



F SERIES  
CEILING SPEAKERS

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# F-2352SC

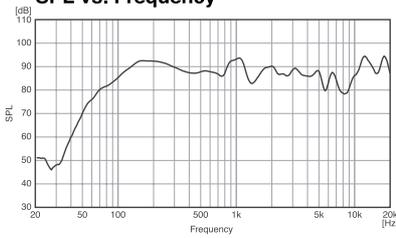
## 5" CO-AXIAL, 6 W



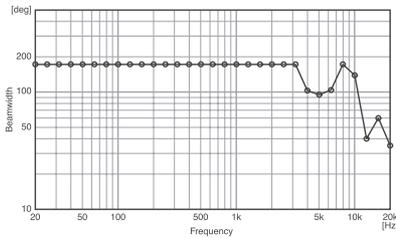
LOW POWER CO-AXIAL CEILING SPEAKER (5")

- Special diffuser provides wide off-axis high frequency response
- Co-axial: 5" cone driver and dome tweeter
- Wide-dispersion: 155° conical (1-4k Hz avg.)
- Frequency Response: 80 to 20k Hz
- Sensitivity: 89 dB SPL (1 W, 1 m)
- Continuous Power Handling: 18 W (8 ohms)
- Built-in 25/70.7/100 V transformer (6 W max.) with 8/16 ohm direct modes
- Convenient power tap selector on front baffle
- Four pole push-terminal input connector
- Low-profile, paintable grille
- Dust cover to protect components
- Optional HY-BC1 surface-mount back-can and HY-RR2 mounting C-ring
- Five year warranty

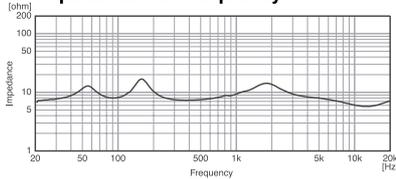
SPL vs. Frequency



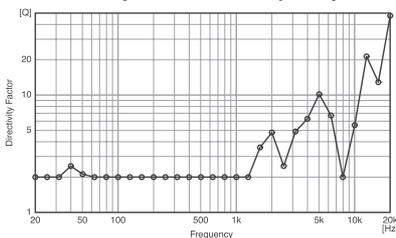
Beamwidth vs. Frequency



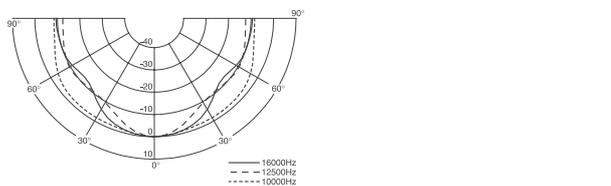
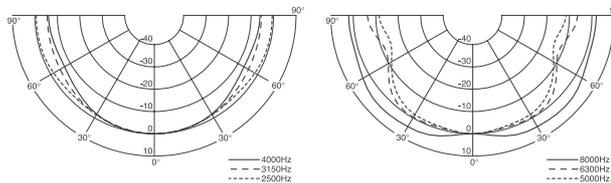
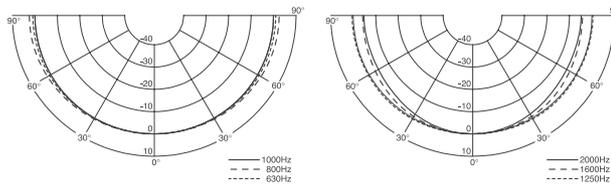
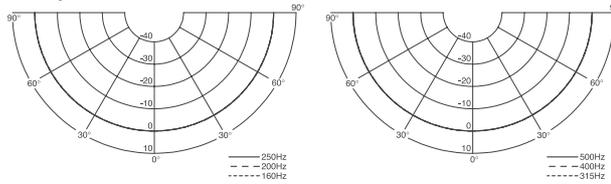
Impedance vs. Frequency



Directivity Factor vs. Frequency



Polar Response

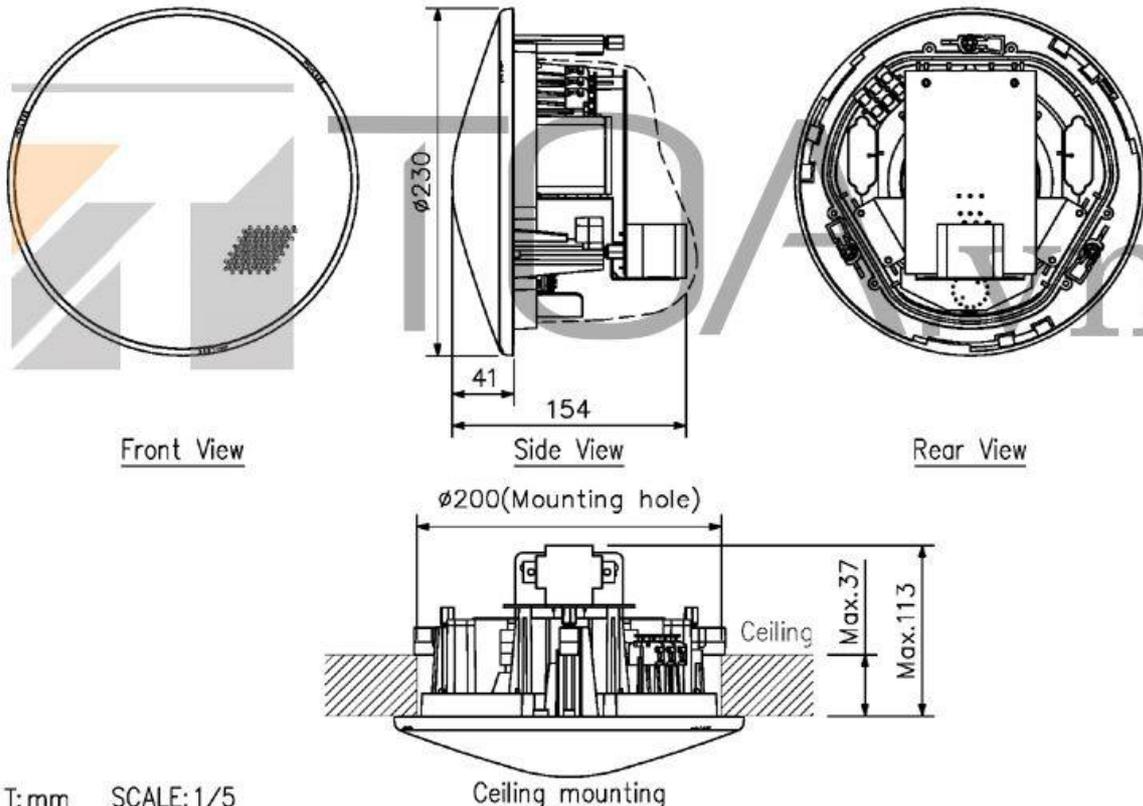


**DESCRIPTION**

The F-2352SC ceiling and wall-mounted speaker covers an extremely wide area and can be used for 25, 70 and 100 V line applications. Well-balanced sound can be heard uniformly at any location.

**SPECIFICATIONS**

Rated Input	6 W (High Impedance)
Power Handling Capacity	Continuous pink noise: 9 W (8 Ω), 6 W (16 Ω) Continuous program: 18 W (8 Ω), 12 W (16 Ω)
Impedance	100 V line: 1.7 kΩ (6 W), 3.3 kΩ (3 W), 10 kΩ (1 W), 20 kΩ (0.5 W) 70 V line: 830 Ω (6 W), 1.7 kΩ (3 W), 3.3 kΩ (1.5 W), 10 kΩ (0.5 W), 20 kΩ (0.25 W) 25 V line: 830 Ω (0.75 W), 1.7 kΩ (0.4 W), 3.3 kΩ (0.2 W), 10 kΩ (0.06 W), 20 kΩ (0.03 W) 16 Ω, 8 Ω
Sound Pressure Level	89 dB (1 W, 1 m)
Frequency Response	80 Hz – 20 kHz (–10 dB), 50 Hz – 20 kHz (–20 dB) at installation in 1/2 free sound field (Measured by installing the unit in the center of a ceiling.)
Speaker Component	High frequency: Balanced dome-type Low frequency: 12 cm cone-type
Mounting Hole	∅200 mm (Maximum ceiling thickness: 37 mm)
Input Terminal	Push-in connector (Bridging terminal-2 branch type)
Usable Cable	600 V Vinyl-insulated cable (IV wire or HIV wire) Solid copper wire: ∅0.8 – ∅1.6 mm (equivalent to AWG No. 20 – 15) 7-core twisted copper wire: 0.75 – 1.25 mm <sup>2</sup> (equivalent to AWG No. 18– 17)
Finish	Baffle: Fire-resistant ABS resin (resin material grade: UL-94 V-0), black Rim: Fire-resistant ABS resin (resin material grade: UL-94 V-0), white, paint Punched net: Steel plate, white, paint Dust-proof bag: Artificial fiber, black
Dimensions	∅230 × 154 (D) mm
Weight	1.5 kg (including panel)
Accessory	Panel ×1, Paper pattern ×1
Option	Back can: HY-BC1 Reinforcement ring: HY-RR2 Anchor hanging bracket: HY-AH1 (HY-RR2 required) Tile bar bridge: HY-TB1 (HY-RR2 required) Trim ring: HY-TR1 (HY-RR2 required)

**APPEARANCE**


UNIT:mm SCALE: 1/5