Technical Data Sheet

WYAMAHA

Ceiling Speaker VXC8/VXC8W



Anti-Drop tab



Features

A versatile line-up for clear consistent sound.

- · Series offers three different woofer sizes in either black or white.
- Features newly customized transducers for superb music reproduction as well as crystal clear announcements.
- Designed with optimized bass-reflex tuning to offer a firm, tight low-end.
- 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 allows the speakers to be mounted temporarily in the ceiling for improved safety and ease of 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.
- Supported by the dedicated software CISSCA (Commercial Installation Solutions Speaker Calculator).

General Specifications

Ceiling Speaker

_SERIES

Model		VXC8 / VXC8W
Speaker Type		2-way, Coaxial type, Acoustic Suspension
Components	LF	8" Cone
	HF	1" Soft dome
Coverage Angle ^{*1}		100° conical
Nominal Impedance		8Ω
Power Rating ^{*2}	NOISE	90W
	PGM	180W
Sensitivity ^{*3} (1W,1m)		90dB SPL
Maximum SPL (Calculated, 1m)		116dB SPL
Frequency Range ^{*3}	-10dB	55Hz - 20kHz
Connectors		1x Euroblock (4P) (Input: + / -, Loop Thru: + / -)
Transformer Taps	70V	60W (83Ω), 30W (170Ω), 15W (330Ω), 7.5W (670Ω)
	100V	60W (170Ω), 30W (330Ω), 15W (670Ω)
Color (Grille)		VXC8: Black / VXC8W: White
Dimensions (Diameter x D)		Ø325 x 259mm (Ø12.8" x 10.2")
Weight		6.6kg (14.5lbs)
Required Ceiling Thickness		5 - 35mm
Ceiling Cutout Hole Diameter		285mm
Included accessories		O-ring, Tile Rail, Cutout Template, Screws, Owner's Manual
*1 500Hz - 4kHz *2 IEC *3 Half space		





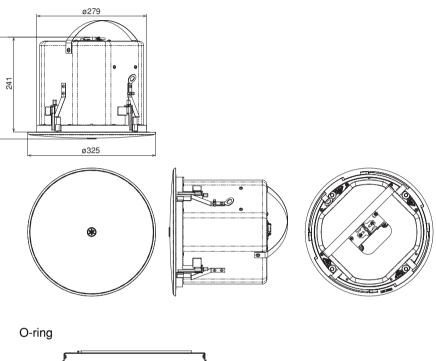
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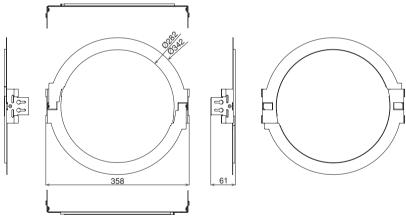
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Ceiling Speaker VXC8/VXC8W

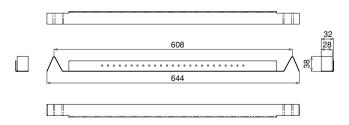
Dimensions

Unit: mm



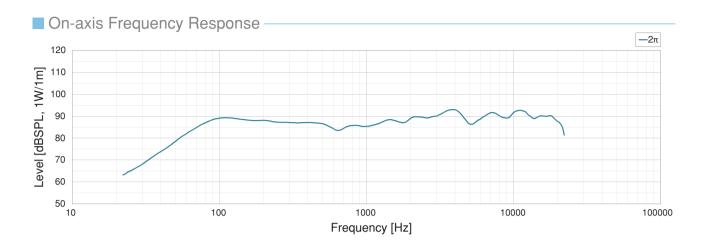


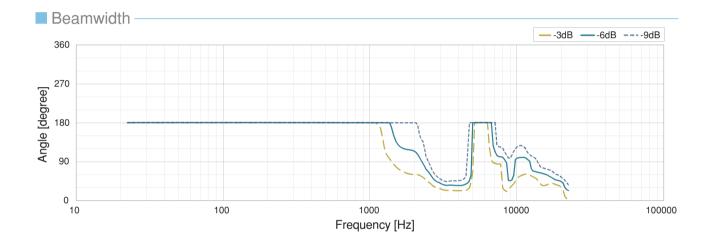
Tile Rail

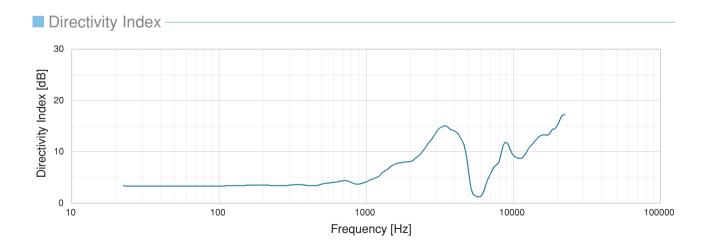




Ceiling Speaker VXC8/VXC8W





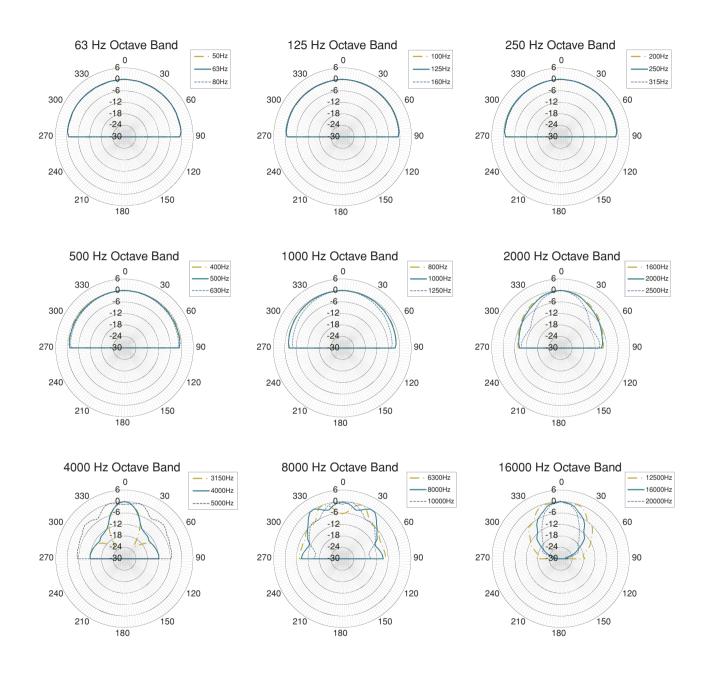




Technical Data Sheet

Ceiling Speaker VXC8/VXC8W

Polar Plots



Ceiling Speaker

Ceiling Speaker VXC8/VXC8W

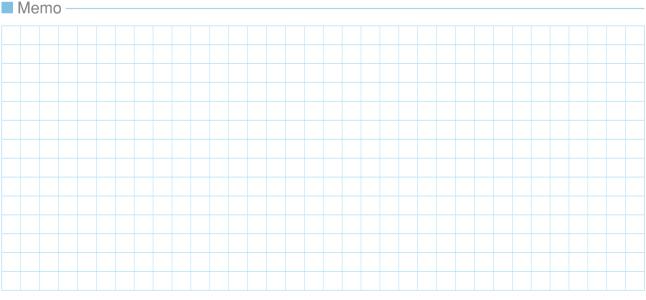
Architectural and Engineering Specifications

The loudspeaker shall be of in-ceiling design, a 2-way coaxial acoustic suspension type and shall have a back can. The loudspeaker shall consist of an 8" (20cm) cone driver for low frequency and a 1" (2.5cm) soft dome tweeter for high frequency. The loudspeaker shall be equipped with internal transformers that allow both high-impedance and lowimpedance 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: 60W/30W/15W in 100V line; 60W/30W/15W/7.5W in 70V line; and 180W into 8 ohms. The loudspeaker shall be capable of meeting the following performance criteria: The measured sensitivity shall be 90dB SPL (at 1W, 1m, in half-space); The maximum SPL shall be 116dB SPL (at 1m); The frequency range shall be 55Hz-20kHz (10dB below rated sensitivity, in halfspace); The nominal coverage angle shall be 100° polar conical (average 500Hz-4kHz). The loudspeaker shall be provided for an overload protection circuit to protect network and transducers. The 4-pin Euroblock connector shall be provided for an input and a loop-thru. The back can shall be constructed of 1mm-thick black-painted steel and the baffle of HIPS. The grille shall be constructed of 0.6mm-thick steel and the trim ring of ABS, with an aperture ratio of 51%. The grille shall have the following color variation: black-painted (VXC8) or whitepainted (VXC8W). Overall front face diameter of the loudspeaker shall not exceed 325mm (12.8"), overall depth from the bottom of the ceiling shall not exceed 259mm (10.2"), and shall weigh no more than 6.6kg (14.5lbs). 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.

The loudspeaker shall be the Yamaha VXC8 or VXC8W.

Safety and Regulatory Compliance

UL1480 (UEAY) : Commercial and Professional Use (General-Utility). Suitable for use indoor in dry locations. UL2043 : Suitable for use in air handling spaces.



*All specifications are subject to change without notice.

*All trademarks and registered trademarks are property of their respective owners.



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