Q 15-L

TWO-WAY POINT SOURCE MODULE

DESCRIPTION

Q 15-L is a two-way, bi-amp point source module for mid-distance and long-throw applications, combining a compact size with very high output and accurate speech and music reproduction. The system is equipped with the latest generation of RCF precision transducers featuring one 15" neodymium woofer and a 4" titanium-neodymium compression driver for a total of 1500 W power rating and 90° (vertical) and 22.5° (horizontal) directivity. The enclosure shape is trapezoidal and offers a 22.5° coupling angle on each side.
Q Series typical applications span from point-source configurations for mid-distance applications to clusters up to 8 modules for long-throw applications. The grille is epoxy-coated, with a woven fabric backing for dust protection. The cabinet is made of multi-ply Baltic birch plywood with a highly resistant, textured, black polyurea finishing and features two rear-panel Neutrik Speakon NL4 connections for bi-amplification (4 poles).



FEATURES

- 138 dB Max SPL
- 1500 W AES power handling
- 45 ÷ 20000 Hz
- 90° x 22.5° constant directivity coverage
- 1 x 15" neodymium woofer, 4.0" v.c.
- 4" neodymium compression driver
- Baltic birch plywood cabinet
- Steel front grille with clothing
- Integrated array mechanics
- Multi-pole Speakon connectors

TECHNICAL SPECIFICATIONS

Acoustical specifications	Frequency Response (-10dB):	45 Hz ÷ 20000 Hz
	Max SPL @ 1m:	138 dB
	Horizontal coverage angle:	22.5°
	Vertical coverage angle:	90°
	Directivity index Q:	20
Power section	Amplification:	Bi-Amp
	Crossover Frequencies:	600 Hz
	Recommended Amplifiers:	XPS 16K, XPS 16KD, QPS 10K
	Nominal Impedance LF:	8 ohm
	Power Handling LF:	1350 W
	Peak Power Handling LF:	5400 W
	Sensitivity LF:	97 dB
	Nominal Impedance HF:	8 ohm
	Power Handling HF:	150 W
	Peak Power Handling HF:	600 W
	Sensitivity HF:	113 dB
	Protections HF:	Capacitor on Compression Driver
Transducers	Compression Driver:	1 x 1.4" neo, 4.0" v.c
	Woofer:	15" neo, 4.0" v.c
Input/Output section	Input connectors:	Speakon® NL4
	Output connectors:	Speakon® NL4
Standard compliance	Safety agency:	CE compliant
Physical specifications	Hardware:	Side and rear array rigging point
	Handles:	2
	Color:	Black - RAL 9005
Size	Height:	860 mm / 33.86 inches
	Width:	446 mm / 17.56 inches
	Depth:	590 mm / 23.23 inches
	Weight:	55 kg / 121.25 lbs
Shipping information	Package Height:	9650 mm / 379.92 inches
	Package Width:	5850 mm / 230.32 inches
	Package Depth:	7750 mm / 305.12 inches
	Package Weight:	59 kg / 130.07 lbs

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

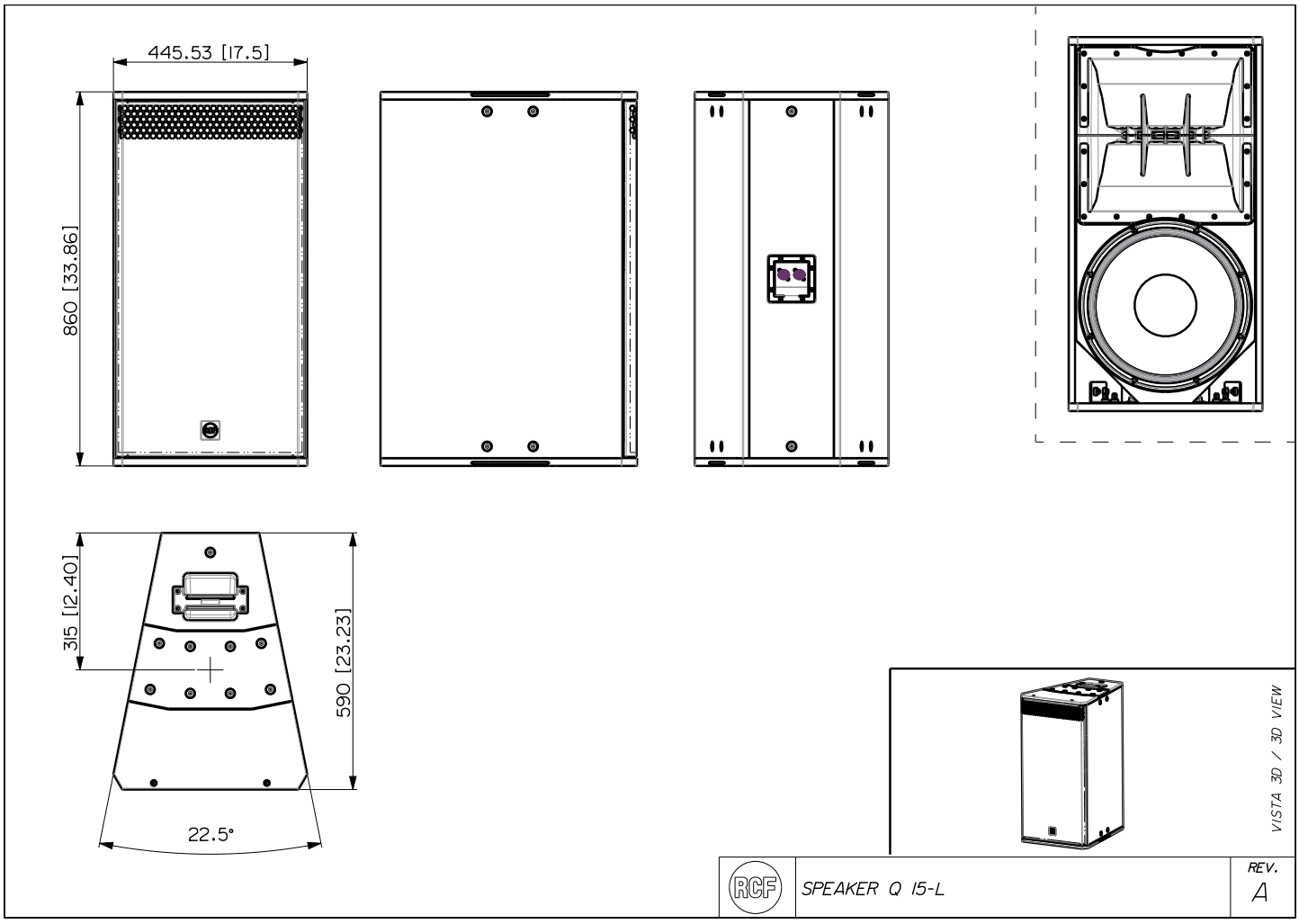
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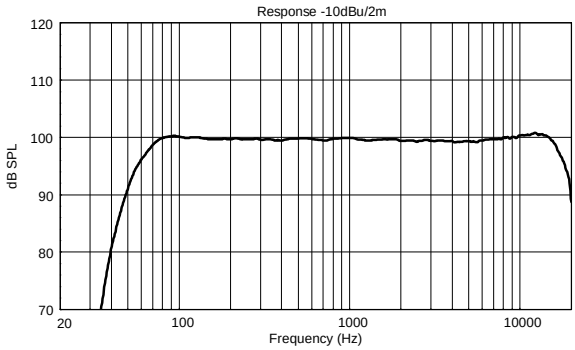
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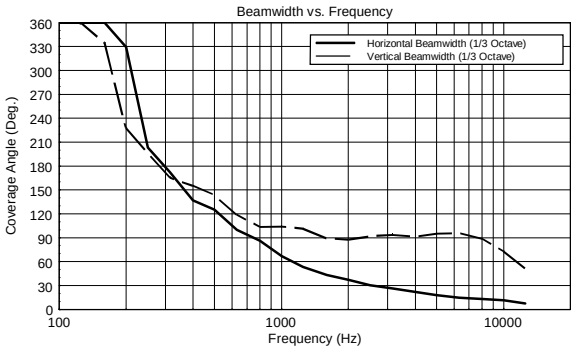
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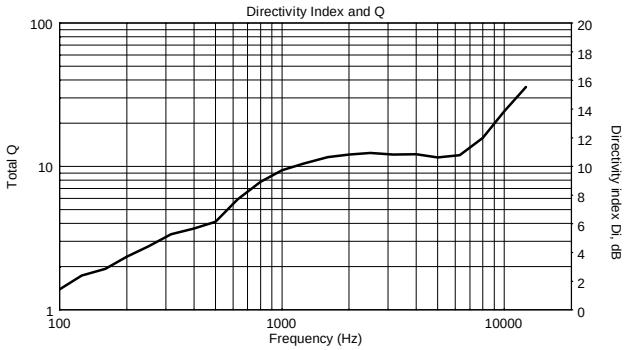
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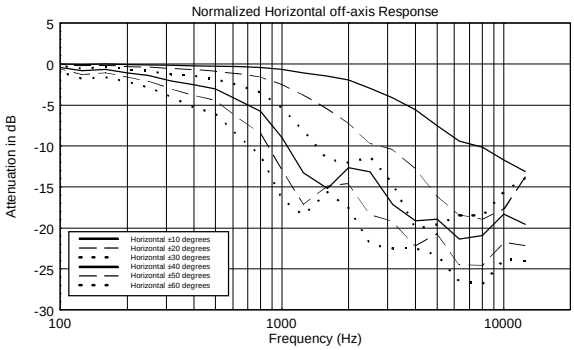
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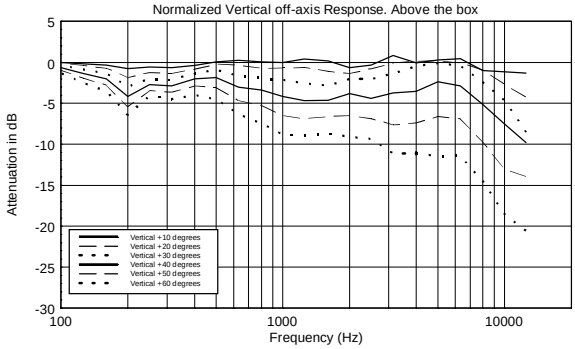

445.53 [17.5]
860 [33.86]
315 [12.40]
590 [23.23]
22.5°
VISTA 3D / 3D VIEW
SPEAKER Q 15-L
REV.
A

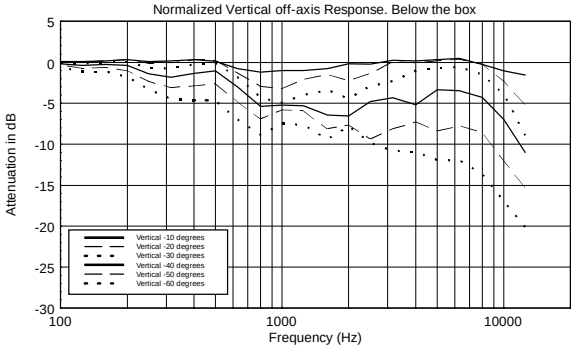

Response -10dBu/2m
dB SPL
Frequency (Hz)

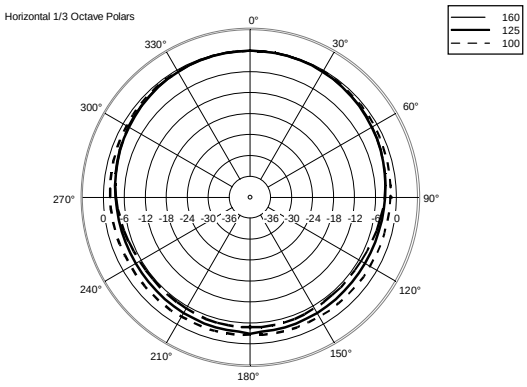

Beamwidth vs. Frequency
Horizontal Beamwidth (1/3 Octave)
Vertical Beamwidth (1/3 Octave)
Coverage Angle (Deg.)
Frequency (Hz)

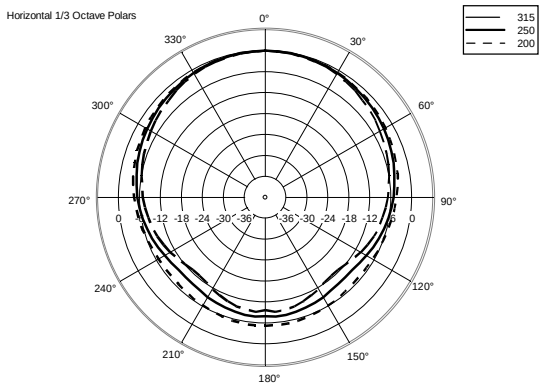

Directivity Index and Q
Total Q
Directivity index DI, dB
Frequency (Hz)

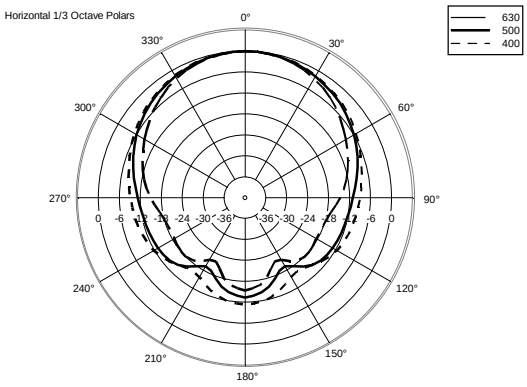

Normalized Horizontal off-axis Response
Attenuation in dB
Horizontal ±10 degrees
Horizontal ±20 degrees
Horizontal ±30 degrees
Horizontal ±40 degrees
Horizontal ±50 degrees
Horizontal ±60 degrees
Frequency (Hz)

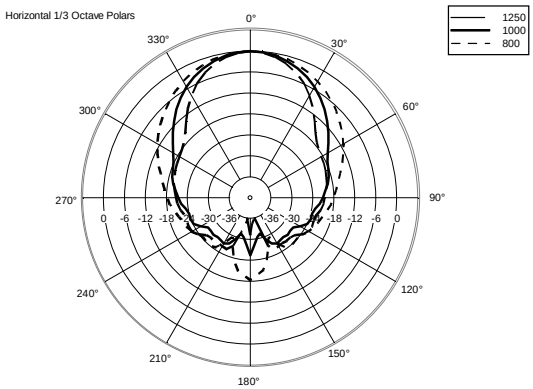

Normalized Vertical off-axis Response. Above the box
Attenuation in dB
Vertical +10 degrees
Vertical +20 degrees
Vertical +30 degrees
Vertical +40 degrees
Vertical +50 degrees
Vertical +60 degrees
Frequency (Hz)

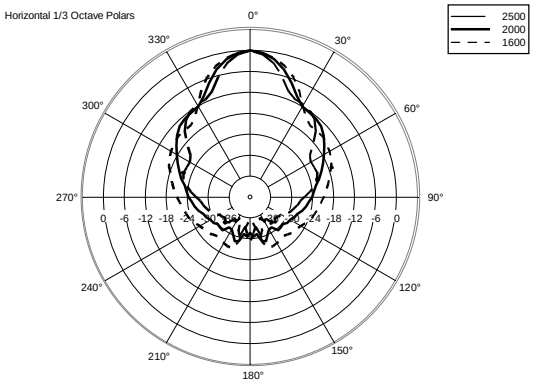

Normalized Vertical off-axis Response. Below the box
Attenuation in dB
Vertical -10 degrees
Vertical -20 degrees
Vertical -30 degrees
Vertical -40 degrees
Vertical -50 degrees
Vertical -60 degrees
Frequency (Hz)

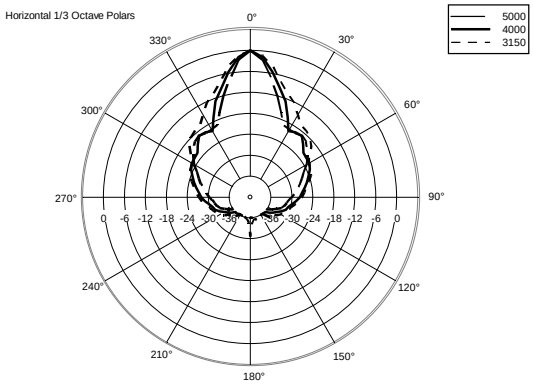

Horizontal 1/3 Octave Polars
160
125
100

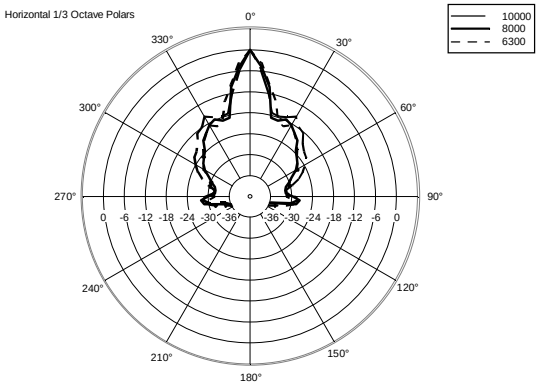

Horizontal 1/3 Octave Polars
315
250
200

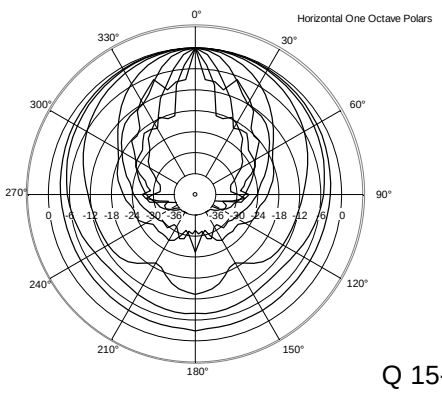

Horizontal 1/3 Octave Polars
630
500
400

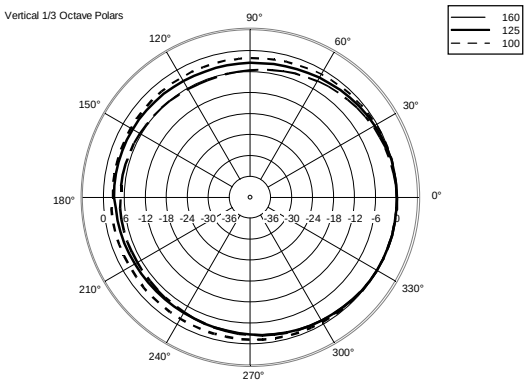

Horizontal 1/3 Octave Polars
1250
1000
800

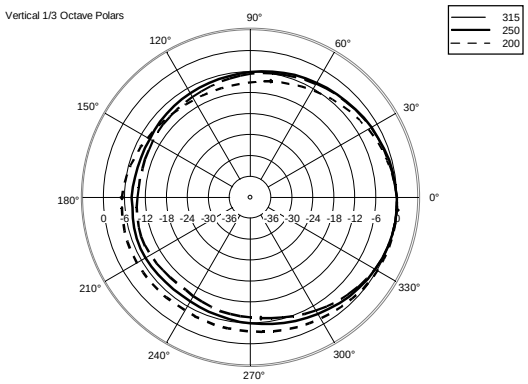

Horizontal 1/3 Octave Polars
2500
2000
1600

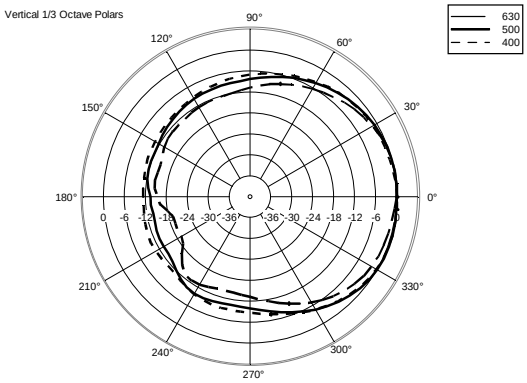

Horizontal 1/3 Octave Polars
5000
4000
3150

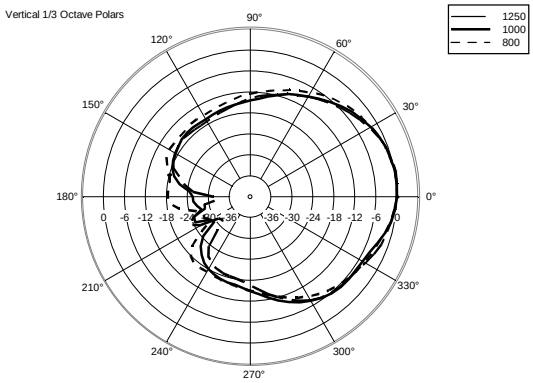

Horizontal 1/3 Octave Polars
10000
8000
6300

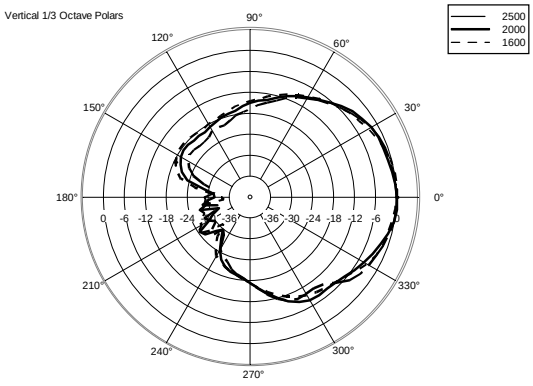

Horizontal One Octave Polars

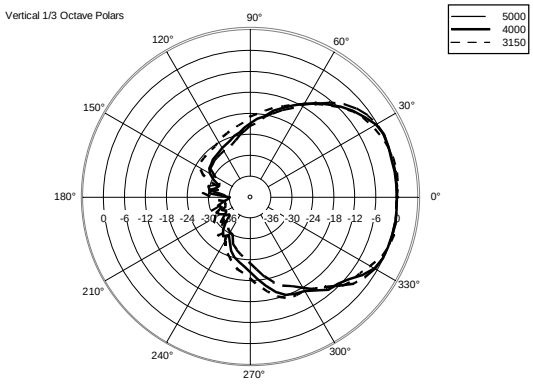

Vertical 1/3 Octave Polars
160
125
100

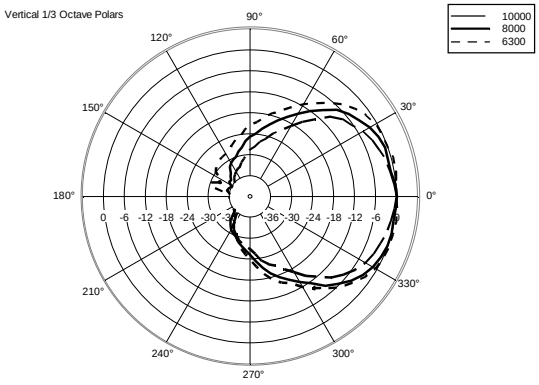

Vertical 1/3 Octave Polars
315
250
200

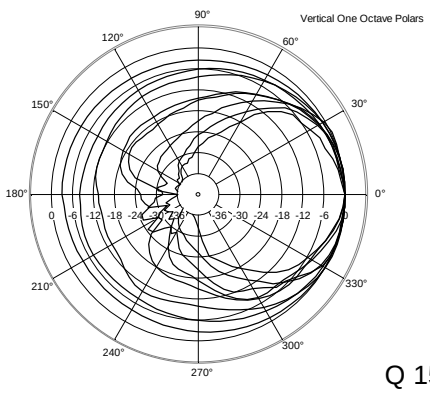

Vertical 1/3 Octave Polars
630
500
400


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



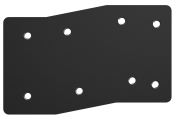
FLY BAR FL-B H Q 15

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EAN: 8024530019099



FLY BAR FL-B V Q 15

PART NUMBER **13360457**
EAN: 8024530019082



FLYING BRACKET C-BR 10° Q 15

PART NUMBER **13360487**
EAN: 8024530019662



PANEL PNL IN-OUT AMPHENOL

PART NUMBER **12399063**
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