

NTR12-3018D

Neodymium magnet cast aluminium chassis driver

General Specifications

Nominal diameter	305mm/12in
Power rating ¹	350Wrms
Nominal impedance	8Ω
Sensitivity ²	98dB
Frequency range	50-4000Hz
Voice coil diameter	75mm/3in
Chassis type	Cast aluminium
Magnet type	Neodymium
Coil material	Round copper
Former material	Glass fibre
Cone material	Kevlar loaded paper
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	0.26m/10.24in
Fs	58.7Hz
Mms	57.21g/2.02oz
Mmd	50.28g/1.78oz
Qms	2.514
Qes	0.326
Qts	0.288
Re	5.69Ω
Vas	51.21lt/1.808ft ³
Bl	19.54Tm
Cms	0.128mm/N
Rms	8.397kg/s
Le (at 1kHz)	0.78mH

Mounting Information

Overall diameter	318mm/12.5in
Overall depth	137mm/5.39in
Cut-out diameter	286mm/11.26in
Mounting slot dimensions	9.5mm x 6.5mm/0.37in x 0.26in
Number of mounting slots	8
Mounting PCD range	298-304mm/11.7-12.0in
Unit weight	2.6kg/5.7lb

Packed Dimensions & Weight

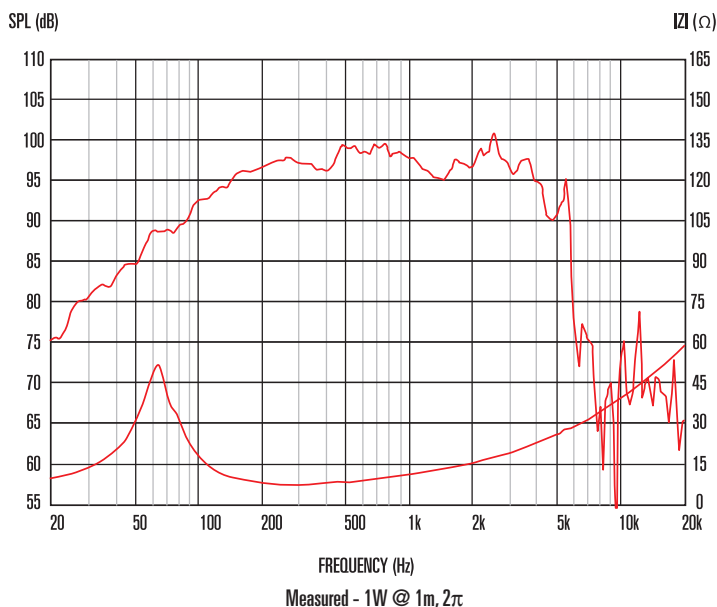
Single pack size W x D x H	350mm x 350mm x 185mm
	/13.8in x 13.8in x 7.3in
Single pack weight	3kg/6.6lb
Multi pack (60) size	1080mm x 980mm x 880mm
	/42.5in x 38.6in x 34.6in
Multi pack (60) weight	178kg/392lb



Features

- **12" neodymium woofer offers 350Wrms (AES standard) power handling and 98dB sensitivity**
- **3" high temperature Inside/Outside voice coil efficiently dissipates heat, preventing sensitivity loss through thermal compression**
- **"M-roll" surround provides progressive excursion control, yielding a smooth response even at extremes of frequency range**
- **Extremely lightweight design combined with a highly efficient magnet assembly results in exceptional power-to-weight ratio**
- **Intelligent heat management in both chassis and magnet assembly design further minimises distortion**

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.