## **CELESTION**

# **HF Compression Drivers** CDX1-1742



### 1-inch exit ferrite magnet compression driver

- Single piece polyimide diaphragm and surround
- Next generation Sound Castle soft clamping diaphragm assembly
- 2,000Hz recommended min. crossover freq (12dB/oct)

100W Continuous power rating 107dB sensitivity

1.75in

Edgewound clad copper voice aluminium coil

#### **General Specifications**

Power Rating 50W 100W Continuous power rating Rated impedance 8 ohm 107dB Frequency range 1200-20,000Hz Recommended min. crossover (12 2000Hz

dB/oct)

Magnet type Ferrite Voice coil diameter 44mm / 1.75in

Voice coil material Edgewound copper clad aluminium

Diaphragm material Polyimide Surround material Polyimide

#### **Mounting Information**

Width 100mm / 4.0in Depth 53.5mm / 2.1in Fitting Bolt (2/3 M6 holes on 76/57mm, 3.0/2.24in PCD)

Throat exit 25mm / 1in Unit weight 1.4kg / 3.1lb

#### **Packed Dimensions & Weight**

Single pack size W x D x H 140mm x 170mm x 70mm / x

5.5in 6.7in x 2.8in Single pack weight 2kg / 4.4lb

Multi pack qty 16

Multi pack size W x D x H 495mm x 495mm x 90mm / x

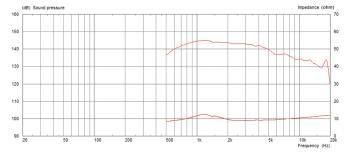
19.5in 19.5in x 3.5in

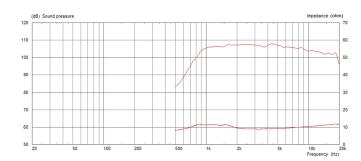
Multi pack weight 26kg / 57.2lb

#### Horns and repair kits

T5572 Diaphragm repair kit 8 ohm H19040P Horn T5359 T5134 H17050 No Bell Horn

#### Frequency and Response and Impedance Curves





Power rating: 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.

Continuous power rating: Defined as 3dB greater than the AES rating.

Sensitivity: Measured on axis at 1W, 1m, using typical horn, in 2 pi anechoic environment.

