



## THE HIGH FREQUENCY DEVICES SERIES CD-150

### COMPRESSION DRIVER

**1" / 25.4 mm**  
SOUND CHANNEL / THROAT SIZE

**50 w (A.E.S.)**  
POWER HANDLING

**106 dB**  
SENSITIVITY (1w / 1m)

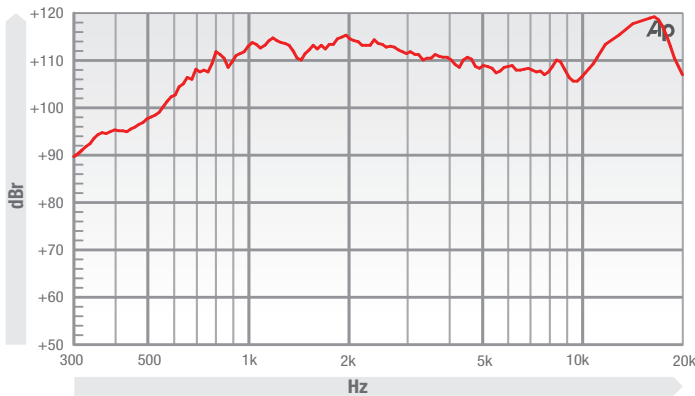
**2 kHz - 18 kHz**  
FREQUENCY RESPONSE

**1.75" / 44 mm**  
Aluminium Voice Coil

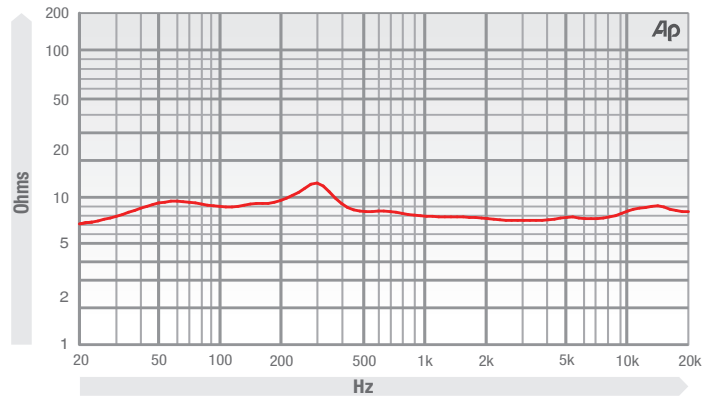
The CD150 is an excellent choice for professionals who are looking to achieve high sound pressure level performance and clarity of sound. The unit combines high BL and a lightweight diaphragm assembly to produce a very high output device that also features extended bandwidth and well defined frequency response. The CD150 is optimised for high performance multi-way system designs. The driver has a rated low frequency response limit of 2.2 kHz and features extended response to 20kHz. The ferrite based permanent magnetic system produces a very high efficiency to weight and size ratio. The compression driver exit diameter and fixings are an industry standard and will match to commercially available high frequency horns. This makes the CD150 ideal for high level professional touring applications as well as high level fixed installation.

- 1" exit ferrite magnet compression driver.
- 1.75" / 43mm copper clad aluminium voice coil.
- Titanium diaphragm with double sinusoidal roll surround (titanium).
- 50 Wrms (AES standard)
- Copper inductance ring for extended response.
- Ferrofluid cooled
- Also available for OEMs with an aluminium diaphragm option.

#### FREQUENCY RESPONSE DATA\*



#### IMPEDANCE



ELECTRO ACOUSTIC SPECIFICATIONS	
Sound Channel / Throat Size	1" / 25.4 mm
Nominal Impedance	8 / 16 Ω
Power Handling	50 w (A.E.S.)
Sensitivity (1 w - 1 m)	106 dB
Usable Frequency Range -6dB	2 kHz - 18 kHz
Recommended Crossover Frequency Filtered at 18dB / Octave	3.5 kHz
Effective Diaphragm Diameter	1.75" / 44 mm
Voice Coil Diameter	1.75" / 44 mm
Voice Coil DC Resistance	6.2 / 10.5 Ω
Max Diaphragm Displacement	0.016" / 0.4 mm
Flux Density	1.65 Tesla
Magnet Weight	39 oz

MOUNTING / SHIPPING INFORMATION	
Overall Diameter	5.27" / 133.85 mm
Depth	2.48" / 63 mm
Weight	6.5 lb / 2.97 kg
Shipping Weight	6.8 lb / 3.1 kg
Packing Carton Dimensions	150 x 160 x 180 mm
Bolt Fixing Hole Dimensions & Qty	2x M6 on 72.2 mm - 3" PCD

MATERIALS OF CONSTRUCTION	
Coil Former	Polyamide
Voice Coil Material	Aluminium
Diaphragm Material	Titanium
Surround / Edge Termination	Double Sinusoidal Roll Titanium
Magnet Material	Ferrite
Connectors	4.8 mm Spade
Polarity	Positive voltage at red/ positive terminal causes positive pressure at throat exit

\* Please enquire about alternative impedances.  
\* Frequency response measurement taken on axis with 1w signal at distance of 1m using custom horn with 90° x 40° coverage.