



# CDX1-1720

Neodymium magnet compression driver

## General Specifications

Power rating <sup>1</sup> .....	50Wrms
Nominal impedance.....	8Ω
Sensitivity <sup>2</sup> .....	107dB
Frequency range.....	800-20,000Hz
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

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

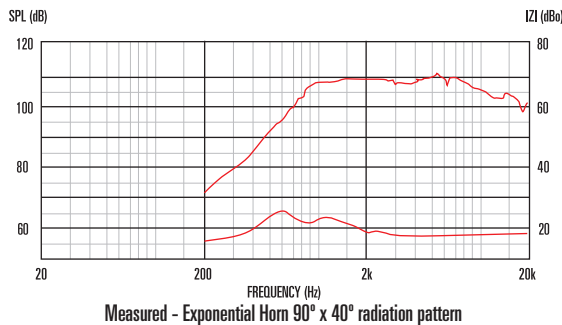
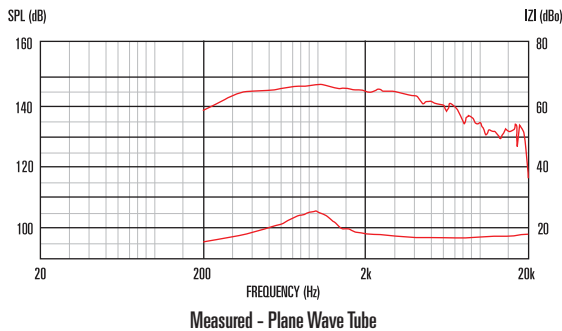
## Packed Dimensions & Weight

Single pack size W x D x H.....	90mm x 90mm x 60mm
.....	/3.5in x 3.5in x 2.4in
Single pack weight.....	0.75kg/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

## 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

## 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.

