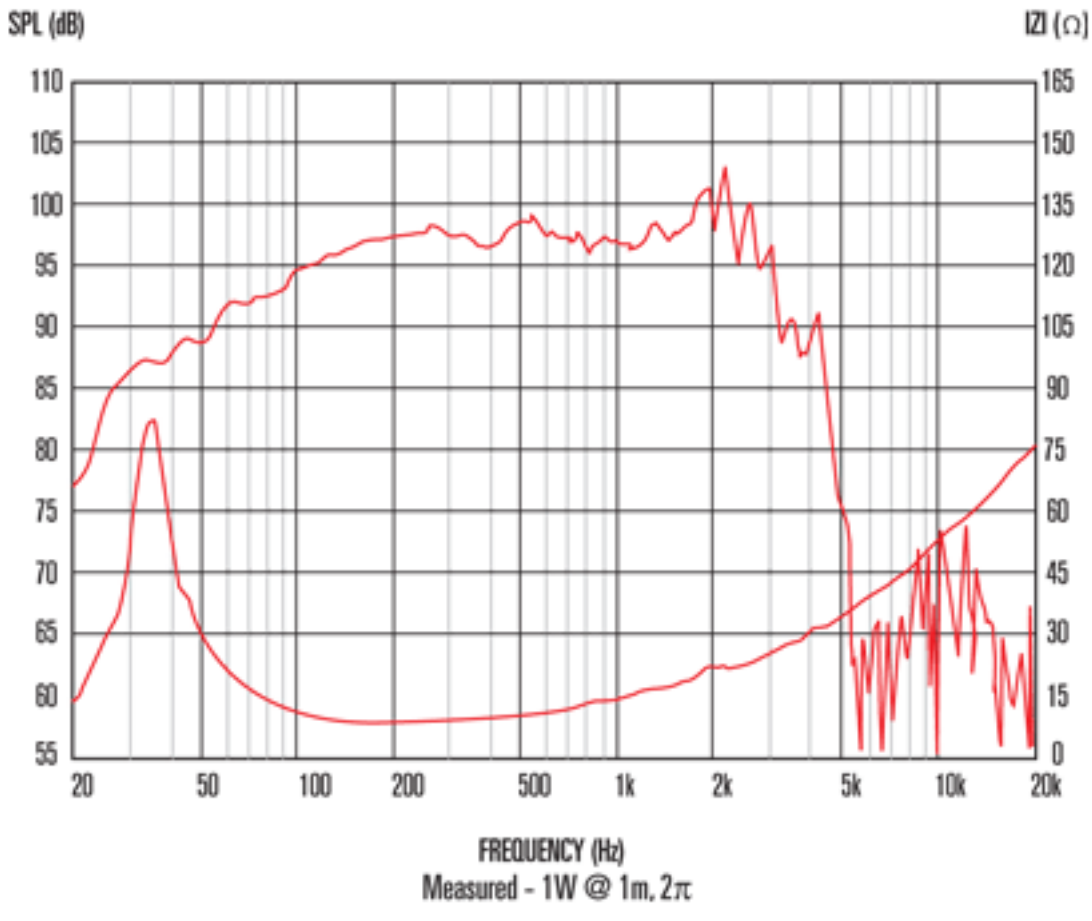
LF Cast Chassis / Neo

NTR15-3018E

Features

- 15" neodymium woofer offers 450Wrms (AES standard) power handling and 98dB sensitivity
- 3" edgewound voice coil for higher efficiency and excellent distortion control
- "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 minimizes 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	381mm/15in
Power rating [1]	450Wrms
Nominal impedance	8 Ω
Sensitivity [2]	98dB
Frequency range	30-3000Hz
Voice coil diameter	75mm/3in
Chassis type	Cast aluminium
Magnet type	Neodymium
Coil material	Flat copper
Former material	Glass fibre
Cone material	Glass loaded paper with weather-resistant coating
Surround material	Cloth-sealed
Suspension	Single
Xmax [3]	5mm/0.20in
Gap depth	10mm/0.39in
Voice coil winding width	20mm/0.79in

Small Signal Parameters

D	0.33m/12.9in
Fs	34.6Hz
Mms	97.24g/3.43oz
Mmd	83.09g/2.93oz
Qms	3.856
Qes	0.262
Qts	0.246
Re	5.58 Ω
Vas	225.71lt/7.97ft3
Bl	21.2Tm
Cms	0.218mm/N
Rms	5.477Kg/s
Le (at 1kHz)	1.18mH

Mounting Information

Diameter	386mm/15.2in
Overall depth	162mm/6.38in
Cut-out diameter	351mm/13.8in
Mounting slot dimensions	10mm x 7mm/0.4in x 0.27in
Number of mounting slots	8
Mounting PCD range	367-373mm/14.4-14.7in
Unit weight	4.0kg/8.8lb

Packed Dimensions & Weight

Single pack size W x D x H	435mm x 435mm x 200mm /17.1in x 17.1in x 7.9in
Single pack weight	5.0kg/11lb
Multipack (36) size W x D x H	1200mm x 1000mm x 980mm /47.2in x 39.4in x 38.6in
Multipack (36) weight	5.2kg/11.4lb

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