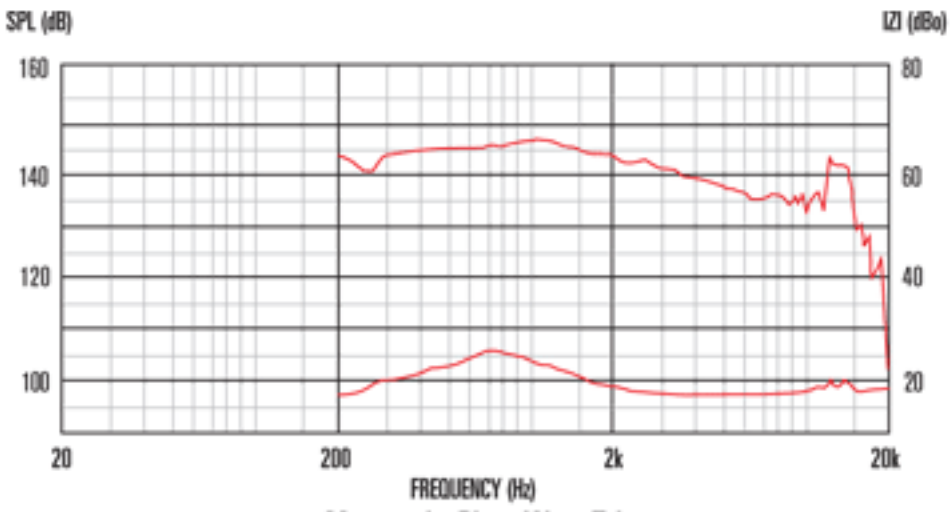
Compression Drivers / Neo

CDX14-3050

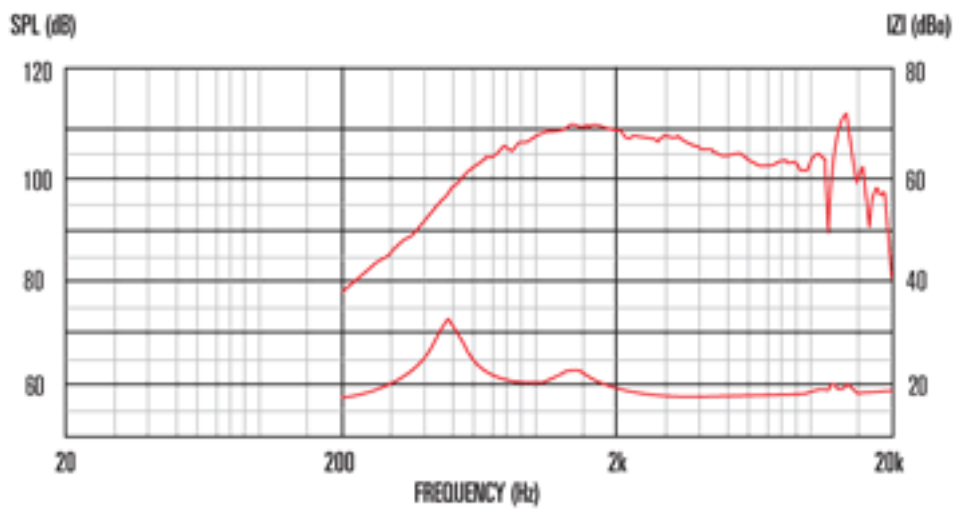
Features

- 1.4" exit, neodymium magnet, 3" voice coil compression driver provides 75Wrms (AES standard) power handling and 106.5dB sensitivity
- Patented phase plug design method suppresses cavity resonances at higher frequencies
- Titanium diaphragm, deep drawn to increase stiffness and reduce distortion
- Lower compression ratio reduces air non-linearity and allows for higher maximum SPL
- Rolled polyimide surround improves stiffness control, further lowering distortion
- Curved coherent wavefront, optimised for horn loading

8 Ω Frequency Response



Measured - Plane Wave Tube



Measured - Exponential Horn 80° x 60° radiation pattern

General Specifications

Power rating [1]	75Wrms
Nominal impedance	8 Ω
Frequency range	500-18,000Hz
Sensitivity [2]	106.5dB
Recommended min. crossover (12dB/oct)	1000Hz
Voice coil diameter	75mm/3in
Voice coil material	Edgewound copper clad aluminium
Magnet type	Neodymium
Diaphragm material	Titanium
Surround material	Polyimide

Mounting Information

Overall width	125mm/5.0in
Overall depth	56mm/2.2in
Fitting	Flange (4 x M6 holes on 102mm /4in PCD)
Throat exit	35.6mm/1.4in
Unit weight	1.7kg/3.7lb

Packed Dimensions & Weight

Single pack size W x D x H	130mm x 130mm x 65mm /5.1in x 5.1in x 2.6in
Single pack weight	2.0kg/4.4lb
Multi pack (6) size W x D x H	500mm x 365mm x 90mm /19.7in x 14.4in x 3.5in
Multi pack (6) weight	11.5 kg/25.3lb

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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