Overview

Low-profile ceiling speakers designed for superior music reproduction

Features

- Series offers different woofer sizes in either black or white.
- Engineered for optimum BGM reproduction.
- Wide coverage allows a single speaker to cover a wide area.
- Designed with optimized bass-reflex tuning to offer a firm, tight low-end.
- Low-profile design facilitates installation in limited ceiling spaces.
- Equipped with internal transformers that allow both high and low impedance drive, which can be selected by simply switching the tap on the baffle.
- Anti-drop tab mechanism provide secure temporary positioning during installation.
- A flexible carrying band makes the speakers very portable and allows carrying multiple speakers at once.
- Comes complete with O-rings and tile rails for safer and smoother installation.
- Overload protection circuit provided to protect speaker components.
- Comes with paintable speaker grilles for flexible design ideas.
- Certified to EN 54-24.

Specifications

General Specifications

System Type		Full-range, Bass-reflex
Components		4.5" full-range
Frequency Range	(-10dB)	60Hz-20kHz*1
Coverage Angle (Horizontal x Vertical)		130° conical*1
Nominal Impedance		8Ω
Transformar Taps	70V	30W, 15W, 7.5W, 3.8W
	100V	30W, 15W, 7.5W
Power Rating	NOISE	40W
	PGM	80W
	MAX	160W
Sensitivity (1W, 1m)		87dB SPL*1
Maximum SPL (Caluculated, 1m)		109dB SPL*2
Connectors		1 x Ceramic terminal block (3P) (input: +/-, Earth)
Material, Finish, Color		Black, White
Dimensions (W x H x D)		Ø324mm x 143mm (12.8" x 5.7")
Net Weight		3.1kg (6.8lbs)
Packaging		Pair
IP Rated		IP32
Cutout Size		Ø285mm (Ø11.3")
Certificate		CE, RoHS, EN54-24

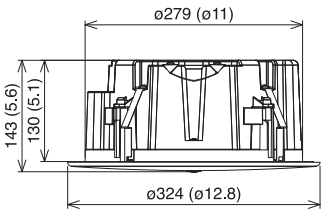
*1 Half space (2π)
*2 Calculated based on power rating and sensitivity, exclusive of power compression

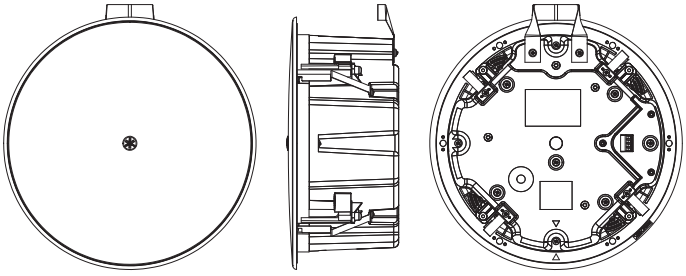
Accessories

Included Accessories	O-ring, Tile Rail, Cutout Template, Euro Block (4pin), Terminal Cover

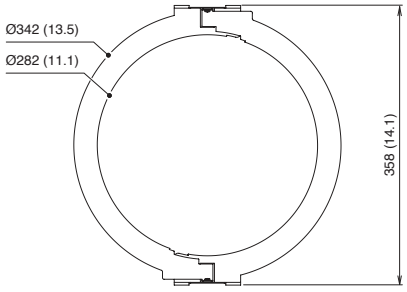
Dimensions

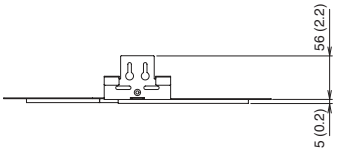
Unit: mm (inch)



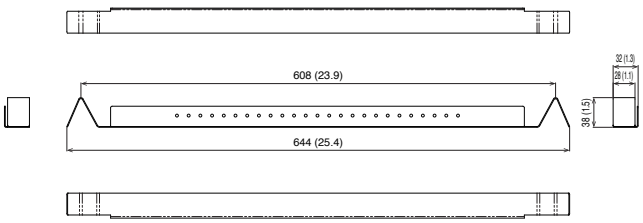


O-ring





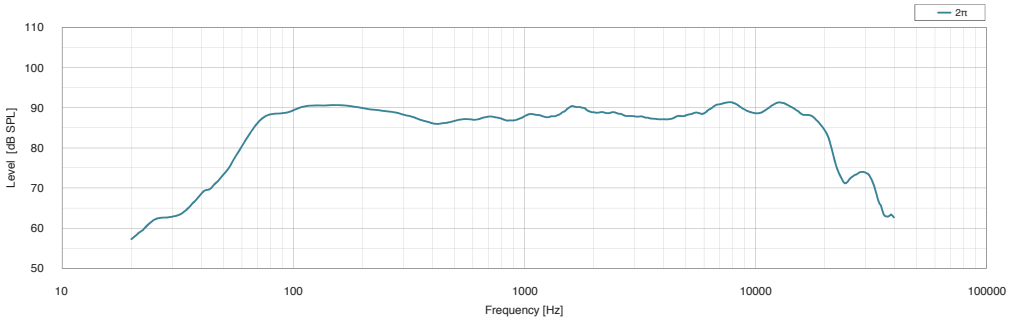
Tile Rail



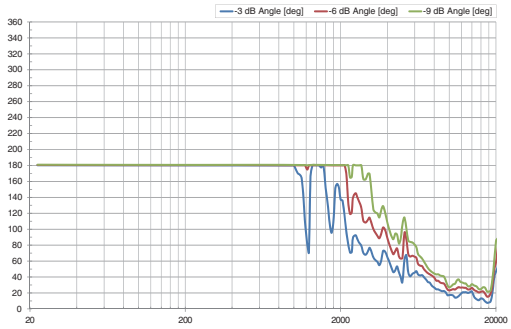
Architectural and Engineering Specifications

The loudspeaker shall be of in-ceiling design, a full-range bass-reflex type and shall have a back can. The loudspeaker shall consist of a 4.5" (11.5cm) cone driver. The loudspeaker shall be equipped with internal transformers that allow both high-impedance and low-impedance drive. The Anti-Drop tab shall be provided for improved safety and ease of installation that allows the loudspeaker to be mounted temporarily in the ceiling. The flexible carrying band shall be provided for improved portability. The power rating shall be set by switching a transformer tap on the baffle as follows: 30W/15W/7.5W in 100V line; 30W/15W/7.5W/3.8W in 70V line; and 80W into 8 ohms. The loudspeaker shall be capable of meeting the following performance criteria: The measured sensitivity shall be 87dB SPL (at 1W, 1m, in half-space); The maximum SPL shall be 199dB SPL (at 1m); The frequency range shall be 60Hz-20kHz (10dB below rated sensitivity, in half-space); The nominal coverage angle shall be 130° polar conical. The loudspeaker shall be provided for an overload protection circuit to protect network and transducers. The loudspeaker shall comply with dust and water resistance rating of IP32. The 4-pin Euroblock connector shall be provided for an input and a loop-thru. The grille shall have the following color variation: black-painted (VXC5F-VA) or white-painted (VXC5F-VAW). Overall front face diameter of the loudspeaker shall not exceed 324mm (12.8"), overall depth from the bottom of the ceiling shall not exceed 143mm (5.7"), and shall weigh no more than 3.2kg (7.1lbs). The loudspeaker shall have included accessories as follows: The O-rings and the tile rails shall be included for safer and smoother installation. The loudspeaker shall be equipped with an eyelet for secondary safety wire usage. EN54-24 certified. The loudspeaker shall be the Yamaha VXC5F-VA or VXC5F-VAW.

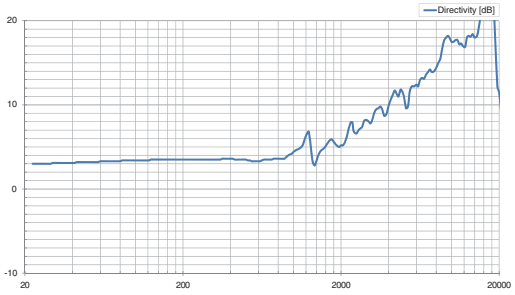
Sensitivity



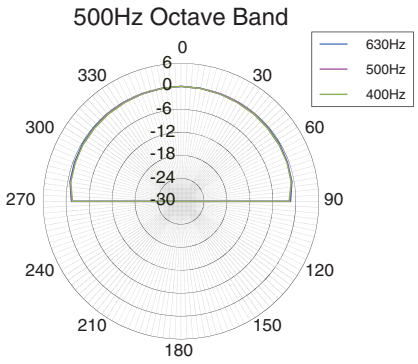
Beamwidth

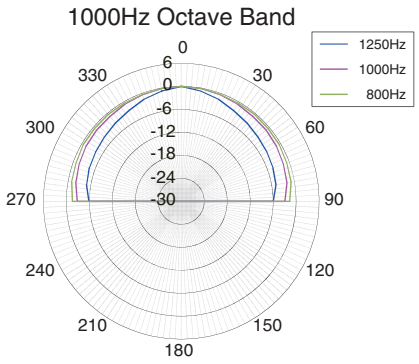


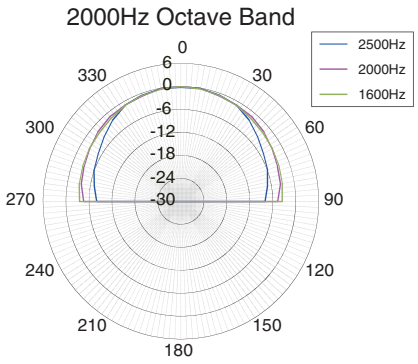
Directivity Index

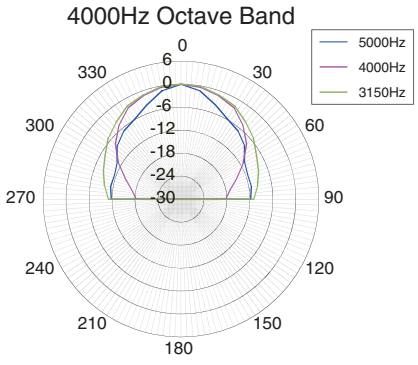


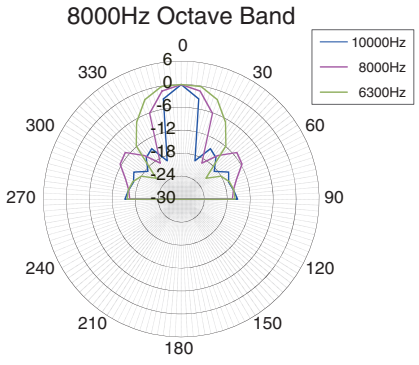
Polar Plots

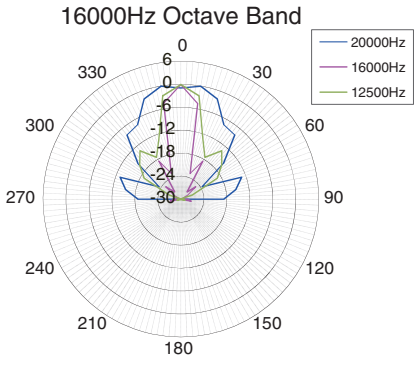












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