

## Overview

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The CHR15M is a 2-way loudspeaker with a 15-inch woofer and a 1.75-inch HF driver in a space saving coaxial configuration, perfect for use as a floor monitor. Combining carefully selected and customized transducers with the same plywood construction found on Yamaha's high-end CZR Series, the CHR15M offers best-in-class sound quality and durability.



## Features

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- The coaxial driver delivers precise, smooth phase and frequency response characteristics ideal for use in monitoring applications
- Featuring a plywood cabinet that delivers a clear sound with minimal vibration
- Compact, low profile, plywood enclosure with a polyurea coating for a robust, scratch-resistant surface
- A pole socket for use on a stand
- Yamaha DSP equipped amplifiers or other compatible signal processors have dedicated speaker processor tuning settings to maximize system performance

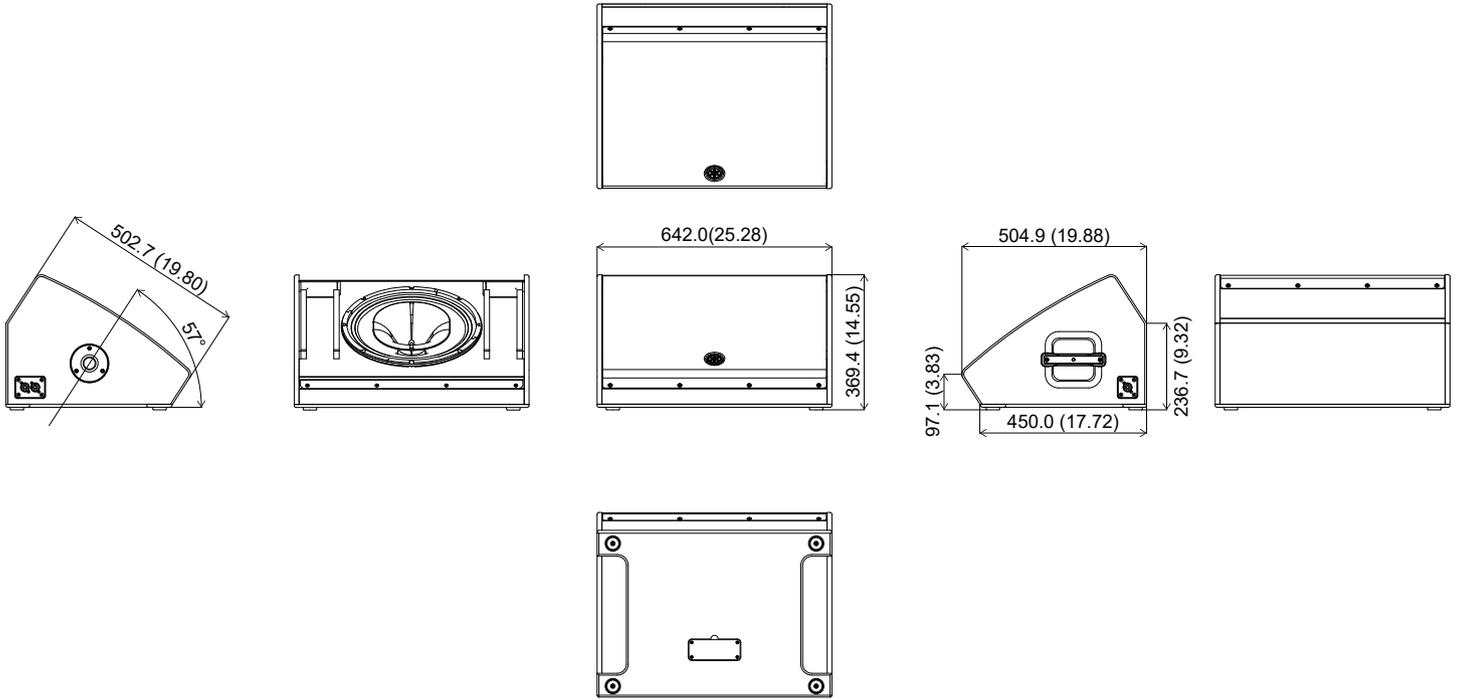
## Specifications

### General Specifications

System Type		2-way Speaker, Bass-reflex
Components	LF	Diameter: 15" cone, Voice Coil: 2.5", Magnet: Ferrite
	HF	Diaphragm: 1.75", Type: 1" throat coaxial compression driver, Magnet: Ferrite
Frequency Range (-10dB)		58Hz – 20kHz
Crossover		2.0 kHz
Coverage Angle (Horizontal x Vertical)		H65° x V75°
Nominal Impedance		8 Ω
SPL	Sensitivity (1W; 1m on axis)	95 dB SPL
	Peak (Calculated)	125 dB SPL
Power Rating	NOISE	275 W
	PGM	550 W
	PEAK	1,100 W
I/O Connectors		SpeakON NL4MP x 3 (Parallel)
Cabinet Material		Plywood
Finish		Durable Polyurea Painting, Black
Handle		Side x1
Pole Socket		φ35 mm x1 (Bottom)
Rigging		–
Floor Monitor Angle		57°
Dimensions (W x H x D) (with rubber feet)		642 mm x 369 mm x 505 mm (25.3" x 14.5" x 18.9")
Net Weight		21.3 kg (47.0 lbs)

## Dimensions

Unit: mm (inch)

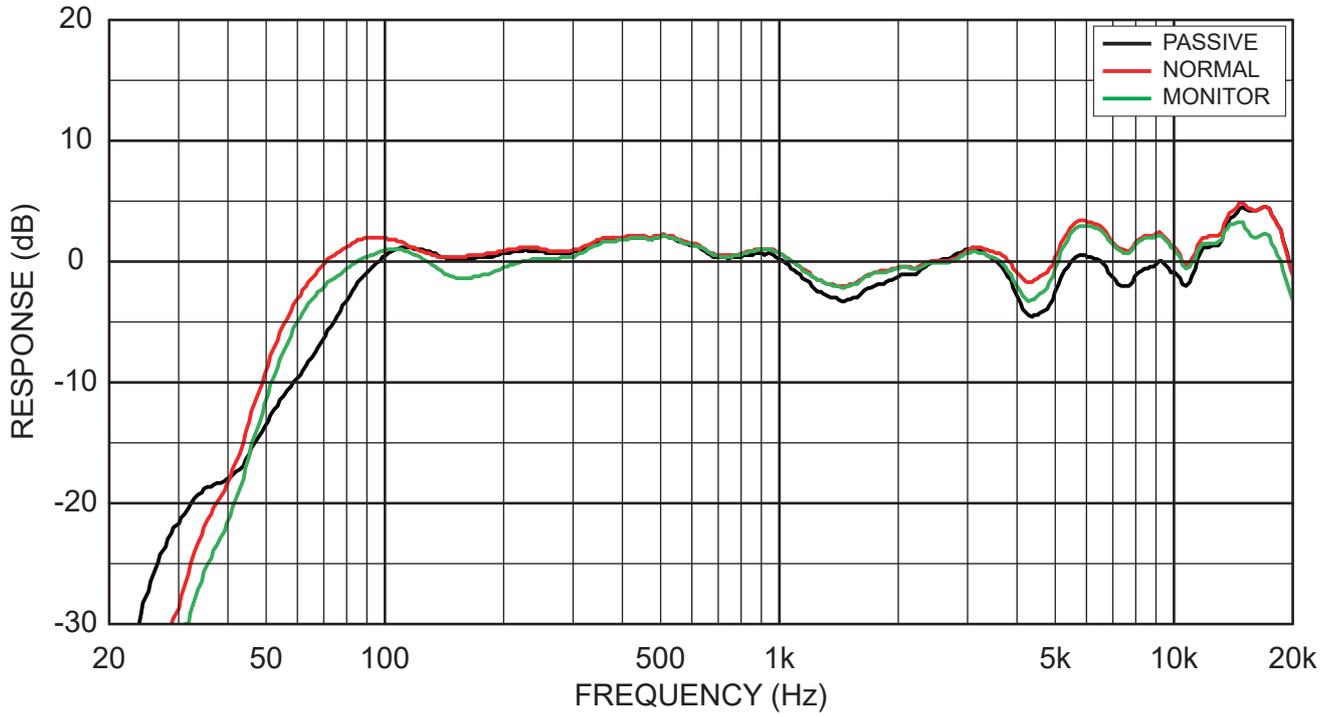


## Architectural and Engineering Specifications

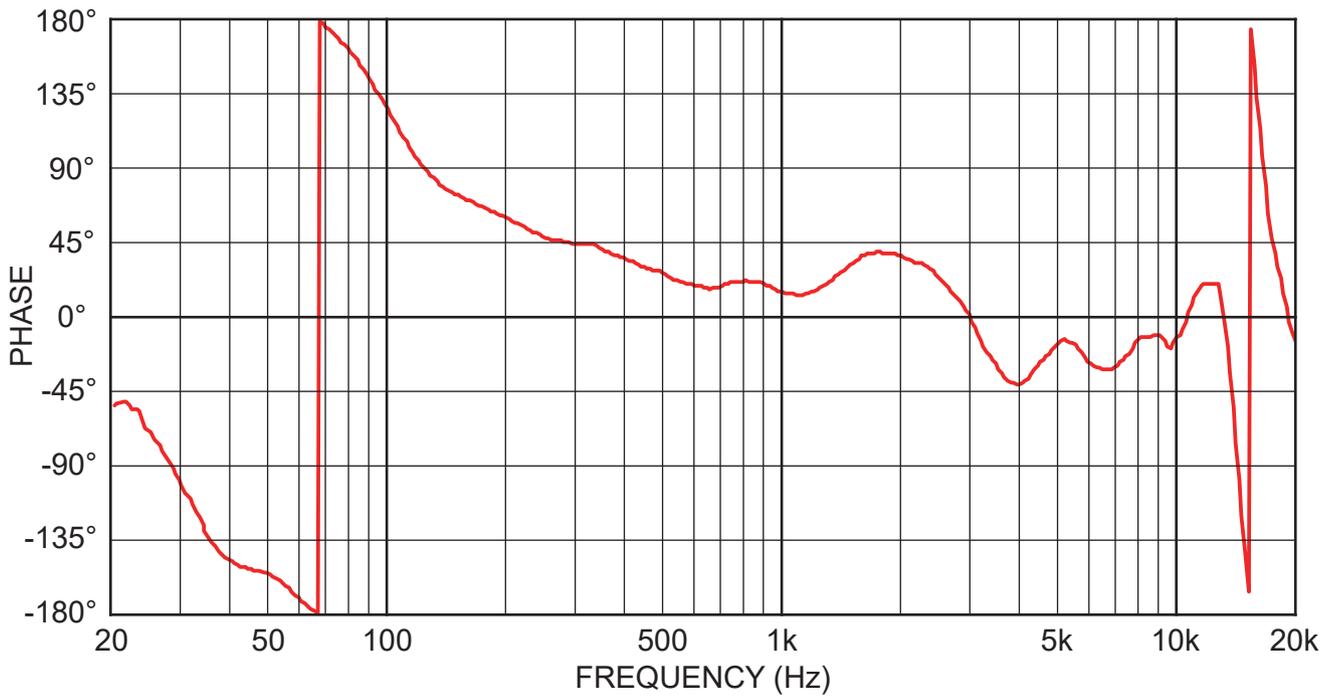
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The Yamaha CHR15M Loudspeaker shall be a two-way bass-reflex type full-range loudspeaker system having a single 15" cone driver with a 3" voice coil for the low frequencies and a 1.75" compression driver with a 1" throat for the high frequencies. The drivers shall be mounted in a coaxial configuration. The CHR15M Loudspeaker shall meet the following performance criteria: Sensitivity shall be 95dB SPL at 1 watt/1 meter, Maximum SPL shall be 125dB at 1 meter, frequency response shall be 50Hz to 20kHz at 10dB below rated sensitivity, the crossover frequency shall be 2kHz, and the nominal coverage angle shall be 65° horizontal and 75° vertical. Maximum power ratings shall be 275 watts noise, 550 watts program, and 1100 watts peak into 8 ohms. The loudspeaker shall have three parallel connected SpeakON (Neutrik NL4) connectors for input. The cabinet shall be constructed of wood with a durable black Polyurea coating. The cabinet shall have one side handle and shall be designed for floor monitor use with a 57-degree monitor angle. One 35mm pole socket shall be provided. Dimensions shall be 642 (W) x 369 (H) x 505 (D) mm. Weight shall be 21.3kg.

### Frequency Response

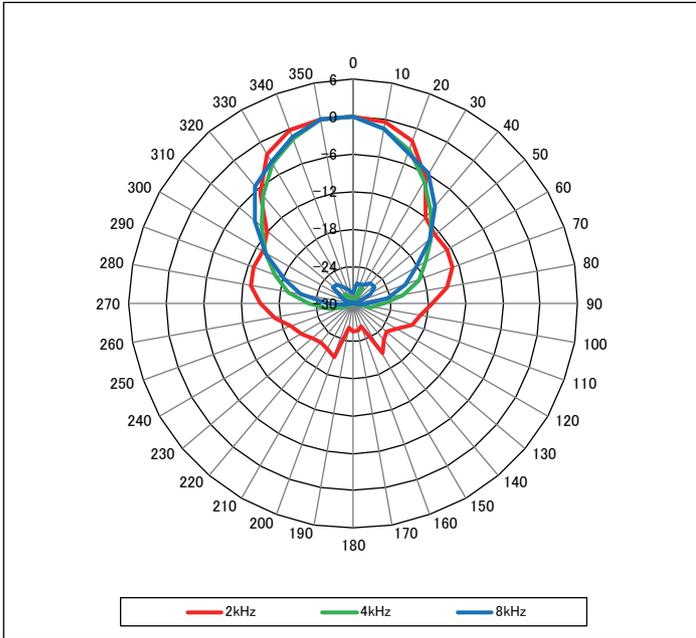


### Phase Response

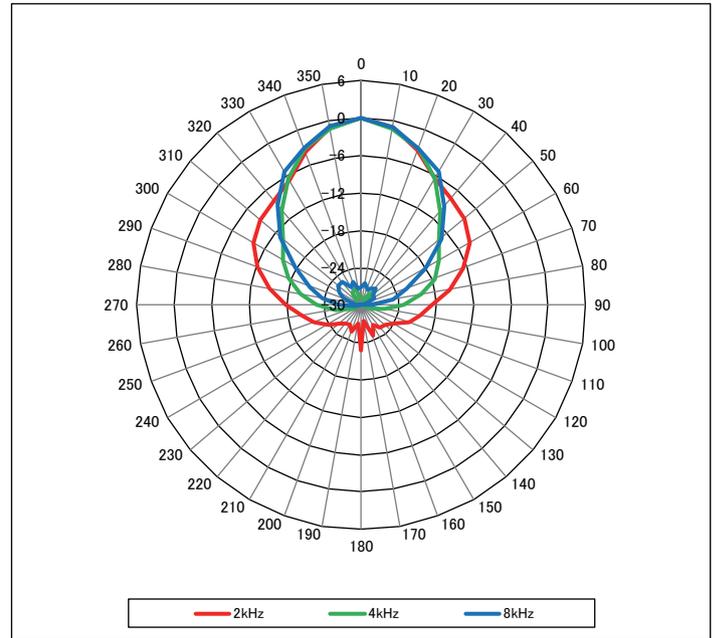


## Polar Plots

Horizontal



Vertical



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