

NTR06-1705D

6.5-inch cast aluminium chassis, neodymium magnet mid/bass driver



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

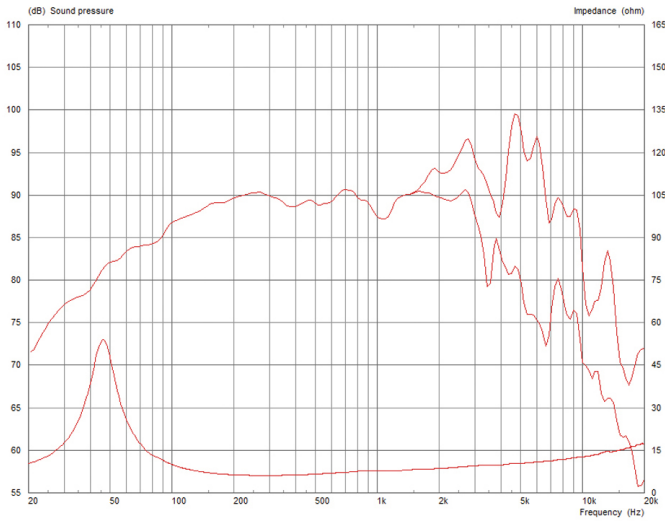
General Specifications

Nominal Diameter	165mm / 6.5in
Power Rating	150W
Continuous power rating	300W
Rated impedance	8 Ω
Sensitivity	90dB
Frequency range	70-7000Hz
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	Elastomer
Suspension	Single
Gap height (Hg)	6mm / 0.24in
VC winding height (Hvc)	15mm / 0.63in
Additional impedances	16

Mounting Information

Overall diameter	189mm / 7.44in (max)
Overall depth	87mm / 3.4in
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	0.95kg / 2.1lb

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.

$X_{max} = 0.5 \cdot (H_{vc} - H_g) + 0.25 \cdot H_g$

Parameters

Sd	153.94cm ² / 23.86in ²
Fs	49.00Hz
Mms	16.58g / 0.58oz
Qms	6.123
Qes	0.403
Qts	0.378
Re	527 Ω
Vas	21.42l / 0.76ft ³
Bi	8.17Tm
Cms	0.64mm/N
Rms	0.83kg/s
Le (at 1kHz)	0.23mH
Xmax	6mm / 0.26in

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	1.1kg / 2.4lb
Multi pack qty	120
Multi pack size W x D x H	1070mm x 850mm x 860mm / 42.1in x 33.5in x 33.9in
Multi pack weight	140kg / 308lb

CELESTION