

Overview

Premium Sounding Compact Ceiling Speakers at a Non-Premium Price.

VC series ceiling speakers for commercial installations deliver excellent sound quality at a price point traditionally reserved for economy speakers. A total of six models, three with back cans and three without, feature elegant low-profile designs that can be installed easily even in limited ceiling or wall spaces. Large mounting clamps with non-slip treads ensure secure mounting.



Features

- Engineered for optimum BGM and voice reproduction
- Low-profile design allows installation in limited ceiling spaces
- Direct support for low-impedance or high-impedance connections
- 16 Ω in low-impedance is advantageous when connecting multiple speakers in low impedance system
- Built-in carrying band increases safety during installation
- Double-threaded speaker clamp screws for speedy tightening
- Paintable grilles with magnetic catches
- Black and white versions available
- 2.1 kg (4.6 lbs), $\text{\O}225$ mm x D95 mm ($\text{\O}8$ -7/8" x D3-3/4")
- Single unit package

Specifications

General Specifications

System Type		2way Coaxial type, Acoustic Suspension
Components	LF	4" Cone
	HF	0.8" Film dome
Frequency Range (-10 dB)		121 Hz - 20 kHz *1
Coverage Angle (Horizontal x Vertical)		160°conical *1
Nominal Impedance		16 Ω
Transformer Taps	70V	6 W, 3 W, 1.5 W, 0.8 W
	100V	6 W, 3 W, 1.5W
Power Rating	NOISE	15 W
	PGM	30 W
	MAX	60 W
Sensitivity (1 W, 1 m)		88 dB SPL *1
Maximum SPL (Calculated, 1 m)		106 dB SPL *2
Connectors		1 x Euroblock (4 pin) (input: +/-, loop-thru: +/-)
Material, Finish, Color		VC4B: Black (approx. Munsell N3)
		VC4W: White (approx. Munsell N9.3)
Dimensions (W x H x D)		Ø225 mm x D95 mm (Ø8-7/8" x D3-3/4")
Net Weight		2.1 kg (4.6 lbs)
Cutout Size		Ø186 mm (Ø7-5/16")
Required Ceiling Board Thickness		2 mm - 37 mm
Packaging		Single
Certificate		UL1480, NFPA70, CE, RoHS

*1 Half space (2π)

*2 Calculated based on power rating and sensitivity

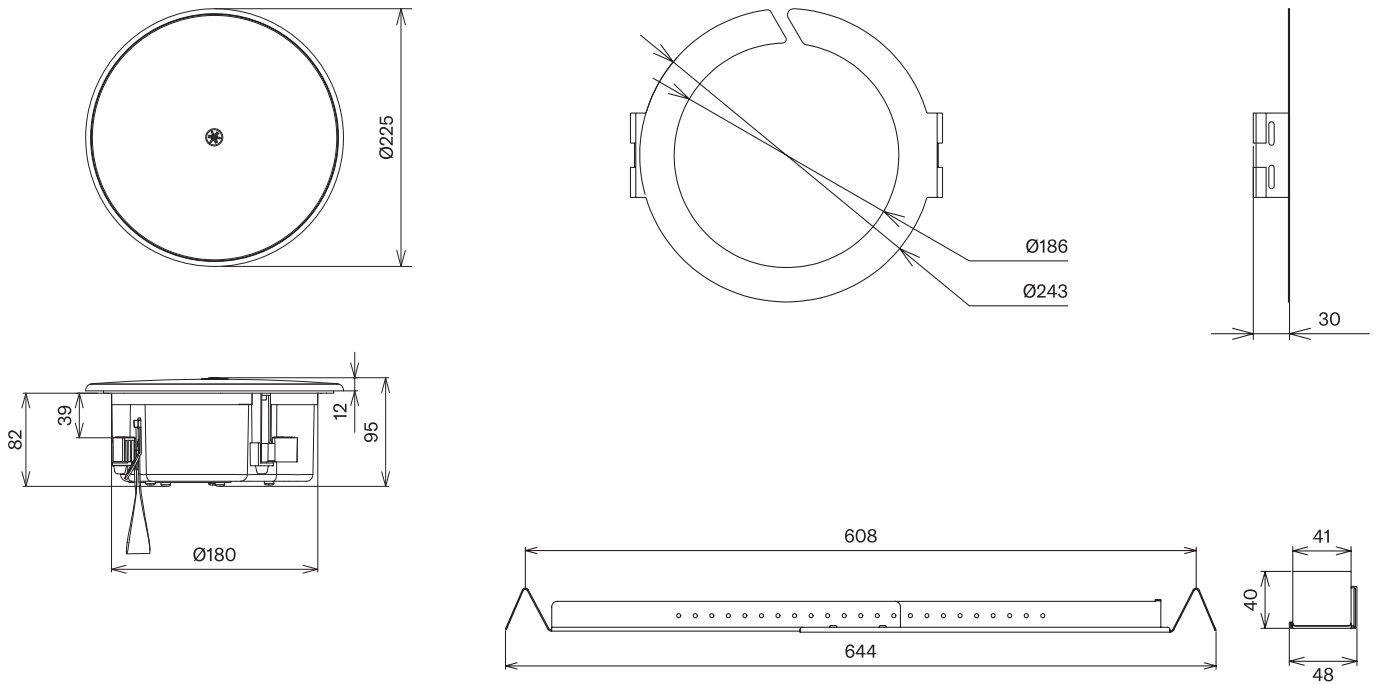
Accessories

Included Accessories	Grille, Safety wire, Cutout template
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Dimensions

Unit: mm

Option: AB-C2



Options

- C-ring + Tile Rail Kit AB-C2

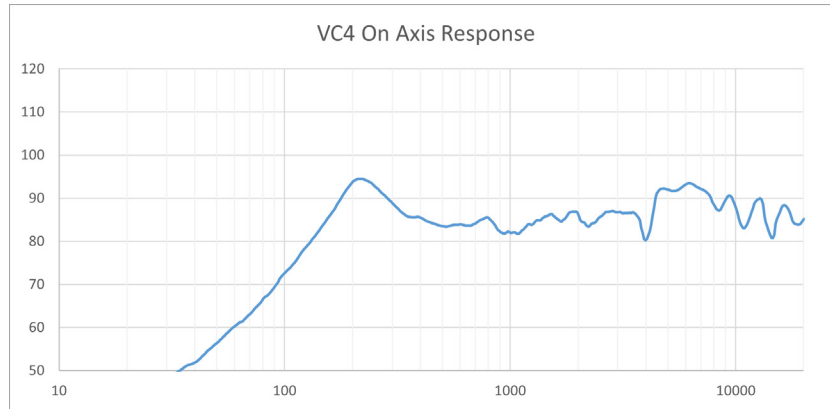
Architectural and Engineering Specifications

The Yamaha VC4B (black) and VC4W (white) shall be low-profile flush-mount ceiling speakers designed for commercial installations. The VC4B and VC4W shall have a 4" cone low frequency driver and 0.8" film dome high frequency driver.

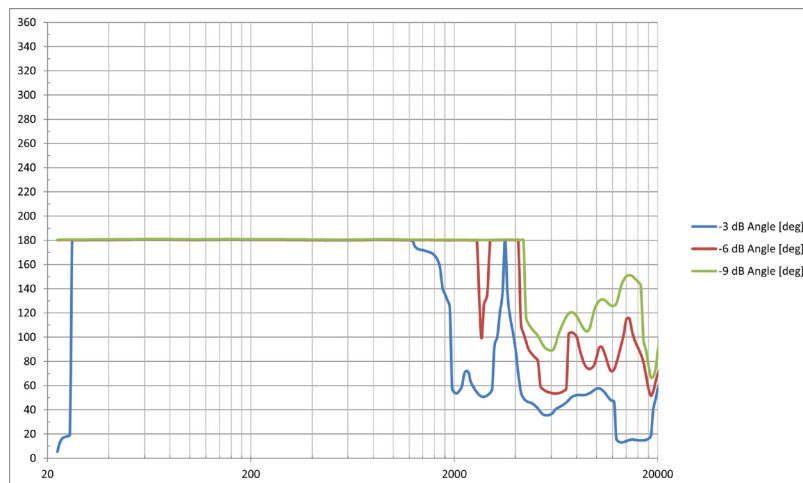
The VC4B and VC4W shall meet the following performance criteria: Sensitivity shall be 88 dB SPL at 1 watt/1 meter, maximum SPL shall be 106 dB at 1 meter, frequency response shall be 121 Hz to 20 kHz at 10 dB below rated sensitivity, and nominal coverage angle shall be 160° conical. Maximum power ratings shall be 15 watts noise, 30 watts program, and 60 watts peak. A tap selector shall be provided to allow operation at 16 ohms in low-impedance systems, or 70V/100V line voltage in distributed systems. 1.5, 3, and 6 watt power taps shall be provided for 100 volt distributed lines. 0.8, 1.5, 3, and 6 watt power taps shall be provided for 70 volt distributed lines. Overload protection shall be provided by full-range power limiting. A 4-pin Euroblock connector shall be provided for input connection.

The VC4B and VC4W shall have a powder-coated punched metal grille, an ABS trim ring, and a steel back can. The VC4B grille and trim ring shall be black, and the VC4W grille and trim ring shall be white. The VC4B and VC4W shall be supplied with a safety wire, cutout template and owner's manual. An optional reinforcing bracket kit including tile rails, a C-ring, and screws shall be sold separately. The required ceiling cutout size shall be 186 (ø) mm. Speaker dimensions including grille shall be 225 (ø) x 95 (D) mm. Weight shall be 2.1 kg.

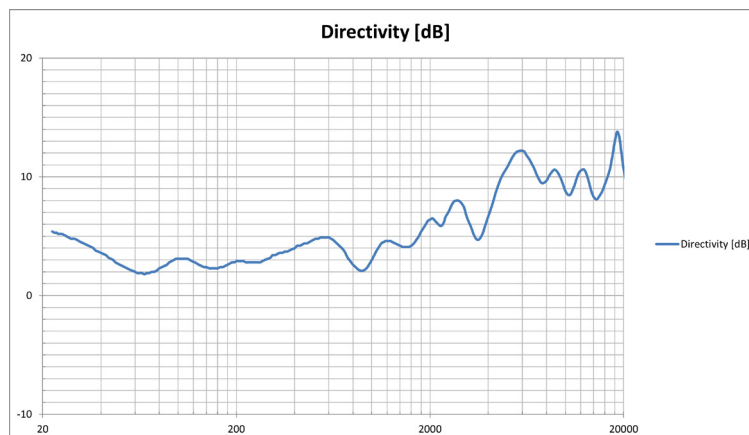
Sensitivity



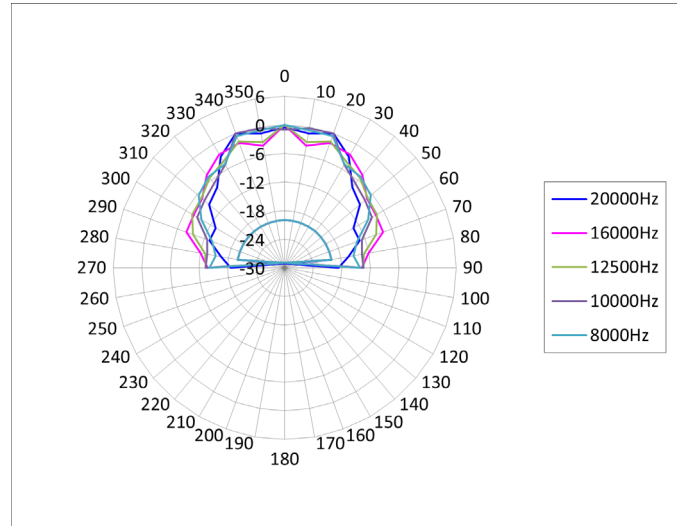
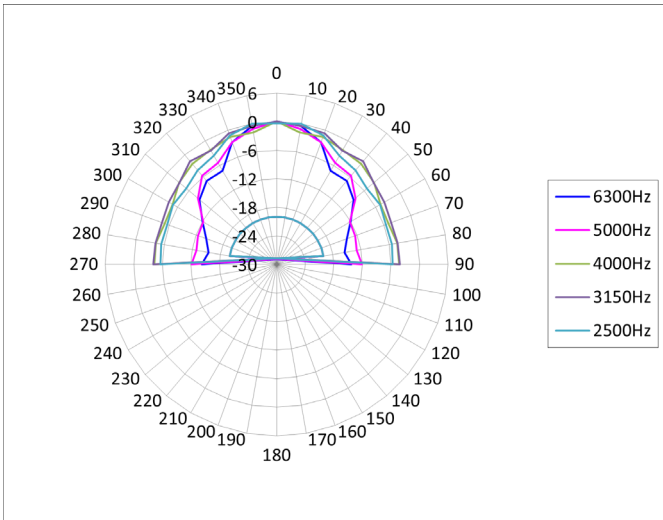
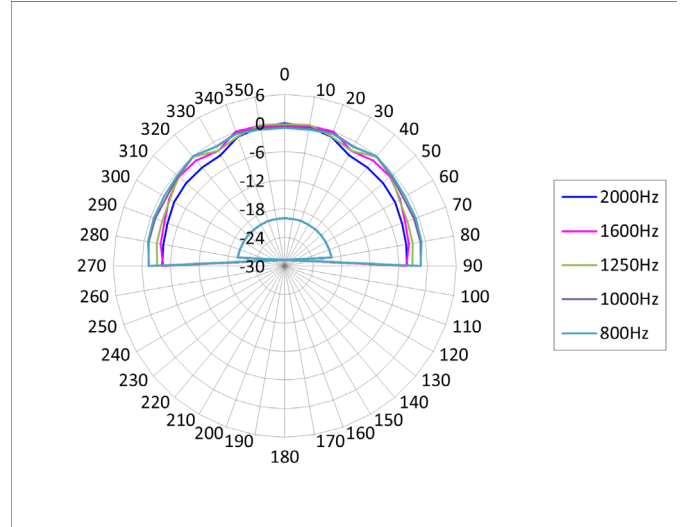
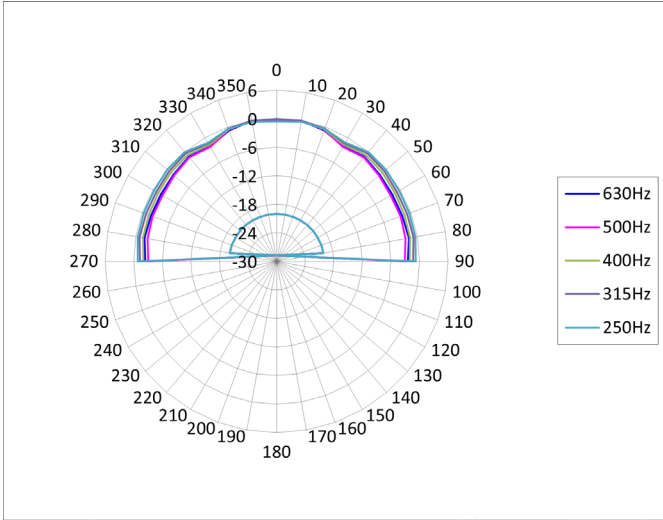
Beam Width



Directivity Index



Polar Plots



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