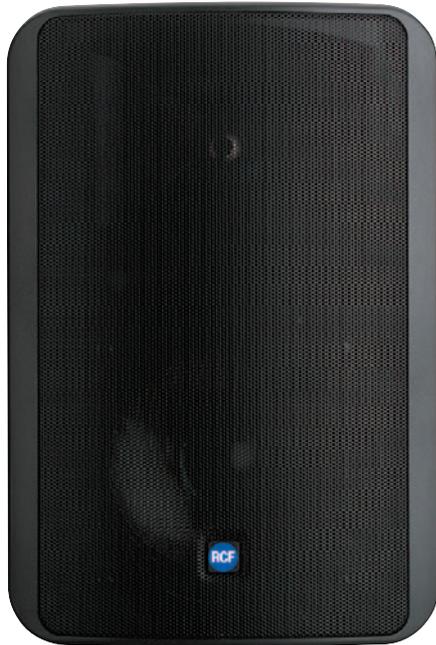


# MONITOR SERIES



## COMPACT FULL-RANGE SPEAKER

# 88 / 88W

The Monitor88 is the result of extensive research in the development of new transducers and crossover design. The result is a product with exceptional fidelity, the ability to produce deep controlled bass and extended high frequencies without sacrificing efficiency. The low-frequency 8" driver's low-mass, carbon fiber diaphragm remains extremely rigid at high power levels, producing a more linear response and lower distortion. The high-frequency section features a constant directivity horn with a built-in mechanical phase equalizer. The horn is driven by a Ferrofluid® cooled, 1" titanium dome tweeter. All components are housed in a vented enclosure formed from semi-expanded polystyrene foam. The speaker system is available in black (Monitor88) or white (Monitor88W).

### Applications

- Foreground/Background Music
- Distributed Speech Reinforcement
- AV Production/Playback
- Near-field Monitoring

### Features

- 8" cast aluminum basket, high-efficiency carbon fiber woofer
- 110° x 90° constant directivity horn with Ferrofluid® cooled, 1" titanium dome tweeter
- Built-in LICC low-inductance passive crossover with high frequency dynamic protection
- Lightweight, UV/weather resistant, high density polystyrene, trapezoidal shaped enclosure for multiple applications and minimum visual intrusion
- Integrated mounting points for use with optional mounting hardware

### SYSTEM

Freq. Range (-10 dB):	50Hz-21kHz
Freq. Response (-3 dB):	70Hz-20kHz
Horz. Coverage Angle (-6 dB):	110° averaged 800Hz to 16kHz
Vert. Coverage Angle (-6 dB):	80° averaged 800Hz to 16kHz
Directivity Factor; Q (DI):	6.5 (8.2) averaged 800Hz to 16kHz
System Sensitivity <sup>1</sup> :	91 dB, 1W @ 1m
Rated Maximum SPL:	120 dB, @ 1m
System Nominal Impedance:	8 Ω (bypassed)
System Input Power Rating <sup>2</sup> :	300W IEC, 1200W Peak
Recommended Amplifier <sup>3</sup> :	450 W
Constant Voltage:	-
Power Taps:	-
Crossover:	1,6kHz, 12 dB / oct.

### TRANSDUCERS

Low-Frequency:	8" (200mm) carbon fiber woofer with 1.5" (38mm) coil
High-Frequency:	Horn loaded 1" (25mm) titanium dome tweeter, Ferrofluid cooled

### PHYSICAL

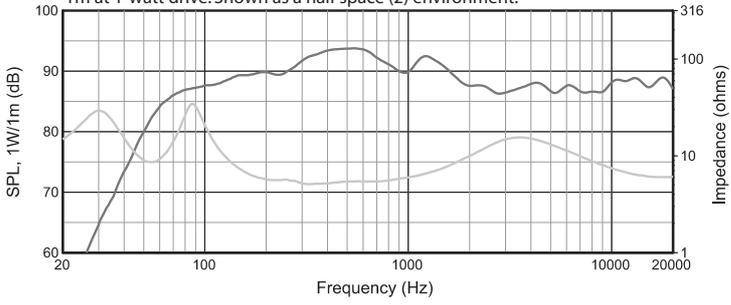
Enclosure:	45° back angles, high density polystyrene
Attachment Inserts:	2 points M6 threaded on back 2 points 3/8" threaded on top and bottom
Grille:	Matching perforated steel grille
Input Connectors:	Push connector plate
Dimensions (HxWxD):	11.41"x16.93"x10.24" (290x430x260 mm)
Net Weight:	21.60 lb. (9,8 kg)

<sup>1</sup> Measured on axis in the far field with 1 watt (2.00 V RMS, 4) input and referenced to 1 meter distance using the inverse square law. Listed sound pressure represents an average from 300Hz to 3kHz.

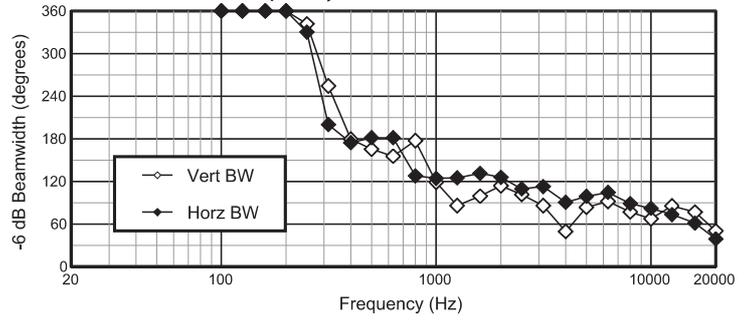
<sup>2</sup> IEC Spectrum, Peak for 2 hours with +4.5 dB crest factor.

<sup>3</sup> Recommended Amplifier is a power capability value that should be taken as a guide.

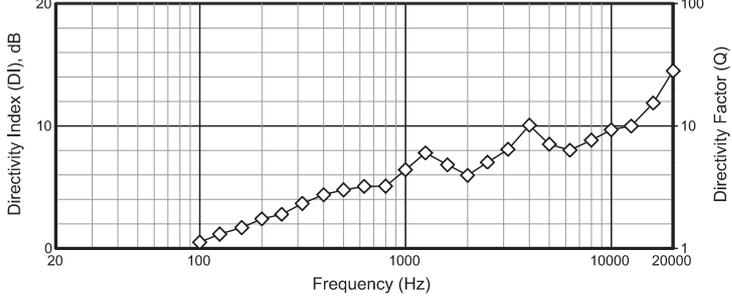
Frequency response is measured on-axis at a distance referenced back to 1m at 1-watt drive. Shown as a half space (2) environment.



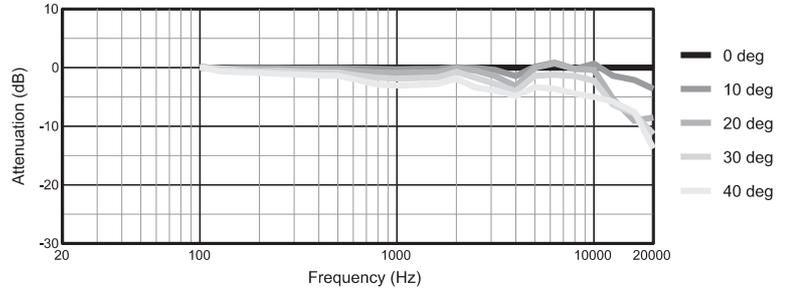
Beamwidth vs. Frequency



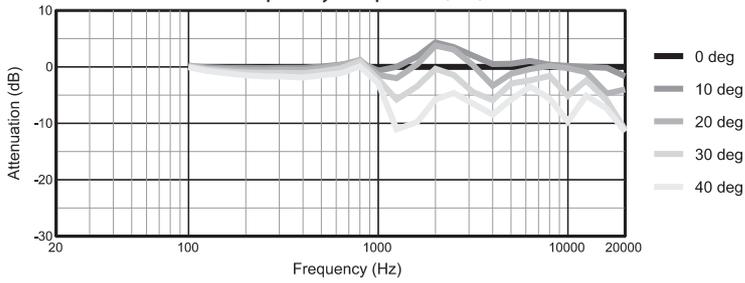
Directivity Index



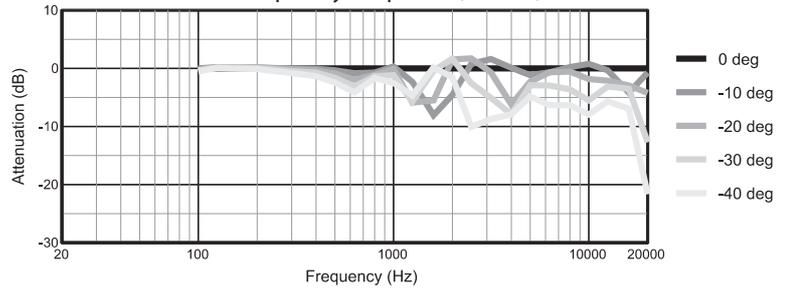
Horizontal Off-Axis Frequency Response



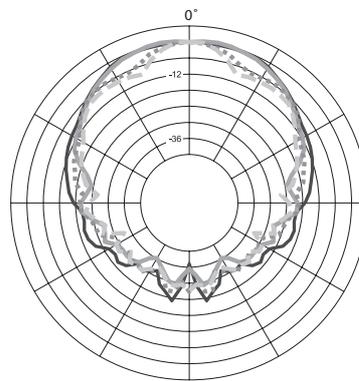
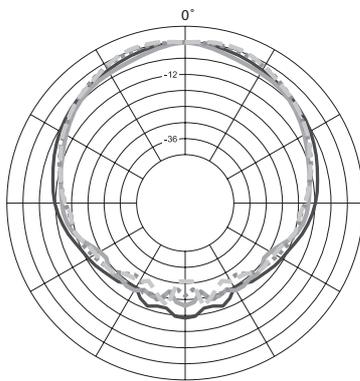
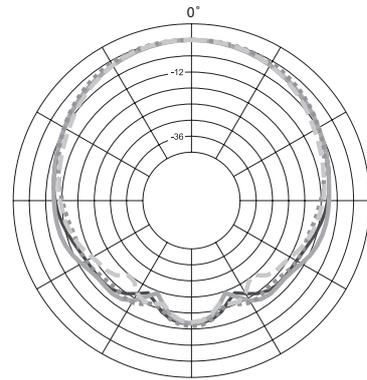
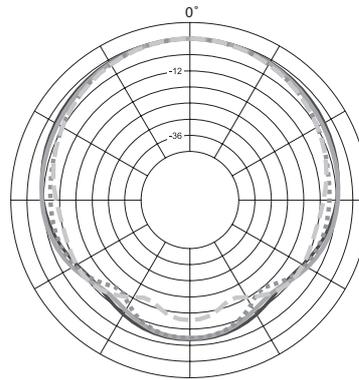
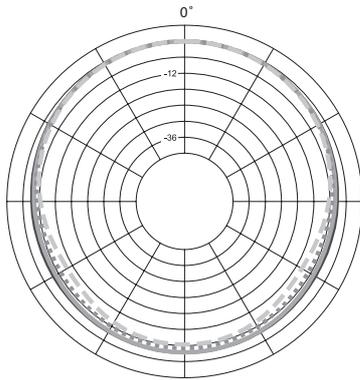
Vertical Off-Axis Frequency Response (UP)



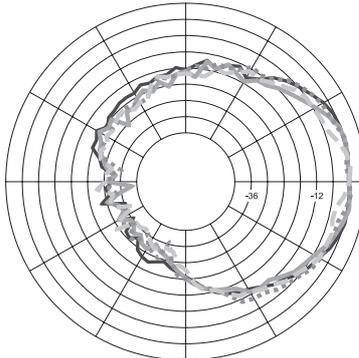
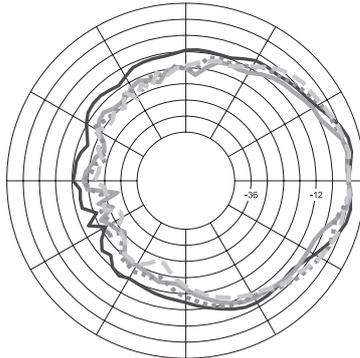
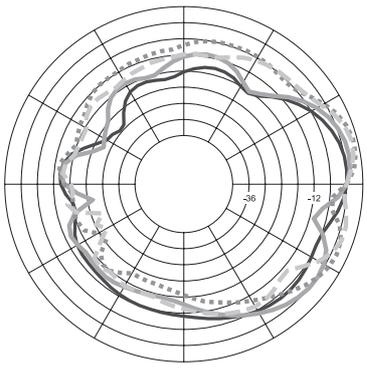
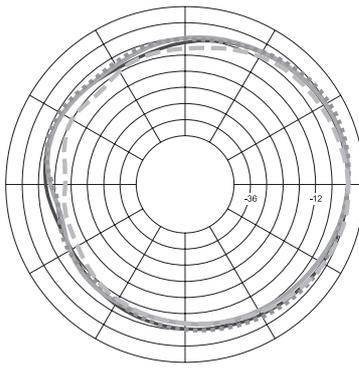
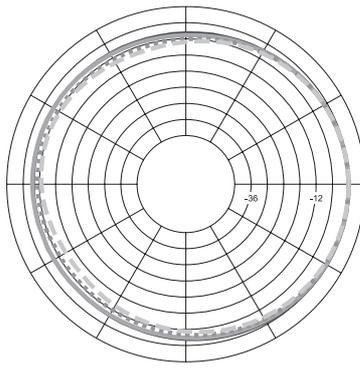
Vertical Off-Axis Frequency Response (DOWN)



### Horizontal 1/3 Polar Plot



### Vertical 1/3 Polar Plot



CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS (ALSO KNOWN AS "A&E SPECIFICATIONS")  
 The following are "Part 2 Products" CSI-type specifications. It is assumed that "Part 1 General – Administrative and Procedures" and "Part 3 Execution – Installation and Maintenance" are part of an overall audio system or project specification.  
**PART 2 PRODUCTS**

**2.01 Approved Manufacturer/Product**

**A. RCF, Via Raffaello 13, 42010 Mancasale, Reggio Emilia, Italy.**  
**B. Model number: Monitor 88**

**2.02 Design**

Configuration	Compact 2-Way Speaker
LF Sub-section	8" (200mm) carbon fiber woofer with 1.5" (38mm) coil
HF Sub-section	Horn loaded 1" (25mm) titanium dome tweeter, Ferrofluid cooled

**2.03 Acoustical Proprieties**

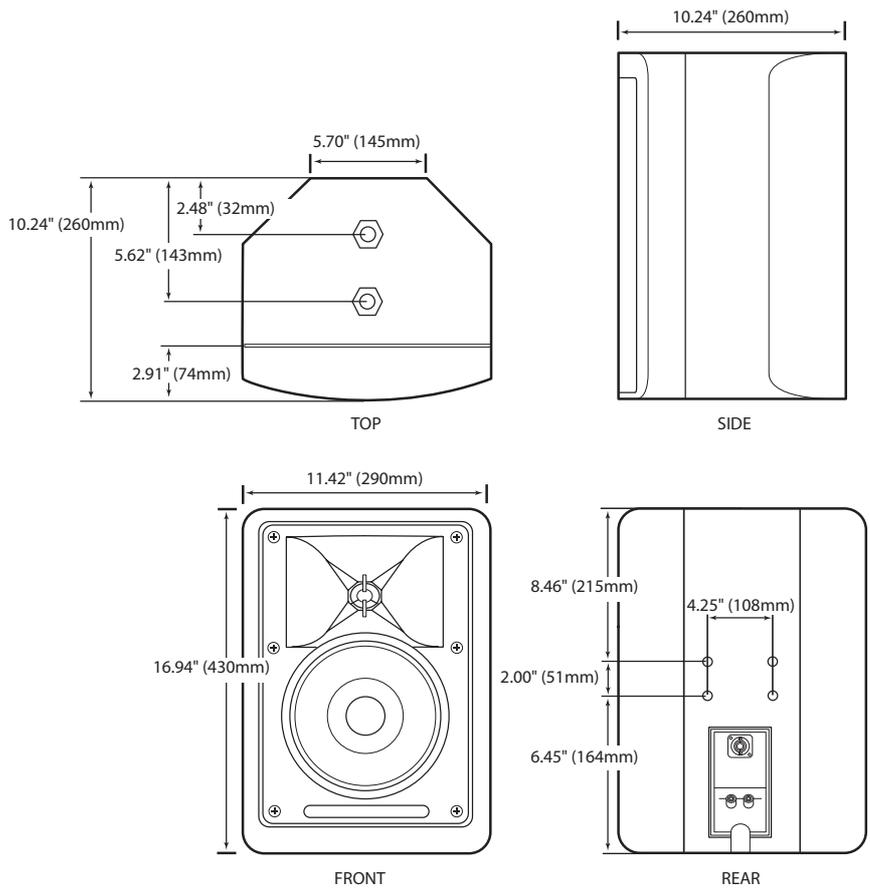
Nominal dispersion angle (-6 dB points):	Horizontal: 110° averaged 800 Hz to 16 kHz - Vertical: 80° averaged 800 Hz to 16 kHz
Axial Frequency Response (-3 dB points):	70 Hz – 20 kHz
Axial Frequency Range (-10 dB points):	50 Hz – 21 kHz
Axial Sensitivity (dB SPL/1 W @ 1 m):	91 dB
System Input Power Rating <sup>2</sup> :	300W IEC; 1200W Peak
Power Taps:	-
Constant Voltage Taps:	-
Nominal impedance:	8 Ω (bypassed)

**2.04 Physical Properties**

Enclosure Shape:	45° back angles
Enclosure Material:	High density polystyrene
Enclosure Finish:	Black (or white), scratch resistant paint
Connectors:	Push connector plate
Mounting/Suspension Hardware:	8 reinforced threaded metal sockets (3/8" and M6) for attaching optional mounting hardware
Grille:	Matching perforated steel grille
Dimensions (H x W x D):	11.41"x16.93"x10.24" (290x430x260 mm)
Weight:	21.60 lb. (9.8 kg)

**2.05 Accessories**

MA 8-2	Swivel mounting bracket for MR 88 and MR 88W.
MA 8-8	Adapter for one MR 88 - MR 88W on RCF floor speaker stand model SM



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