WMR 50T

TWO-WAY WALL MOUNT MONITOR SPEAKER

DESCRIPTION

WMR 50T is a multipurpose two-way wall-mounted speaker, suitable for a wide range of applications. Thanks to its elegant and discreet design and accurate details, WMR 50T pairs any building's aesthetic.
The high-quality transducers guarantee a precise music reproduction of the entire frequency band and provide impressive sound pressure levels for such a compact enclosure. The installation is easy thanks to the dedicated connection board inside the (included) wall mount support, which allows the installer to set the desired tilt first, fix the speaker, and finally quickly connect it without the need for any tooling.

FEATURES

- 40W RMS power handling
- 110 dB max SPL
- 80 ÷ 20000 Hz frequency range
- 140° x 100° constant directivity coverage angle
- 5" high power woofer
- 1" neodymium dome tweeter
- Self-extinguishing plastic cabinet and steel front grille
- Connection board integrated into the wall support
- 4 pole EUROBLOCK connector (audio input and parallel link output)
- 5 different power levels selectable

TECHNICAL SPECIFICATIONS

Acoustical specifications	Frequency Response (-10dB):	80 Hz ÷ 20000 Hz
	Max SPL @ 1m:	110 dB
	Horizontal coverage angle:	140°
	Vertical coverage angle:	100°
	System Sensitivity:	88 dB
Power section	Amplification:	Full Range
	Nominal Impedance:	8 ohm
	Power Handling:	40 W RMS
	Peak Power Handling:	160 W PEAK
	Protections:	Bulb lamp
	Crossover Frequencies:	2500
	Recommended Amplifier:	DMA 162, DMA 162P, DMA 504, DMA 82
Transducers	Dome Tweeter:	1.0" neo, 1.0" v.c
	Woofer:	5.0", 1.0" v.c
Input/Output section	Input connectors:	Euroblock
	Output connectors:	Euroblock
	Constant Voltage Transformer:	70/100 V
	Power selection 1:	40 W - 250 ohm
	Power selection 2:	20 W - 500 ohm
	Power selection 3:	10 W - 1000 ohm
	Power selection 4:	5 W - 2000 ohm
	Power selection 5:	2.5 W - 4000 ohm
Standard compliance	IP protection grade:	IP 55
	Safety agency:	CE compliant, UL 1480A
Physical specifications	Hardware:	Wall mount bracket
	Color:	Black - RAL 9005, White - RAL 9003
Size	Height:	349 mm / 13.74 inches
	Width:	170 mm / 6.69 inches
	Depth:	253 mm / 9.96 inches
	Weight:	4.2 kg / 9.26 lbs
Shipping information	Package Height:	278 mm / 10.94 inches
	Package Width:	418 mm / 16.46 inches
	Package Depth:	308 mm / 12.13 inches
	Package Weight:	5.3 kg / 11.68 lbs

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

PART NUMBER

- **13100074**
  WMR 50T W
  White - RAL 9003
  EAN 8024530020033
- **13100051**
  WMR 50T
  Black - RAL 9005
  EAN 8024530017460

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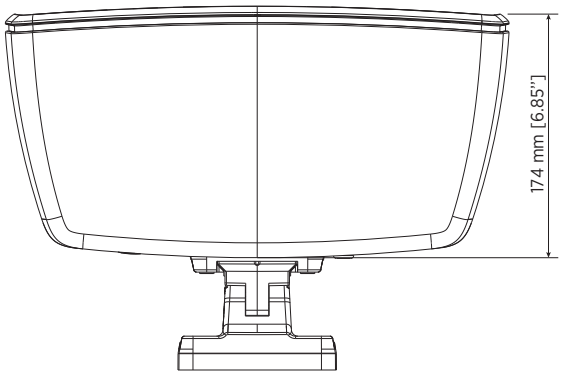
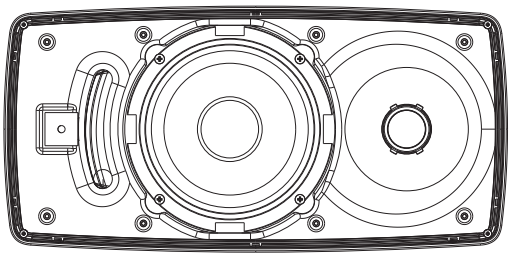
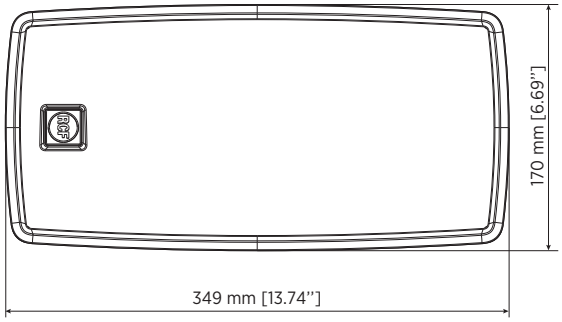
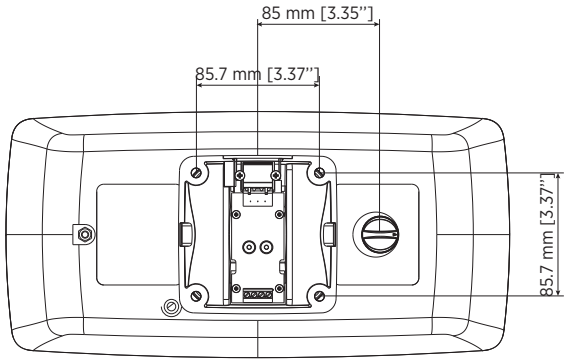
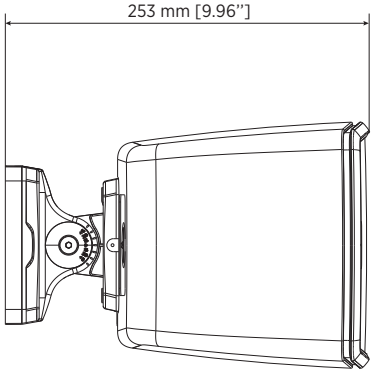
DRAWINGS

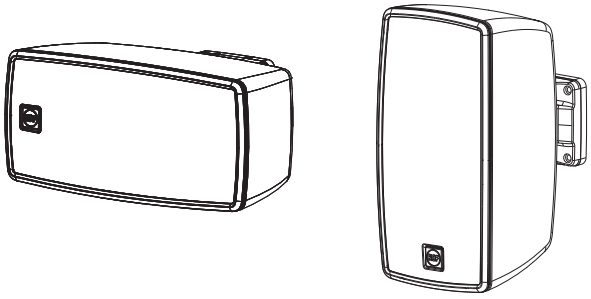

174 mm [6.85"]

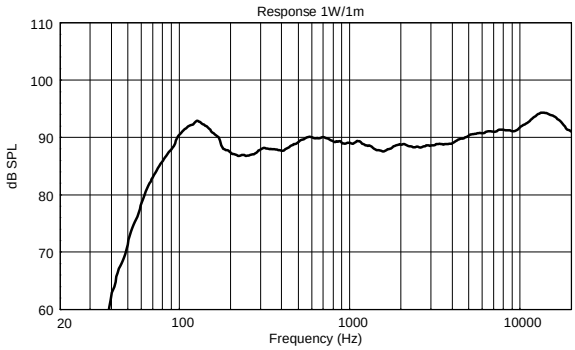


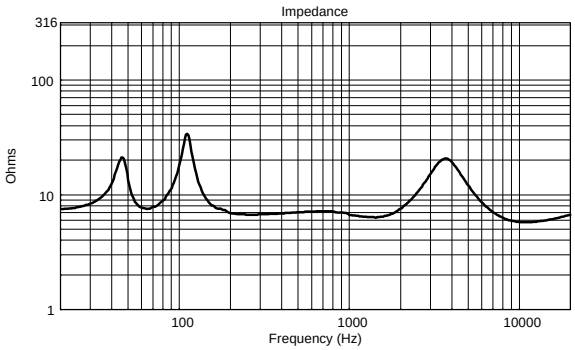

170 mm [6.69"]
349 mm [13.74"]

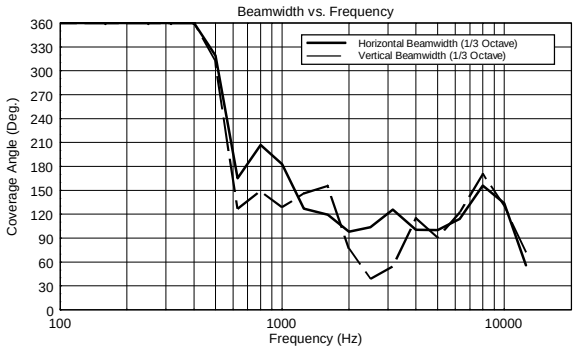

85 mm [3.35"]
85.7 mm [3.37"]
85.7 mm [3.37"]

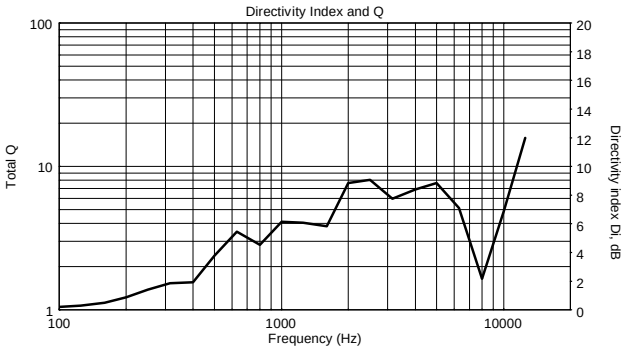

253 mm [9.96"]

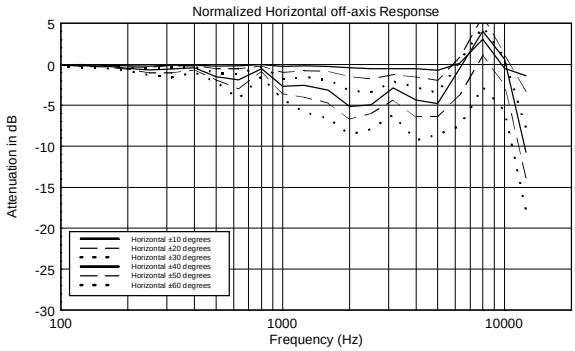


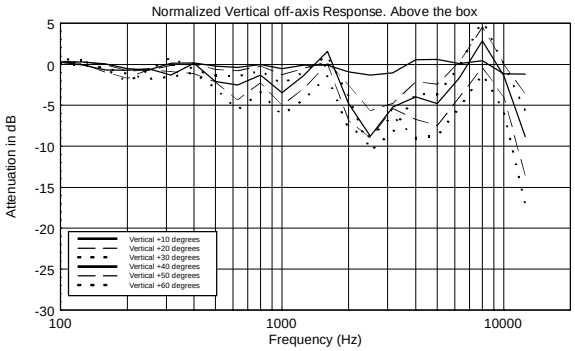

Response 1W/1m
dB SPL
110
100
90
80
70
60
20
100
1000
10000
Frequency (Hz)

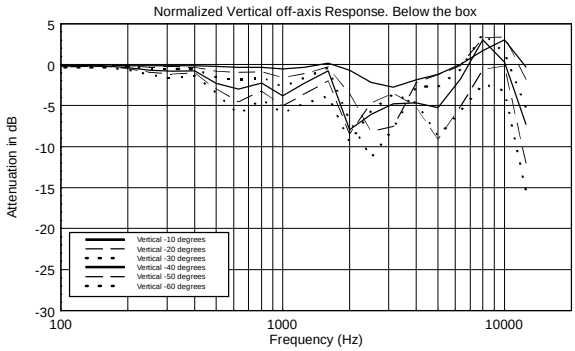

Impedance
Ohms
316
100
10
1
100
1000
10000
Frequency (Hz)

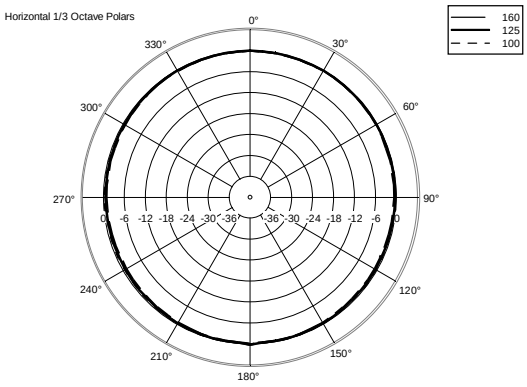

Beamwidth vs. Frequency
Coverage Angle (Deg.)
360
330
300
270
240
210
180
150
120
90
60
30
0
Horizontal Beamwidth (1/3 Octave)
Vertical Beamwidth (1/3 Octave)
100
1000
10000
Frequency (Hz)

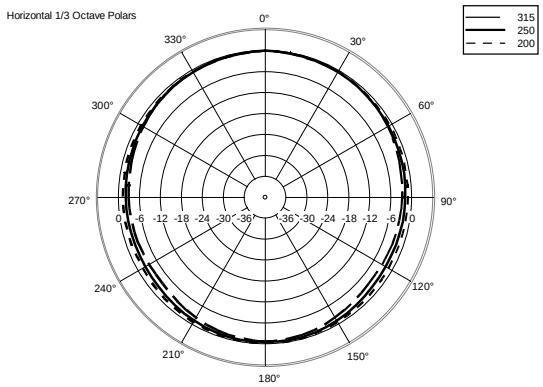

Directivity Index and Q
Total Q
Directivity index DI, dB
100
10
1
20
18
16
14
12
10
8
6
4
2
0
100
1000
10000
Frequency (Hz)

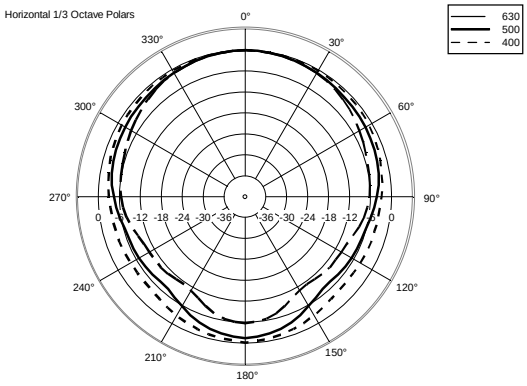

Normalized Horizontal off-axis Response
Attenuation in dB
5
0
-5
-10
-15
-20
-25
-30
Horizontal ±10 degrees
Horizontal ±20 degrees
Horizontal ±30 degrees
Horizontal ±40 degrees
Horizontal ±50 degrees
Horizontal ±60 degrees
100
1000
10000
Frequency (Hz)

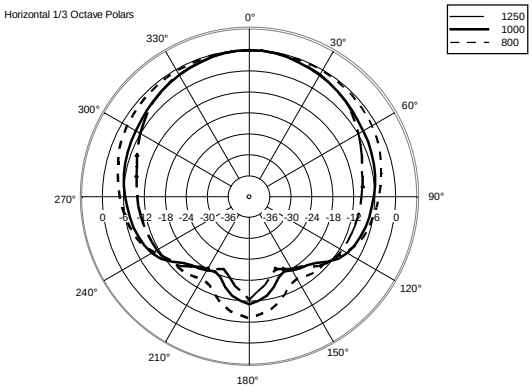

Normalized Vertical off-axis Response. Above the box
Attenuation in dB
5
0
-5
-10
-15
-20
-25
-30
Vertical +10 degrees
Vertical +20 degrees
Vertical +30 degrees
Vertical +40 degrees
Vertical +50 degrees
Vertical +60 degrees
100
1000
10000
Frequency (Hz)

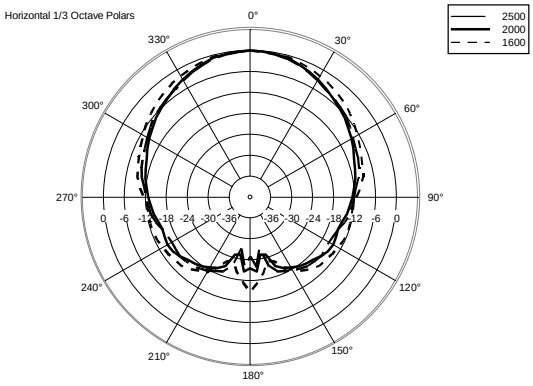

Normalized Vertical off-axis Response. Below the box
Attenuation in dB
5
0
-5
-10
-15
-20
-25
-30
Vertical -10 degrees
Vertical -20 degrees
Vertical -30 degrees
Vertical -40 degrees
Vertical -50 degrees
Vertical -60 degrees
100
1000
10000
Frequency (Hz)

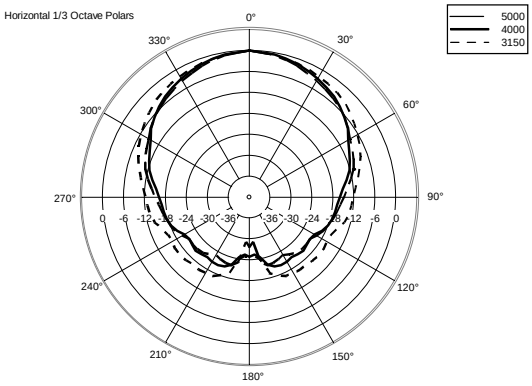

Horizontal 1/3 Octave Polars
160
125
100

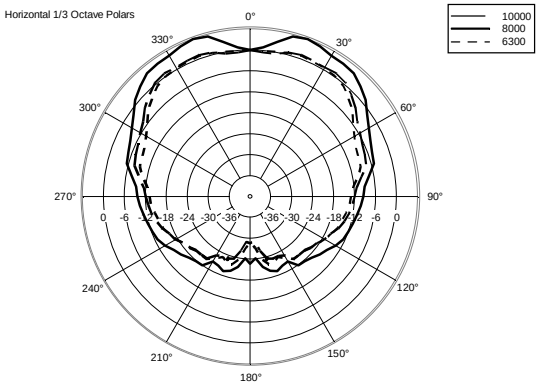

Horizontal 1/3 Octave Polars
315
250
200

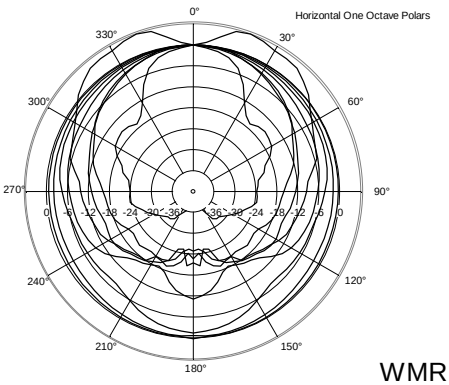

Horizontal 1/3 Octave Polars
630
500
400

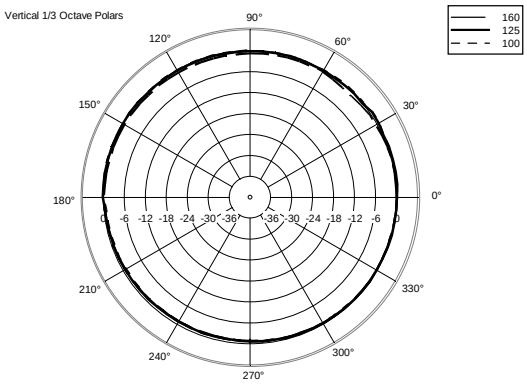

Horizontal 1/3 Octave Polars
1250
1000
800

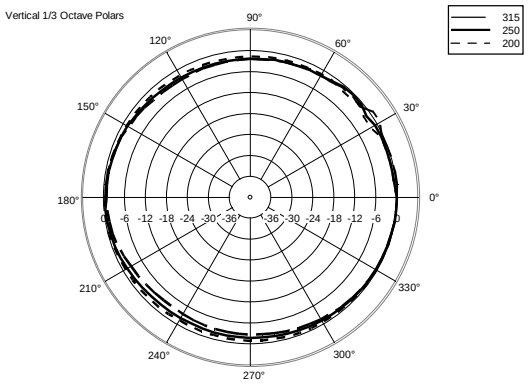

Horizontal 1/3 Octave Polars
2500
2000
1600

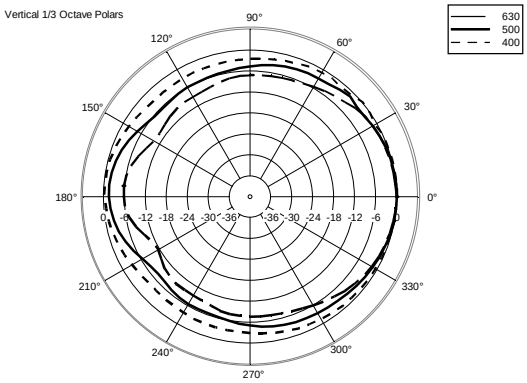

Horizontal 1/3 Octave Polars
5000
4000
3150

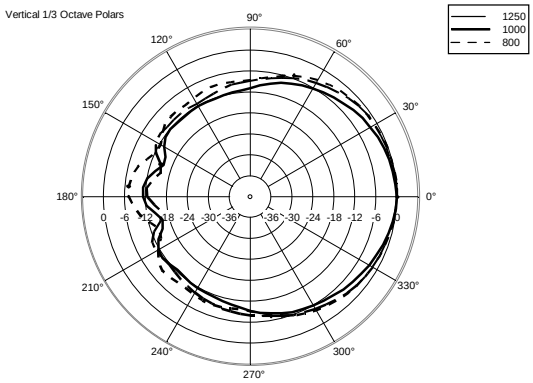

Horizontal 1/3 Octave Polars
10000
8000
6300

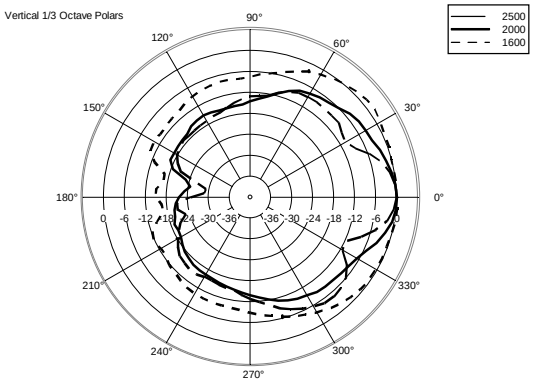

Horizontal One Octave Polars

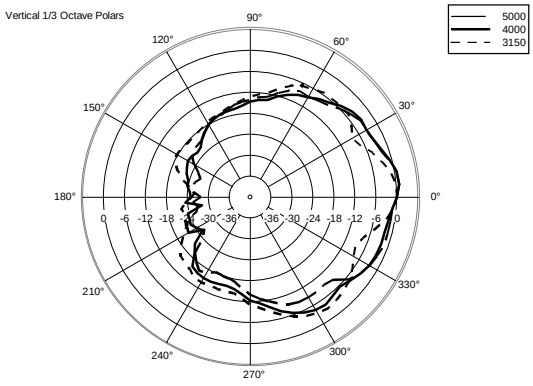

Vertical 1/3 Octave Polars
160
125
100

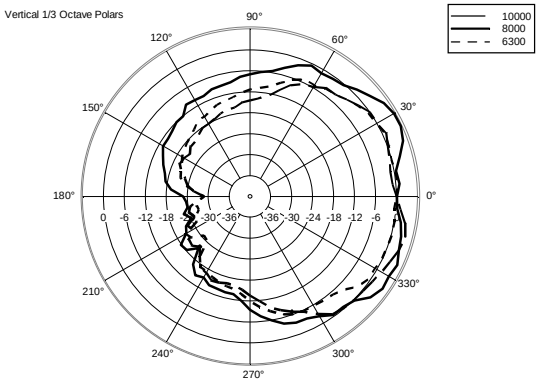

Vertical 1/3 Octave Polars
315
250
200

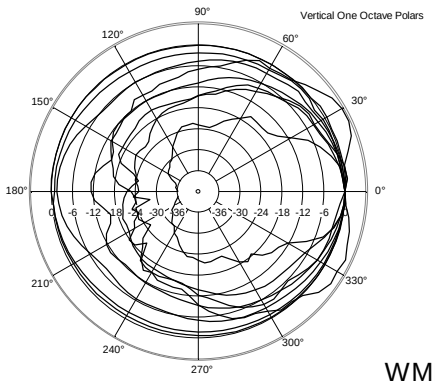

Vertical 1/3 Octave Polars
630
500
400


Vertical 1/3 Octave Polars
1250
1000
800


Vertical 1/3 Octave Polars
2500
2000
1600


Vertical 1/3 Octave Polars
5000
4000
3150


Vertical 1/3 Octave Polars
10000
8000
6300


Vertical One Octave Polars

A&E SPECIFICATIONS

The product shall be a multipurpose two-way speaker for wall mounting, providing a balanced sound in near-field applications to get the best intelligibility.
The high quality of its transducers guarantees faithful and precise musical reproduction throughout the entire audio spectrum and allows to reach truly remarkable sound pressure levels for such a compact product.
Its design shall be elegant and compact with accurate finishing, suitable for almost any environment, even with architectural constraints.
It shall be equipped with a 5" woofer and a neodymium 1" dome tweeter and include an internal transformer that allows the connection to 70/100V constant voltage lines.
Installation shall be simple and safe thanks to the terminals on the electronic board integrated in the included wall support, which will allow the installer to proceed first with the wiring and then with the fixing of the speaker on the support, without needing special tools.