ART 945-A

PROFESSIONAL ACTIVE SPEAKER

DESCRIPTION

ART 945-A is masterfully engineered to deliver stellar audio performance and versatility for intensive audio applications.
The combination of neodymium transducers - 4" titanium compression driver, 15" woofer - two-channel 2100W amplifier, and the constant directivity True Resistive Waveguide produces coherent 100° x 60° coverage for the listening area with up to 135 dB SPL, distortion-free sound.
Merging RCF proprietary FiRPHASE and Bass Motion Control DSP processing, perfectly tuned for each model, the audience will experience absolute clarity and deep, powerful bass response.
The sleek 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 available.



FEATURES

- Up to 135 dB Sound Pressure Level
- 2100W Class-D Bi-Amplification
- 45-20000 Hz linear frequency response
- 4" Titanium/Neodymium Compression Driver
- 15" Neodymium Woofer
- FiRPHASE zero degrees phase technology
- Bass Motion Control woofer excursion management

TECHNICAL SPECIFICATIONS

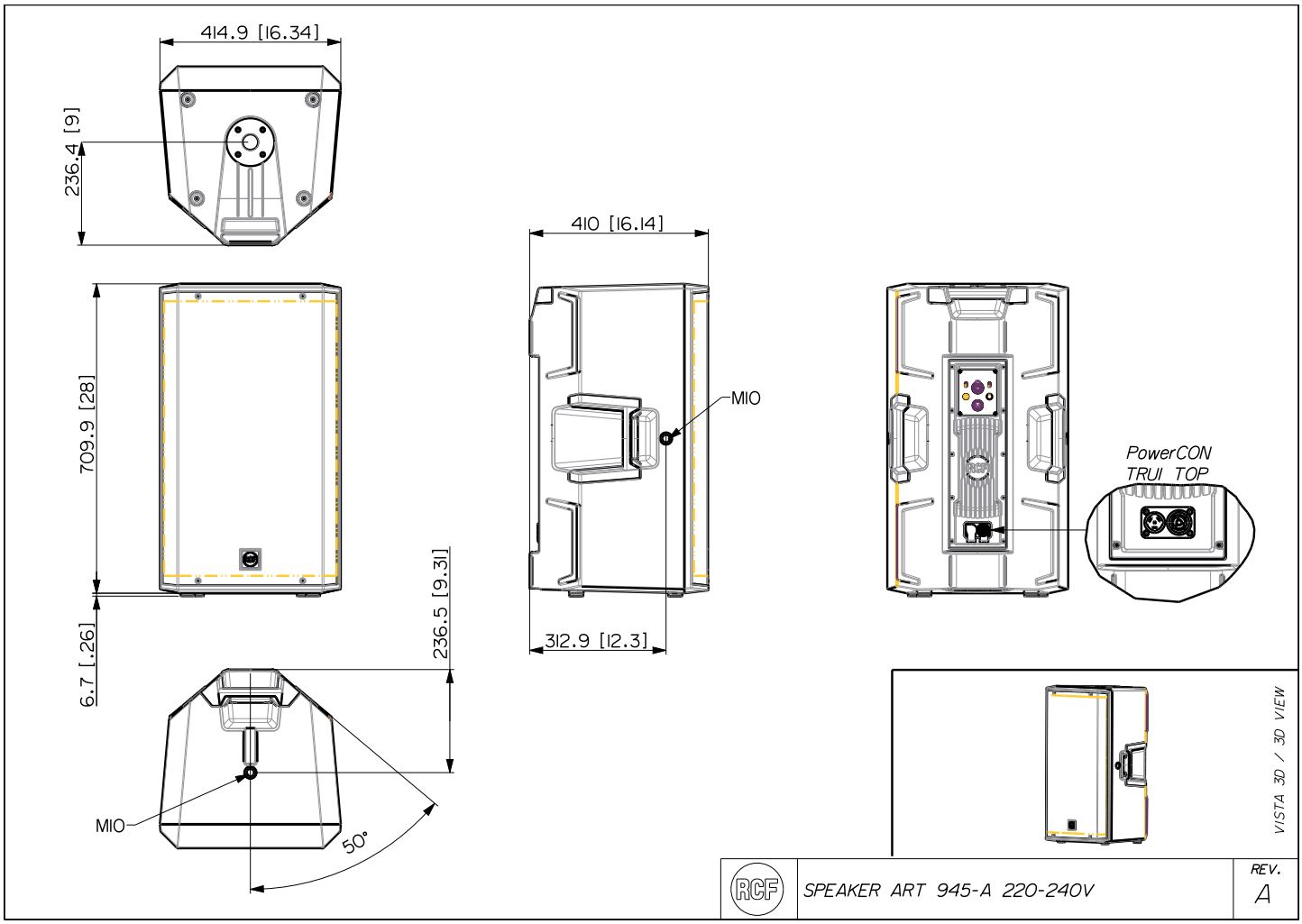
Acoustical specifications	Frequency Response:	45 Hz ÷ 20000 Hz
	Max SPL @ 1m:	135 dB
	Horizontal coverage angle:	100°
	Vertical coverage angle:	60°
Transducers	Compression Driver:	1 x 1.4" neo, 4.0" v.c
	Woofer:	15" neo, 3.5" v.c
Input/Output section	Input signal:	bal/unbal
	Input connectors:	XLR, Jack
	Output connectors:	XLR
	Input sensitivity:	-2 dBu/+4 dBu
Processor section	Crossover Frequencies:	650Hz
	Protections:	Thermal, RMS
	Limiter:	Soft Limiter
	Controls:	Linear, Boost, Stage, Volume
Power section	Total Power:	2100 W Peak
	High frequencies:	700 W Peak
	Low frequencies:	1400 W Peak
	Cooling:	Convection
	Connections:	Powercon TRUE1 TOP IN/OUT
Standard compliance	Safety agency:	CE compliant
Physical specifications	Cabinet/Case Material:	PP Composite
	Hardware:	1 x M10 Top, 1 x M10 each side
	Handles:	1 Top , 1 each side
	Pole mount/Cap:	Yes
	Grille:	Steel
	Color:	Black
Size	Height:	717 mm / 28.23 inches
	Width:	415 mm / 16.34 inches
	Depth:	410 mm / 16.14 inches
	Weight:	22.4 kg / 49.38 lbs
Shipping informations	Package Height:	760 mm / 29.92 inches
	Package Width:	475 mm / 18.7 inches
	Package Depth:	470 mm / 18.5 inches
	Package Weight:	26.2 kg / 57.76 lbs

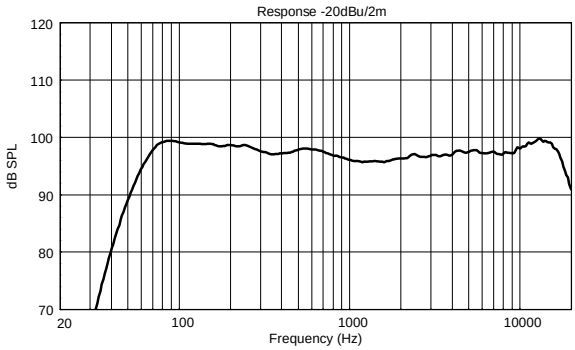
RCF products are continually improved. All specifications are therefore subject to change without notice.

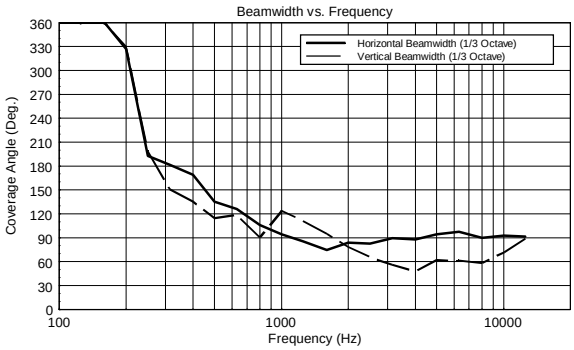
PART NUMBER

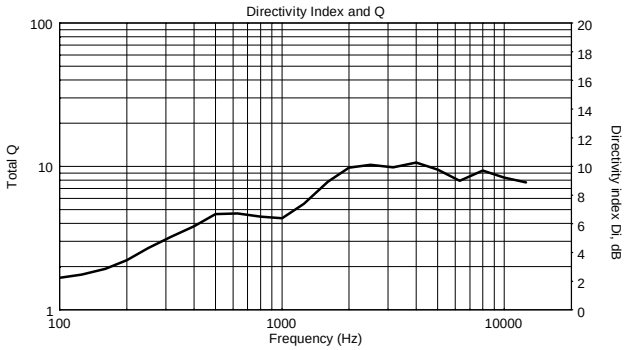
- **13000692**
  ART 945-A
  115V
  EAN 8024530019167
- **13000691**
  ART 945-A
  220-240V
  EAN 8024530019150

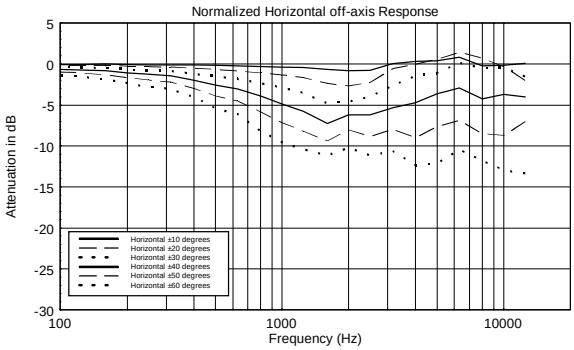
RCF products are continually improved. All specifications are therefore subject to change without notice.

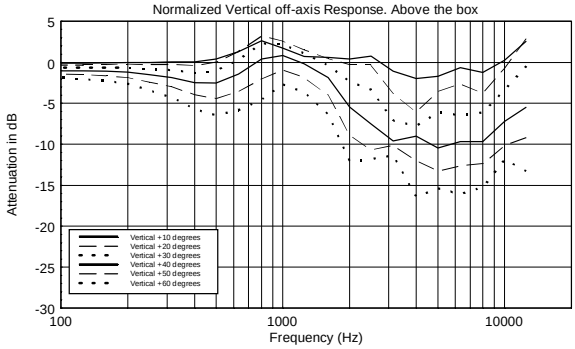

414.9 [16.34]
236.4 [9]
709.9 [28]
6.7 [.26]
236.5 [9.31]
MIO
50°
410 [16.14]
MIO
312.9 [12.3]
PowerCON
TRUE TOP
VISTA 3D / 3D VIEW
SPEAKER ART 945-A 220-240V
REV.
A

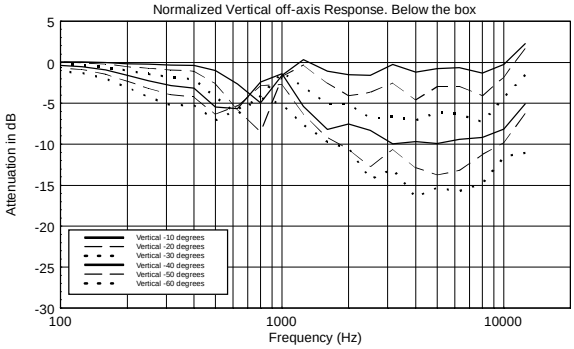

Response -20dBu/2m
dB SPL
120
110
100
90
80
70
20
100
1000
10000
Frequency (Hz)

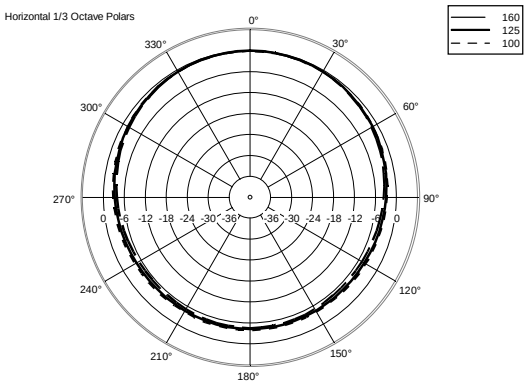

Beamwidth vs. Frequency
Horizontal Beamwidth (1/3 Octave)
Vertical Beamwidth (1/3 Octave)
Coverage Angle (Deg.)
360
330
300
270
240
210
180
150
120
90
60
30
0
100
1000
10000
Frequency (Hz)

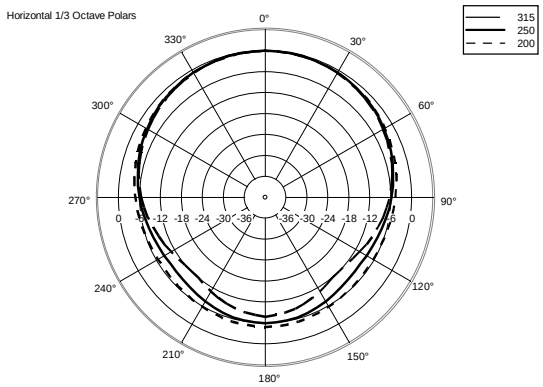

Directivity Index and Q
Total Q
Directivity index DI, dB
100
10
1
20
18
16
14
12
10
8
6
4
2
0
100
1000
10000
Frequency (Hz)

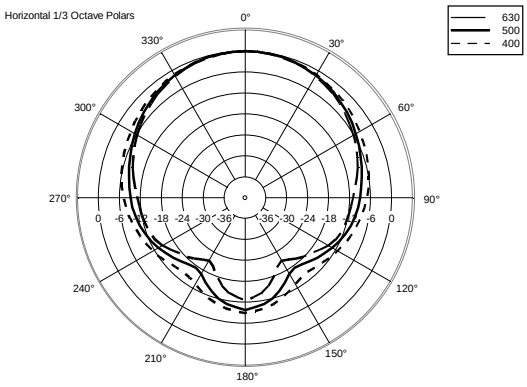

Normalized Horizontal off-axis Response
Attenuation in dB
5
0
-5
-10
-15
-20
-25
-30
Horizontal ±10 degrees
Horizontal ±20 degrees
Horizontal ±30 degrees
Horizontal ±40 degrees
Horizontal ±50 degrees
Horizontal ±60 degrees
100
1000
10000
Frequency (Hz)

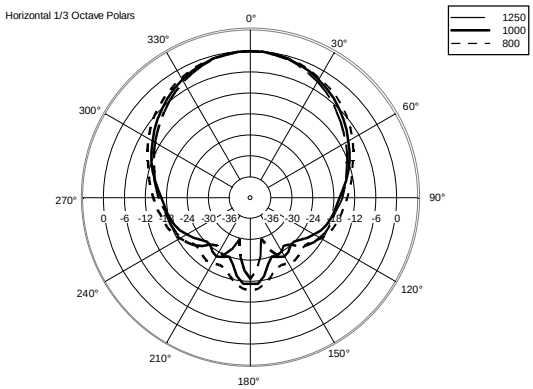

Normalized Vertical off-axis Response. Above the box
Attenuation in dB
5
0
-5
-10
-15
-20
-25
-30
Vertical +10 degrees
Vertical +20 degrees
Vertical +30 degrees
Vertical +40 degrees
Vertical +50 degrees
Vertical +60 degrees
100
1000
10000
Frequency (Hz)

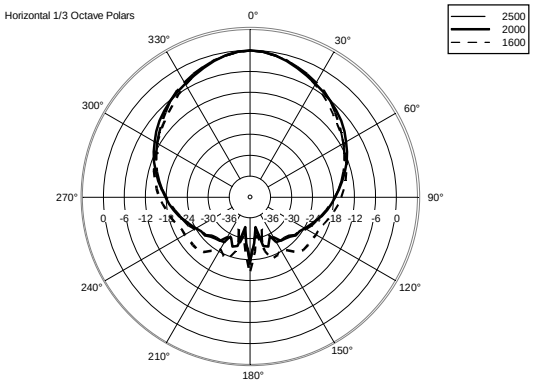

Normalized Vertical off-axis Response. Below the box
Attenuation in dB
5
0
-5
-10
-15
-20
-25
-30
Vertical -10 degrees
Vertical -20 degrees
Vertical -30 degrees
Vertical -40 degrees
Vertical -50 degrees
Vertical -60 degrees
100
1000
10000
Frequency (Hz)

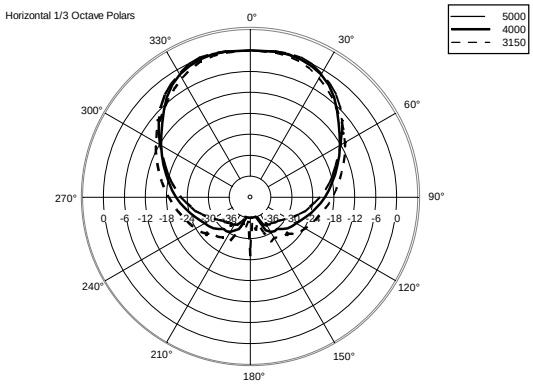

Horizontal 1/3 Octave Polars
160
125
100

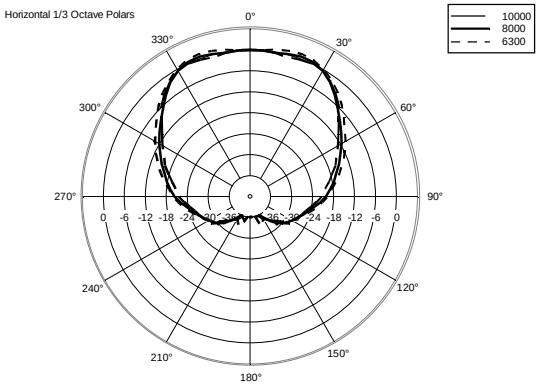

Horizontal 1/3 Octave Polars
315
250
200

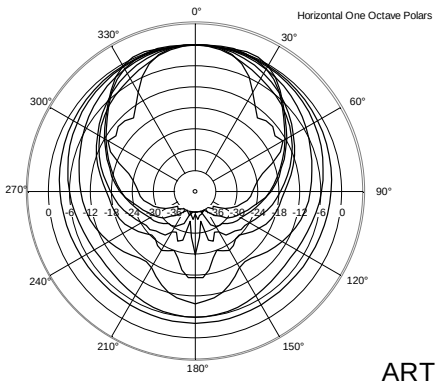

Horizontal 1/3 Octave Polars
630
500
400

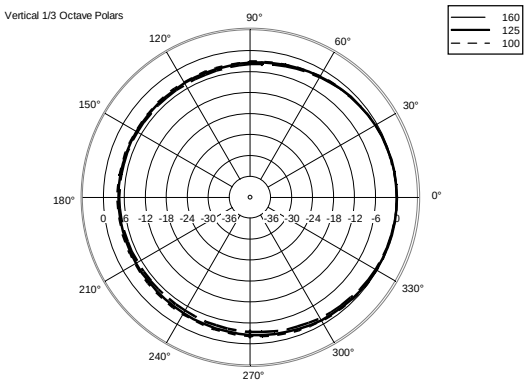

Horizontal 1/3 Octave Polars
1250
1000
800

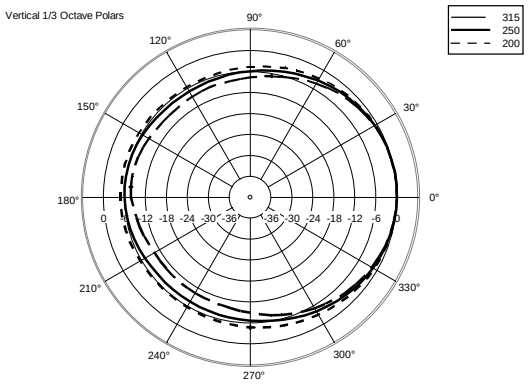

Horizontal 1/3 Octave Polars
2500
2000
1600

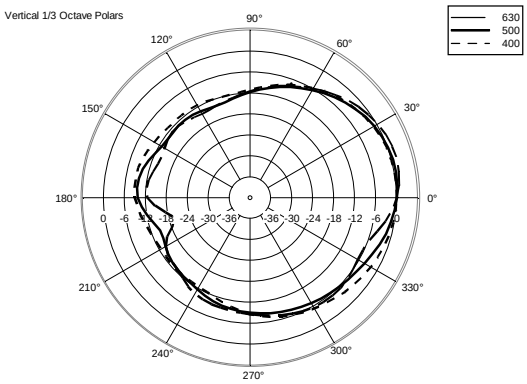

Horizontal 1/3 Octave Polars
5000
4000
3150

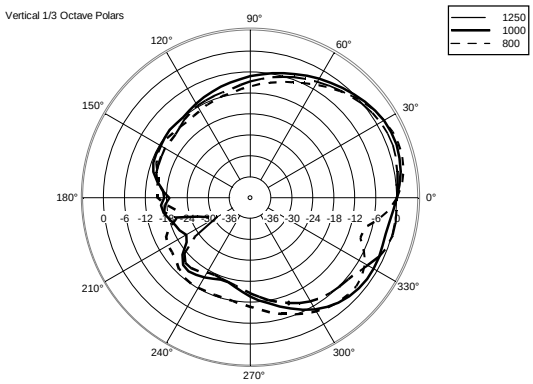

Horizontal 1/3 Octave Polars
10000
8000
6300

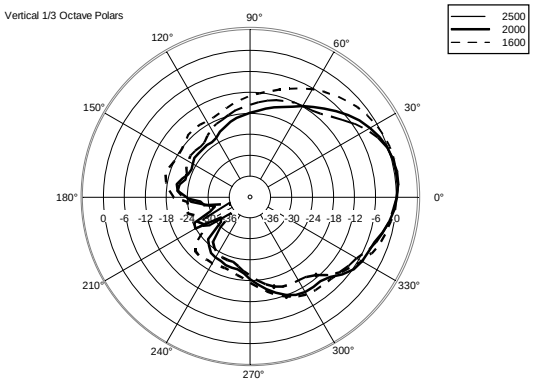

Horizontal One Octave Polars

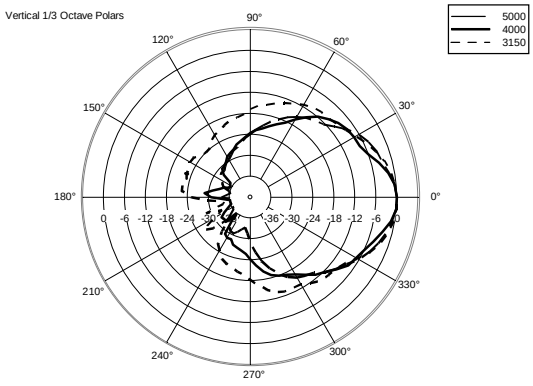

Vertical 1/3 Octave Polars
160
125
100

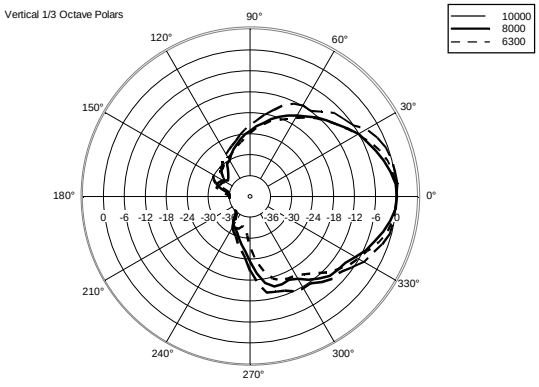

Vertical 1/3 Octave Polars
315
250
200

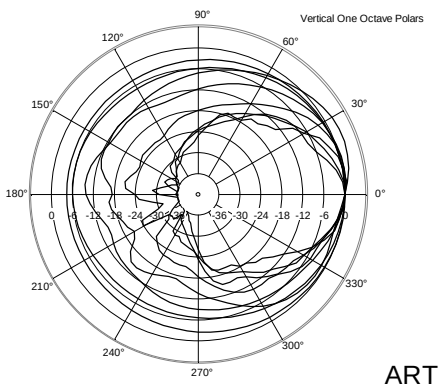

Vertical 1/3 Octave Polars
630
500
400


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 PM-M20

PART NUMBER **13360067**
EAN: 8024530014599



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 915

PART NUMBER **13360478**
EAN: 8024530018856



FLYING BRACKET FL-BR ART 915

PART NUMBER **13360481**
EAN: 8024530019174



HORIZONTAL BRACKET H-BR ART 915

PART NUMBER **13360479**
EAN: 8024530019198



VERTICAL BRACKET V-BR ART 915

PART NUMBER **13360480**
EAN: 8024530019181