

# MR 44T

## 2 WAY REFLEX SPEAKERS 60 W WITH TRANSFORMER

### DESCRIPTION

Careful acoustic design and the use of advanced materials contribute to the exceptional music fidelity and speech intelligibility exhibited by the RCF Monitor 44T (black) and Monitor 44/WT (white) two-way speaker systems.

The carbon fiber diaphragm remains extremely rigid at high power levels, producing a more linear response and lower distortion. The cone is fitted with a durable foam surround and treated to resist moisture. The high-frequency section features a constant directivity horn with a built-in mechanical phase equalizer. The horn is driven by a Ferrofluid® cooled, 0.5" mylar dome tweeter. The system is nominally crossed over at 4 kHz by a 12 dB/octave network, which uses markedly lower (than conventional) inductance values in series with the woofer. This design reduces sound delays associated with high inductance values and provides excellent low frequency transient response. The high-pass section is corrected for optimum performance of the CD horn and is protected with a circuit based on a low-value/low-mass filament resistor that smoothly limits the power sent to the tweeter



### FEATURES

- Ideal for high quality paging and music reproduction
- Low impedance (40 - 60W) or 100V operating mode
- Transducers LF 5" - HF 0.5" constant directivity tweeter
- Built-in low inductance passive crossover with high frequency dynamic protection, bass reflex Built-in low inductance passive crossover with high frequency dynamic protection, bass reflex @65Hz
- Body in self-extinguishing plastic
- Includes hinged support for installation

## TECHNICAL SPECIFICATIONS

### Acoustical specifications

Frequency Response (-10dB):	60 Hz ÷ 23000 Hz
Max SPL @ 1m:	108 dB
Coverage angle:	110°
System Sensitivity:	87 dB

### Power section

Nominal Impedance (ohm):	4 ohm
Power Handling:	60 W RMS
Peak Power Handling:	240 W PEAK
Recommended Amplifier:	120 W
Crossover Frequencies:	4000 Hz

### Transducers

Dome Tweeter:	0.5"
Woofers:	5.0"

### Input/Output section

Input connectors:	Push Type Terminals
Output connectors:	Push Type Terminals
Constant Voltage Transformer:	70/100 V
Power selection 1 (100 V):	40 W - 250 ohm
Power selection 2 (100 V):	30 W - 333 ohm
Power selection 3 (100 V):	20 W - 500 ohm
Power selection 4 (100 V):	10 W - 1000 ohm
Power selection 5 (100 V):	5 W - 2000 ohm

### Standard compliance

CE marking:	Yes
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### Physical specifications

Cabinet/Case Material:	Plastic
Hardware:	Wall mount bracket
Grille:	Steel
Color:	White - RAL 9003

### Size

Height:	270 mm / 10.63 inches
Width:	187 mm / 7.36 inches
Depth:	172 mm / 6.77 inches
Weight:	3.73 kg / 8.22 lbs

### 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:	4.54 kg / 10.01 lbs

## PART NUMBER

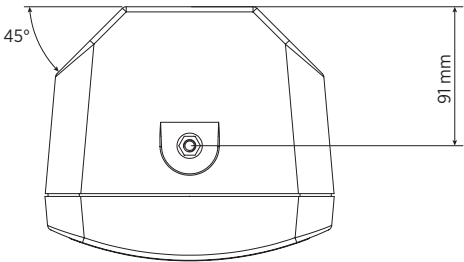
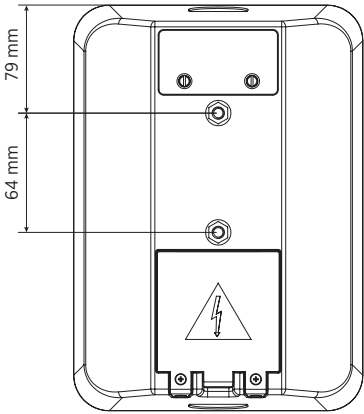
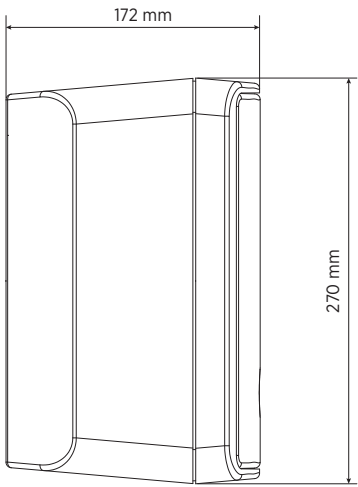
### • 13100015

MR 44T W  
White - RAL 9003  
EAN 8024530014285

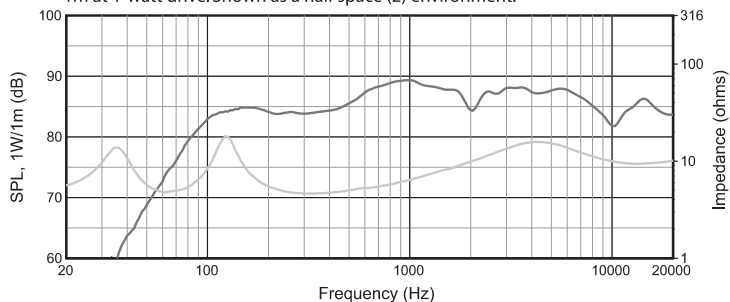
### • 13100014

MR 44T  
Black - RAL 9005  
EAN 8024530014261

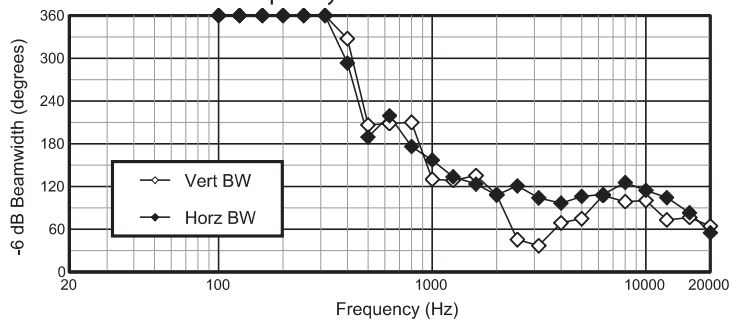
DRAWINGS



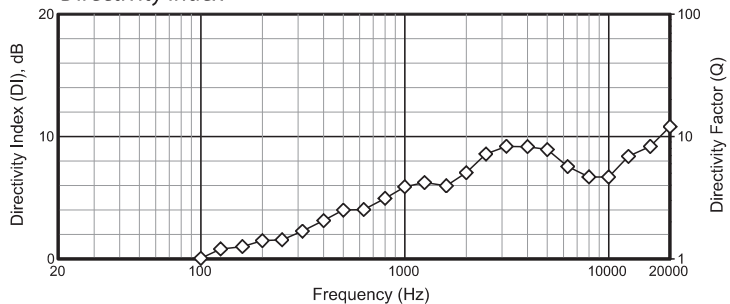
Frequency response is measured on-axis at a distance referenced back to 1m at 1-watt drive. Shown as a half space (2) environment.



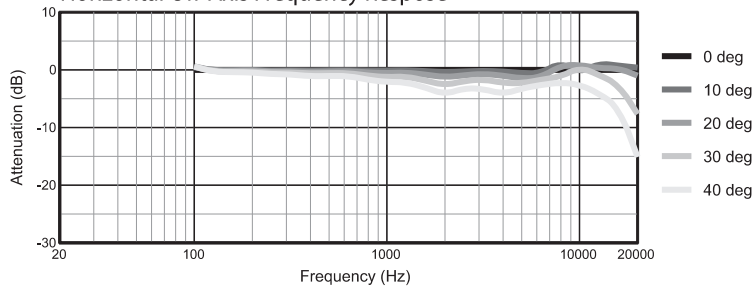
Beamwidth vs. Frequency



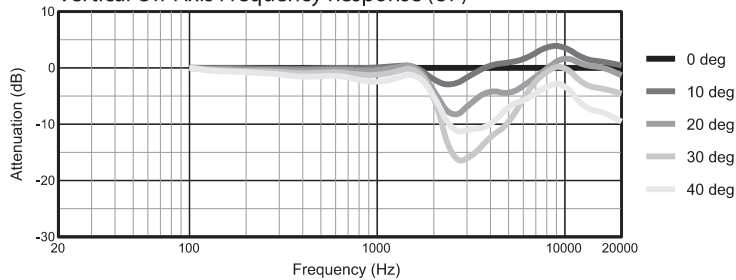
Directivity Index



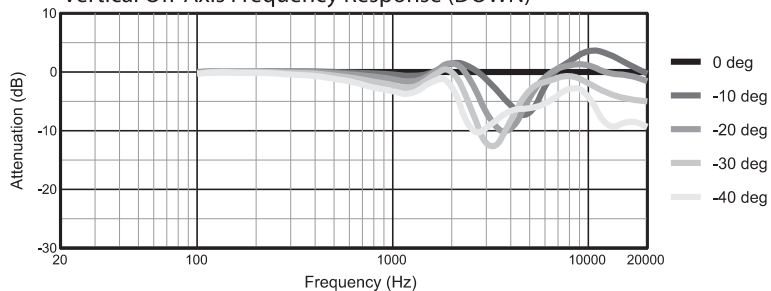
Horizontal Off-Axis Frequency Response



Vertical Off-Axis Frequency Response (UP)



Vertical Off-Axis Frequency Response (DOWN)



Horizontal 1/3 Polar Plot

