



CD-1544N-P

COMPRESSION DRIVER

1" / 25.4 mm CHASSIS DIAMETER	50 W (A.E.S.) AES POWER HANDLING	2 kHz - 18 kHz FREQUENCY RESPONSE	1.75" / 44 mm ALUMINIUM VOICE COIL	105 dB SENSITIVITY (1W/ 1m)
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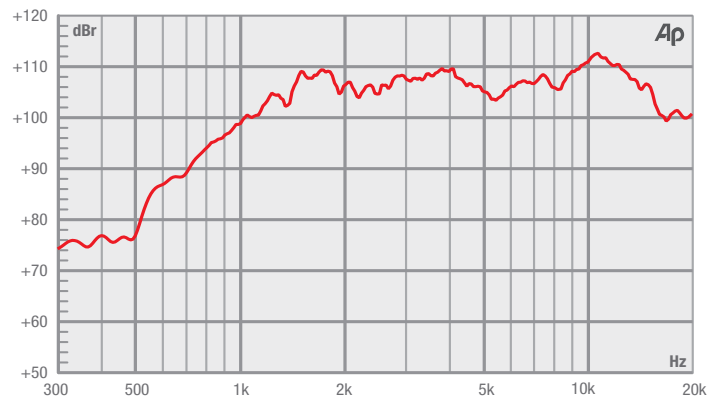
- 1" Exit neodymium magnet compression driver.
- 1.75" / 44 mm Copper clad aluminium voice coil.
- P.A.R diaphragm with flat surround (PAR).
- 50 Wrms (AES standard).
- Copper inductance ring for extended response.
- Ferrofluid cooled.

The CD-1544N-P is a compact unit suitable for professionals who are looking to achieve high sound pressure level performance and clarity of sound from compact dimensions. The compression driver uses an aluminum mounting plate to achieve the industry standard 1 inch (25.4 mm) exit, this can be removed however, should a custom horn configuration be required.

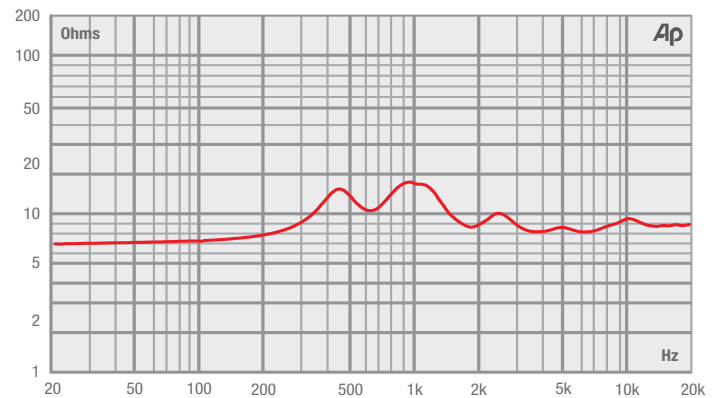
The CD-1544N-P combines high BL force factor and a lightweight Polyarylate diaphragm assembly to create a high output compression driver that possesses well defined frequency response along with extended bandwidth. The CD-1544N-P is optimised for high performance system designs and has a rated low frequency response limit of 1.5 kHz and features extended response to 18 kHz.

The throat diameter and fixings are industry standard size and will match to commercially available high frequency horns. The Neodymium based permanent magnetic system produces a very high efficiency to weight and size ratio. This makes the CD-1544N-P ideal for high level professional touring applications as well as high level fixed installation.

FREQUENCY RESPONSE DATA*



IMPEDANCE



ELECTRO ACOUSTIC SPECIFICATIONS

Sound Channel / Throat Size	1" / 25.4 mm
Impedance	8 Ω / 16 Ω
Power Handling	50 w (A.E.S.)
Sensitivity (1 w - 1 m)	105 dB
Usable Frequency Range -6dB	2 kHz - 18 kHz
Recommended X-over frequency filtered at 18dB/Octave	2.5 kHz
Effective Diaphragm Diameter	1.75" / 44 mm
Voice Coil Diameter	1.75" / 44 mm
Voice Coil DC Resistance	6.2 Ω
Max Diaphragm Displacement	0.016" / 0.4 mm
Flux Density	1.4 Tesla

MOUNTING / SHIPPING INFORMATION

Overall Diameter	4.17" / 106 mm
Depth	2.16" / 55 mm
Weight	3.52 lb / 1.6 kg
Shipping Weight	3.6 lb / 1.64 kg
Bolt Fixing Hole Dimensions and Quantity	2x M6 on 76.2 mm / 3" PCD
Packing Carton Dimensions	(W) 120 (D) 120 (H) 71 mm

MATERIALS OF CONSTRUCTION

Former Material	Polyamide
Voice Coil Material	Aluminium
Diaphragm Material	P.A.R
Surround / Edge Termination	Flat Membrane
Magnet Material	Neodymium
Connectors	6.3 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 80°x 60° coverage.