

# DENON

**PROFESSIONAL**



# DN-108LF

## CEILING MOUNT PORTED SUBWOOFER

The Denon Professional DN-108LF ceiling subwoofer is designed to deliver exceptionally accurate, articulate low frequency reinforcement while easily meeting commercial requirements for fire-resistance and suitability for multiple unit installation. To achieve this it employs a single 8.25" long-excursion, low frequency driver in a ported enclosure.

The DN-108LF features a metal can rear enclosure, which provides a fire barrier behind the speaker to meet local commercial fire codes. It also serves as the woofer's enclosure to optimize bass tuning and low-frequency response. Mounting is accomplished via the familiar "dog leg" bracket design. The speaker has 70/100-volt transformers to facilitate multiple unit installations without the impedance and level-matching concerns of paralleled transformerless speakers. Low impedance use is also accommodated via the 8-ohm transformer bypass. The DN-108LF utilizes a 4-pin Euroblock for easy connection to subsequent speakers.

A built-in crossover network enables the DN-108LF to be connected directly to a full-range audio source or paralleled from existing full-range speakers for operation. This high-quality speaker in a tuned reflex enclosure is perfect for music applications, public address demands and business/ educational presentations, while meeting safety and fire codes as required by commercial venues.

### FEATURES

- 8-inch Ceiling subwoofer
- 80W Power handling (160W peak)
- Designed for 70V/100V/8Ω installations
- Built-in crossover network, no external processing necessary
- 4-pin Euroblock connection
- Mounting hardware included
- EN 54-24 compliant

## SPECIFICATIONS

### SYSTEM PERFORMANCE

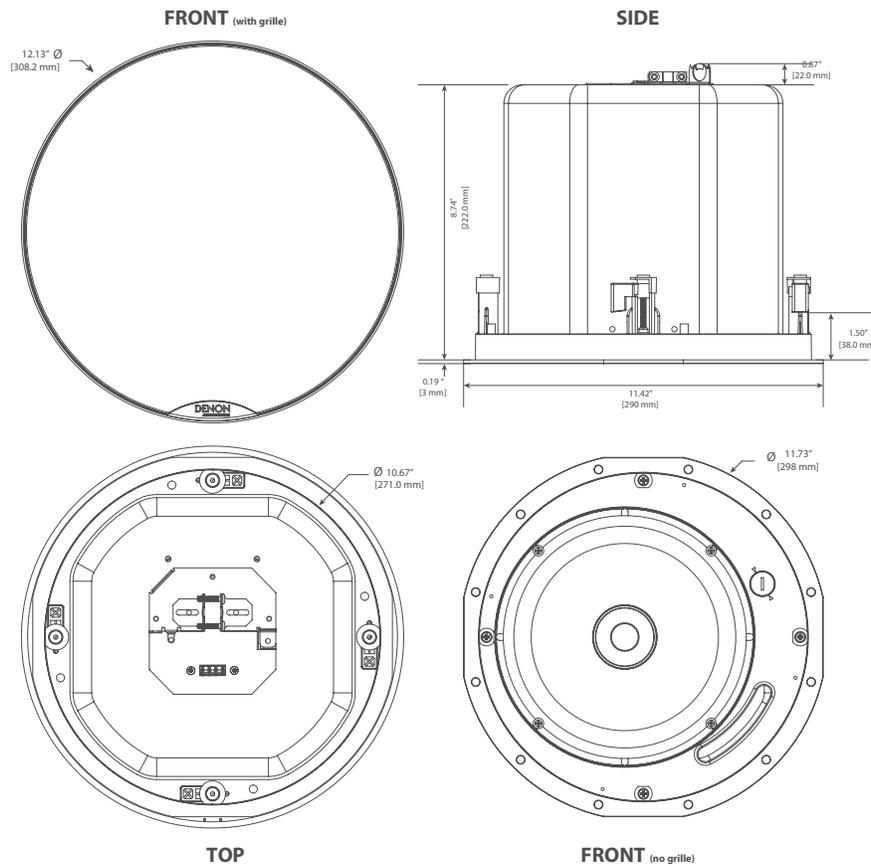
Frequency Range (-10dB):	50 Hz—300 Hz
Power Capacity:	100 W Peak
Nominal Sensitivity:	89dB SPL, 1W @ 1m (3.3 ft)
Nominal Dispersion:	165° Conical coverage pattern
Directivity Factor (Q):	2.4 Averaged from 100 Hz to 4 kHz
Directivity Index (DI):	3.2 Averaged from 100 Hz to 4 kHz
Rated Maximum SPL:	110dB
Nominal Impedance:	8 Ω
Transformer Taps:	Direct: 8 Ω 70V: 50W, 25W, 12.5W, 6.25W 100V: 50W, 25W, 12.5W

### TRANSDUCERS

Low Frequency:	8" Poly Propelene-coated, 1" Aluminum VC Driver
High Frequency:	NA

### PHYSICAL

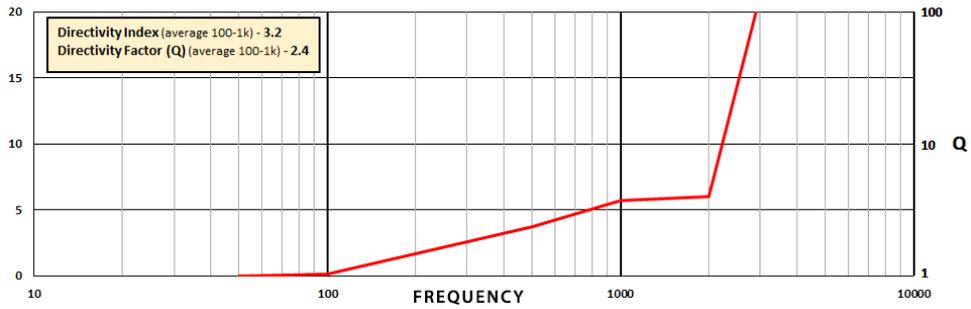
Enclosure:	Metal Enclosure with ABS baffle and magnetic grille
Termination:	4 position Euro Style Connector with 5mm spacing
Safety Agency Ratings:	EN54-24, UL 2043 pending
Outside Dimensions:	12.15" (308.2mm) diam x 9.6" (244 mm) H
Cutout Size:	10.75" (273mm) diam
Net Weight:	13.9 lbs (6.3 kg)
Shipping Weight:	19 lbs (8.6 kg)
Included Accessories:	Euro Style Mating connector, Magnetic Grille, Ceiling Tile Brackets and Bracket Screws



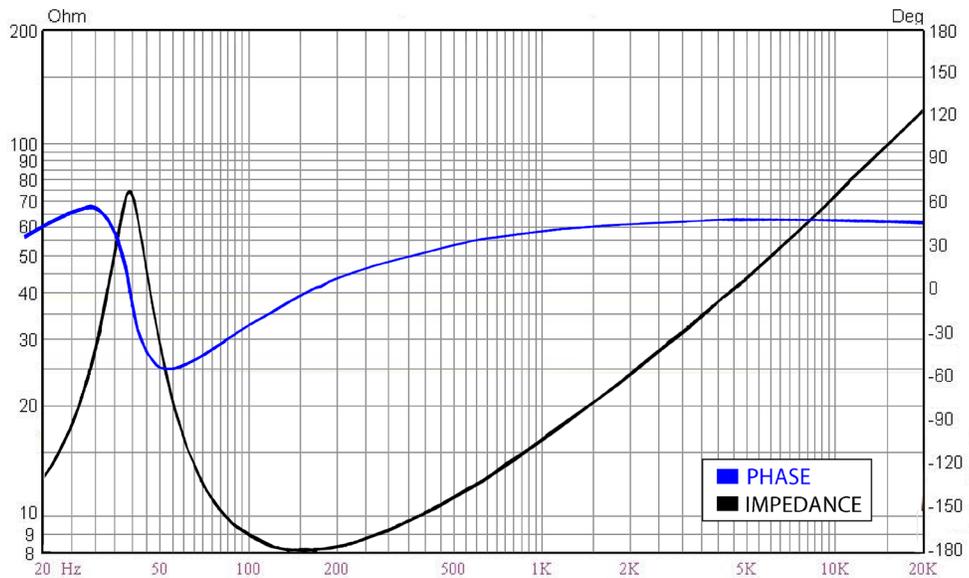
## ON-AXIS FREQUENCY RESPONSE



## DIRECTIVITY



## IMPEDANCE AND PHASE



## POLAR PLOTS

