

NTR06-1705B

6.5-inch cast aluminium chassis, neodymium magnet midrange driver



- Copper sleeved pole to reduce distortion
- Vented magnet assembly for more efficient cooling

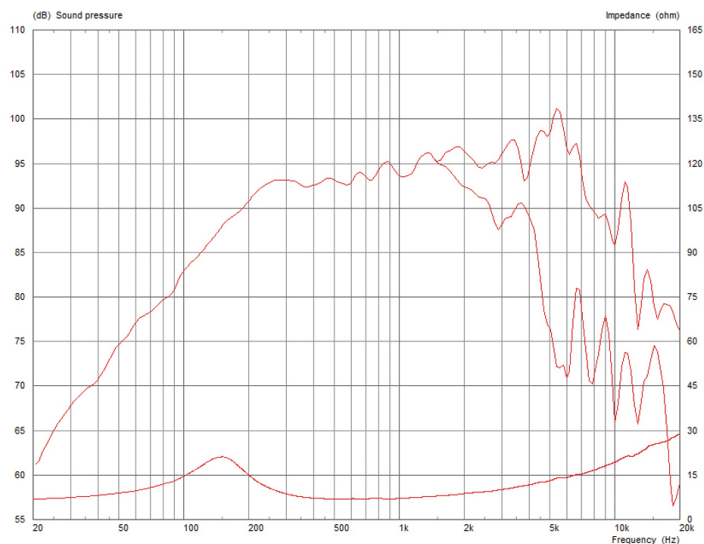
General Specifications

|                         |                       |
|-------------------------|-----------------------|
| Nominal Diameter        | 165mm / 6.5in         |
| Power Rating            | 150W                  |
| Continuous power rating | 300W                  |
| Rated impedance         | 8 Ω                   |
| Sensitivity             | 95dB                  |
| Frequency range         | 150-7000Hz            |
| Chassis type            | Cast aluminium        |
| Magnet type             | Neodymium             |
| Voice coil diameter     | 44mm / 1.75in         |
| Voice coil material     | Copper clad aluminium |
| Former material         | Polyimide             |
| Cone material           | Kevlar loaded paper   |
| Surround material       | Cloth-sealed          |
| Suspension              | Single                |
| Gap height (Hg)         | 6mm / 0.24in          |
| VC winding height (Hvc) | 11mm / 0.43in         |

Mounting Information

|                          |                         |
|--------------------------|-------------------------|
| Overall diameter         | 189mm / 7.44in (max)    |
| Overall depth            | 71mm / 2.8in            |
| Cut-out diameter         | 150mm / 5.9in           |
| Mounting hole dimensions | 6.5x5.5mm / 0.26x0.22in |
| Number of mounting holes | 4                       |
| Mounting hole PCD        | 173.5mm / 6.83in        |
| Unit weight              | 0.85kg / 1.9lb          |

Frequency Response and Impedance Curves



Topmost curve: Frequency response on axis |  
Secondary curve: Frequency response at 45° off axis

**Power rating:** Tested for two hours using a continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance. Loudspeaker tested in free air.

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

**Sensitivity:** Measured on axis at 1W, 1m in 2? anechoic environment.

**Parameters:** Measured after unit subjected to pre-conditioning signal.

**Xmax:**  $0.5 \cdot (H_{vc} - H_g) + 0.25 \cdot H_g$

Parameters

|              |                                              |
|--------------|----------------------------------------------|
| Sd           | 153.94cm <sup>2</sup> / 23.86in <sup>2</sup> |
| Fs           | 132.90Hz                                     |
| Mms          | 13.26g / 0.47oz                              |
| Qms          | 1.912                                        |
| Qes          | 0.576                                        |
| Qts          | 0.442                                        |
| Re           | 5.94 Ω                                       |
| Vas          | 3.63l / 0.13ft <sup>3</sup>                  |
| Bi           | 10.69Tm                                      |
| Cms          | 0.11mm/N                                     |
| Rms          | 5.79kg/s                                     |
| Le (at 1kHz) | 0.21mH                                       |
| Xmax         | 4mm / 0.16in                                 |

Packed Dimensions & Weight

|                            |                                                  |
|----------------------------|--------------------------------------------------|
| Single pack size W x D x H | 190mm x 190mm x 110mm / 7.5in x 7.5in x 4.3in    |
| Single pack weight         | 1.0kg / 2.2lb                                    |
| Multi pack qty             | 140                                              |
| Multi pack size W x D x H  | 800mm x 840mm x 740mm / 31.4in x 33.0in x 29.1in |
| Multi pack weight          | 17kg / 37.4lb                                    |

