COMPACT A 10

TWO-WAY PROFESSIONAL SPEAKER

DESCRIPTION

COMPACT A 10 is a multipurpose two-way full-range professional speaker system, suitable for a wide range of applications, such as live sound reinforcement and stage monitoring as well as distributed sound systems for clubs or music venues. The combination of a 1.75" compression driver, 10" woofer, and the constant directivity True Resistive Waveguide produces coherent 100° x 60° coverage for the listening area with up to high SPL, distortion-free sound. The sleek and lightweight cabinet uses a special polypropylene composite material with an M-brace internal reinforcement, making it easy to carry and secure to install on a pole, flown-, wall-, or truss-mounted using the multiple rigging points and available accessories.



FEATURES

- 350 W power handling
- Up to 128 dB Sound Pressure Level
- 60-20000 Hz linear frequency response
- 1.75" Compression Driver
- 10" High Power Woofer
- Robust composite material cabinet
- Steel full front grille
- Optional mounting accessories
- 2 x SPEAKON connectors

TECHNICAL SPECIFICATIONS

Acoustical specifications	Frequency Response (-10dB):	60 Hz ÷ 20000 Hz
	Max SPL @ 1m:	128 dB
	Horizontal coverage angle:	100°
	Vertical coverage angle:	60°
	System Sensitivity:	97 dB
Power section	Amplification:	Full Range
	Nominal Impedance:	8 ohm
	Power Handling:	350 W
	Peak Power Handling:	1400 W PEAK
	Protections:	Dynamic Active Mosfet
	Crossover Frequencies:	1400 Hz
	Recommended Amplifiers:	DMA 504, IPS 1.5K, IPS 2.5K, QPS 10K, QPS 6.0K
Transducers	Compression Driver:	1.0", 1.75" v.c
	Woofer:	10", 2.5" v.c
Input/Output section	Input connectors:	Speakon
	Output connectors:	Speakon
Standard compliance	Safety agency:	CE compliant
Physical specifications	Hardware:	1 x M10 top and bottom
	Handles:	1 top
	Pole mount/Cap:	Yes
	Color:	Black
Size	Height:	572.1 mm / 22.52 inches
	Width:	329.9 mm / 12.99 inches
	Depth:	310 mm / 12.2 inches
	Weight:	16.2 kg / 35.71 lbs
Shipping information	Package Height:	616 mm / 24.25 inches
	Package Width:	370 mm / 14.57 inches
	Package Depth:	390 mm / 15.35 inches
	Package Weight:	18.2 kg / 40.12 lbs

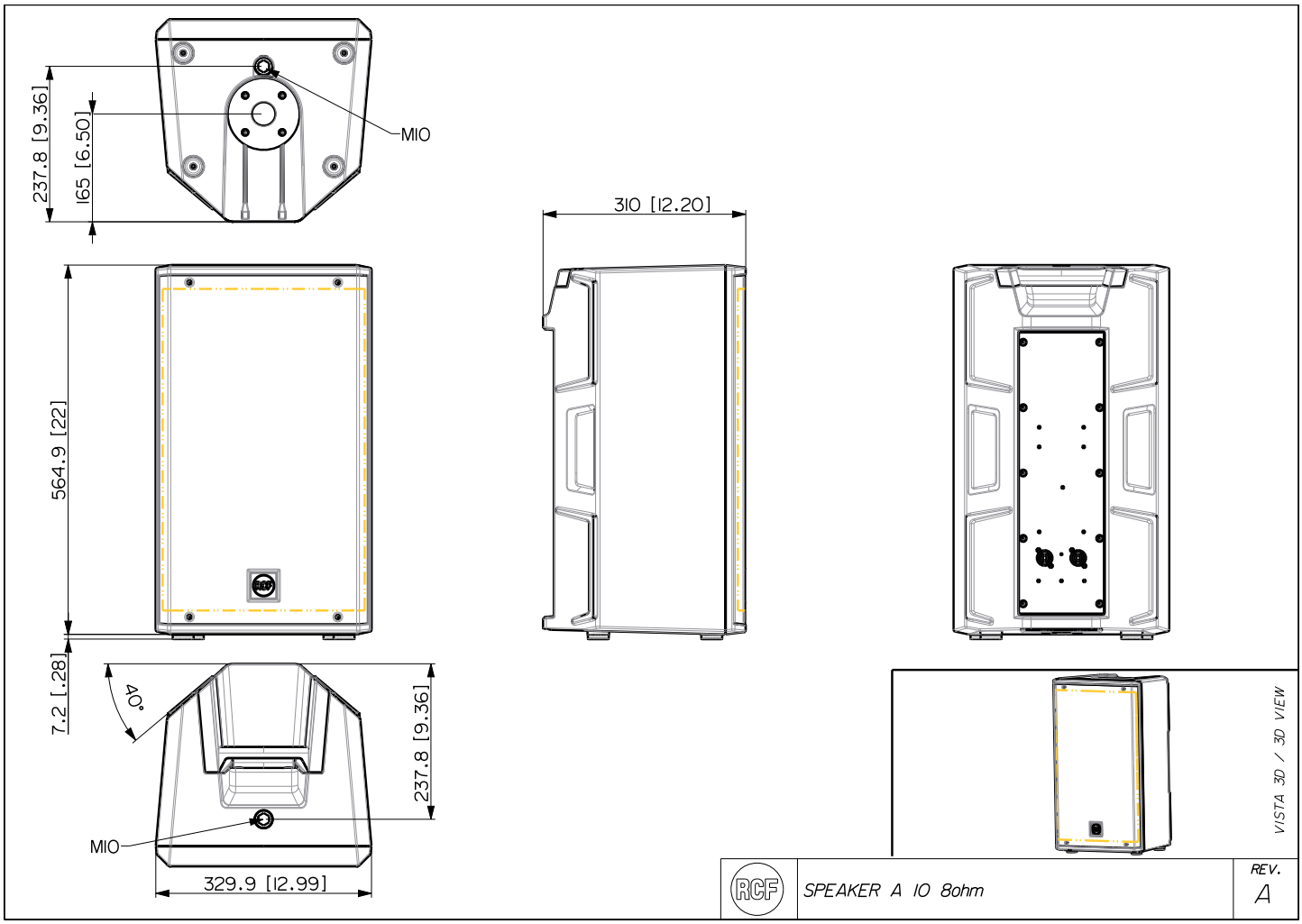
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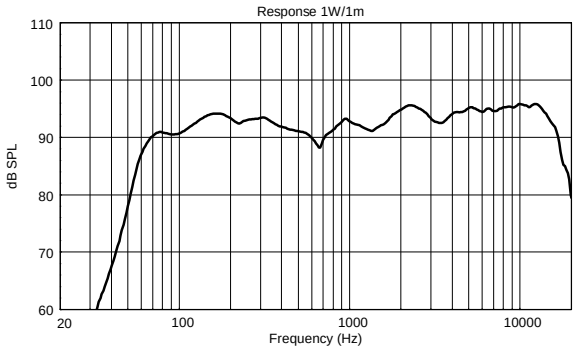
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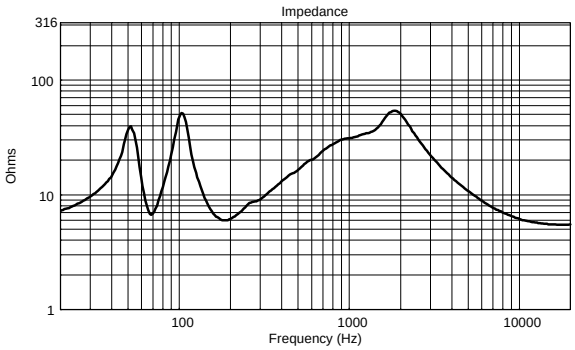
  COMPACT A 10

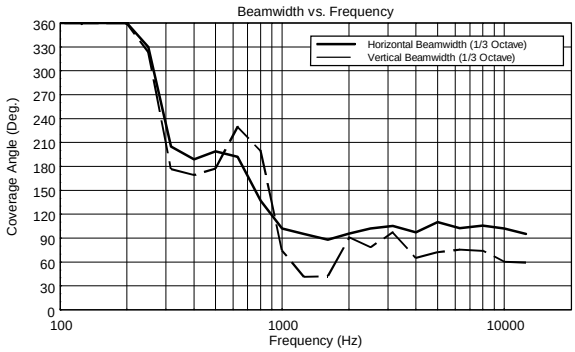
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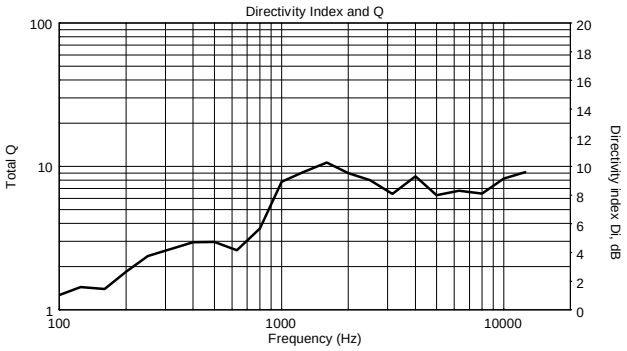
RCF products are continually improved. All specifications are therefore subject to change without notice.

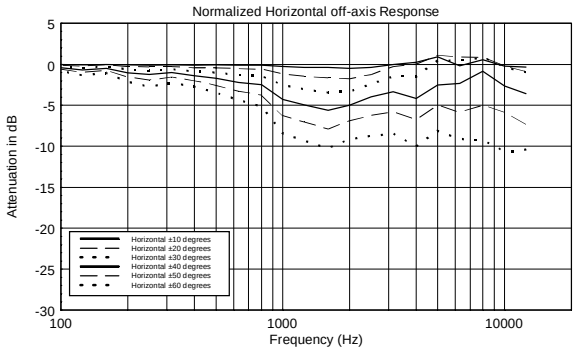

237.8 [9.36]
165 [6.50]
MIO
310 [12.20]
564.9 [22]
7.2 [.28]
40°
237.8 [9.36]
MIO
329.9 [12.99]
VISTA 3D / 3D VIEW
SPEAKER A 10 8ohm
REV.
A

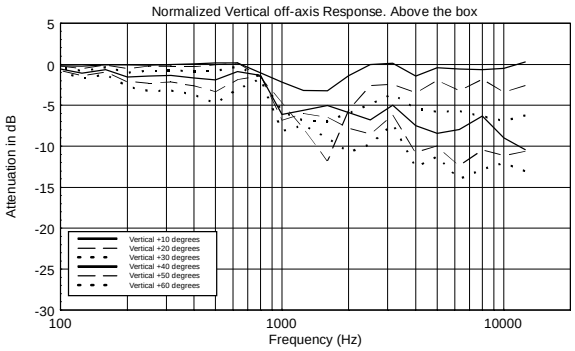

Response 1W/1m
dB SPL
110
100
90
80
70
60
20
100
1000
10000
Frequency (Hz)

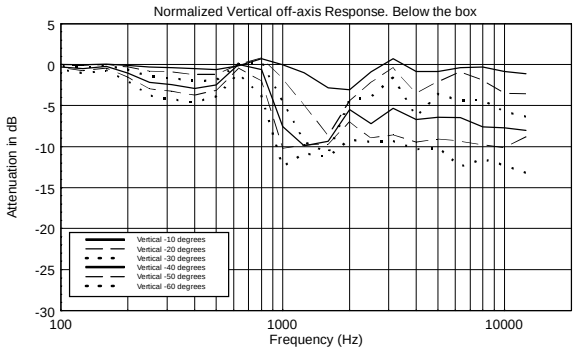

Impedance
Ohms
316
100
10
1
100
1000
10000
Frequency (Hz)

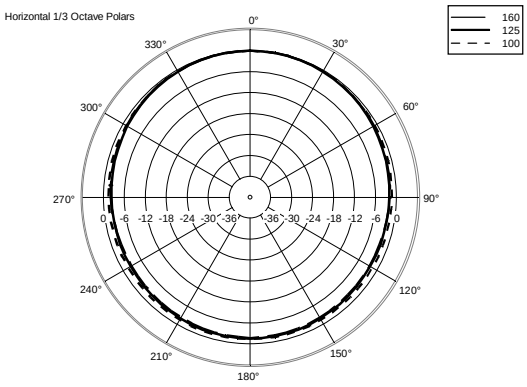

Beamwidth vs. Frequency
Coverage Angle (Deg.)
Horizontal Beamwidth (1/3 Octave)
Vertical Beamwidth (1/3 Octave)
360
330
300
270
240
210
180
150
120
90
60
30
0
100
1000
10000
Frequency (Hz)

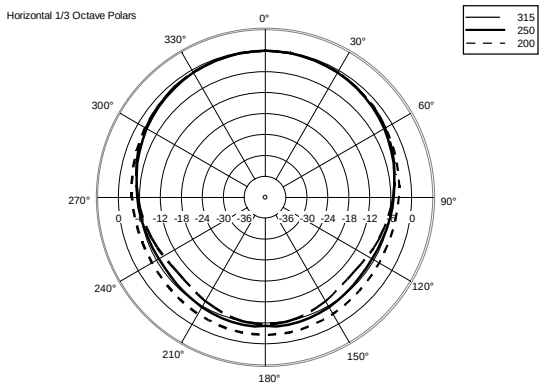

Directivity Index and Q
Total Q
Directivity index DI, dB
100
10
1
20
18
16
14
12
10
8
6
4
2
0
100
1000
10000
Frequency (Hz)

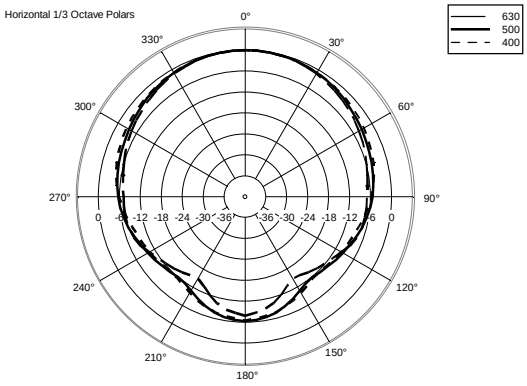

Normalized Horizontal off-axis Response
Attenuation in dB
5
0
-5
-10
-15
-20
-25
-30
Horizontal ±10 degrees
Horizontal ±20 degrees
Horizontal ±30 degrees
Horizontal ±40 degrees
Horizontal ±50 degrees
Horizontal ±60 degrees
100
1000
10000
Frequency (Hz)

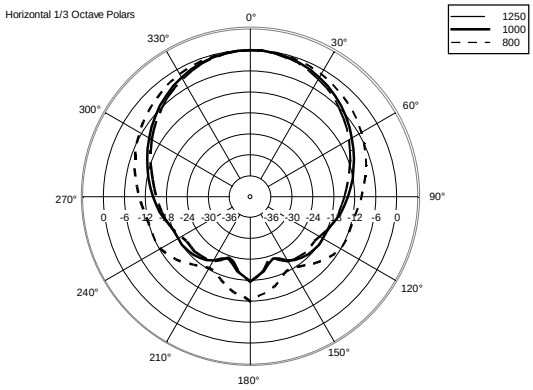

Normalized Vertical off-axis Response. Above the box
Attenuation in dB
5
0
-5
-10
-15
-20
-25
-30
Vertical +10 degrees
Vertical +20 degrees
Vertical +30 degrees
Vertical +40 degrees
Vertical +50 degrees
Vertical +60 degrees
100
1000
10000
Frequency (Hz)

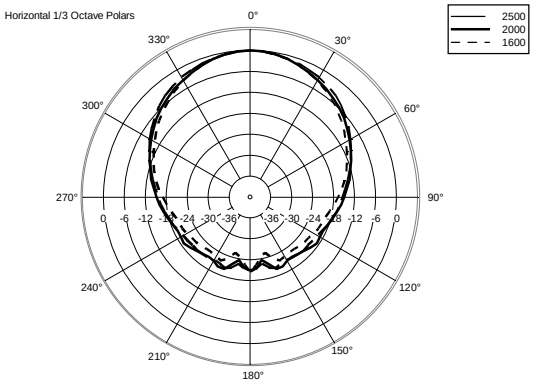

Normalized Vertical off-axis Response. Below the box
Attenuation in dB
5
0
-5
-10
-15
-20
-25
-30
Vertical -10 degrees
Vertical -20 degrees
Vertical -30 degrees
Vertical -40 degrees
Vertical -50 degrees
Vertical -60 degrees
100
1000
10000
Frequency (Hz)

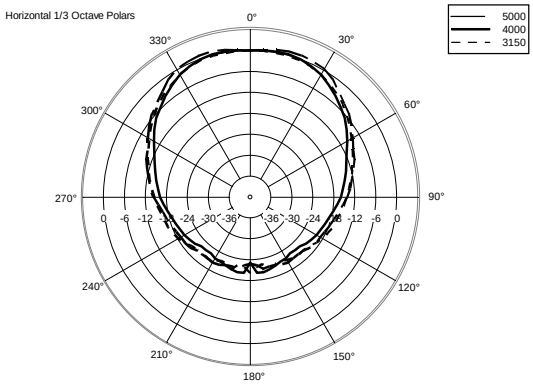

Horizontal 1/3 Octave Polars
160
125
100

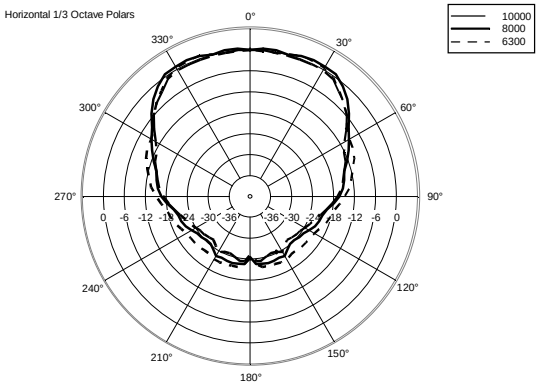

Horizontal 1/3 Octave Polars
315
250
200

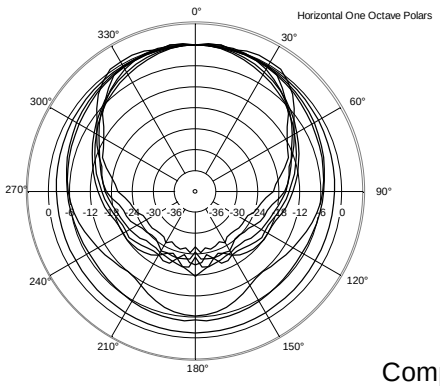

Horizontal 1/3 Octave Polars
630
500
400

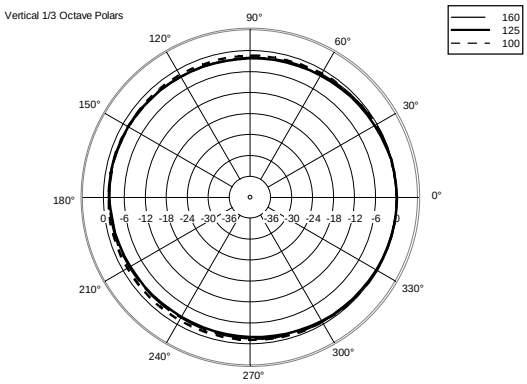

Horizontal 1/3 Octave Polars
1250
1000
800

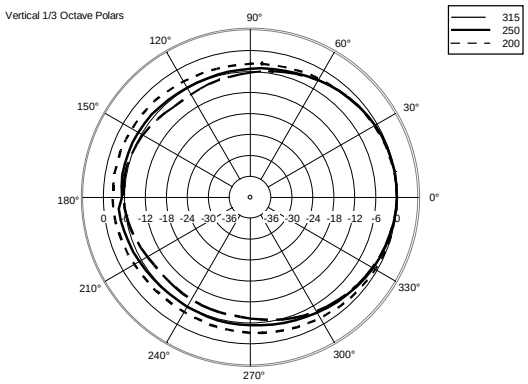

Horizontal 1/3 Octave Polars
2500
2000
1600

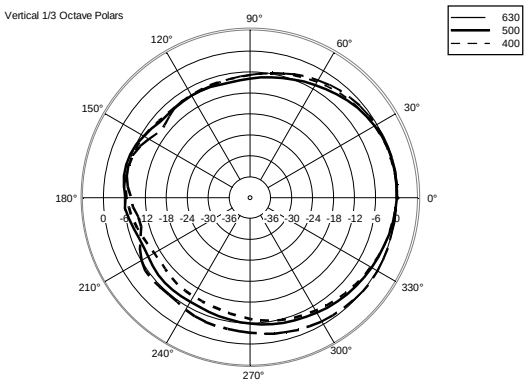

Horizontal 1/3 Octave Polars
5000
4000
3150

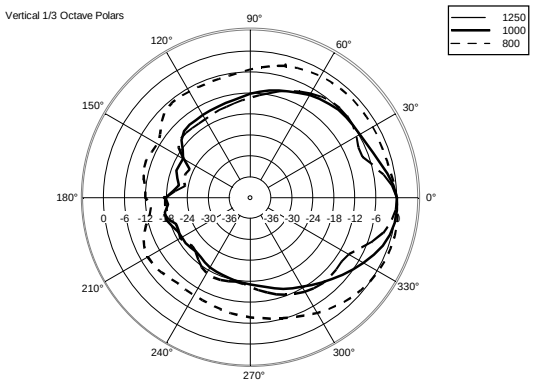

Horizontal 1/3 Octave Polars
10000
8000
6300

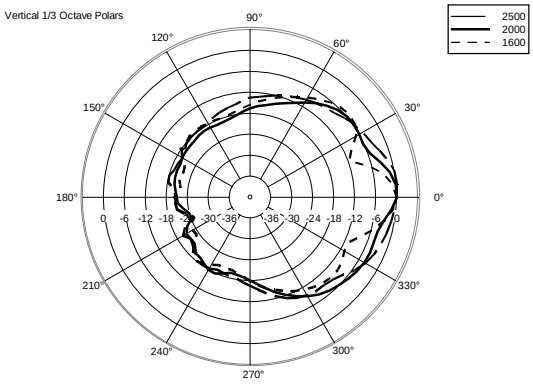

Horizontal One Octave Polars

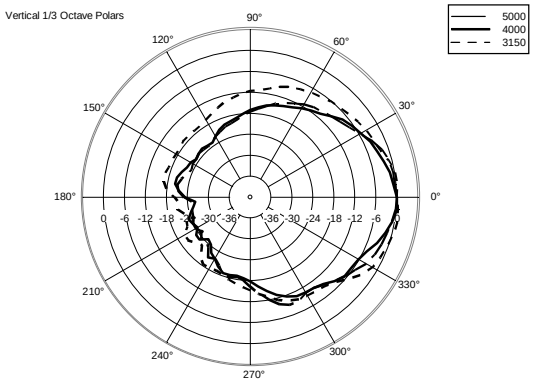

Vertical 1/3 Octave Polars
160
125
100

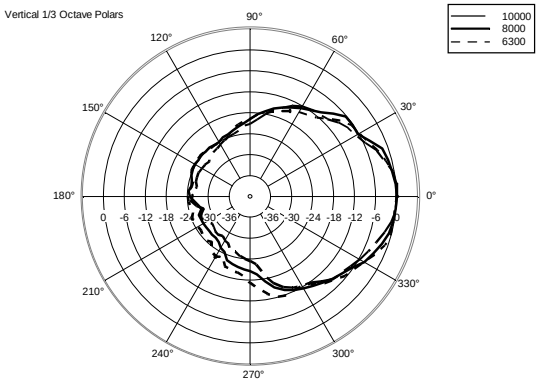

Vertical 1/3 Octave Polars
315
250
200

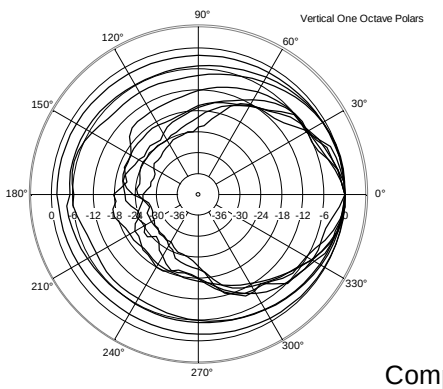

Vertical 1/3 Octave Polars
630
500
400


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

ACCESSORIES



AC PMX POLE MOUNT M20

PART NUMBER **13360232**
EAN: 8024530010058



AC PRO-FS PROFESS. LOCKING FLOOR STAND

PART NUMBER **13360109**
EAN: 8024530006471



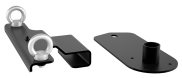
AC PRO-PM PROFESS. LOCKING POLE MOUNT

PART NUMBER **13360110**
EAN: 8024530006488



COVER CVR ART 910

PART NUMBER **13360473**
EAN: 8024530018832



FLYING BRACKET FL-BR ART 910

PART NUMBER **13360472**
EAN: 8024530019235



HORIZONTAL BRACKET H-BR ART 910

PART NUMBER **13360471**
EAN: 8024530019242



POLE MOUNT KIT PM-KIT M20

PART NUMBER **13360067**
EAN: 8024530014599

A&E SPECIFICATIONS

The product shall be a multipurpose two-way full-range professional speaker system, suitable for a wide range of applications, such as live sound reinforcement and stage monitoring as well as distributed sound systems for clubs or music venues. It shall feature high sensitivity, typical of professional audio cabinets, with smooth and wide frequency response, thanks to the wave-guided compression driver. It shall be robust, suitable for transportation and for any working environment. Optional mounting accessories shall be available for wall or ceiling installations.