# VMAX - V6

## HIGH POWER, TWO-WAY BASS REFLEX FULL RANGE SYSTEM



## DESCRIPTION

The V6 is a very compact, full range, extremely versatile two-way loudspeaker system.
It is carefully assembled in our Italian main factory and includes RCF woofers and drivers at the forefront of transducers technology. It can be used in "bi-amp" mode (an amplifier for low frequencies and another one for high frequencies) using an external crossover.

The tight and powerful woofer is a new design that features a 1.8" aluminium voice coil with high excursion, that handles 200 W AES power. A special cabinet protection provides additional resistance against weather and water. The 1.7" diaphragm compression driver with a 1.0" exit throat is precision formed using polyester. The voice coil is assembled using high-temperature Kaptoner former, a rectangular profile copper clad aluminium wire and advanced, specially formulated adhesives.

The cabinet is made of Baltic birch plywood, and coated with high resistance polyurea paint. It features a steel pole mount cap and rear mounting M10 points. The side is designed with an angle for near field monitoring or under-balcony applications. The steel front grilles are protected with a robust double-mesh polyester clothing. The front RCF logo is easy to rotate.

All models have two Neutrik Speakon NL4 connectors (audio input and parallel link output).

## MAIN APPLICATIONS

- Live performance
- DJ set
- Rental solutions
- Permanent installations
- Portable systems
- Supplementary fill for larger systems

## MAIN FEATURES

- 6" high power, 1.8" voice coil mid bass
- 1 x 1.7" high power titanium compression driver
- 124 dB max SPL
- High output, response down to 60 Hz
- Birch plywood cabinet
- Weather resistant, textured, polyurea finish
- Epoxy powder coated front grille

### ACOUSTICAL SPECIFICATIONS

| | |
|---|---|
| Frequency response: | 60 - 20000 Hz |
| Max SPL: | 123 dB |
| Sensitivity 1W/1m: | 94 dB |
| Coverage angle: | H 90° x V 60° |
| Compression driver: | 1.0", 1.7" Voice coil |
| Midrange: | - |
| Woofer: | 6", 1.8" voice coil |
| Power handling: | 200 W |
| Peak Power handling: | 800 W |

### INPUT SECTION

| | |
|---|---|
| Input signal (Impedance): | 8 Ω |
| Input connector: | 2 x SPEAKON NL4 |
| Output signal connector: | - |

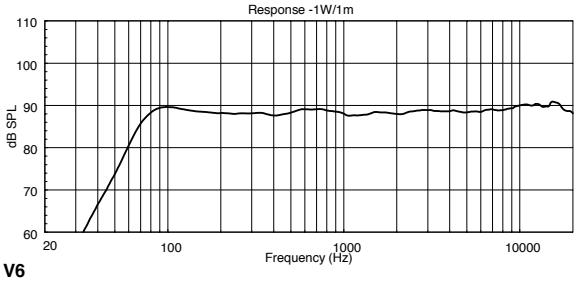
### DX 4008 FOR EXTERNAL PROCESSING AND FILTERING IS REQUIRED

| | |
|---|---|
| Passive crossover frequency: | 1400 Hz |
| Protections: | Bulb lamp dynamic |

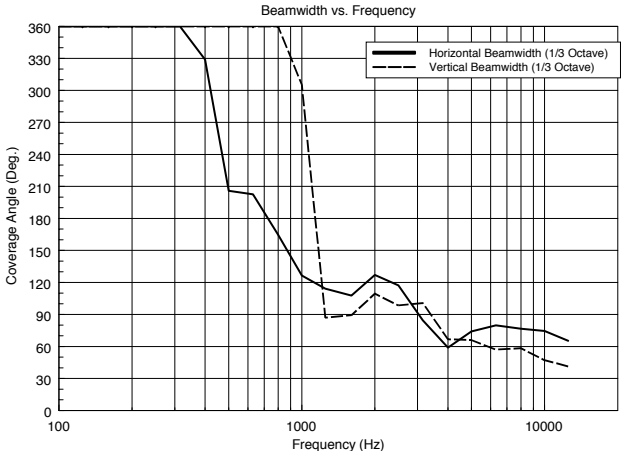
### PHYSICAL

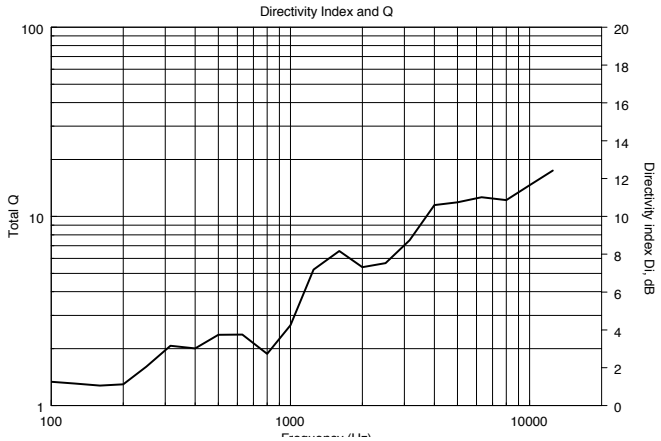
| | |
|---|---|
| Cabinet: | 15mm Birch Plywood |
| Dimensions (HxWxD): | 400 x 230 x 256,6mm (15.75"x 9.06"x 10.46") |
| Weight: | 9 kg (19,18 lbs) |
| Hardware: | Pole mount, 9 x M10 |
| Handles: | - |
| Colour: | Black |

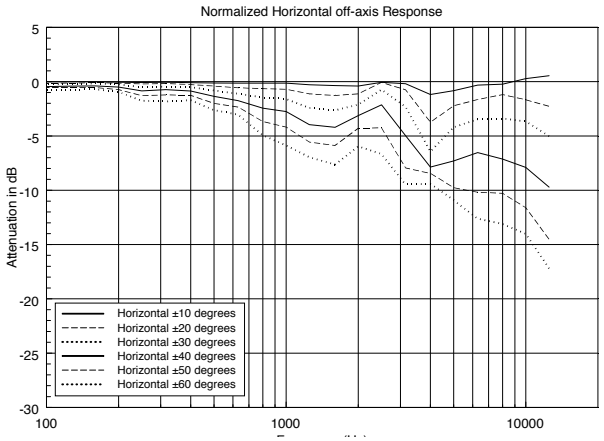
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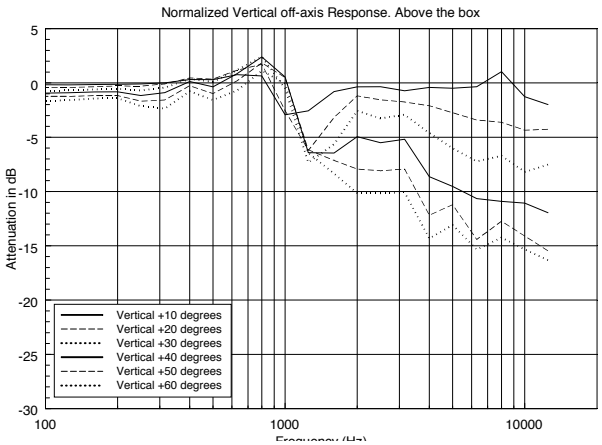

Response -1W/1m
dB SPL
Frequency (Hz)
110
100
90
80
70
60
20
100
1000
10000

**V6**


Beamwidth vs. Frequency
Coverage Angle (Deg.)
Frequency (Hz)
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

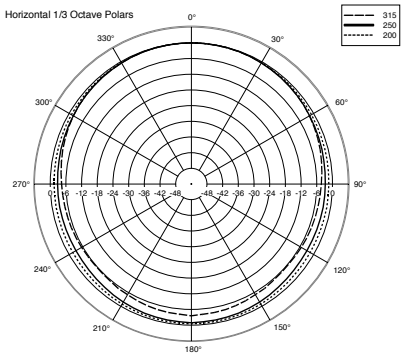

Directivity Index and Q
Total Q
Directivity index Di, dB
100
10
1
20
18
16
14
12
10
8
6
4
2
0
100
1000
10000

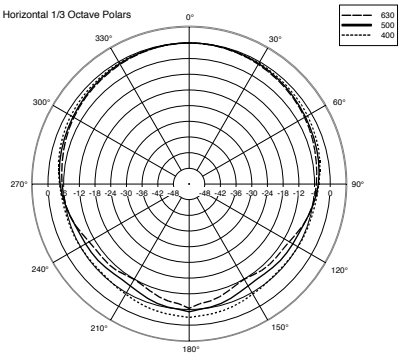

Normalized Horizontal off-axis Response
Attenuation in dB
Horizontal ±10 degrees
Horizontal ±20 degrees
Horizontal ±30 degrees
Horizontal ±40 degrees
Horizontal ±50 degrees
Horizontal ±60 degrees
5
0
-5
-10
-15
-20
-25
-30
100
1000
10000

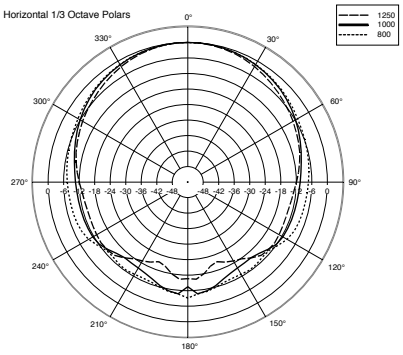

Normalized Vertical off-axis Response. Above the box
Attenuation in dB
Vertical +10 degrees
Vertical +20 degrees
Vertical +30 degrees
Vertical +40 degrees
Vertical +50 degrees
Vertical +60 degrees
5
0
-5
-10
-15
-20
-25
-30
100
1000
10000

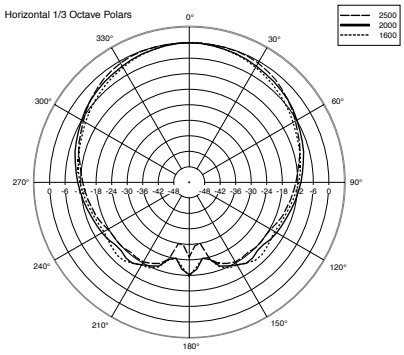
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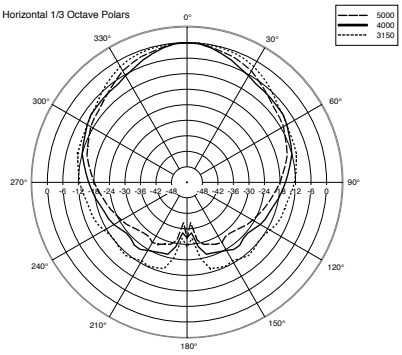
## HORIZONTAL 1/3 POLAR PLOT

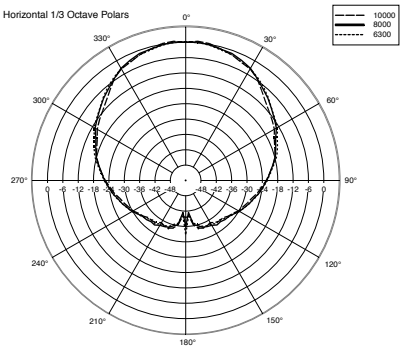


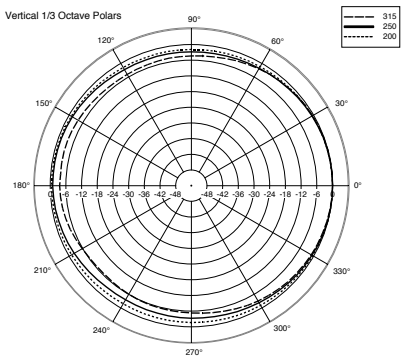



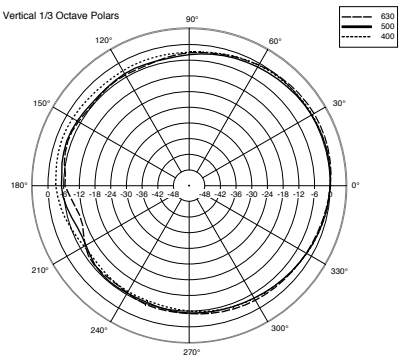



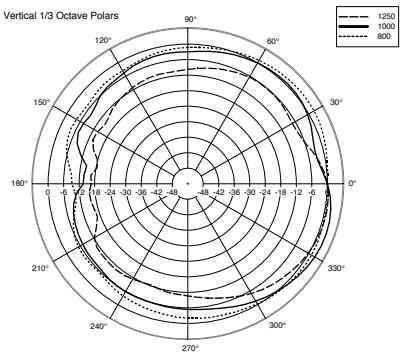



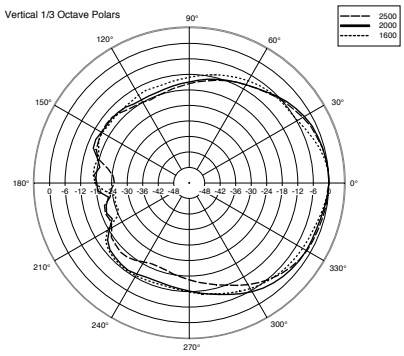



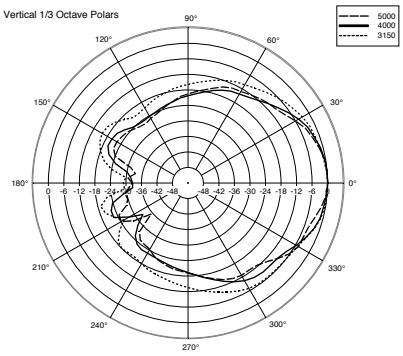

## VERTICAL 1/3 POLAR PLOT

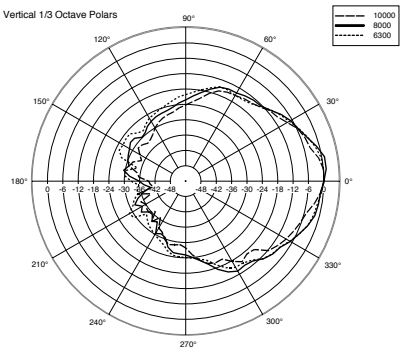


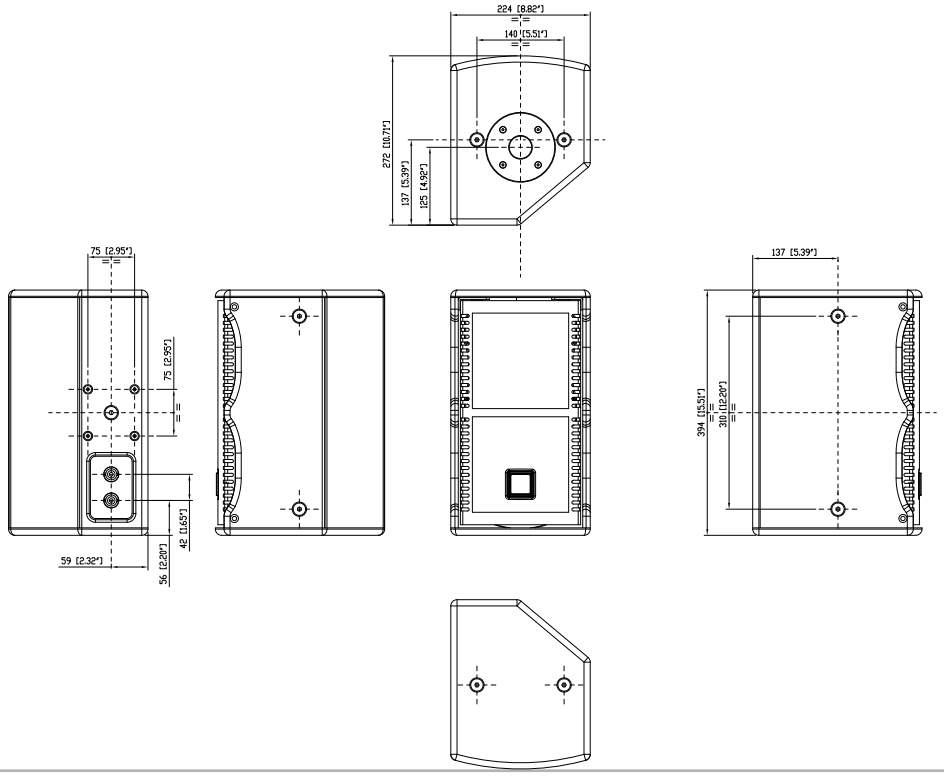
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## PART NUMBER

13000437

## DIMENSIONS (All data are in mm)




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