MR 55

2 WAY REFLEX SPEAKER HIGH DEFINITION

DESCRIPTION

Careful acoustic design and the use of advanced materials contribute to the exceptional music fidelity and speech intelligibility exhibited by the RCF Monitor 55 (black)and Monitor 55W (white)twoway speaker systems.
The shielded low-frequency driver's carbon fiber diaphragm produces a linear response and low distortion. The high-frequency section features a 110 ºx 110 ºconstant directivity horn with a builtin mechanical phase equalizer. The horn is driven by a Ferrofluid ® cooled,0.75″ soft dome tweeter.

FEATURES

- Ideal for high quality paging and music reproduction
- Transducers LF 5″ - HF 0.75″ constant directivity tweeter
- Built-in low inductance passive crossover with high frequency dynamic protection
- bass reflex tuned at 65Hz
- Body in self-extinguishing plastic
- Includes hinged support for installation

TECHNICAL SPECIFICATIONS

Acoustical specifications	Frequency Response (-10dB):	55 Hz ÷ 25000 Hz
	Max SPL @ 1m:	110 dB
	Coverage angle:	110°
	System Sensitivity:	87 dB

Power section	Nominal Impedance (ohm):	4 ohm
	Power Handling:	175 W RMS
	Peak Power Handling:	700 W PEAK
	Recommended Amplifier:	350 W
	Crossover Frequencies:	3000 Hz

Transducers	Dome Tweeter:	0.75″
	Woofer:	5.0″

Input/Output section	Input connectors:	Push Type Terminals
	Output connectors:	Push Type Terminals

Standard compliance	CE marking:	Yes

Physical specifications	Cabinet/Case Material:	Plastic
	Grille:	Steel
	Color:	White

Size	Height:	270 mm / 10.63 inches
	Width:	187 mm / 7.36 inches
	Depth:	172 mm / 6.77 inches

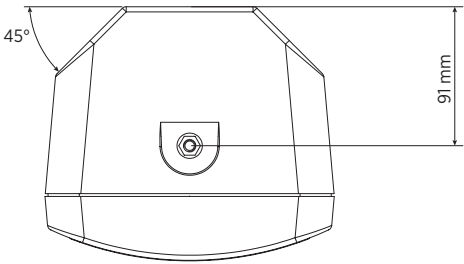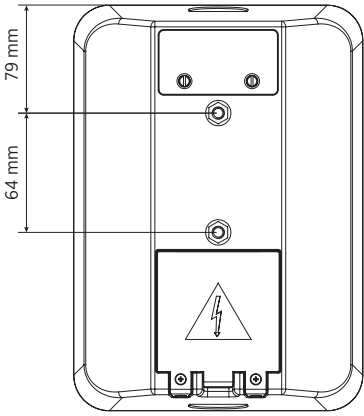| Shipping informations	Package Height:	380 mm / 14.96 inches
	Package Width:	260 mm / 10.24 inches
	Package Depth:	260 mm / 10.24 inches
	Package Weight:	4.65 kg / 10.25 lbs

PART NUMBER

- **13100017**
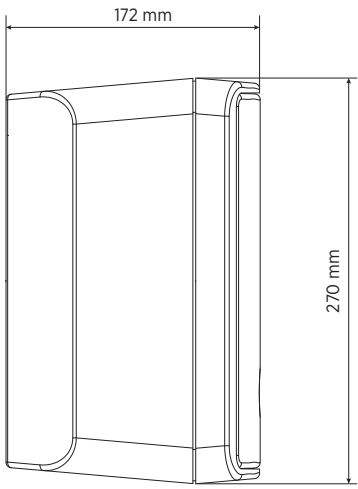 MR 55 W
  White
  EAN 8024530014292
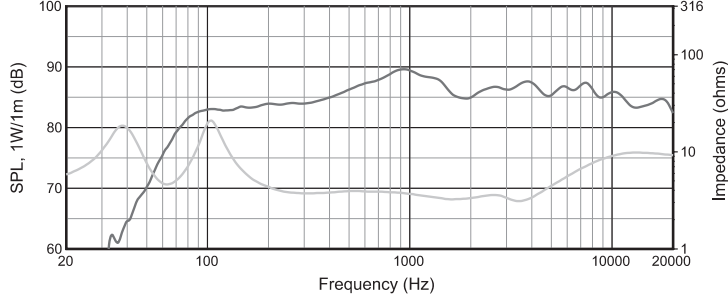
- **13100016**
  MR 55
  Black
  EAN 8024530014278

DRAWINGS

187 mm
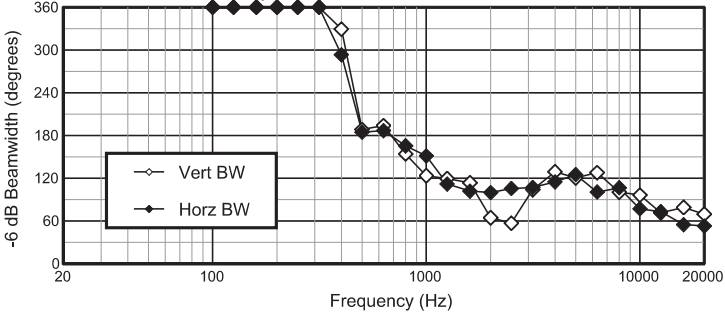
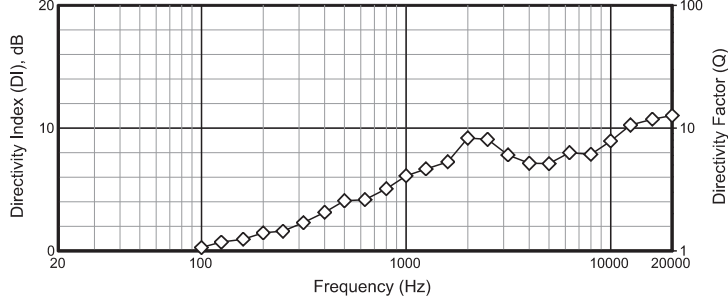172 mm

270 mm

79 mm

64 mm

45°

91 mm

Frequency response is measured on-axis at a distance referenced back to 1m at 1-watt drive. Shown as a half space (2) environment.
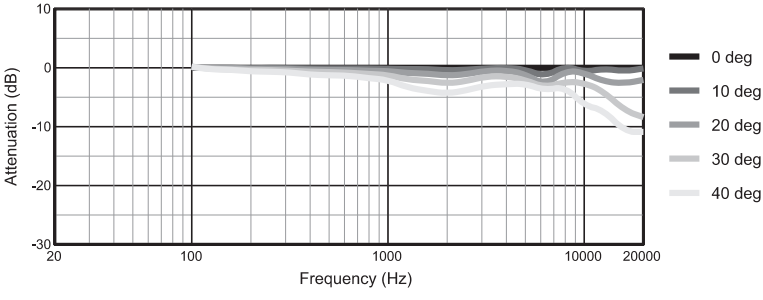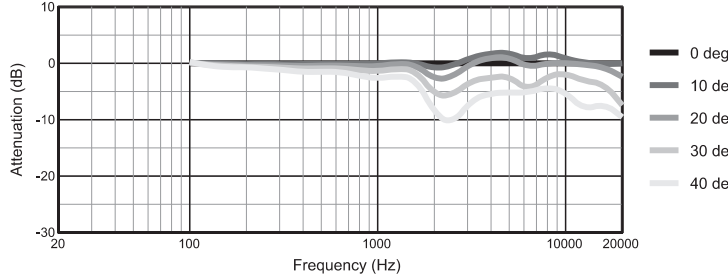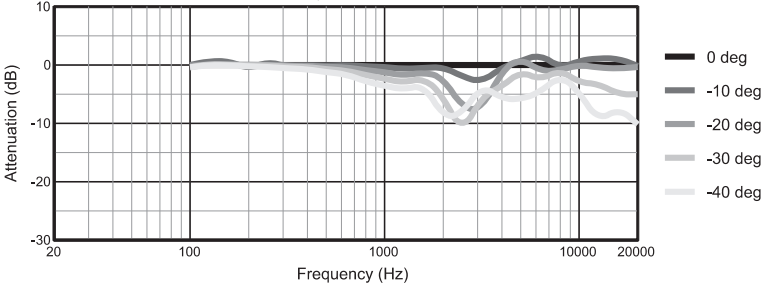
Beamwidth vs. Frequency

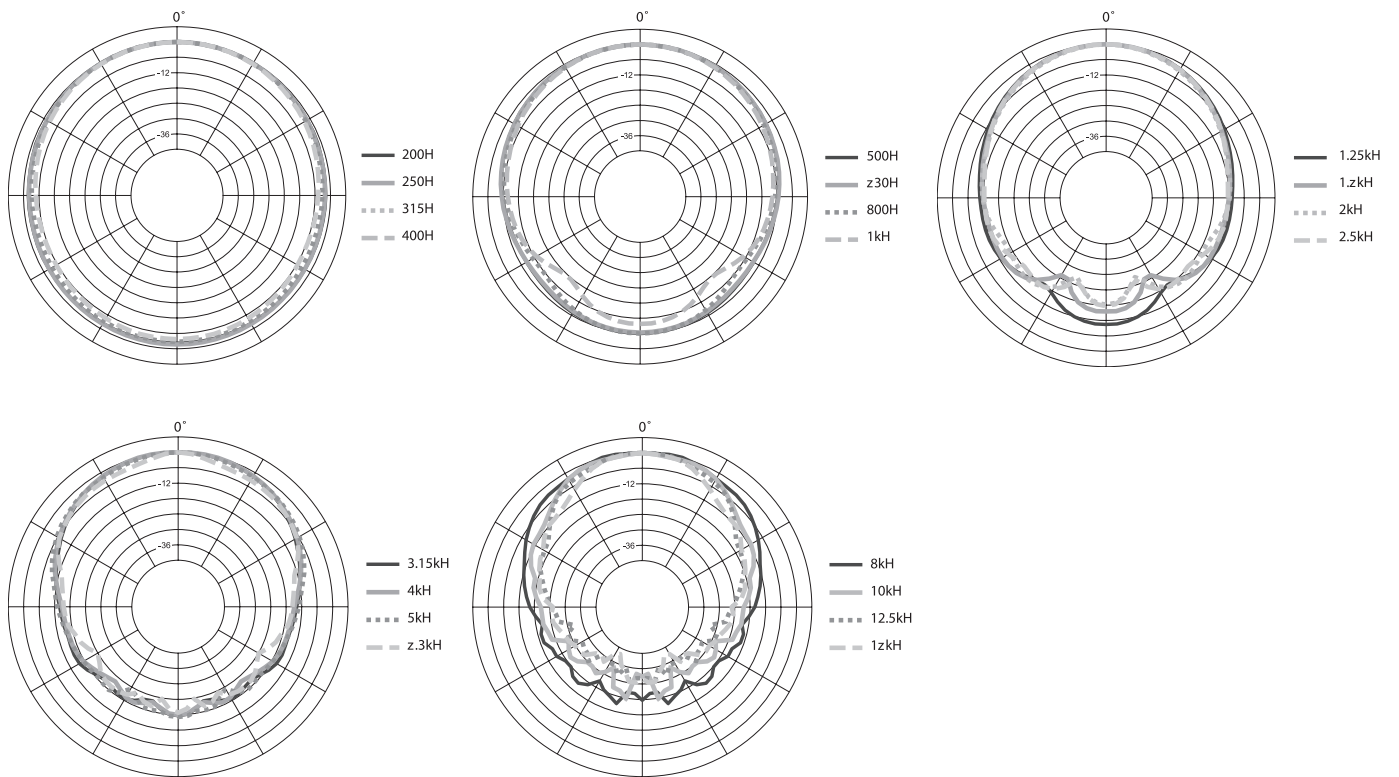## Directivity Index

Horizontal Off-Axis Frequency Response

Vertical Off-Axis Frequency Response (UP)

Vertical Off-Axis Frequency Response (DOWN)

Horizontal 1/3 Polar Plot

—— 200H	
—— 250H	
···· 315H	
– – 400H	

—— 500H	
—— z30H	
···· 800H	
– – 1kH	

—— 1.25kH	
—— 1.zkH	
···· 2kH	
– – 2.5kH	

—— 3.15kH	
—— 4kH	
···· 5kH	
– – z.3kH	

—— 8kH	
—— 10kH	
···· 12.5kH	
– – 1zkH	

Vertical 1/3 Polar Plot

—— 200Hz	
—— 250Hz	
···· 315Hz	
– – 400Hz	

—— 500Hz	
—— ˚30Hz	
···· 800Hz	
– – 1kHz	

—— 1.25kHz	
—— 1.˚ kHz	
···· 2kHz	
– – 2.5kHz	

—— 3.15kHz	
—— 4kHz	
···· 5kHz	
– – ˚.3kHz	

—— 8kHz	
—— 10kHz	
···· 12.5kHz	
– – 1˚ kHz	