

Inception Series N4 15 / 2-inch Trapezoidal Loudspeaker Enclosure

Features:

- 1420 Watt 15 / 2-inch Cabinet Configuration
- 60 Degree Trapezoidal Enclosure
- Passive/Active Switch for Single Amp Channel or True Bi-amped Cabinet Operation
- 5/8-inch (15mm) 11-ply Russian Birch Plywood Cabinet Construction
- 20 Integrated Flypoints
- Innovative Installation Hardware Available for Single Cabinet or Cluster Hangs
- All-metal Speaker Stand Adaptor
- Heavy Gauge Perforated All-Metal Grille
- Integrated Handles
- Rugged Nylon Glides

Description:

The VTC Inception Series N4 15 / 2-inch loudspeaker enclosure delivers 1420 watts (continuous power) in an extremely versatile trapezoidal cabinet design. Built for front-of-house, installation or sidefill applications, the Inception Series N4 is the ideal point source full range cabinet.

An Active / Passive Bypass Switch on the input panel allows the VTC N4 to operate as a full range cabinet with its internal passive crossover network, making it ideal for repeater and side fill applications where quick plug and play connection to a single amp channel is required. In Active mode, the internal crossover is bypassed allowing efficient bi-amp operation of the N4 for critical monitoring and sound reinforcement applications.

The horn structure is made from high-pressure die-cast polyurethane foam which reduces resonances and vibrations and assures maximum strength. The 60 by 50 degree elliptical shaped horn provides low distortion and a spherical wave-front, avoiding reflections and other disadvantages usually associated with diffraction horns.

An integrated 1 3/8-inch (3.5cm) pole mount adaptor allows the N4 to be used on standard heavy-duty speaker stands for side and center-fill applications where maximum SPL and coverage is required from a compact cabinet source.

Built for touring applications, the 80lb (36.4kg) VTC N4 uses a solid 5/8-inch (15mm) 11-ply Russian Birch plywood cabinet construction; integrated handles and a heavy-gauge perforated all metal grille to protect the speaker components.



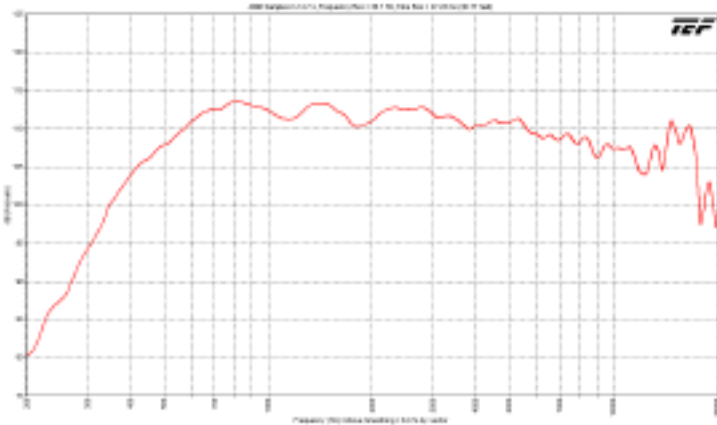
Specifications:

Driver Components:	(HF) 8 Ohm driver w/ 3-inch voice coil - Titanium Diaphragm w/ 1.4-inch exit - Neodymium magnet assembly (LF) 4 Ohm 15-inch woofer w/ 4-inch voice coil - Neodymium magnet assembly
Power	HF: 110 watts nominal / 220 watts continuous LF: 600 watts nominal / 1200 watts continuous
Nominal Impedance	HF: 8 ohms LF: 4 ohms
Frequency Response	50Hz - 20 KHz (with recommended processing)
Sensitivity (measured 1W1M)	HF: 110dB LF: 97dB
Calculated Max Output (average)	HF=133dB LF=128dB
Nominal Coverage	Horizontal=60 Degrees Vertical=50 Degrees
Weight (lbs / kg)	80 / 36.4

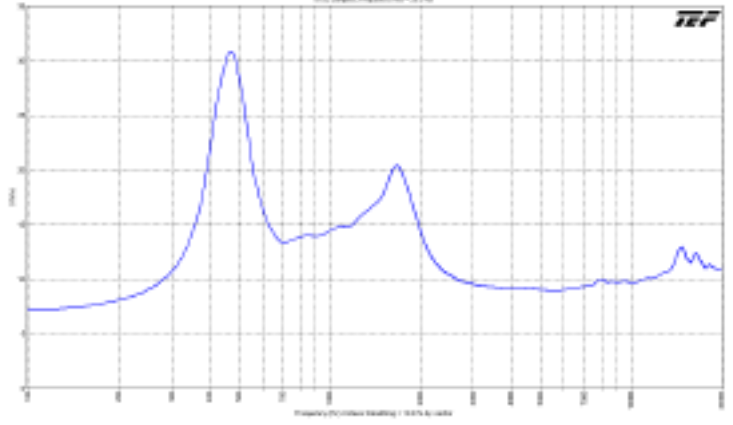
Specifications subject to change without notice.



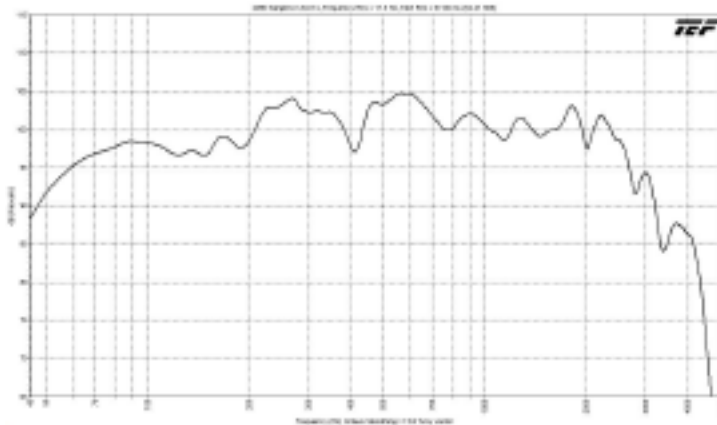
H.F Response Unprocessed
1w (2.8V) 1m Free Space



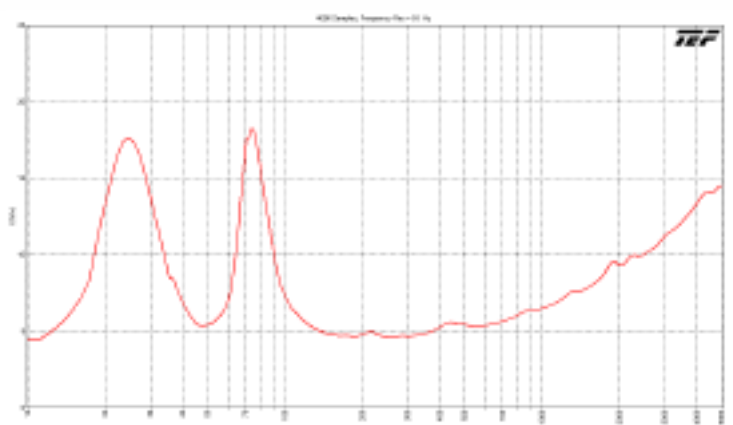
H.F Impedance Magnitude



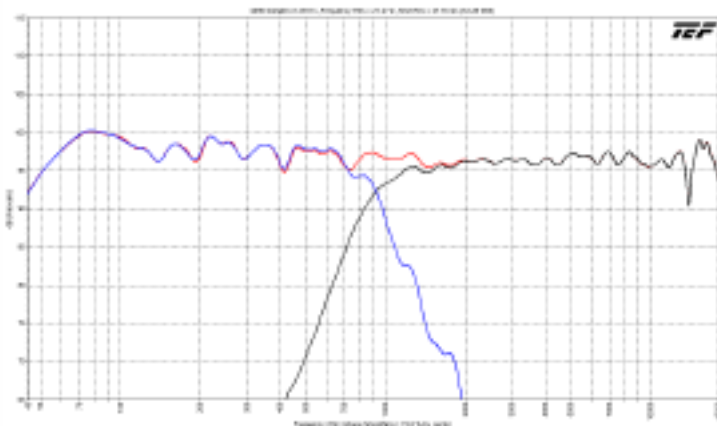
L.F Response Unprocessed
1w (2V) 1m Free Space



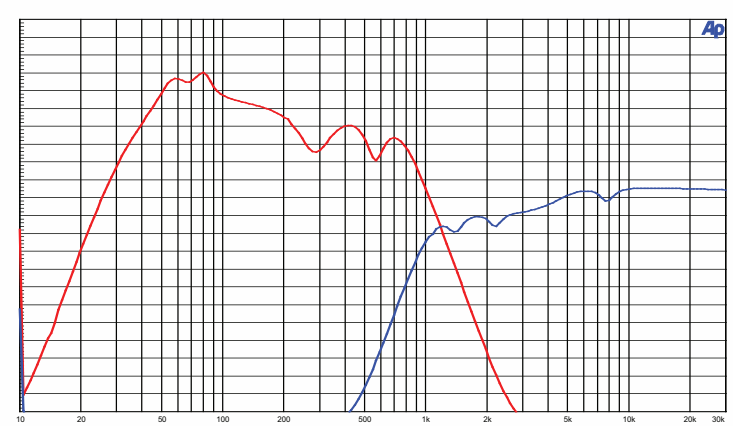
L.F Impedance Magnitude



Free Space Frequency Response
with DLMS4080 Processor

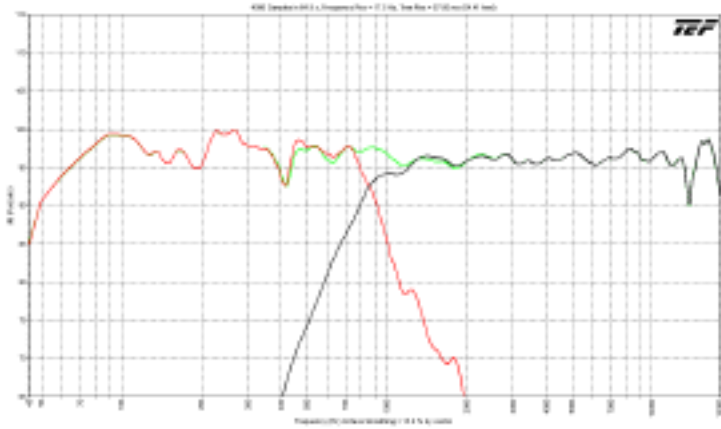


DLMS4080 Response
Red Curve "Low" | Blue Curve "High"

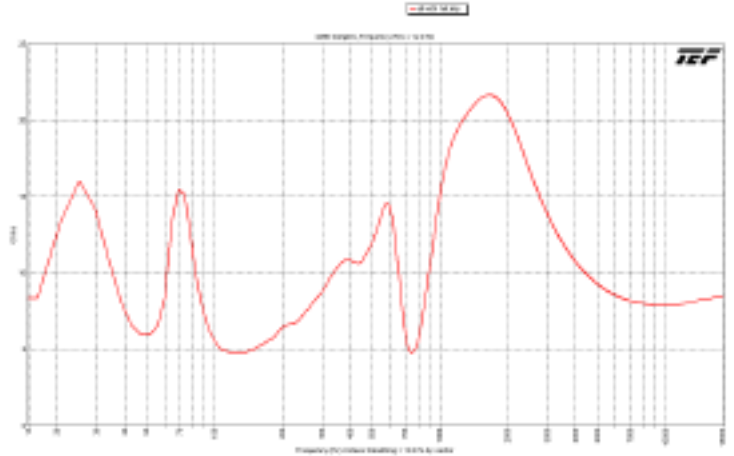




Free Space Frequency Response
In Passive Mode 1w (2V) 1m



IMP Response
In Passive Mode



Free Space Frequency Response Of Passive (Red)
and Bi-amp Mode (Black)

