





# DN-1065 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 1/2-inch long-excursion woofers
- 20mm wide dispersion dome tweeter
- Driver Power: 60 W (RMS) 120 W (Peak)

DENON

- 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):
Power Capacity:
Nominal Sensitivity:
Nominal Dispersion:
Directivity Factor (Q):
Directivity Index (DI):
Rated Maximum SPL:
Nominal Impedance:
Transformer Taps:

75 Hz—20 kHz 120 W Peak 90dB SPL, 1W @ 1m (3.3 ft) 110° Conical coverage pattern 4.8 Averaged from 100 Hz to 4 kHz 5.8 Averaged from 100 Hz to 4 kHz 110dB 16 Ω Direct: 16  $\Omega$ 70V: 60W, 30W, 15W, 7.5W 100V: 60W, 30W, 15W

#### TRANSDUCERS

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

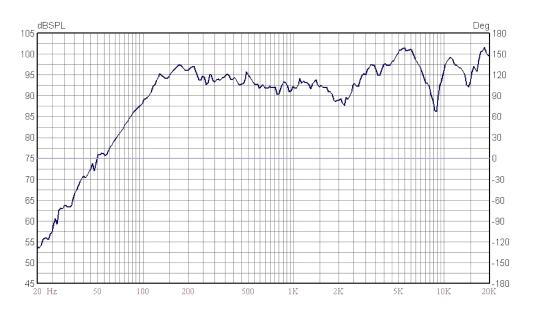
#### PHYSICAL

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

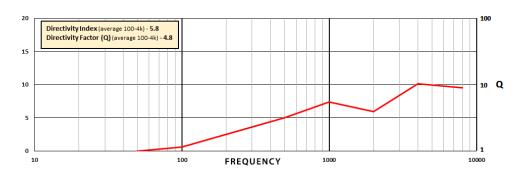
> SIDE FRONT (with grille) 10.13″Ø [257.2 mm] 0.87" [22.0 mm] 6.71 \* [170.5 mm] 1.46" [37.1 mm] ] 0.19 " [3 mm] 9.45 [240 mm] DENON 9.70″ Ø [246.5 mm] Ø 8.66″ 0 (0) [220 mm] 6 0  $\odot$ 6 B • • • • TOP



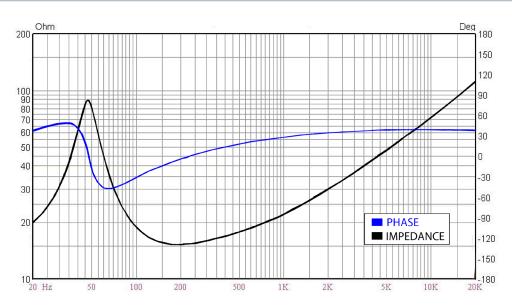
## **ON-AXIS FREQUENCY RESPONSE**



## DIRECTIVITY

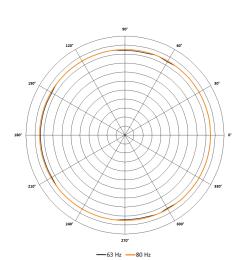


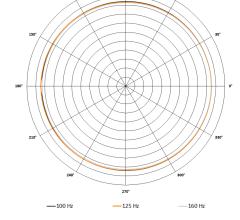
## **IMPEDENCE AND PHASE**

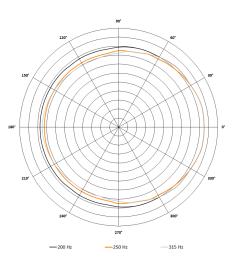


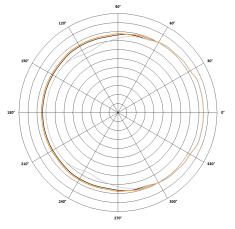


# POLAR PLOTS









—400 Hz —500 Hz —630 Hz

