

# DE990TN 8 Ω

## SPECIFICATIONS

Driver mounted on B&C ME90 horn

|                                                                                                                                                                      |                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Throat Diameter                                                                                                                                                      | <b>36 mm (1.4 in)</b>   |
| Nominal Impedance                                                                                                                                                    | <b>8 Ω</b>              |
| Minimum Impedance                                                                                                                                                    | <b>7.6 Ω</b>            |
| Nominal Power Handling                                                                                                                                               | <b>100 W</b>            |
| 2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated minimum impedance. |                         |
| Continuous Power Handling                                                                                                                                            | <b>200 W</b>            |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating.                                                                                      |                         |
| Sensitivity                                                                                                                                                          | <b>107.5 dB</b>         |
| Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.                                                                                                   |                         |
| Frequency Range                                                                                                                                                      | <b>0.5 kHz - 18 kHz</b> |
| Recommended Crossover                                                                                                                                                | <b>1 kHz</b>            |
| 12 dB/oct. or higher slope high-pass filter.                                                                                                                         |                         |
| Voice Coil Diameter                                                                                                                                                  | <b>86 mm (3.4 in)</b>   |
| Winding Material                                                                                                                                                     | <b>Aluminium</b>        |
| Inductance                                                                                                                                                           | <b>0.1 mH</b>           |
| Flux Density                                                                                                                                                         | <b>1.9 T</b>            |
| Diaphragm Material                                                                                                                                                   | <b>Titanium</b>         |

## MOUNTING AND SHIPPING INFO

Four M6 holes 90° on 102 mm (4 in) diameter

|                  |                                              |
|------------------|----------------------------------------------|
| Overall Diameter | <b>118 mm (4.65 in)</b>                      |
| Depth            | <b>63 mm (2.48 in)</b>                       |
| Net Weight       | <b>2 kg (4.41 lb)</b>                        |
| Shipping Units   | <b>1 pcs</b>                                 |
| Shipping Weight  | <b>2.04 kg (4.5 lb)</b>                      |
| Shipping Box     | <b>120x120x65 mm<br/>(4.72x4.72x2.56 in)</b> |

## SERVICE KITS

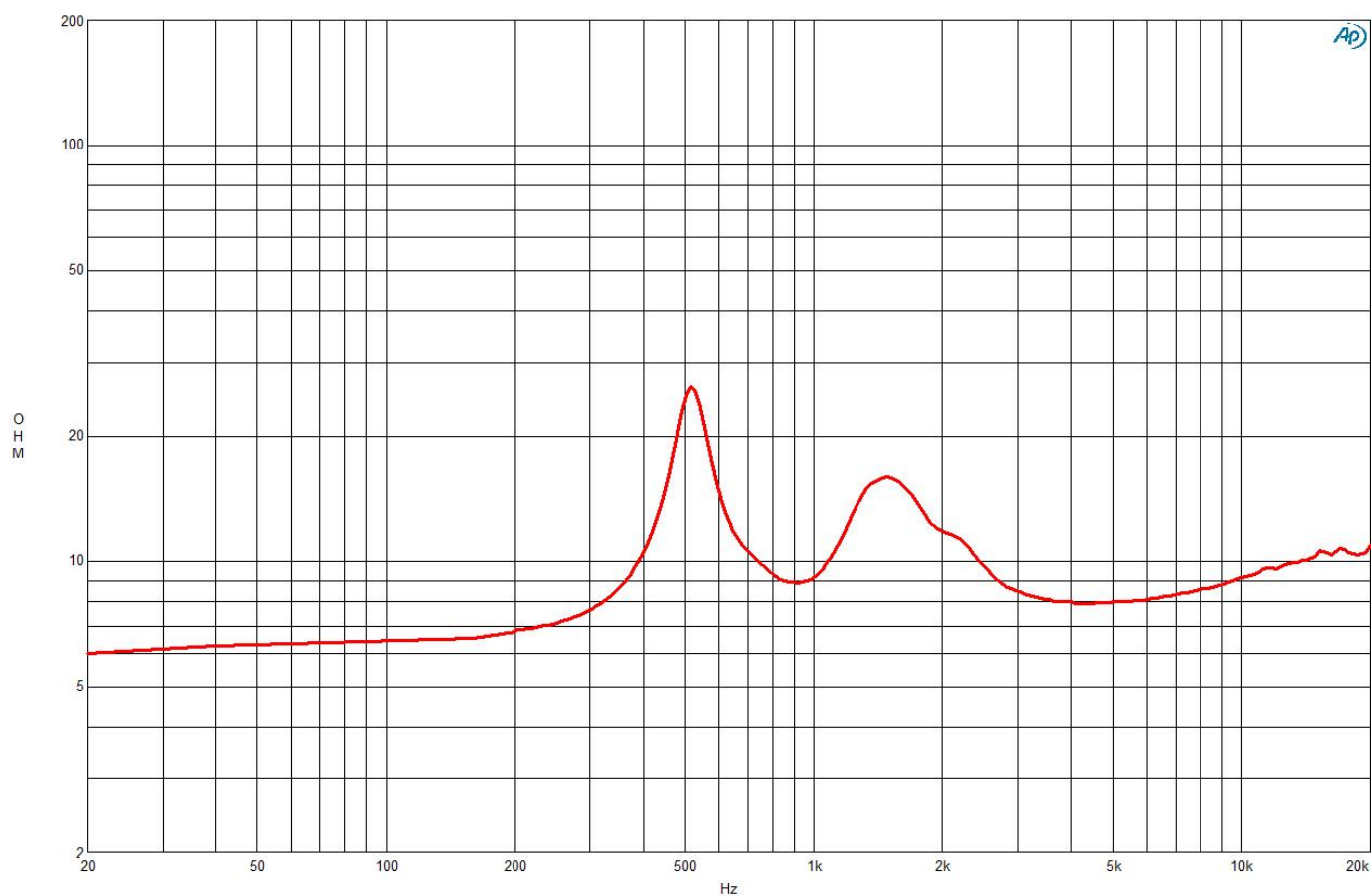
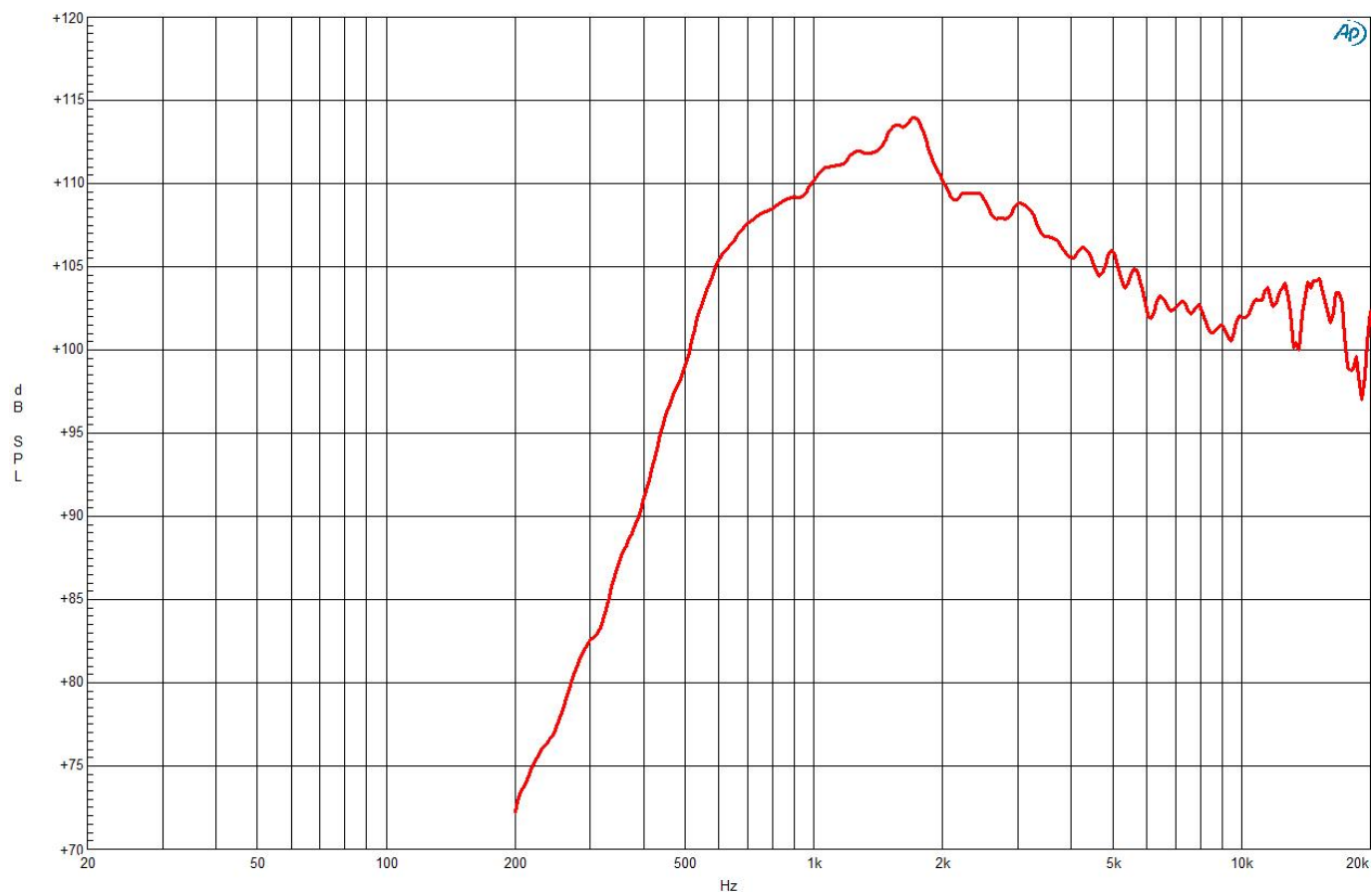
|                          |                   |
|--------------------------|-------------------|
| HF replacement-diaphragm | <b>MMD35ETN8M</b> |
|--------------------------|-------------------|

- 200 W continuous program power capacity
- 1.4" horn throat diameter
- 86 mm (3.4 in) aluminium voice coil
- Titanium diaphragm
- 500 - 18000 Hz response
- 107.5 dB sensitivity
- Neodymium magnet assembly with shorting copper cap

The DE990TN is a uniquely compact 86mm (3.4 in) voice coil, neodymium high frequency driver. The compact 118mm diameter was achieved using a specially milled inside ring neodymium magnet. The diaphragm used in the DE990TN has been completely redesigned to incorporate a bent edge voice coil former, new dome and surround geometry and an optimized phase plug. These modifications combine to better control diaphragm displacement and deformations, resulting in lower distortion and a smoother higher frequency response above 10kHz.



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