

Overview

VXH series pendant speakers are an ideal choice for open-structure or sloped ceilings, adding versatility for a variety of environments and sonic needs.

The wide-dispersion 6.5-inch VXH6 for use where the speakers are to be suspended at a relatively low position.



Features

- Wide dispersion (120°) and 300 W power handling
- Engineered for optimum BGM and voice reproduction
- Pendant speaker suitable for high, open structure or sloped ceilings
- Direct support for low-impedance or high-impedance connections
- Paintable grilles with magnetic catches
- 2 x 6 m steel wire cables by Gripple
- Black and white versions available
- 5.7 kg (12.6 lbs), Ø341 x D379 mm (Ø13-3/8" x D14-1/2")
- Single unit package

Specifications

General Specifications

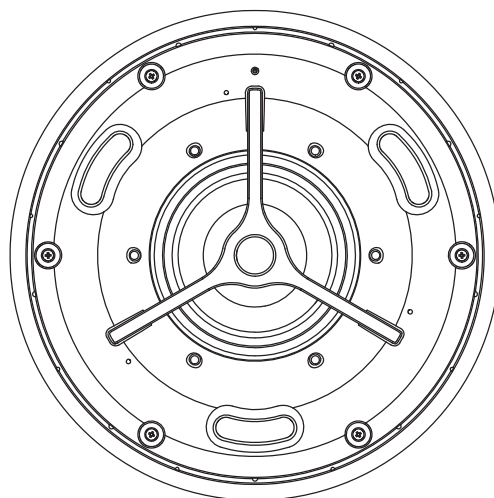
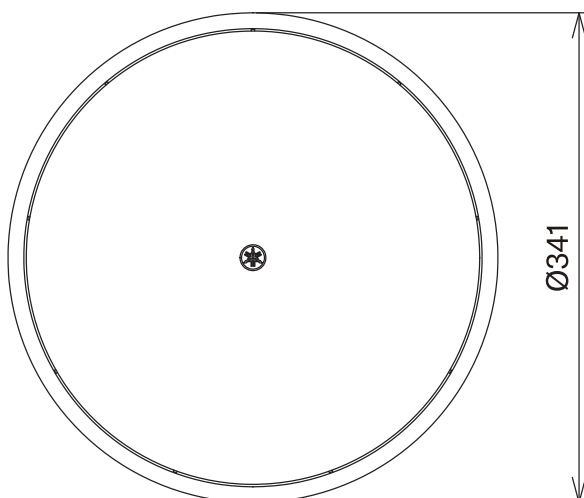
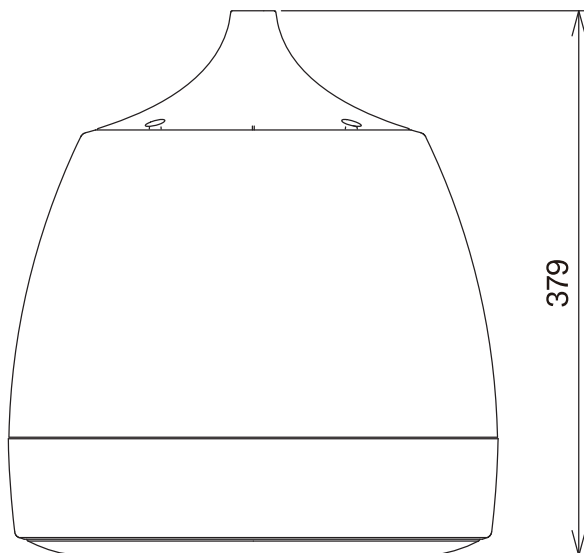
System Type		Coaxial 2 way, Bass reflex type
Components	LF	16 cm Cone
	HF	2.5 cm Soft Dome
Frequency Range (-10 dB)		55 Hz – 20 kHz (Full-space: 4π)
Crossover Frequencies		3 kHz
Nominal Coverage		120° conical (Full-space: 4π)
Nominal Impedance		8 Ω
Transformer Taps	70V	60 W, 30 W, 15 W, 7.5 W
	100V	60 W, 30 W, 15 W
Power Rating	NOISE	75 W
	PGM	150 W
	MAX	300 W
SPL	Sensitivity (1 W; 1 m on axis)	93 dB (Full-space: 4π)
	Peak (Calculated)	118 dB (Calculated, 1 m)
I/O Connectors		Euroblock (4 pin) x 1 (input: +/-, loop-thru: +/-): Min. wire size AWG 24 (0.2 sq), Max. wire size AWG 12 (3.5 sq)
Protection Circuit	Load Protection	Full-range power limiting to protect network and transducers
Finish		VXH6B: Black powder coating (approximate value: Munsell N3)
		VXH6W: White powder coating (approximate value: Munsell N9.3)
Dimentions	Diameter	Ø341 mm (13-3/8")
	D	379 mm (14-1/2")
Net Weight		5.7 kg (12.6 lbs)
Dust and Water Resistant		IP45 (when waterproofing the cover hole)
Packaging		1 pc / packaging
Certificate		UL1480A, NFPA70, CE, RoHS

Accessories

Included Accessories	Gripple Kit x 1, Euro Block (4 pin) x 1, Cushion Seal x 1, Back Cover Set x 1, Owner's Manual x 1, GRIPPLE Kit Installation Guide x 1
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Dimensions

Unit: mm



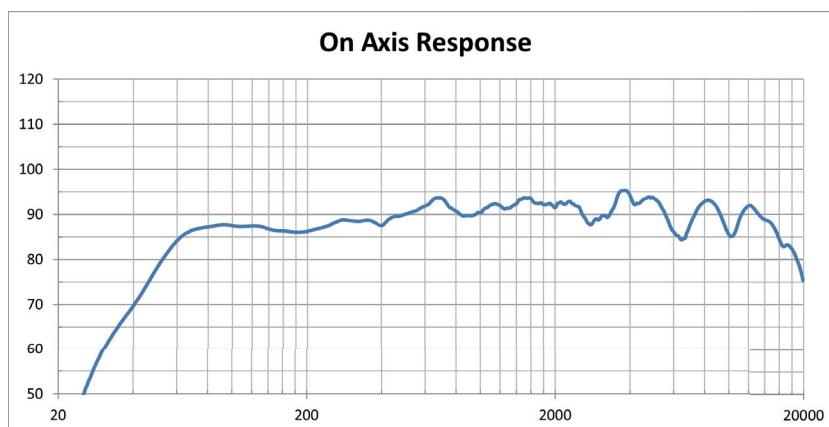
Architectural and Engineering Specifications

The Yamaha VXH6B (black) and VXH6W (white) shall be pendant type ceiling speakers designed for commercial installations. The VXH6B and VXH6W shall be coaxial bass-reflex designs with a 16 cm cone low frequency driver and 2.5 cm soft dome high frequency driver. Crossover frequency shall be 3 kHz.

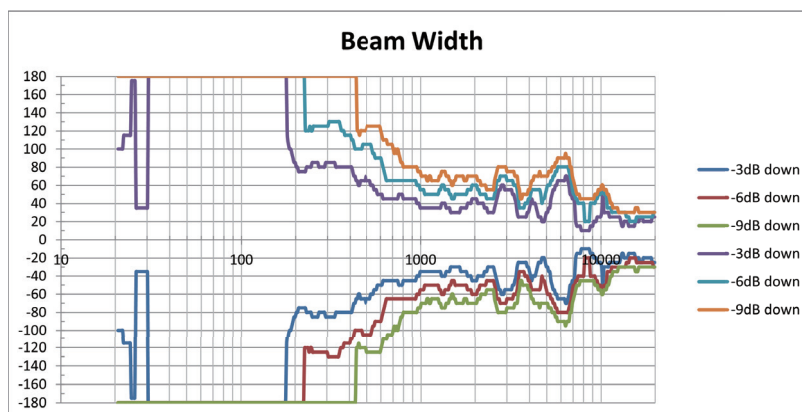
The VXH6B and VXH6W shall meet the following performance criteria: Sensitivity shall be 93 dB SPL at 1 watt/1 meter, maximum SPL shall be 118 dB at 1 meter, frequency response shall be 55 Hz to 20 kHz at 10 dB below rated sensitivity, and nominal coverage angle shall be 120° conical. Maximum power ratings shall be 75 watts noise, 150 watts program, and 300 watts peak. A tap selector shall be provided to allow operation at 8 ohms in low-impedance systems, or 70V/100V line voltage in distributed systems. 15, 30, and 60 watt power taps shall be provided for 100 volt distributed lines. 7.5, 15, 30, and 60 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 VXH6B and VXH6W shall have a powder-coated punched metal grille and painted cabinet. The VXH6B grille and cabinet shall be black, and the VXH6W grille and cabinet shall be white. The VXH6B and VXH6W water and dust proof rating shall be IP45 when the back cover hole has been waterproofed. The VXH6B and VXH6W shall be supplied with a Gripple suspension kit, 4-pin Euroblock connector, back cover set, waterproof gasket, owner's manual, and Gripple Kit installation guide. Speaker dimensions including grille and back cover shall be 341 (ø) x 379 (D) mm. Weight shall be 5.7 kg.

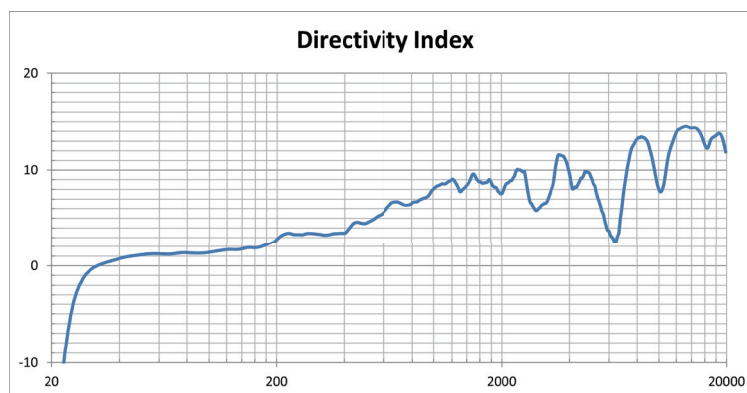
Frequency Response



Beam Width

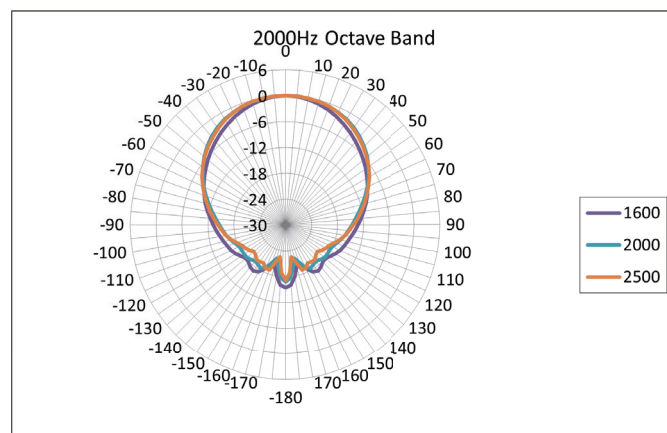
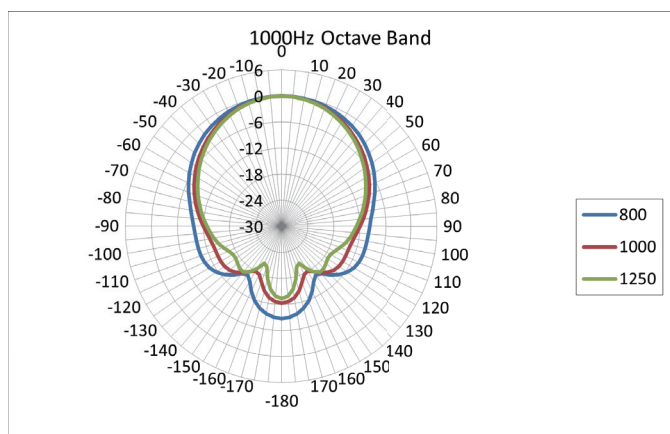
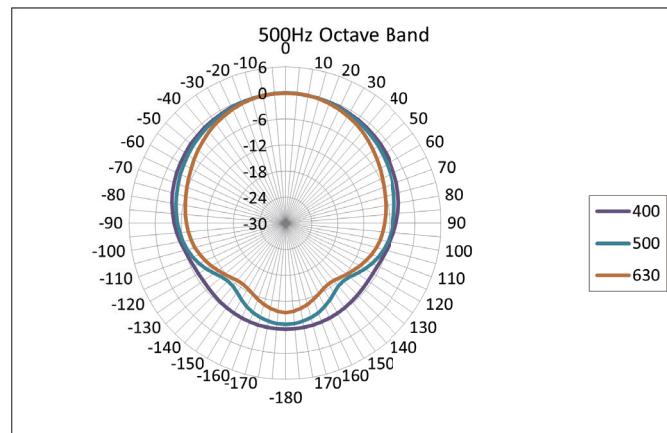
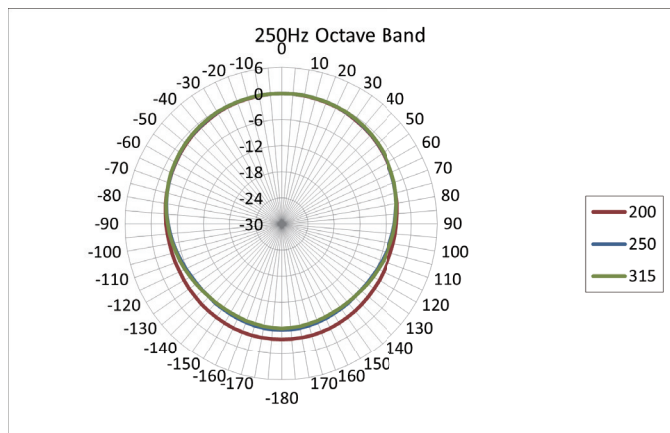


Directivity Index



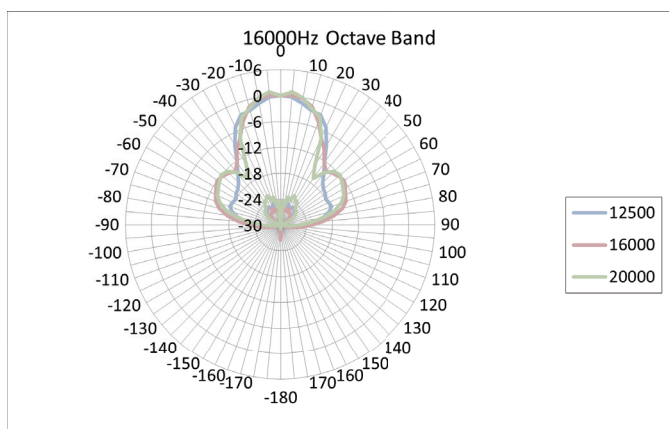
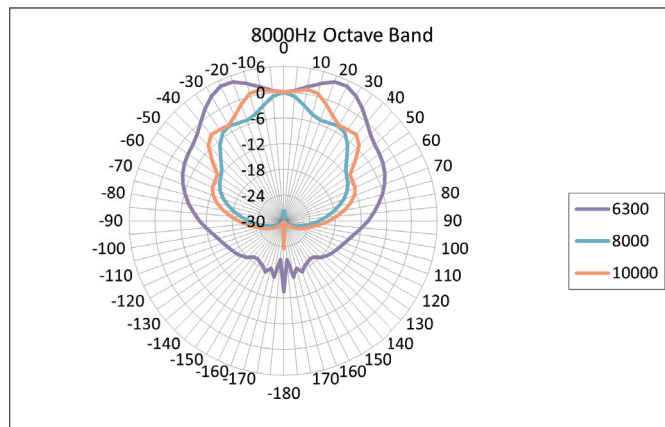
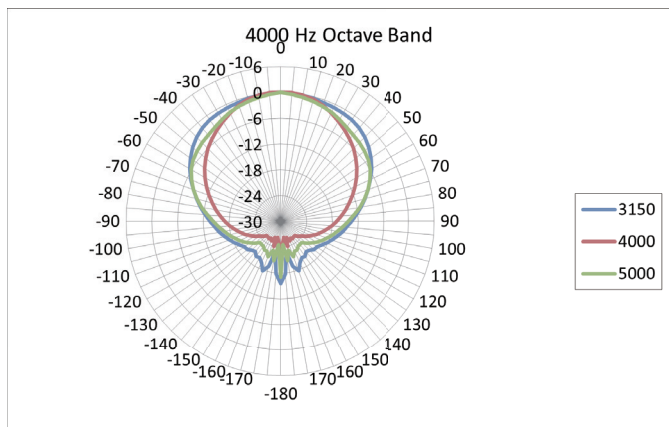
Polar Plots

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Polar Plots

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