

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 high-power 8-inch VXH8 with narrower dispersion for higher suspension positions.



Features

- Narrow dispersion (75°) with "permeable" waveguide and 360 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
- 7.2 kg (15.9 lbs), Ø356 x D434 mm (Ø14-1/64" x D17-3/32")
- Single unit package

Specifications

General Specifications

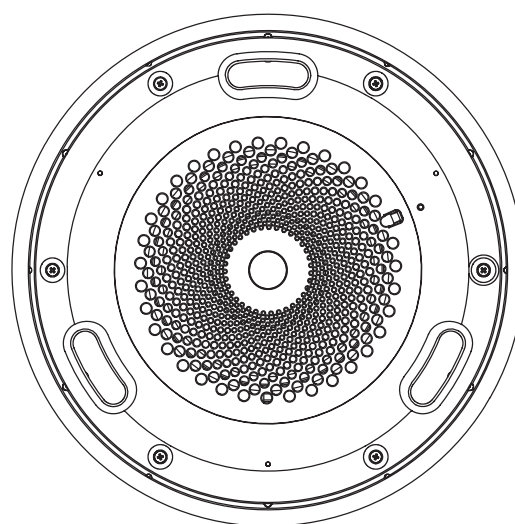
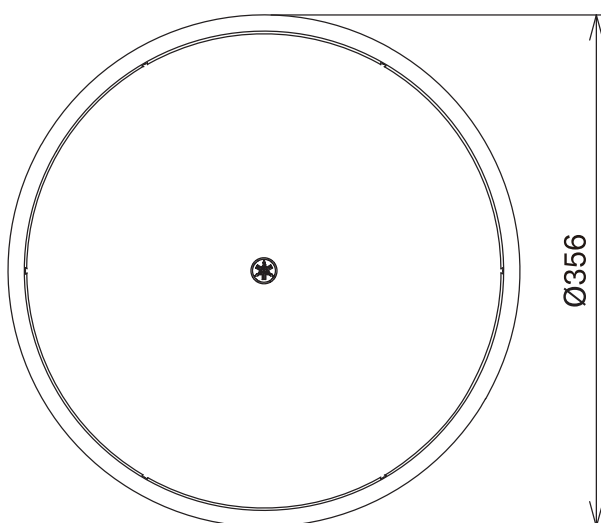
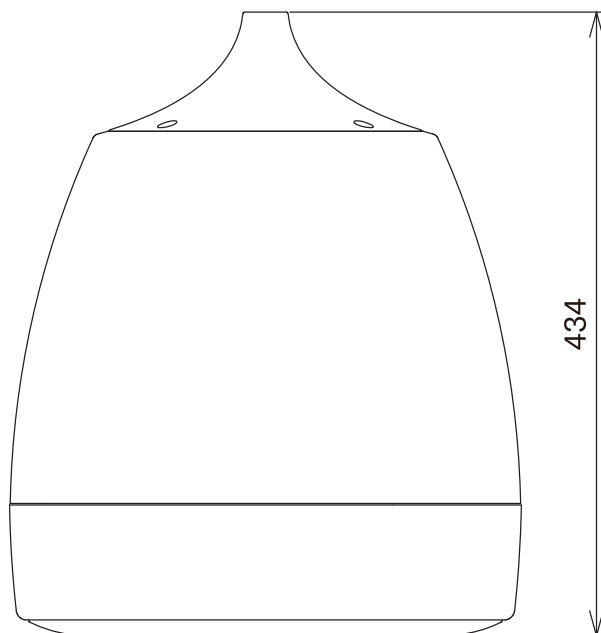
System Type		Coaxial 2 way, Bass reflex type
Components	LF	20 cm Cone
	HF	2.5 cm Soft Dome
Frequency Range (-10 dB)		57 Hz – 20 kHz (Full-space: 4 π)
Crossover Frequencies		3 kHz
Nominal Coverage		75° conical (Full-space: 4 π)
Nominal Impedance		8 Ω
Transformer Taps	70V	60 W, 30 W, 15 W, 7.5 W
	100V	60 W, 30 W, 15 W
Power Rating	NOISE	90 W
	PGM	180 W
	MAX	360 W
SPL	Sensitivity (1 W; 1 m on axis)	94 dB (Full-space: 4 π)
	Peak (Calculated)	120 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		VXH8B: Black powder coating (approximate value: Munsell N3)
		VXH8W: White powder coating (approximate value: Munsell N9.3)
Dimentions	Diameter	Ø356 mm (14")
	D	434 mm (17-3/32")
Net Weight		7.2kg (15.9 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
----------------------	---

Dimensions

Unit: mm



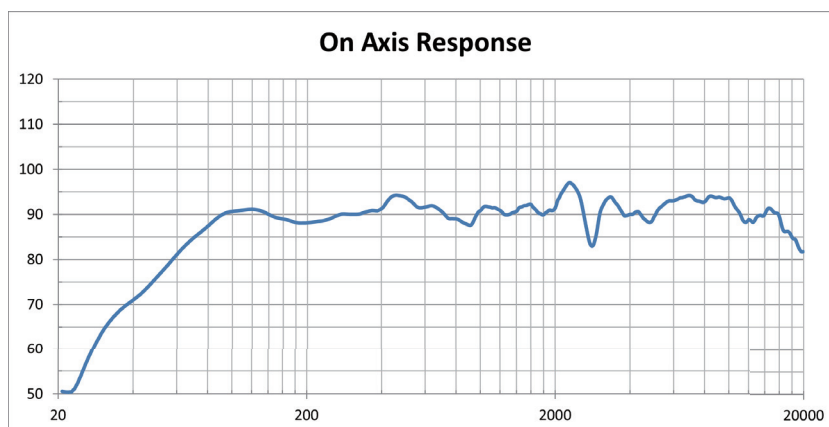
Architectural and Engineering Specifications

The Yamaha VXH8B (black) and VXH8W (white) shall be pendant type ceiling speakers designed for commercial installations. The VXH8B and VXH8W shall be coaxial bass-reflex designs with a 20 cm cone low frequency driver and 2.5 cm soft dome high frequency driver. Crossover frequency shall be 3 kHz.

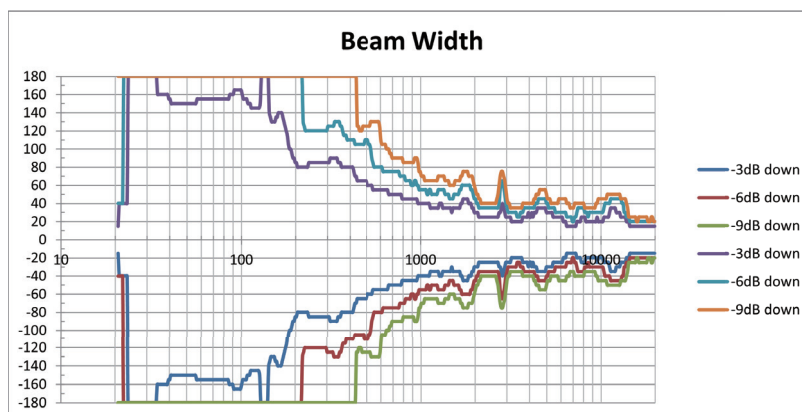
The VXH8B and VXH8W shall meet the following performance criteria: Sensitivity shall be 94 dB SPL at 1 watt/1 meter, maximum SPL shall be 120 dB at 1 meter, frequency response shall be 57 Hz to 20 kHz at 10 dB below rated sensitivity, and nominal coverage angle shall be 75° conical. Maximum power ratings shall be 90 watts noise, 180 watts program, and 360 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 VXH8B and VXH8W shall have a powder-coated punched metal grille and painted cabinet. The VXH8B grille and cabinet shall be black, and the VXH8W grille and cabinet shall be white. The VXH8B and VXH8W water and dust proof rating shall be IP45 when the back cover hole has been waterproofed. The VXH8B and VXH8W 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 356 (ø) x 434 (D) mm. Weight shall be 7.2 kg.

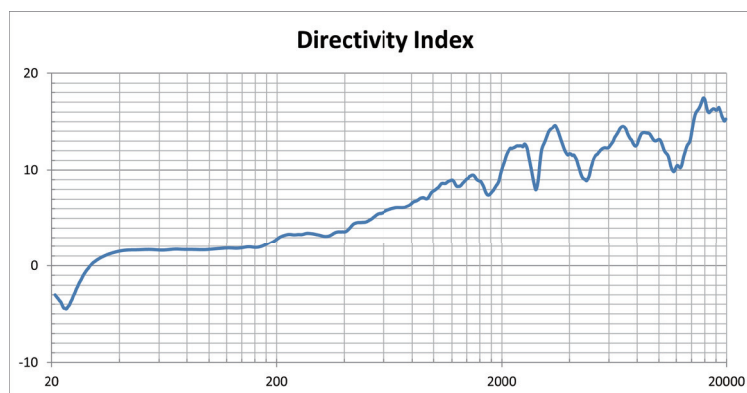
Frequency Response



Beam Width

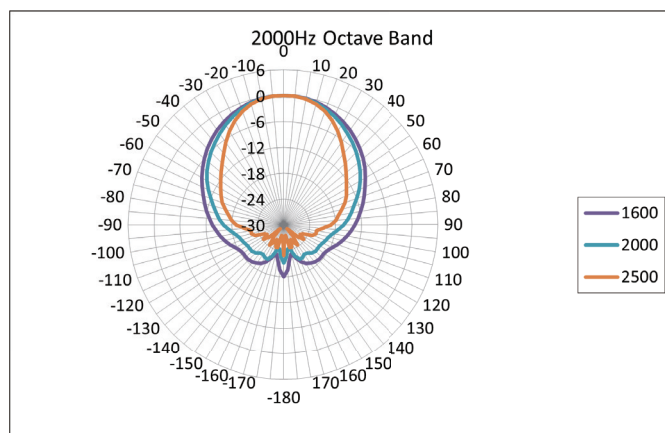
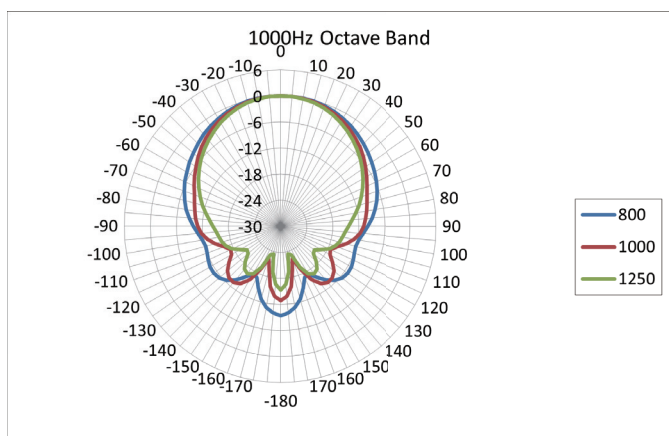
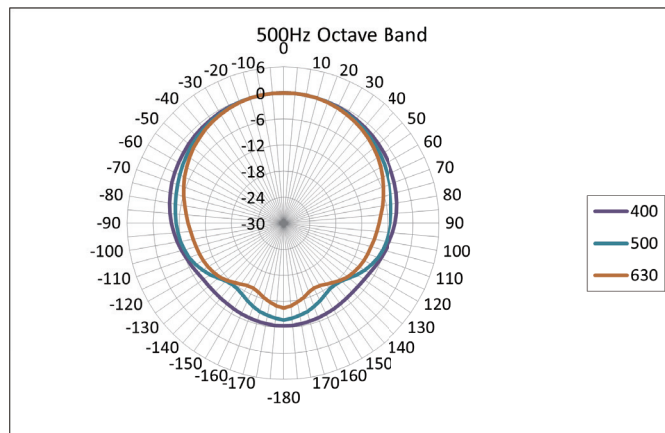
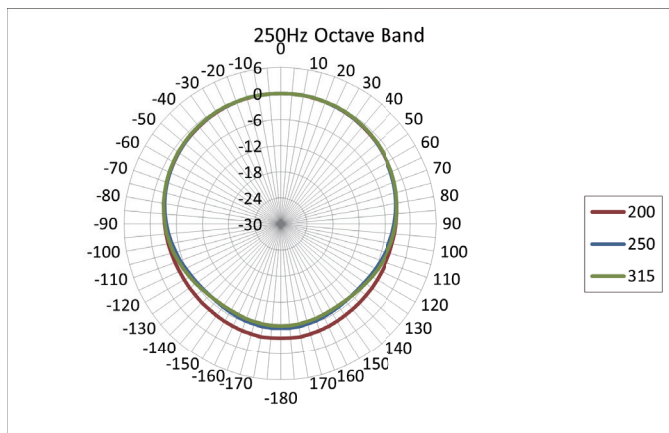


Directivity Index



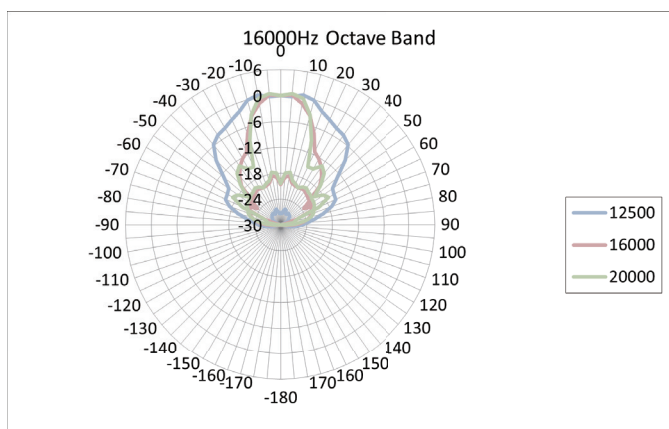
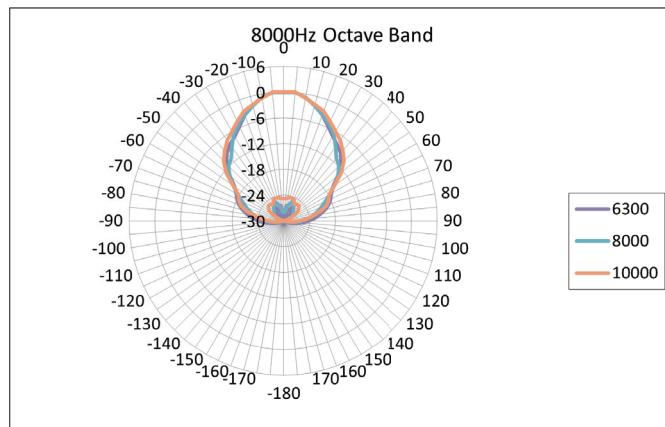
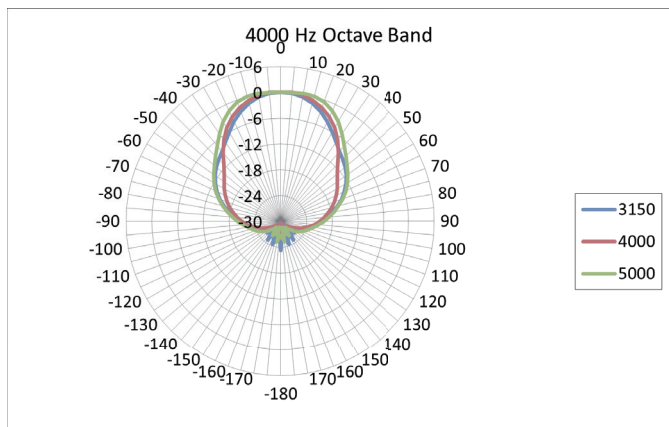
Polar Plots

1/2



Polar Plots

2/2



*All information subject to change without notice.

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

Created in May, 2022

YAMAHA CORPORATION
P.O.BOX 1, Hamamatsu Japan
www.yamaha.com/proaudio/