

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)

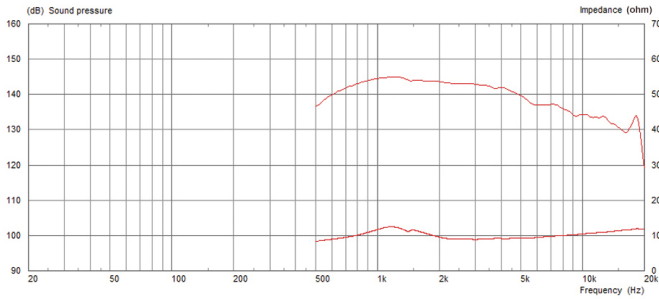
General Specifications

Power Rating	50W
Continuous power rating	100W
Rated impedance	8 Ω
Sensitivity	107dB
Frequency range	1200-20,000Hz
Recommended min. crossover	2000Hz
(12dB/oct)	
Magnet type	Ferrite
Voice coil diameter	44mm / 1.75in
Voice coil material	Edgewound copper clad aluminium
Diaphragm material	Polyimide
Surround material	Polyimide

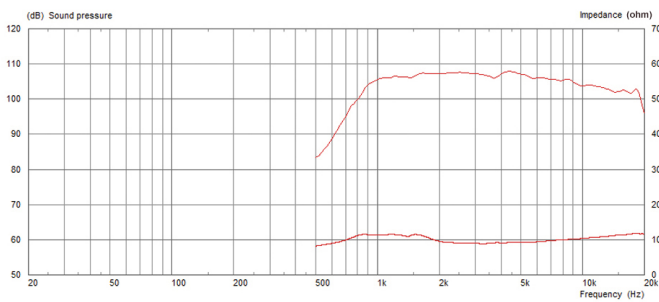
Mounting Information

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

Frequency and Response and Impedance Curves



Measured - Plane Wave Tube



Measured - Exponential Horn 90° x 40° radiation pattern

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 anechoic environment.

Packed Dimensions & Weight

Single pack size W x D x H	140mm x 170mm x 70mm / 5.5in x 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 / 19.5in x 19.5in x 3.5in
Multi pack weight	26kg / 57.2lb

Horns and repair kits

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