

# MQ 50C

## 2 WAY CEILING SPEAKERV

### DESCRIPTION

Compact design, light weight and limited depth makes the RCF MQ50C 2-way ceiling monitor loudspeakers ideal for use in any PA systems and background/foreground music systems where the good sound is required. The woofer is a high-excursion, PP coated paper cone - rubber surround design mounted in a tuned enclosure. The fabric dome tweeter is loaded on a constant Q wave guide to provide natural, smooth sound reproduction on a wide dispersion angle. Installation of the MQ50C is fast and efficient using the built in rotating hooks. No additional brackets or rings or other supports are required: thanks to its lightweight construction the speaker can be mounted as a conventional ceiling speakers. Connections are made to four polar loop thru Euroblock male and female to get parallel IN/OUT connection. Wattage taps and voltage adjustments together with 16-ohm operation are selectable by means of a Rotary switch, accessible under the frontal grill. The enclosure is constructed of high density UV resistant self-extinguishing polystyrene and includes a protective perforated steel grille. Back dome is made of aluminium.

### FEATURES

- Two way bass refl ex ceiling speaker for music reproduction
- Speaker: woofer 5" neodymium magnet tweeter 1" dome neodymium magnet
- Power/RMS: 120/60W Bypass
- Impedance: [Bypass] 16 Ω
- [70,7V]: 15W - 10W - 5W - 2.5 W
- Crossover frequencies: 3000 Hz, 12/12 dB/oct - High pass filter at 150 Hz
- Angle of coverage: 120° horizontal x 120° vertical
- Cabinet: Plastic material self-extinguishing, Tuned Alu-dome



## TECHNICAL SPECIFICATIONS

<b>Acoustical specifications</b>	Frequency Response (-10dB):	70 Hz ÷ 20000 Hz
	Frequency Response (-3dB):	90 Hz ÷ 18000 Hz
	Max SPL @ 1m:	112 dB
	Coverage angle:	120°
	System Sensitivity:	91 dB
<b>Power section</b>	Nominal Impedance (ohm):	16 ohm
	Power Handling:	30 W RMS
	Peak Power Handling:	120 W PEAK
	Recommended Amplifier:	60 W
	Crossover Frequencies:	3000 Hz
<b>Transducers</b>	Dome Tweeter:	1.0"
	Woofers:	5.0"
<b>Input/Output section</b>	Input connectors:	Euroblock
	Output connectors:	Euroblock
	Constant Voltage Transformer:	100 V
	Power selection 1 (100 V):	30 W - 333 ohm
	Power selection 2 (100 V):	20 W - 500 ohm
	Power selection 3 (100 V):	10 W - 1000 ohm
	Power selection 4 (100 V):	5 W - 2000 ohm
<b>Standard compliance</b>	CE marking:	Yes
<b>Physical specifications</b>	Cabinet/Case Material:	Plastic
	Grille:	Steel
	Color:	White - RAL 9003
<b>Size</b>	Depth:	156 mm / 6.14 inches
	Diameter:	266 mm / 10.47 inches
	Weight:	2.1 kg / 4.63 lbs
<b>Shipping informations</b>	Package Height:	235 mm / 9.25 inches
	Package Width:	310 mm / 12.2 inches
	Package Depth:	310 mm / 12.2 inches
	Package Weight:	2.99 kg / 6.59 lbs

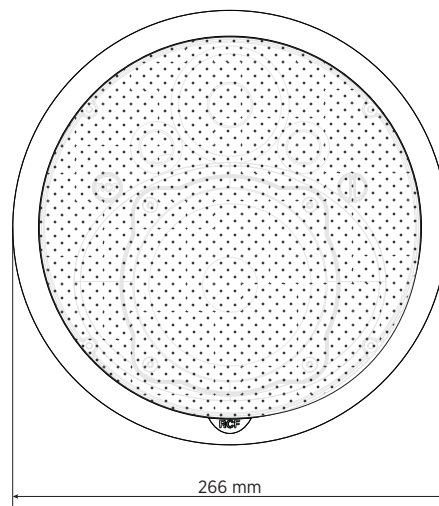
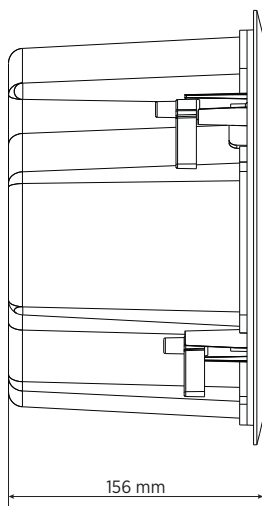
## PART NUMBER

- **13000081**

MQ 50C W

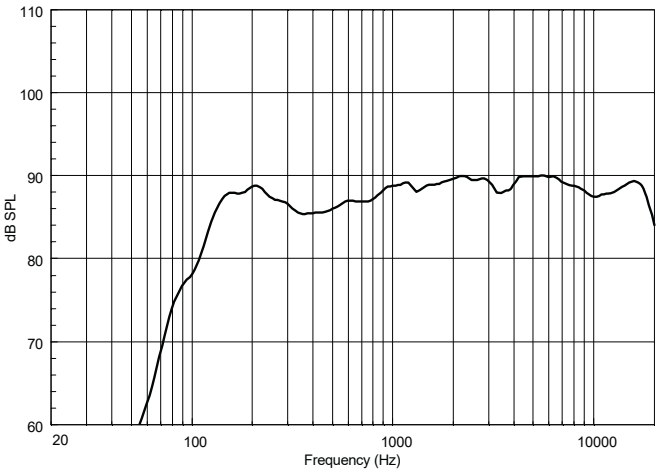
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**DRAWINGS**

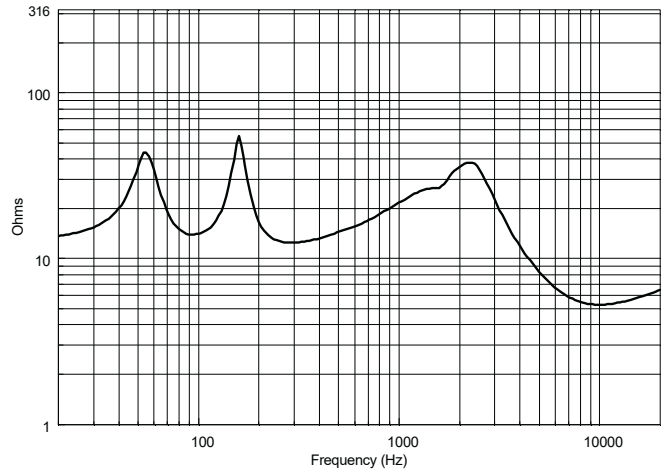




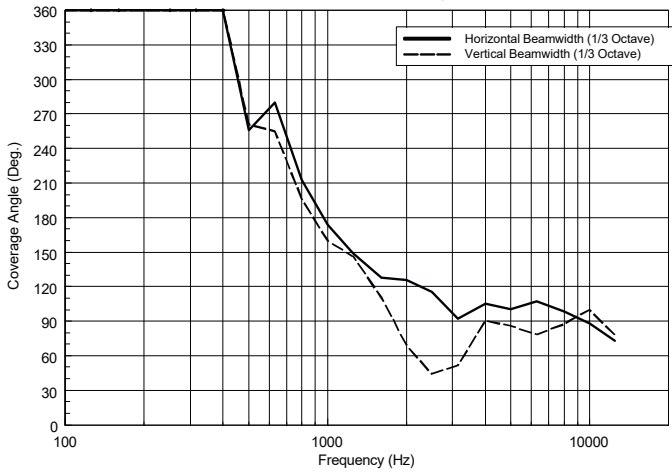
Response 1W/1m



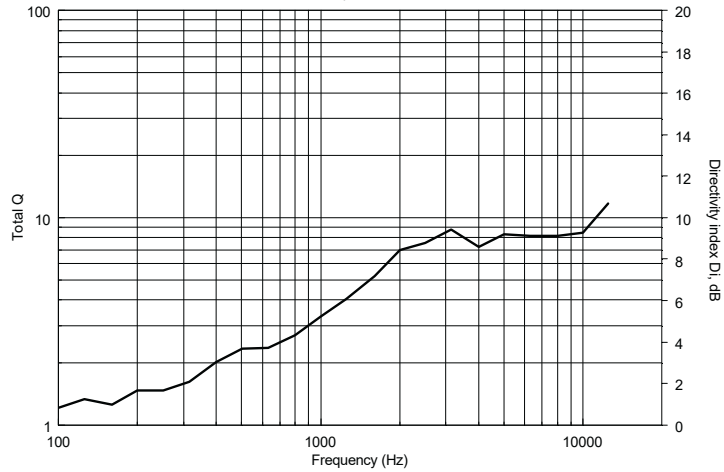
Impedance



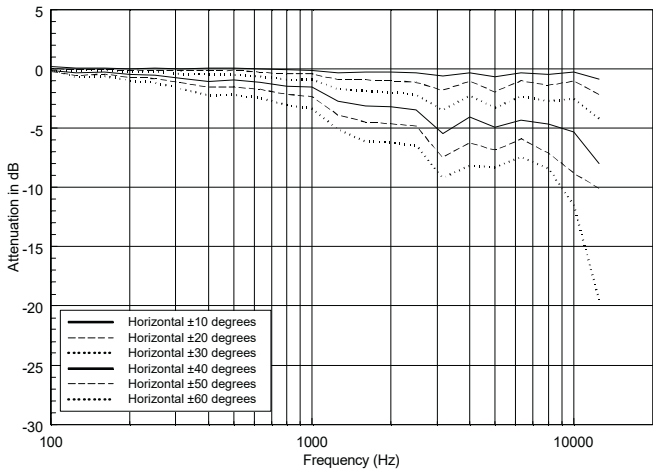
Beamwidth vs. Frequency



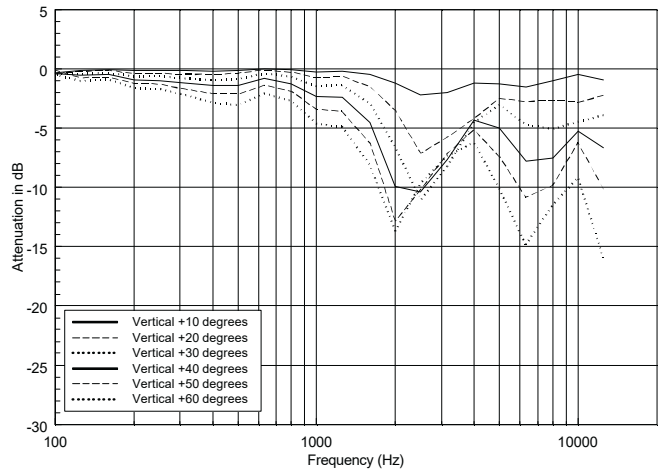
Directivity Index and Q



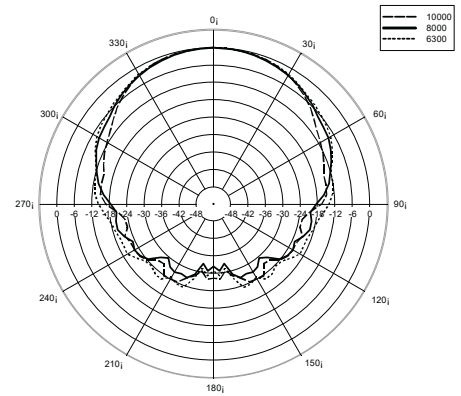
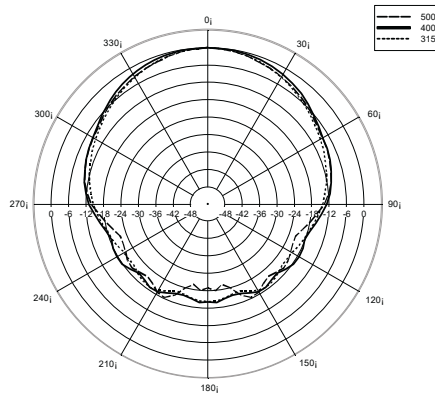
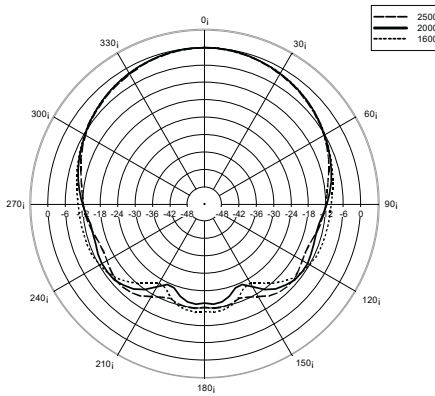
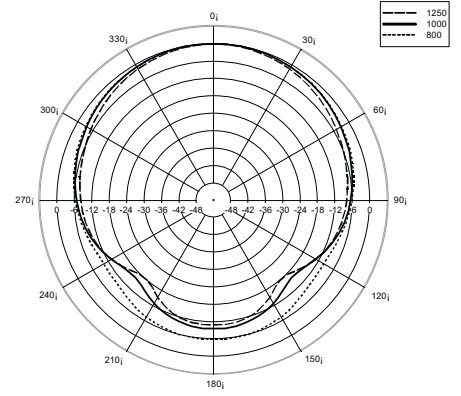
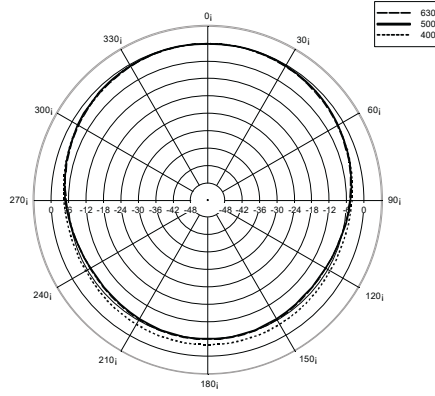
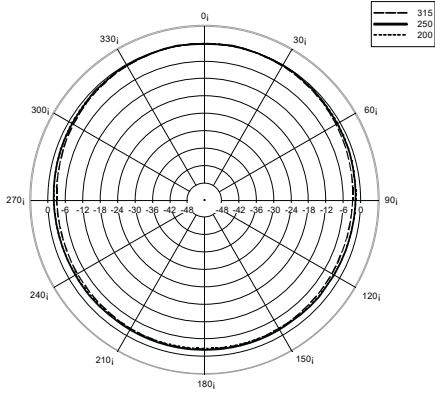
Normalized Horizontal off-axis Response



Normalized Vertical off-axis Response. Above the box



Horizontal 1/3 Polar Plot



Vertical 1/3 Polar Plot

