

DENON

PROFESSIONAL



DN-106S

6½-INCH COMMERCIAL-GRADE CEILING LOUDSPEAKER

Denon Professional's range of ceiling loudspeakers is designed to deliver exceptionally accurate, articulate sound while easily meeting commercial requirements for fire-resistance (EN 54-24) and suitability for multiple unit installation.

All three models feature a metal "can" rear enclosure, which provides a fire barrier behind the speaker to meet commercial fire codes. It also serves as the woofer's enclosure to optimize its bass tuning and low frequency response. The speakers have 70/100-volt transformers to facilitate multiple unit installations without the impedance and level-matching concerns of paralleled transformerless speakers.

There are three different size models with 4-inch, 6 ½-inch and 8-inch woofers. All three utilize high quality drive units in tuned reflex enclosures and precision electronic crossovers to deliver clean, detailed sound, perfect for music, public address applications and business/educational presentations, while meeting all safety and fire codes as required by commercial venues.

FEATURES

- 6 ½-inch long-excursion woofers
- 20mm wide dispersion dome tweeter
- Driver Power: 60 W (RMS) 120 W (Peak)
- 70/100V transformers for multi-unit installations
- Metal rear enclosures meet commercial fire codes
- Frequency response: 57-20kHz
- Mounting Bracket Included
- EN 54-24 Compliant

SPECIFICATIONS

SYSTEM PERFORMANCE

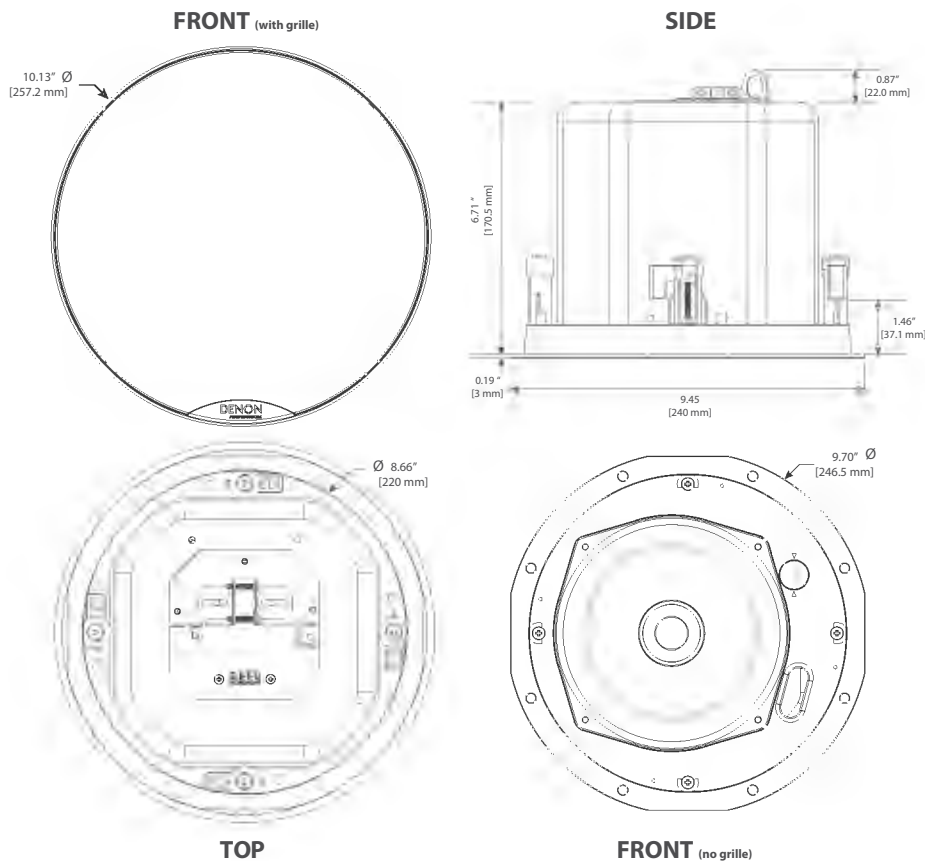
Frequency Range (-10dB):	75 Hz—20 kHz
Power Capacity:	120 W Peak
Nominal Sensitivity:	90dB SPL, 1W @ 1m (3.3 ft)
Nominal Dispersion:	110° Conical coverage pattern
Directivity Factor (Q):	4.8 Averaged from 100 Hz to 4 kHz
Directivity Index (DI):	5.8 Averaged from 100 Hz to 4 kHz
Rated Maximum SPL:	110dB
Nominal Impedance:	16 Ω
Transformer Taps:	Direct: 16 Ω 70V: 60W, 30W, 15W, 7.5W 100V: 60W, 30W, 15W

TRANSDUCERS

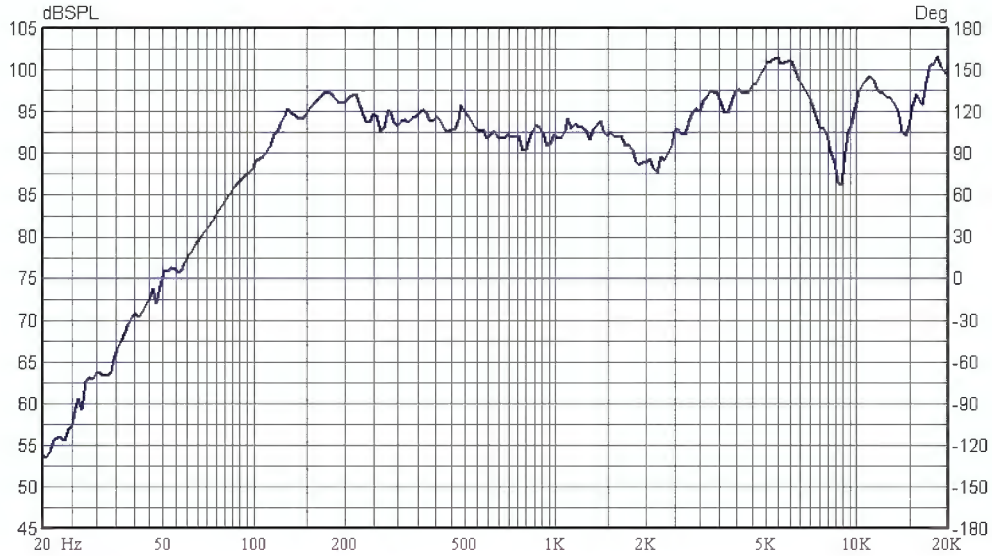
Low Frequency:	6.5" Poly Propylene-coated, 1" Aluminum VC Driver
High Frequency:	20mm (¾") PEI Dome Tweeter

PHYSICAL

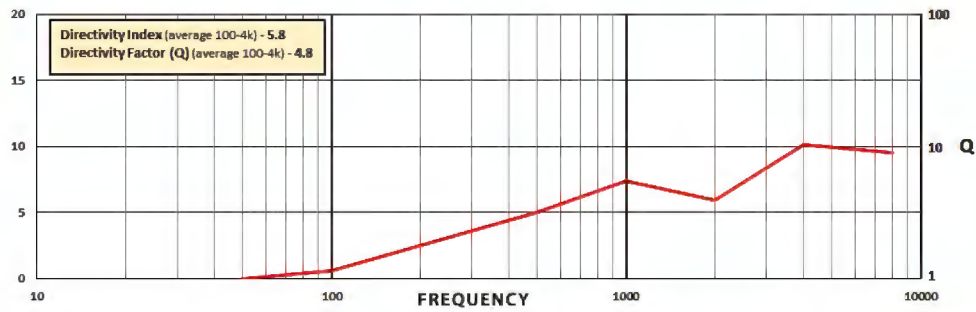
Enclosure:	Metal Enclosure with ABS baffle and magnetic grille
Termination:	4 position Euro Style Connector with 5mm spacing
Safety Agency Ratings:	EN54-24, UL 2043 pending
Outside Dimensions:	10.13" (257.2mm) diam x 7.58" (192.5 mm) H
Cutout Size:	8.7" (221mm) diam
Net Weight:	8.2 lbs (3.7 kg)
Shipping Weight:	10.75 lbs (4.87 kg)
Included Accessories:	Euro Style Mating connector, Magnetic Grille, Ceiling Tile Brackets and Bracket Screws



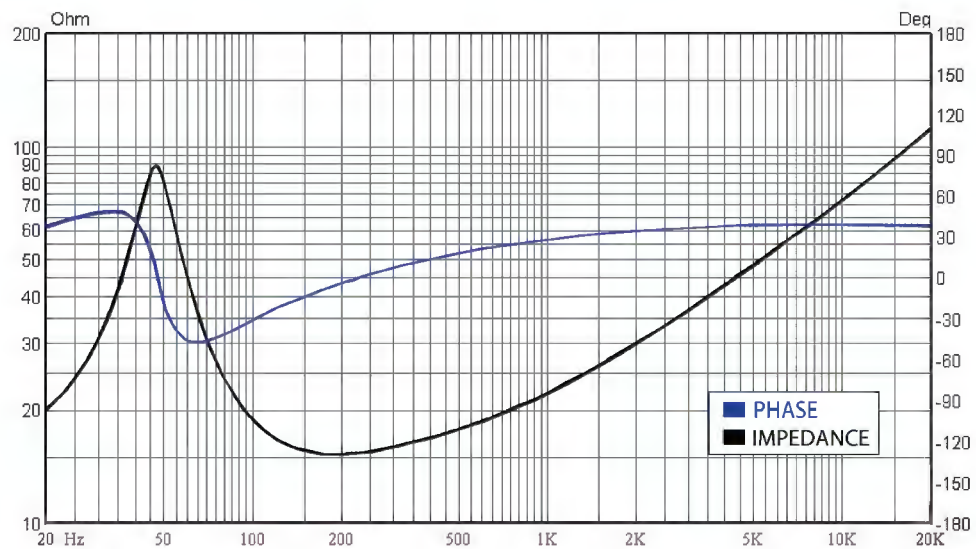
ON-AXIS FREQUENCY RESPONSE



DIRECTIVITY



IMPEDANCE AND PHASE



POLAR PLOTS

