

MQ 50i

2 WAY IN WALL SPEAKER



MAIN APPLICATIONS

- Music applications
- Audio visual applications
- Shopping malls
- Restaurants
- Pubs
- Hotels
- Office building

DESCRIPTION

MQ 50i is a 2-way Bass Reflex acoustic speaker with 5" high-excursion woofer with rubber suspension and soft dome tweeter loaded on a wave guide to ensure clarity and proper sound dispersion over a wide range of coverage.

Its sound accuracy, compact size and design make this 'In wall' speaker ideal for reproducing music and speech.

It includes a transformer inside for the connection to (100 – 70 V) constant voltage lines, yet it can also be set to 16 Ω (low impedance connection).

MQ 50i is available in white (MQ 50i-W) or silver (MQ 50i-S) colour

MAIN FEATURES

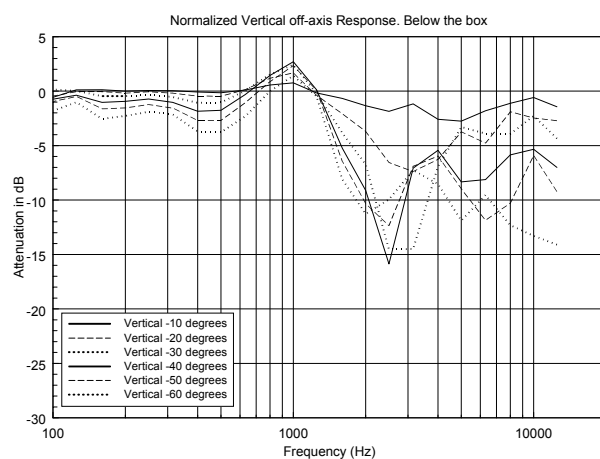
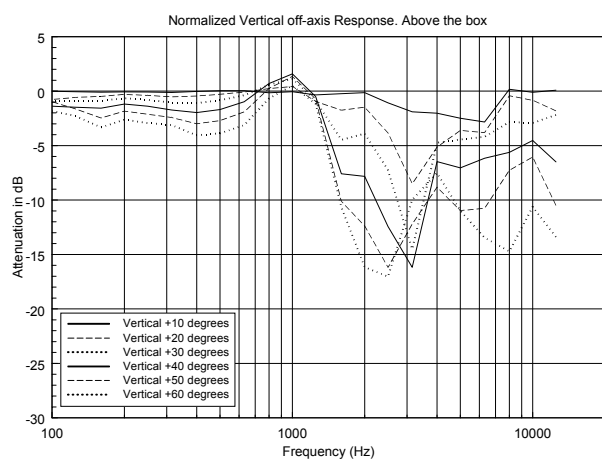
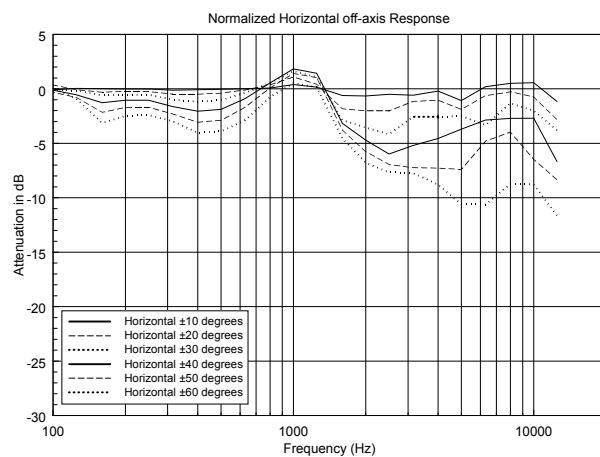
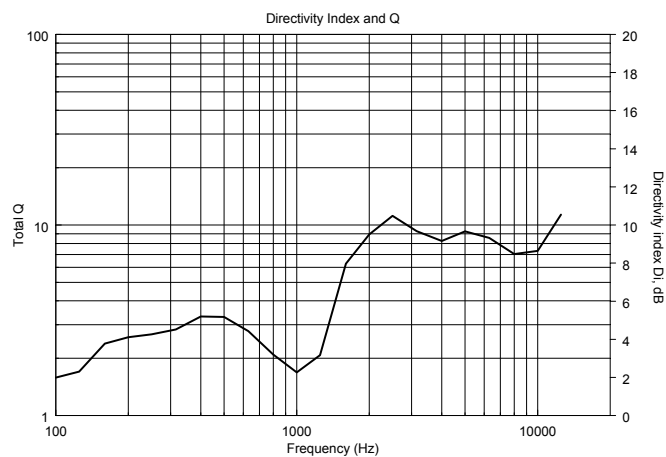
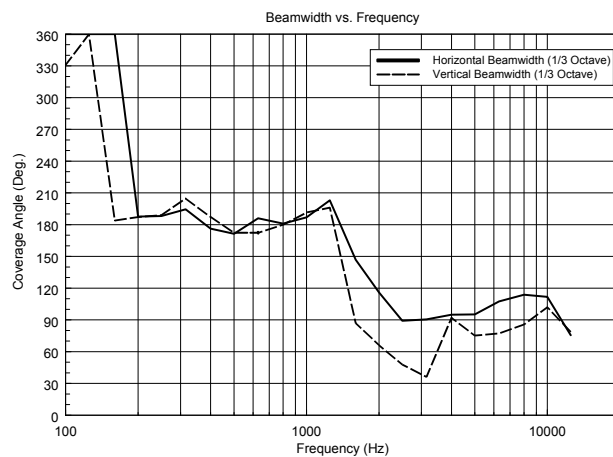
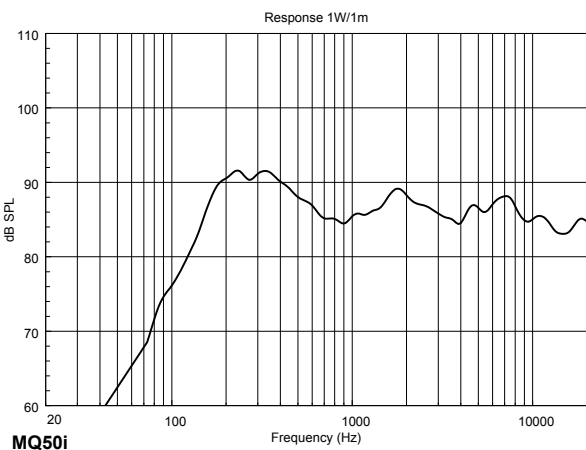
- Woofer 5" neodymium magnet
- 0.75" dome tweeter
- 60 / 120 Watt (RMS/Music Power)
- 180 Hz ÷ 20 kHz
- 108 dB (1 m / POWER MAX) max. SPL
- Incl. 100V transformer multitap
- Power rotary switch
- Crossover frequency: 3000 Hz - 12/12 dB/oct
- Direct connection to Low-Z speaker lines
- Easy to install
- Simple power settings

SPECIFICATIONS

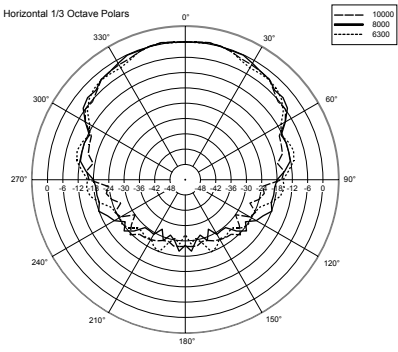
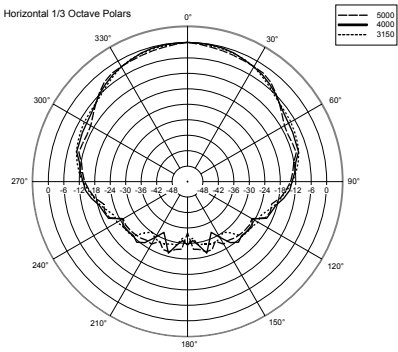
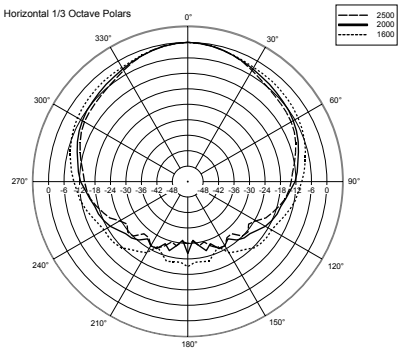
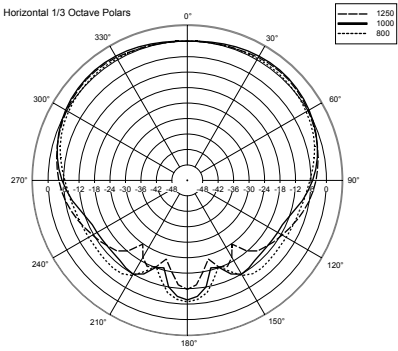
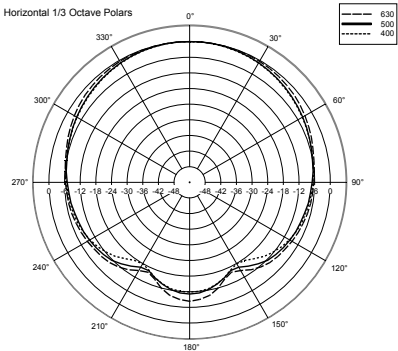
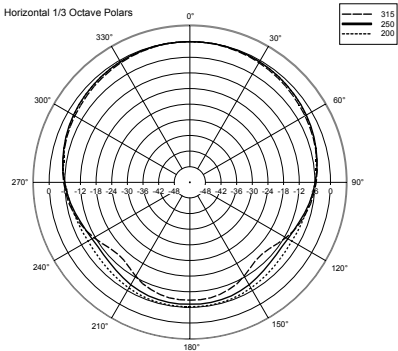
Loudspeaker	Woofer 5" neodymium magnet, 0.75" dome tweeter
Power (on 8 Ohm load)	60 / 120 W (RMS / Music power)
Power	30 W - 20 W - 10 W - 5 W (100V)
Sensitivity	90 dB (1 W / 1 m)
Mx. SPL (6 W / 1 m)	108 dB(A) (1 m / POWER MAX)
Frequency Response	180 Hz – 20 kHz
Angle of coverage	180° / 120° / 90° @ 1 / 2 / 4 kHz
Connector	Euroblock e pole
Body colour	White / Silver
Main body material	Auto-extinguishing high-density polystyrene
Grill material	Steel
Dimensiones (HxWxD)	270 mm x 195 mm x 88 mm
Flush-mounting hole	228 mm x 163 mm
Max ceiling thickness	26 mm
Net weight	3 kg
Operating temperature	-25° to +55°
Relative humidity	90% non condensing



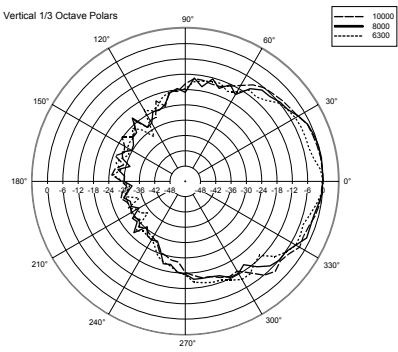
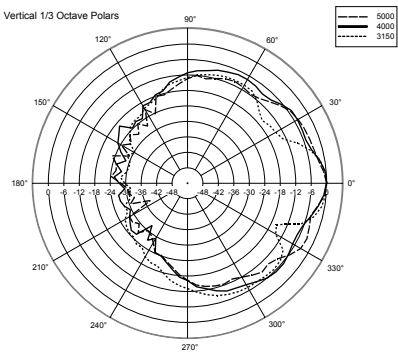
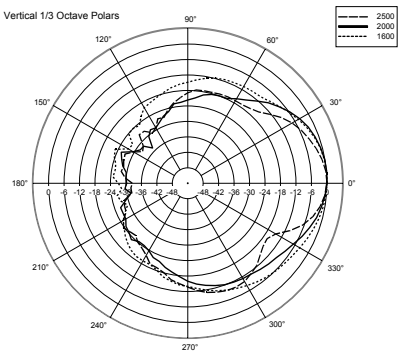
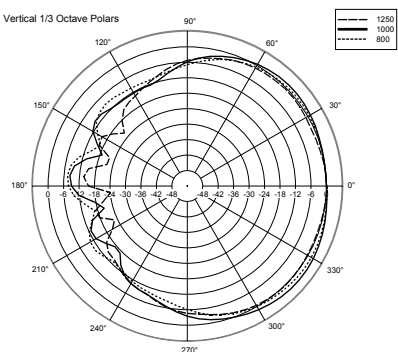
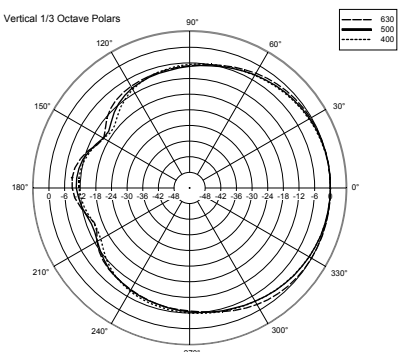
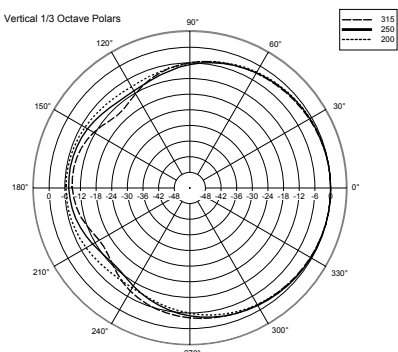
MQ 50i



HORIZONTAL 1/3 POLAR PLOT



VERTICAL 1/3 POLAR PLOT

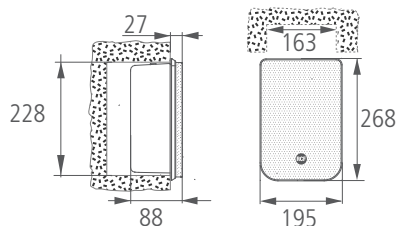


MQ 50i

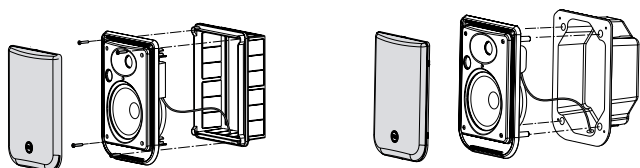
PART NUMBERS

13000139 - MQ 50i-W White
13000140 - MQ 50i-S Silver

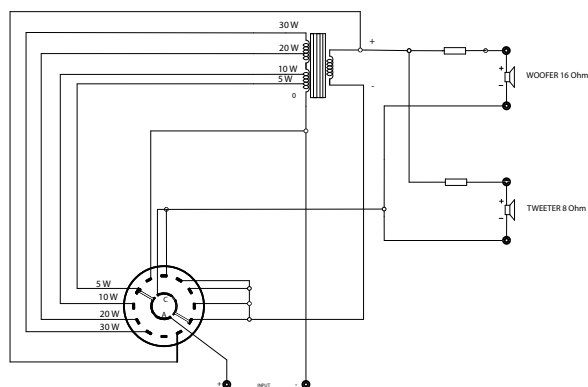
DIMENSIONS (All data are in mm)



INSTALLATION



SCHEMATICS



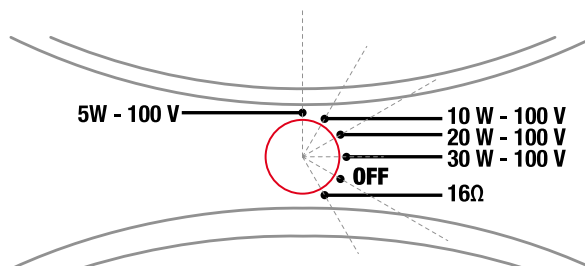
INSTALLATION NOTES

Installation of the MQ 50i is quick thanks to be mounted on a flush-mounting box type "Multibox" (2 modules) by BTicino® (or equivalent). It comes complete with a back metal case with cable management for applying to walls in plasterboard or other types of panelling. The power can be easily selected by using the Rotary switch present on the front panel; the knob is accessible using fingers. Connections are made by a Euroblock connector. The enclosure is constructed of high density UV resistant self-extinguishing polystyrene with robust steel grill.

RCF products are continually improved. All specifications are therefore subject to change without notice.

POWER SELECTION

Define the colour cable to selected the chosen power value referring to the 100 V line (among 5 W – 10 W – 20 W – 30 W) so the correspondence impedance (among 2000 Ω – 1000 Ω – 500 Ω – 333 Ω)



Note: if the rotary switch is set to the OFF position, the loudspeaker will be muted.

CERTIFICATIONS AND APPROVALS

- CE comply with European Community Directive 73/23/EEC and 93/768/EEC
- Self-Extinguishing plastic according to UL 94V0
- Speaker data according to IEC 268-5
- Safety according to IEC EN 60065:2002

ACCESSORIES (included)

- Rear metallic cover
- Connection Terminal
- Steel Grill



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