



Smart Design for Safer, Faster Installation

The VXC ceiling speakers come with smart mechanical features that contribute to significantly safer, faster installation. And since these models support both low-impedance and high-impedance connection, the need for extra stock is minimized and systems can be designed to ideally meet the requirements of any application.

 <p>Portable A built-in "Carrying Band" not only makes the speaker easy to carry around, but also increases safety when working on a step ladder.</p>	 <p>Secure An "Anti-Drop Tab" mechanism securely holds the speaker in place so that the installation can proceed safely and efficiently. There's also a release lever that allows the speaker to be smoothly removed from the ceiling as required.</p>
 <p>Fast Double threaded screws used for the speaker clamp mechanism allow the clamps to be tightened twice as fast as conventional screws.</p>	 <p>Hi-Z or Lo-Z Both high-impedance and low-impedance connections are supported, and speaker wattage can be easily switched even after installation.</p>
 <p>Streamlined The supplied speaker grilles are firmly and elegantly held in place by powerful magnets. An anti-drop wire is also included.</p>	 <p>Paintable The supplied grilles can be painted any color to match interior decor.</p>

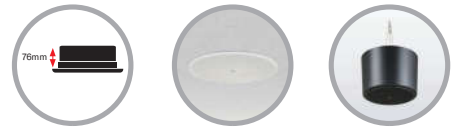


Featured Model



Featuring a newly designed speaker driver unit, optimally tuned for music playback, the VXC2F's super slim, lightweight construction and flexible design can easily adapt to the strictest installation limitations, ensuring superb audio performance wherever they're placed. It allows you to streamline the installation process and seamlessly integrate high-quality audio into a restaurant, retail, or professional environment, which proves that style and substance aren't always mutually exclusive.

- Super Slim Back Can**
A back can less than 76.2mm/ 3 inches deep, which directly contributes to flexible installation.
- Streamlined Design**
Grilles with minimum rim width, available in black or white, and removable logo.
- Pendant-mount Option**
Suspension hardware and loudspeaker cosmetic cover designed for hanging from open ceilings.



Recommended Subwoofer: VXC8S

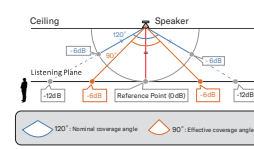
Yamaha also offers an in-ceiling subwoofer that ideally matches for VXC series speakers, smoothly extending the low frequency range with superb sonic quality without spoiling interior design.



Tips for System Design & Installation

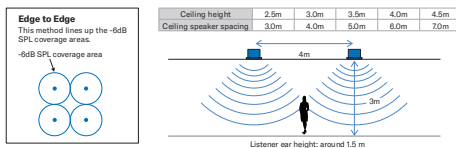
Speaker Layout

It is important to note that the nominal coverage angle listed in ceiling speaker specifications is not the same as the speaker's actual effective coverage angle. SPL at the nominal coverage angle is 6dB lower than the on-axis SPL, measured at a constant distance from the speaker. The effective coverage angle is defined as the angle at which the SPL is 6dB lower than the on-axis SPL at the listening plane. The effective coverage angle is usually about 70-80% of the nominal coverage angle.



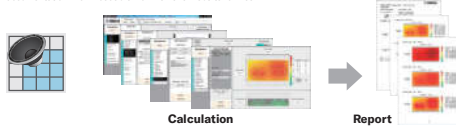
Legend: 90° : Nominal coverage angle, 60° : Effective coverage angle

A number of methods can be employed when laying out speaker coverage areas. The "Edge to Edge" method is normally used for background music systems. The chart lists approximate coverage areas at a number of ceiling heights for standing listeners (listener ear height = around 1.5 meters). If the ceiling height is 3 meters, the coverage area will be approximately 4 meters. In this case a ceiling speaker spacing of 4 meters will provide uniform coverage with minimal volume variation.



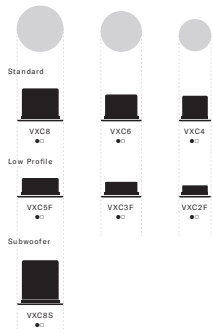
CISCCA

CISCCA, the Commercial Installation Solutions Speaker Calculator, is a Yamaha's dedicated software application that rapidly calculates the number of speakers required for optimum performance in installations, based on the size of the room, type of system, type of speakers, and speaker layout pattern. Output also includes an estimate of effective sound pressure level. CISCCA also has a "Report" function that makes it easy to create documentation. Downloadable from Yamaha website for free.



In-ceiling Speakers/Subwoofers

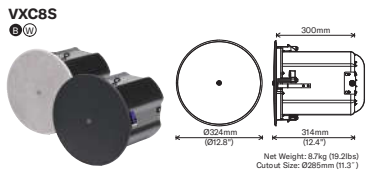
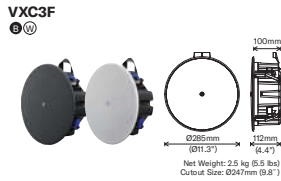
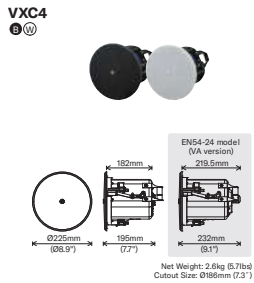
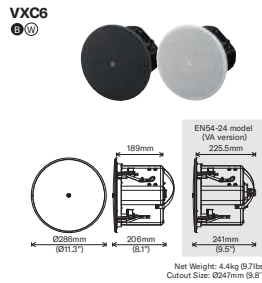
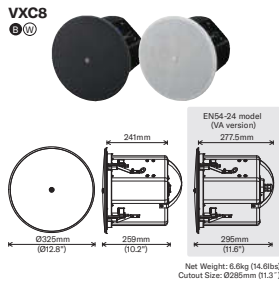
VXC SERIES



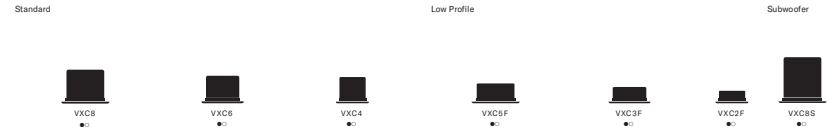
Recommended for
Background Music System



PRÉSENCE
www.presence.qc.ca
418.681.2470



Optional Accessories



VXC series	VXC8/VXC8W		VXC6/VXC6W		VXC4/VXC4W		VXC5F/VXC5FW		VXC3F/VXC3FW		VXC2F/VXC2FW		VXCBS/VXCBSW	
	VA version* (EN54-24 model)		VA version* (EN54-24 model)		VA version* (EN54-24 model)		VA version* (EN54-24 model)		VA version* (EN54-24 model)		VA version* (EN54-24 model)		VA version* (EN54-24 model)	
Speaker type	2-way, Acoustic suspension		2-way, Acoustic suspension		Full-range, Bass reflex		Full-range, Acoustic suspension		Full-range, Bass reflex		Full-range, Bass reflex		Subwoofer, Band pass	
Component	LF, HF		LF, HF		LF, HF		LF, HF		LF, HF		LF, HF		LF, HF	
Crossover frequency	1" / 6.5"		1" / 6.5"		4" / 16"		4" / 16"		4" / 16"		4" / 16"		4" / 16"	
Frequency range (10dB)	55Hz - 20kHz		55Hz - 20kHz		80Hz - 20kHz		60Hz - 20kHz		7Hz - 20kHz		67Hz - 20kHz		44Hz - 20kHz	
Nominal coverage (Conical)	100°		110°		130°		130°		140°		160°		160°	
Power rating	90W		70W		30W		40W		20W		10W		100W	
Peak	180W		150W		60W		80W		40W		20W		200W	
Nominal impedance	80		80		80		80		80		80		80	
Transformer tap	100V		60W, 30W, 15W		60W, 30W, 15W		30W, 15W, 7.5W		30W, 15W, 7.5W		15W, 7.5W, 3.8W		15W, 7.5W, 3.8W, 1.9W	
Sensitivity (1W, 1m)	90dB SPL (Half-space)		89dB SPL (Half-space)		86dB SPL (Half-space)		86dB SPL (Half-space)		87dB SPL (Half-space)		86dB SPL (Half-space)		86dB SPL (Half-space)	
Peak (Calculated, 1m)	116dB SPL		114dB SPL		108dB SPL		111dB SPL		109dB SPL		106dB SPL		104dB SPL	
I/O connectors	Euroblock (4 pin)		Ceramic terminal block		Euroblock (4 pin)		Ceramic terminal block		Euroblock (4 pin)		Ceramic terminal block		Euroblock (4 pin)	
Magnetically shielded	No													
Overload protection	Full-range power limiting to protect network and transducers													
Enclosure material	Steel		Steel		Steel		ABS (UL94 V-0)		ABS (UL94 V-0)		Steel		Steel	
Grille material	HIPS		HIPS		HIPS		HIPS		HIPS		ABS (UL94 V-0)		ABS (UL94 V-0)	
Finish	Black model		White model		Munsell NB.9/RAL9010 (approx.)		Munsell NB.9/RAL9010 (approx.)		Munsell NB.9/RAL9010 (approx.)		Munsell NB.9/RAL9010 (approx.)		Munsell NB.9/RAL9010 (approx.)	
Dust and water resistance (IP rating)	IP32		IP32		IP32		IP32		IP32		IP32		IP32	
Dimensions	Ø325mm (12.8") x D259mm (10.2")		Ø285mm (11.3") x D225mm (8.9")		Ø225mm (8.9") x D195mm (7.7")		Ø225mm (8.9") x D232mm (9.1")		Ø234mm (9.2") x D143mm (5.7")		Ø285mm (11.3") x D112mm (4.4")		Ø225mm (8.9") x D134mm (5.3")	
Net weight	6.6kg (14.6lb)		4.4kg (9.7lb)		2.6kg (5.7lb)		2.6kg (5.7lb)		3.1kg (6.8lb)		2.5kg (5.5lb)		1.7kg (3.7lb)	
Certificate	UL1480, UL2043, NFPA70, CE, EAC, RoHS		UL1480, UL2043, NFPA70, CE, EAC, RoHS		EN54-24, CE, RoHS		UL1480, UL2043, NFPA70, CE, EAC, RoHS		EN54-24, CE, RoHS		UL1480, NFPA70, CE, EAC, RoHS		EN54-24, CE, RoHS	
EN54-24 DoP number	0389-CPR-00405		0389-CPR-00405		0389-CPR-00405		0389-CPR-00405		0389-CPR-152190027		0389-CPR-152190028		0389-CPR-152190028	

* VA versions are not available in some regions.

