CELESTION

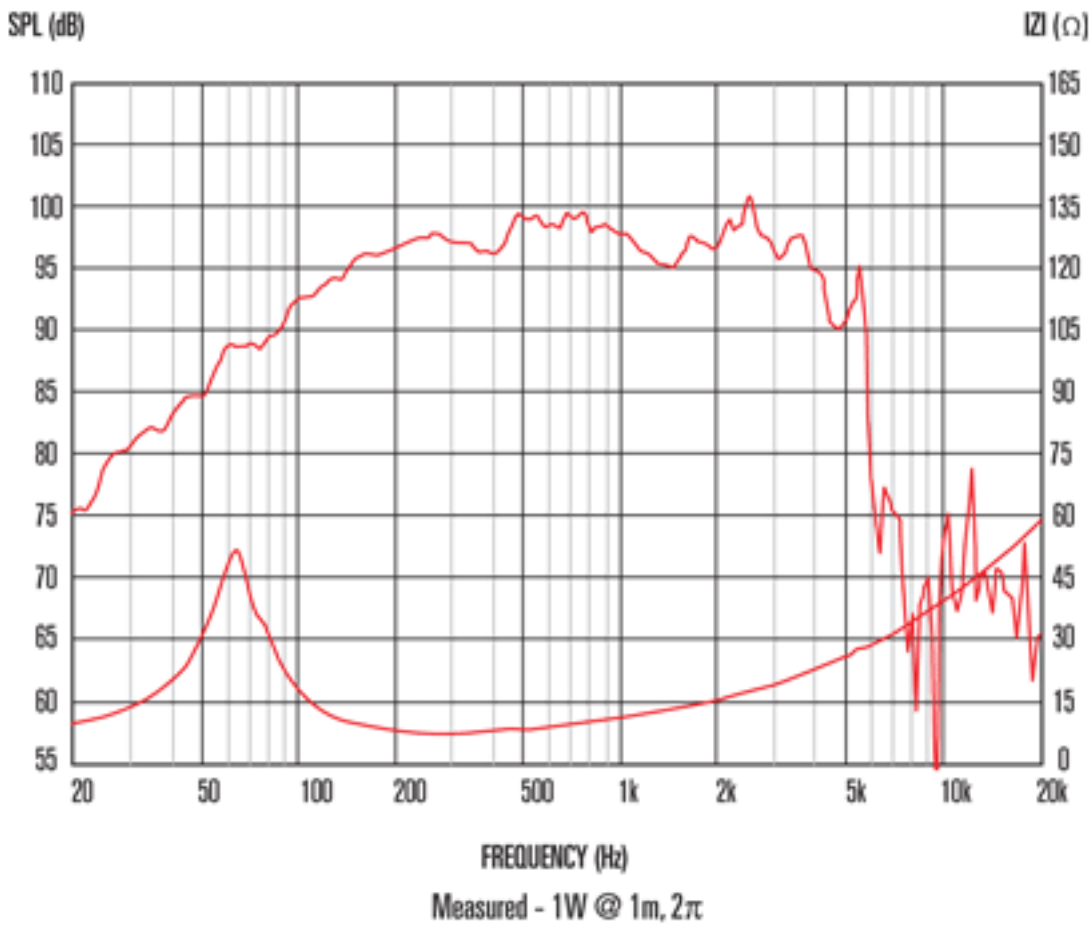
LF Cast Chassis / Neo

NTR12-3018D

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

8 Ω Frequency Response



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 2 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.

General Specifications

Nominal diameter	305mm/12in
Power rating [1]	350Wrms
Nominal impedance	8 Ω
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 Parameters [4]

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	5.69 Ω
Vas	51.21lt/1.808ft3
Bl	19.54Tm
Cms	0.128mm/N
Rms	8.397kg/s
Le (at 1kHz)	0.78mH

Mounting Information

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 slot PCD	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
Multipack (60) size W x D x H	1080mm x 980mm x 880mm /42.5in x 38.6in x 34.6in
Multipack (60) weight	146kg/321lb

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