

NTR08-2009D

Neodymium magnet cast aluminium chassis driver

General Specifications

Nominal diameter	203mm/8in
Power rating ¹	200Wrms
Nominal impedance	8Ω
Sensitivity ²	94.5dB
Frequency range	70-5000Hz
Voice coil diameter	50mm/2in
Chassis type	Cast aluminium
Magnet type	Neodymium
Coil material	Flat copper
Former material	Glass fibre
Cone material	Kevlar loaded paper
	with weather-resistant coating
Surround material	Cloth-sealed
Suspension	Single
Xmax ³	4mm/0.16in
Gap depth	10mm/0.39in
Voice coil winding width	18mm/0.67in

Small Signal Parameters⁴

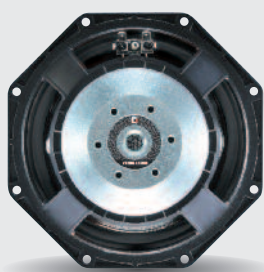
D	0.17m/6.69in
Fs	64.3Hz
Mms	32.21g/1.14oz
Mmd	30.27g/1.07oz
Qms	2.063
Qes	0.219
Qts	0.198
Re	5.83Ω
Vas	13.87lt/0.49ft ³
Bl	18.56Tm
Cms	0.19mm/N
Rms	6.3kg/s
Le (at 1kHz)	0.51mH

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	2.8kg/6.16lb

Packed Dimensions & Weight

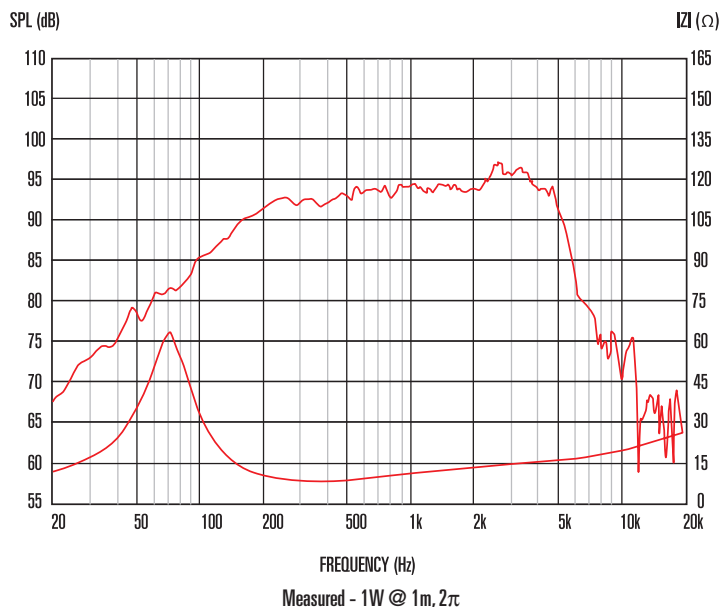
Multipack (8) size W x D x H	450mm x 380mm x 260mm
	17.7in x 15.0in x 10.2in
Multipack (8) weight	24kg/52.8lb



Features

- 8" neodymium magnet driver providing 200Wrms (AES standard) power handling and 94.5dB sensitivity
- 2" edgewound copper voice coil
- Suitable for line array applications, utilizing a space-efficient octagonal chassis profile
- Copper sleeved pole reduces inductive rise for improved HF performance
- "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.