



CDX1-1430

Neodymium magnet compression driver

General Specifications

Power rating ¹	50Wrms
Nominal impedance.....	8Ω
Frequency range.....	2000-20,000Hz
Sensitivity ²	108dB
Recommended min. crossover (12dB/oct).....	2500Hz
Voice coil diameter.....	35mm/1.4in
Voice coil material.....	Copper clad aluminium
Magnet type.....	Neodymium
Diaphragm material.....	Aluminium
Surround material.....	Elastomer

Mounting Information

Width.....	90mm/3.5in
Depth.....	58mm/2.3in
Weight.....	0.47kg/1.0lb
Fitting.....	Flange (2 x M6 holes on 76mm, 3.0in PCD)
Throat exit.....	25.4mm/1in

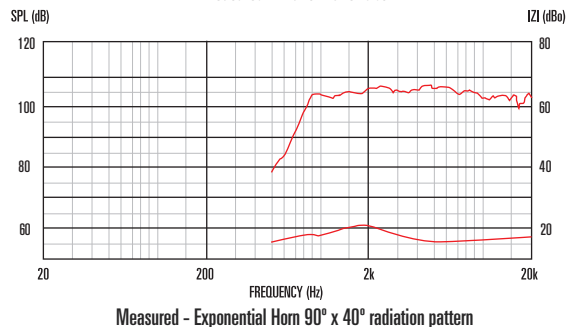
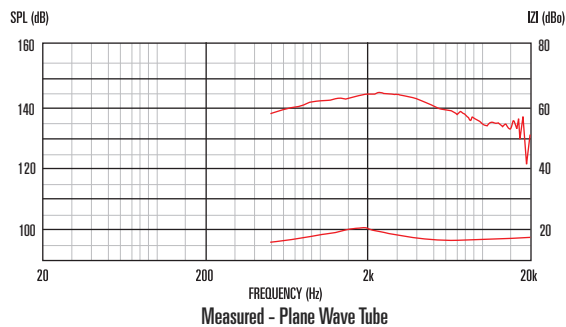
Packed Dimensions & Weight

Single pack size W x D x H.....	90mm x 90mm x 60mm
.....	/3.5in x 3.5in x 2.4in
Single pack weight.....	0.6kg/1.3lb
Multi pack (24) size W x D x H.....	345mm x 370mm x 245mm
.....	/13.6in x 14.6in x 9.6in
Multi pack (24) weight.....	12.5kg/28lb

Features

- 1" exit neodymium compression driver with 1.4" copper clad aluminium voice coil
- 50Wrms power handling (AES standard) and 108dB sensitivity
- Copper sleeve on pole reduces inductive rise for improved HF performance
- Ferrofluid in magnet gap prevents sensitivity loss through thermal compression
- Aluminium diaphragm combined with elastomer surround delivers lower distortion performance
- Finite Element Analysis (FEA) used to optimise both magnet and acoustic design
- Screw mounting adaptor available

Frequency Response and Impedance Curves



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.

