

Overview

The CXR12 mk3 is a 2-way loudspeaker that delivers a perfect balance of size and performance, offering exceptional clarity, precision, and powerful output capability. Ideal for front-of-house use, floor monitoring applications, or even stage side fills— the CXR12 mk3 is an excellent choice for a wide range of sound reinforcement needs.



Features

- 12" LF + 1.75" HF proprietary high-durability speaker units
- The large-diameter horn secures directivity control across a wide frequency range
- Optimized port positioning reduces standing wave effects
- Lightweight, high-performance, form-injection molded enclosure with a symmetrical, functional design
- Optional UB-DXR12A U-bracket allows both for vertical or horizontal use
- Optional SPCVR-DXR123 speaker cover protects speakers from rigors of equipment transport, lengthy storage, or outdoor performances
- Rigging points for use with eye bolts
- Dual-angle pole sockets offer both 0° or a -7° down tilt

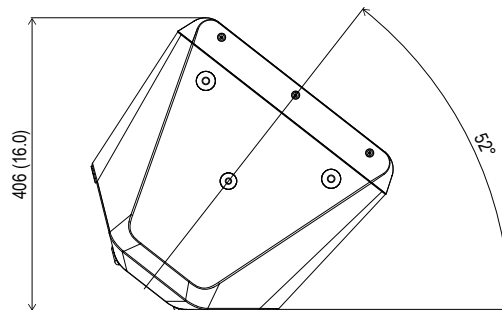
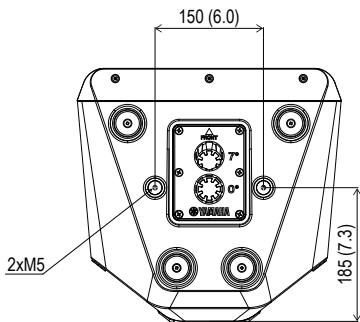
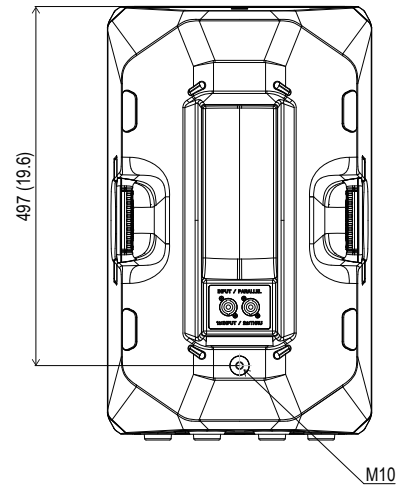
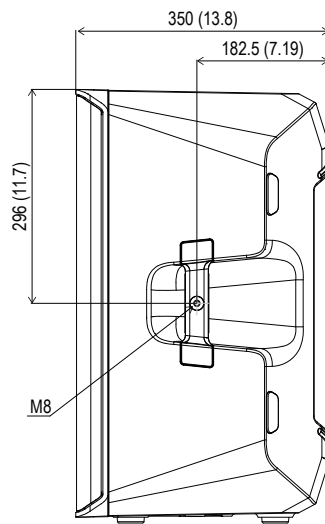
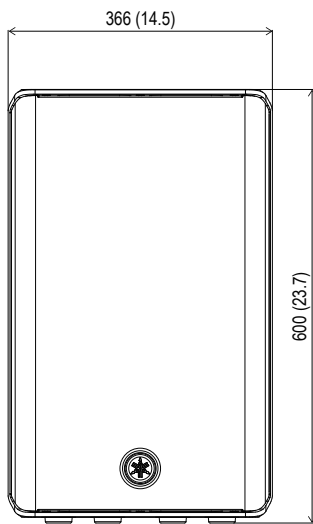
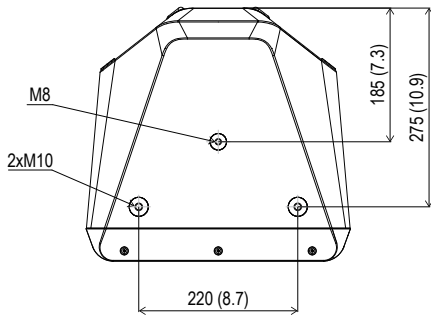
Specifications

General Specifications

Speaker type	2-way Speaker, Bass-reflex	
Frequency range (-10dB)	51 Hz - 20 kHz	
Coverage area	H90° x V60°	
Crossover	1.9k Hz	
Nominal impedance	8Ω	
SPL	Sensitivity (1W; 1m on axis)	94 dB SPL
	Peak (Calculated)	124 dB SPL
Components	LF	Diameter: 12" cone, Voice Coil: 2.5"
	HF	Diaphragm: 1.75", Type: 1" throat compression driver
Power rating	NOISE	275 W
	PGM	550 W
	PEAK	1100 W
I/O connectors	SpeakON NL4MP x 2 (parallel connected)	
Cabinet material	Plastic (PP)	
Finish	Black	
Handle	Side x2	
Pole socket	Φ35 mm x2 (Bottom, 0° or -7°)	
Rigging	Top x 2, Rear x 1 (Fit for M10 x 18 mm Eyebolts), Bottom x2, Side x 2 (Fit for M8 x 25 mm UB-DXRDR12A)	
Floor Monitor Angle	52°	
Dimensions	W	366 mm (14.4")
	H	600 mm (23.6")
	D	350 mm (13.8")
Net weight	15.4 kg (34.0 lbs)	
Options	U-bracket: UB-DXRDR12A, Cover: SPCVR-DXR123	

Dimensions

Unit: mm (inch)



Options

- U-bracket UB-DXRDHR12A
- Cover SPCVR-DXR123

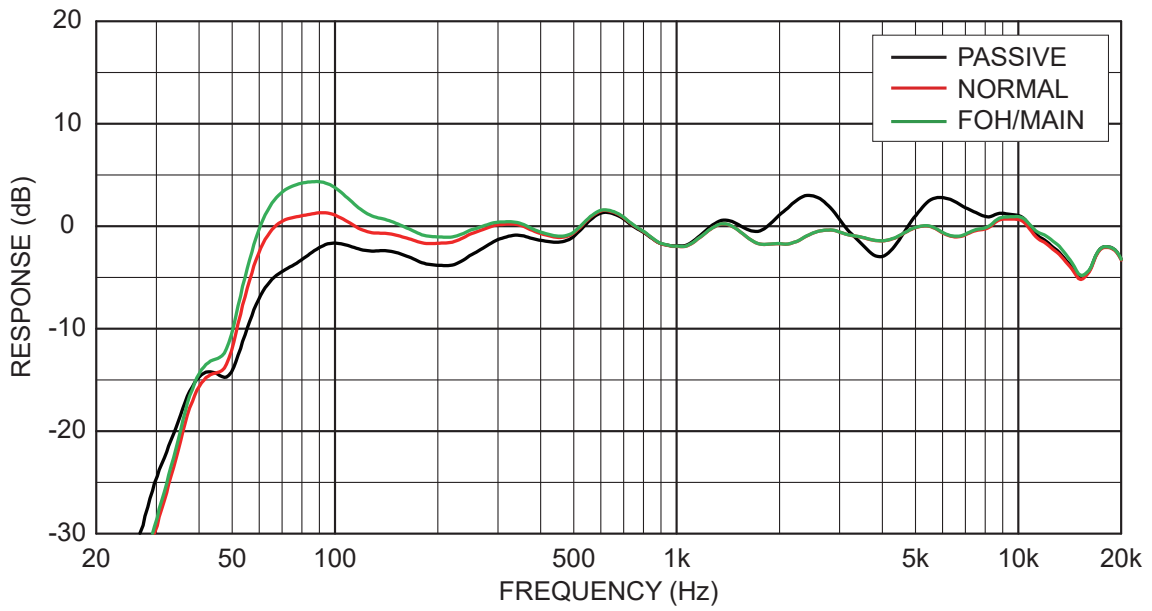
Architectural and Engineering Specifications

The Yamaha CXR12 mk3 shall be a full-range 2-way loudspeaker for sound reinforcement applications, with a bass-reflex type of cabinet. The loudspeaker shall have one 12" cone low-frequency transducer with a 2.5" voice coil, and one 1" throat high-frequency compression driver with a 1.75" polyimide diaphragm. The crossover frequency shall be 1.9 kHz. The loudspeaker shall be capable of meeting the following performance criteria: reproduction frequency range shall be 51 Hz to 20 kHz (-10 dB); nominal impedance of 8 Ω ; power ratings (IEC noise) of 275 W NOISE, 550 W PGM, 1100 W MAX; sensitivity of 94 dB SPL (1W, 1m) with a maximum SPL (calculated peak, 1m) of 124 dB SPL. Coverage angles shall be 90° horizontal and 60° vertical.

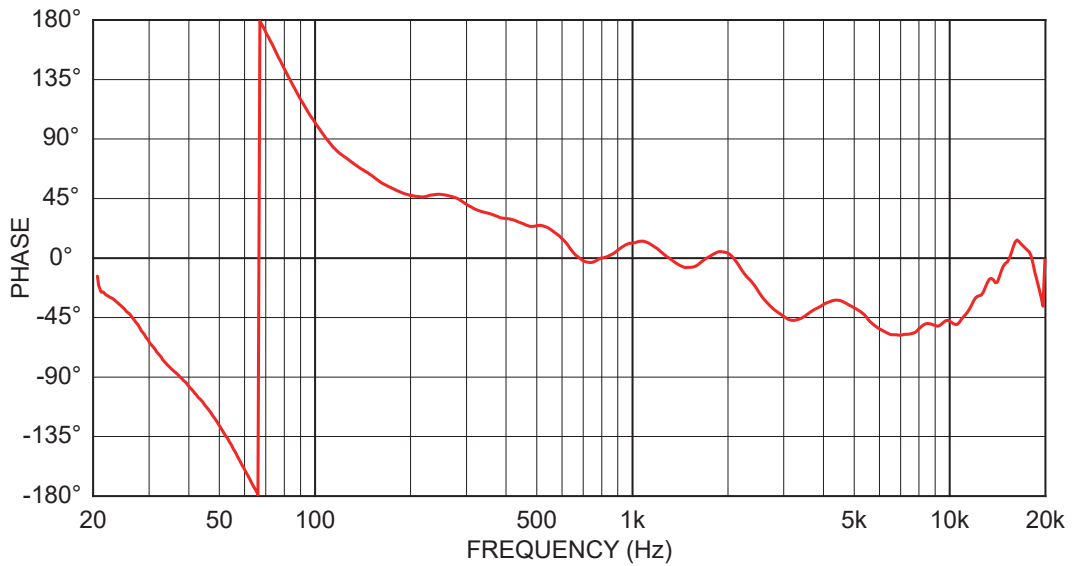
Two speakON NL4MP connectors shall be provided on the rear panel for audio input with wiring for a parallel connection.

The loudspeaker enclosure shall be constructed of form-injection molded black plastic, and shall allow for two angles of pole mounting as well as symmetrical floor monitor use, with a 52° angle. The front grille shall be made of black matte powder coated steel and shall not include any visible mounting screws on the front panel. Rigging points shall be provided for use with standard eyebolts, and optional U Brackets will offer a variety of mounting configurations. The loudspeaker cabinet shall include two handles for convenient lifting. The dimensions of the loudspeaker shall be 366 x 600 x 350 mm (W x H x D). The weight shall be 15.4 kg.

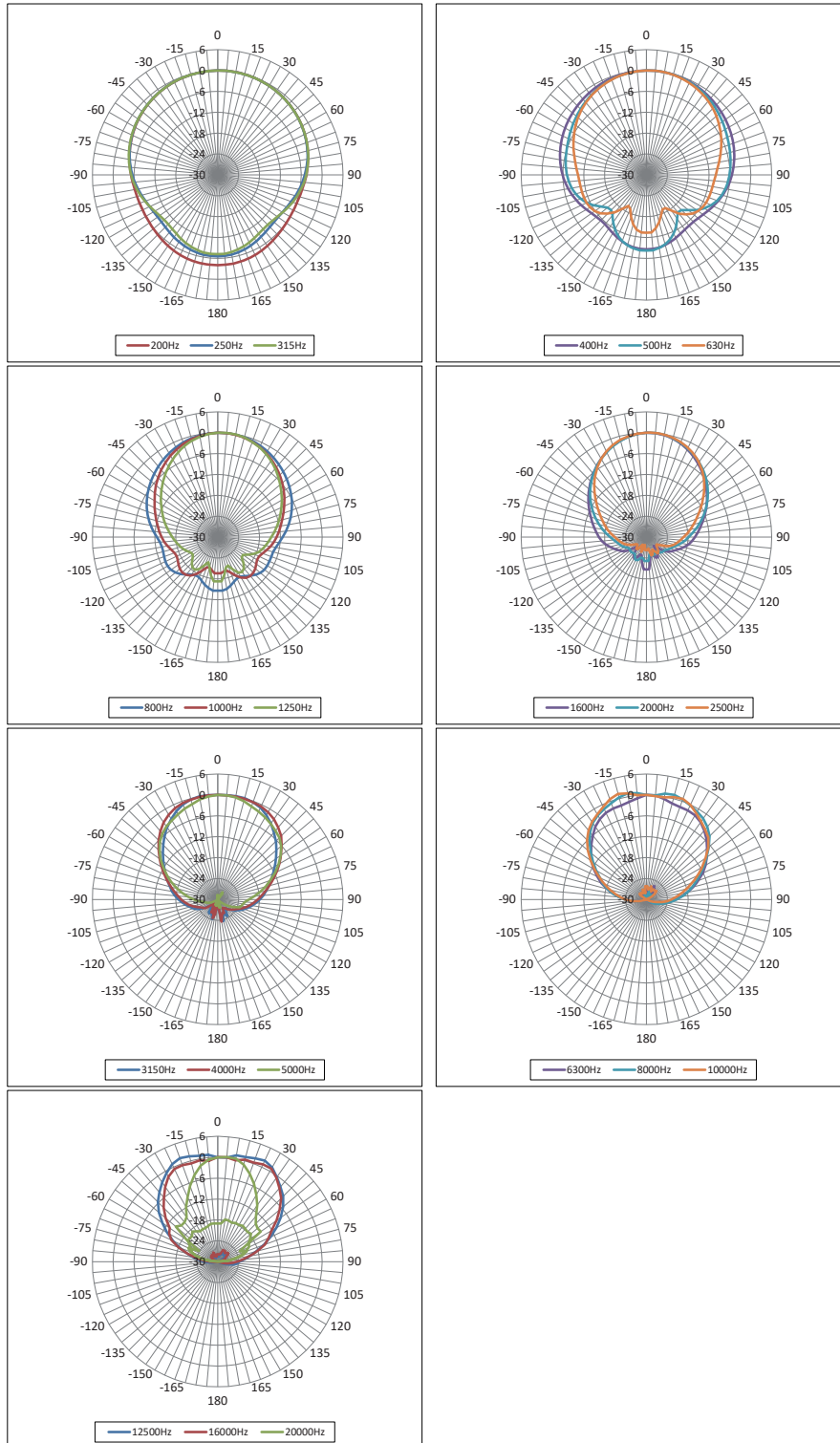
Frequency Response



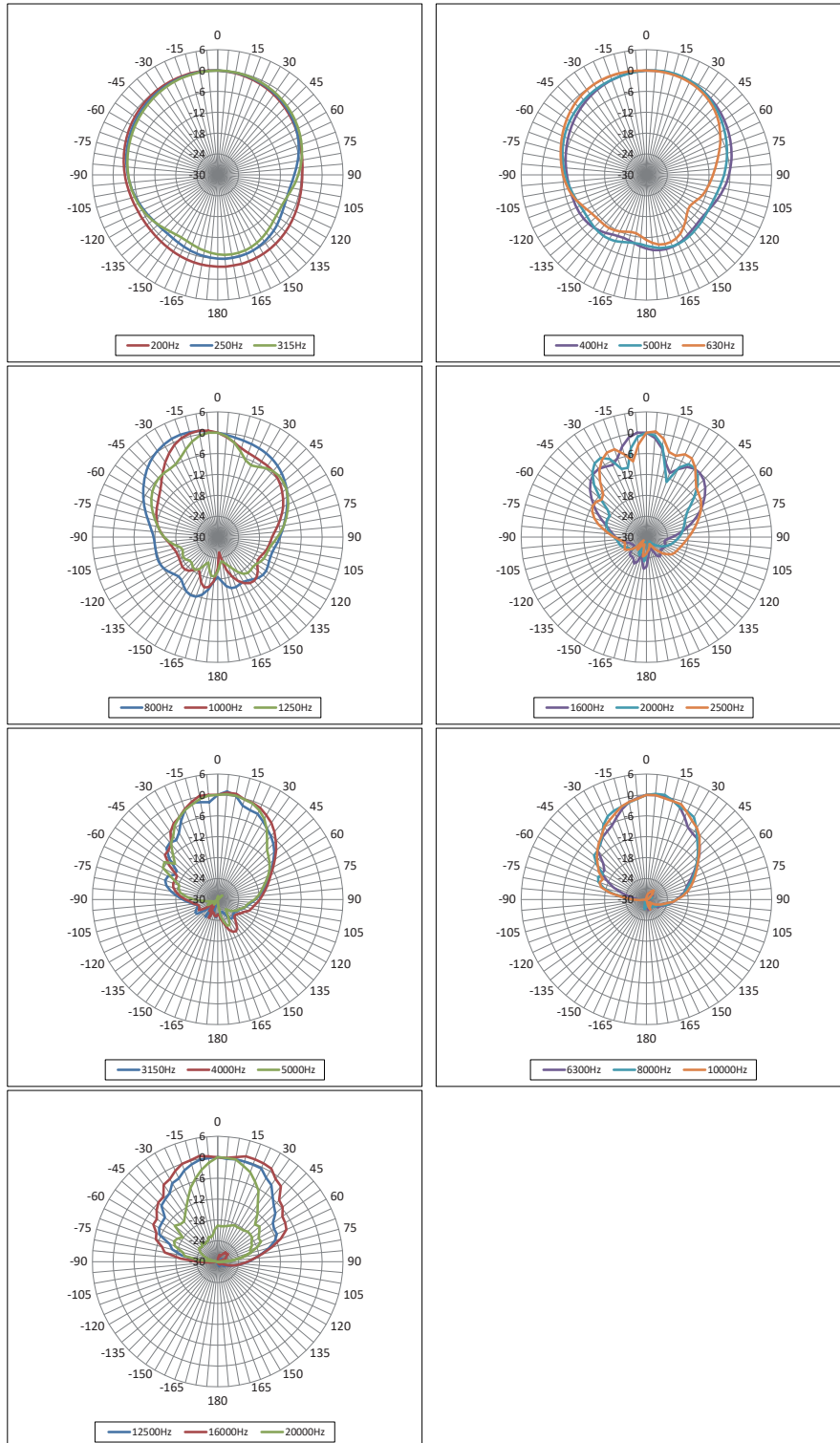
Phase Response



Horizontal Polar Plots



Vertical Polar Plots



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Created in April, 2026

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