CELESTION

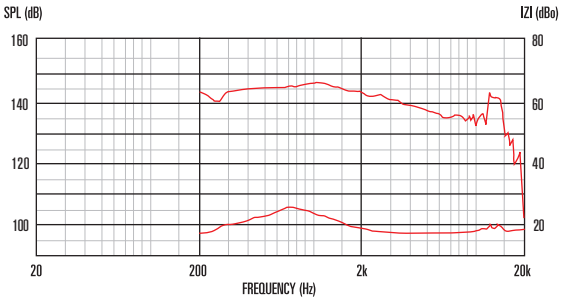
CDX14-3050

Neodymium magnet compression driver

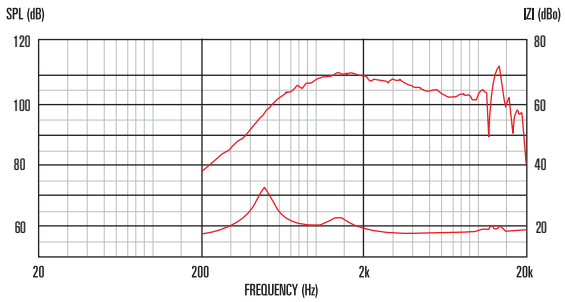
Features

- **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**

Frequency Response and Impedance Curves



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 2π anechoic environment.

Also available in 16Ω, data available on request

General Specifications

Power rating[1]	75Wrms
Nominal impedance	8Ω
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
Diaphragm material	Titanium
Magnet material	Neodymium
Surround material	Polyimide

Mounting Information

Width	125mm/5.0in
Depth	56mm/2.2in
Weight	1.7kg/3.7lb
Fitting	Flange (4 x M6 holes on 102mm/4in PCD)
Throat exit	35.6mm/1.4in

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