



NTR08-2011D

Neodymium magnet cast aluminium chassis driver

General Specifications

Nominal diameter	203mm/8in
Power rating ¹	200Wrms
Nominal impedance	8Ω
Sensitivity ²	92dB
Frequency range	70-6000Hz
Voice coil diameter	50mm/2in
Chassis type	Cast aluminium
Magnet type	Neodymium
Coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
	with weather-resistant coating
Surround material	Cloth-sealed
Suspension	Single
Xmax ³	4mm/0.16in
Gap depth	8mm/0.32in
Voice coil winding width	16mm/0.63in

Small Signal Parameters⁴

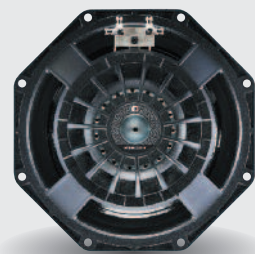
D	0.17m/6.69in
Fs	80.3Hz
Mms	25.33g/0.89oz
Mmd	23.39g/0.826oz
Qms	1.33
Qes	0.59
Qts	0.41
Re	5.85Ω
Vas	11.3lt/0.399ft ³
Bl	11.22Tm
Cms	0.16mm/N
Rms	9.6kg/s
Le (at 1kHz)	0.59mH

Mounting Information

Overall diameter	225mm/8.8in
Overall depth	100mm/4.16in
Cut-out diameter	187mm/7.4in
Mounting slot dimensions	ø6.5mm/0.26in
Number of mounting slots	8
Mounting slot PCD/width across flats	210/8.3
Unit weight	1.52kg/3.34lb

Packed Dimensions & Weight

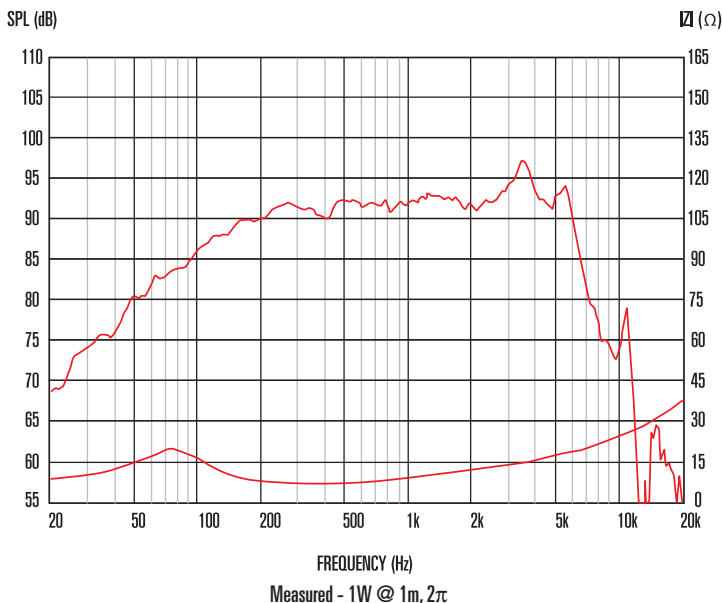
Single pack size W x D x H	235mm x 235mm x 140mm
	/9.2in x 9.2in x 5.5in
Single pack weight	1.75kg/3.85lb
Multipack (8) size W x D x H	450mm x 380mm x 260mm
	/17.7in x 15.0in x 10.2in
Multipack (8) weight	16kg/35.2lb



Features

- 8" neodymium magnet driver providing 200Wrms (AES standard) power handling and 92dB sensitivity
- 2" high temperature copper voice coil
- Suitable for line array applications, utilizing a space-efficient octagonal chassis profile
- Optimized flux distribution in magnet assembly provides low harmonic distortion
- "M-Roll" surround provides progressive excursion control, generating a smooth frequency response
- Intelligent heat management in both chassis and magnet assembly design offers reduced thermal compression

Frequency Response and Impedance Curves



1. 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.
 2. Measured on axis at 1W, 1m in 2π anechoic environment.
 3. Xmax derived from: (voice coil winding width-gap depth)/2.
 4. Small signal parameters measured after unit subjected to pre-conditioning signal.