

VIETA



Re-8

2-way speaker

The Re-8 is a 2-way speaker with multi angle trapezoid shaped enclosure. Thanks to this shape is easy to group them with an axis division from the minimum 20° to the maximum 50°.

The Re-8 is a bass reflex enclosure with an 8" LF driver and a 1" HF compressor neodymium driver comprising an aluminium alloy rotary horn of constant directivity.

This speaker works in passive way thanks to 12/18 dB asymmetric filters, impedance adapters and, the main thing, a phase correcting circuit. With all this components it is possible to get a flat response from 100 Hz to the 10 kHz.

It is specially indicated for rent companies or installations like pubs or night clubs.

The Re-8 is made of multilayer birch plywood, internally reinforced by wood rings, this avoids enclosure vibration and gives it an excellent strength. It could be installed horizontally or vertically thanks to 6 M6 + 4 M6 and the bracket specially designed for the Re-8. It has also a pole mount socket 35 mm and one handle.

It is black vitrodur painted finish with a 1,5 mm perforated coated steel black finish.

It is recommended to be used with a VDC-1 or VDC-2 controller in order to get high dynamic and a best control over the speaker.

Specifications

(1) Frequency Response (± 3 dB)	90 Hz - 17 KHz
(2) Frequency Range (-10 dB)	60 Hz - 18,7 KHz
Recommended High Pass Filter	60 Hz 24 dB / octave Butt or Linky
(3) Nominal Beamwidth (-6 dB)	Horizontal 90° / Vertical 50°
Crossover Mode	2-ways Pasive
Crossover Frequency	1,9 KHz
Nominal Impedance	8 ohms
Minimum Impedance	6,186 ohms @ 206 Hz
(4) Axial Sensitivity	SPL 92 dB (1W @ 1m)
Power Rating (Continuous, Program, Peak)	200 W / 400 W / 800 W
(5) Calculated Axial Output Limit	Average 118 dB / Peak 124 dB
Components	1 x 8" Driver + 1 x 1" Neo HF Driver
Voice Coil Diameter	Driver 51 mm / HF driver 44,4 mm
Enclosure	Birch board
Rigging Points	M6x6 for bracket Vieta CB-80 M6x6 for bracket Vieta WB-80 or omnimount serie30
Finish	Black Textured
Grill	1,5 mm perforated steel, Black finish
Connectors	Neutrik Speakon NL-4 x 2
Dimensions (H x W x D)	460 x 280 x 292 mm
Net Weight	12 Kg

Measuring conditions

(1) Frequency response

This is the measured SPL as a function of frequency, from 20 Hz to 24 kHz, referenced to a distance of 1m and to a Nominal 1 W input. Environment: Anechoic

(2) Operating range

The Operating Range is intended to define the useful range of frequencies over which the loudspeaker can be used to reproduce quality sound. Industry experience has shown that if the output level at the frequency extremes of a loudspeaker is within 10 db of the flat or linear portion of the frequency response, it can be audibly significant and useful for reproduction.

(3) Nominal Beamwidth

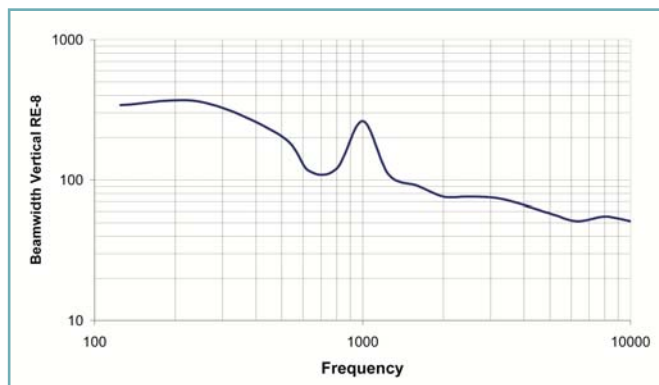
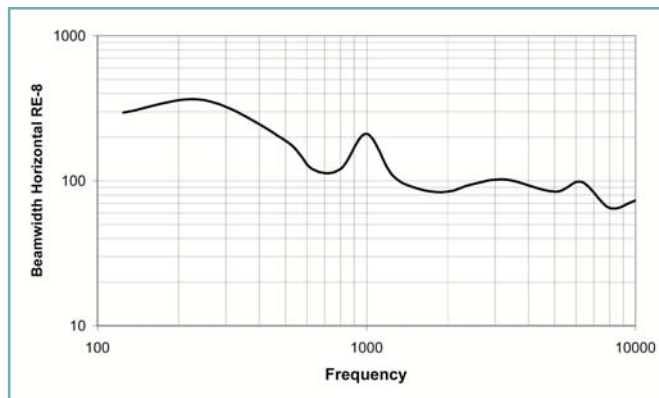
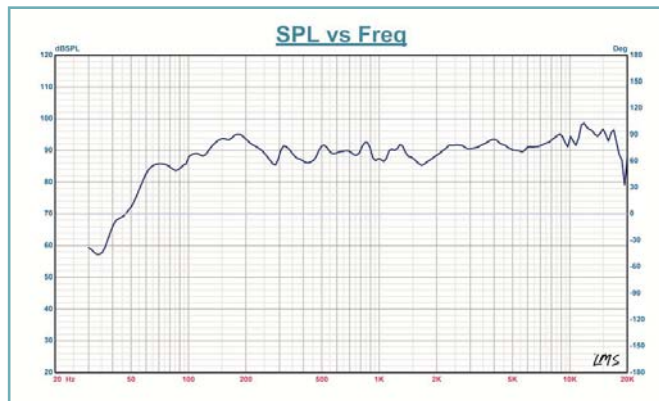
This is calculated included angle between the measured first -6 dB SPL points on each side of the loudspeaker axis, from front to rear, relative to highest SPL point for each frequency band from 100 Hz to 20 kHz, in the horizontal and vertical planes, referenced to a distance of 3 m. Environment :Anechoic.

(4) Axial sensitivity

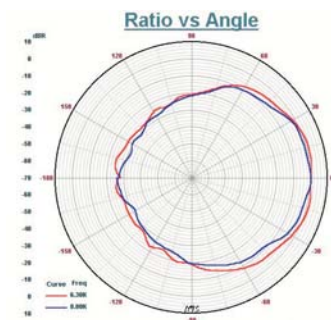
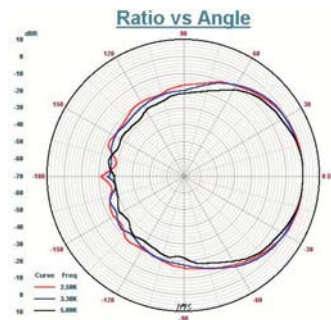
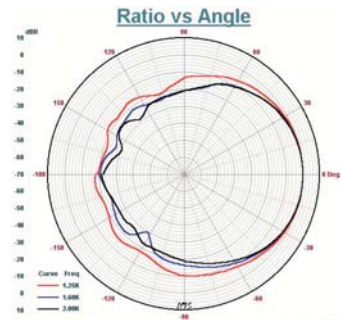
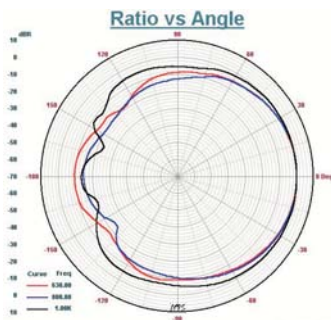
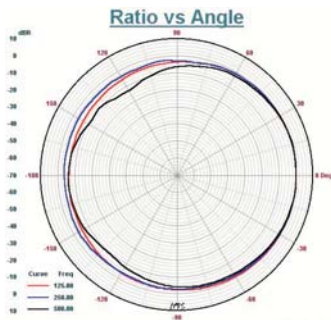
Standard audio industry measurement practice is to specify sensitivity as the SPL produced at 1m with an input level of 1 W. Environment: Anechoic for all. ½ space for subwoofers & stage monitors

(5) Calculated Axial Output Limit

This is called "Output Limit" because it is calculated as the theoretical SPL produced at the limit program power rating.
Calculate Average SPL limit: (10 log. W program + axial sensitivity)
Calculate Peak SPL limit: (average SPL limit + 6 dB)

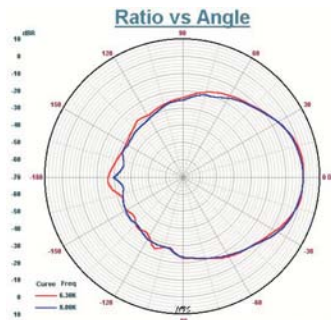
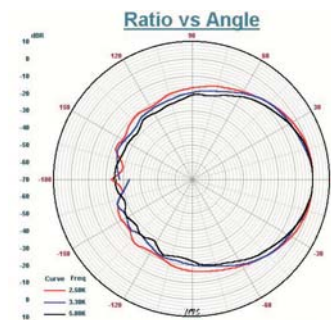
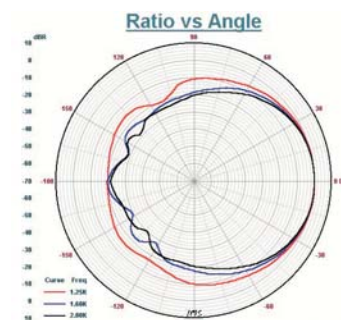
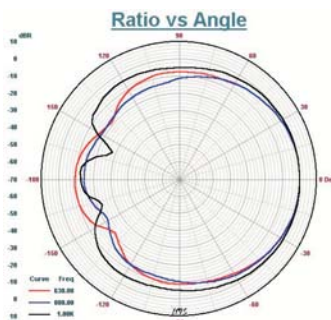
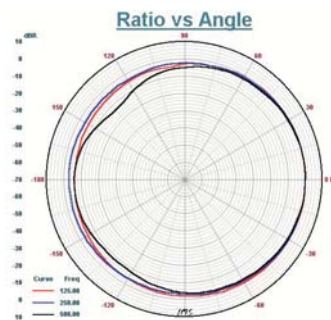


Horizontal Polar Curve



Freq	BW	Q	DI
125.00	295	1.2	0.9
250.00	360	1.0	0.0
500.00	169	1.9	2.8
630.00	120	3.0	4.8
800.00	120	3.0	4.8
1.00K	211	1.7	2.3
1.25K	109	3.3	5.2
1.60K	87	4.1	6.2
2.00K	84	4.3	6.3
2.50K	95	3.8	5.8
3.30K	102	3.5	5.5
5.00K	84	4.3	6.3
6.30K	98	3.7	5.6
8.00K	65	5.5	7.4

Vertical Polar Curve



Freq	BW	Q	DI
125.00	342	1.1	0.2
250.00	360	1.0	0.0
500.00	204	1.8	2.5
630.00	116	3.1	4.9
800.00	120	3.0	4.8
1.00K	262	1.4	1.4
1.25K	109	3.3	5.2
1.60K	91	4.0	6.0
2.00K	76	4.7	6.7
2.50K	76	4.7	6.7
3.30K	73	5.0	6.9
5.00K	58	6.2	7.9
6.30K	51	7.1	8.5
8.00K	55	6.6	8.2

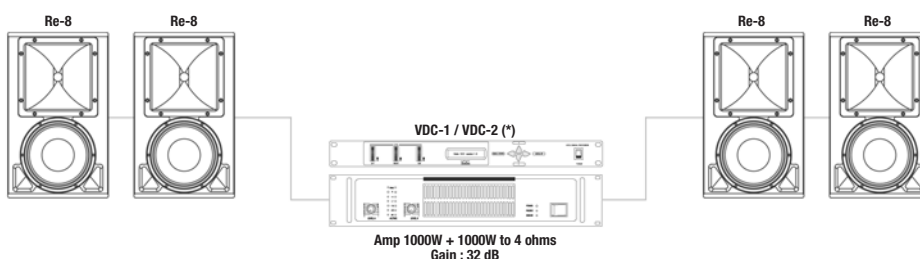
Applications

Public Address System and Background Music
Pubs and Night Clubs
Theaters, Auditoriums and Discotheques

Instalations

Individual rigging
Wall mount

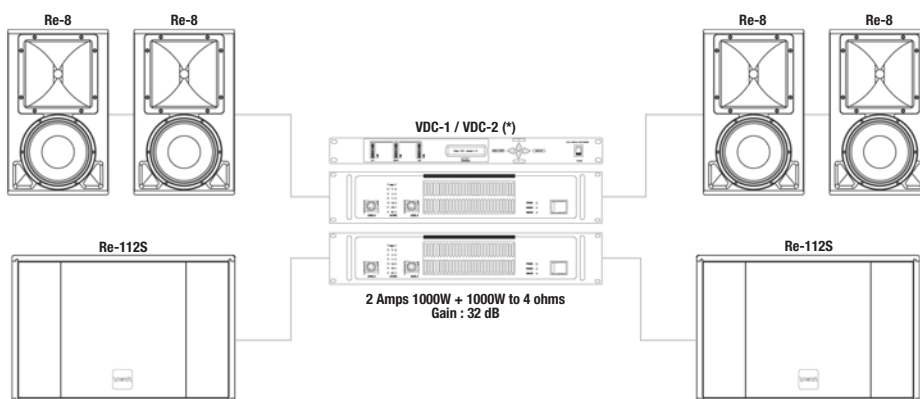
Recommended Passive Configuration num. 1



System :	Re-8 x 4	S.P.L. Max / Peak :	127,5 dB / 133,5 dB
Recommended Amp :	Min. 600W / Max.1000W	Frequency Response :	60 Hz - 19 Khz
Controller :	VDC-2 memory 21	Power RMS :	2000W
Controllerr :	VDC-2 setup Re-8		

(*) **OPTIONAL** : Vieta recommends the use of the VDC-1or VDC-2 processor in order to optimize your frequency and dynamic response and thus to control the maximum power application for the system.

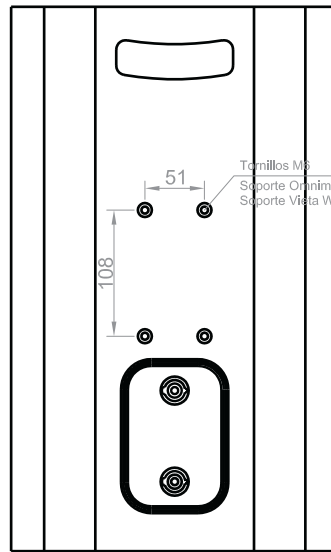
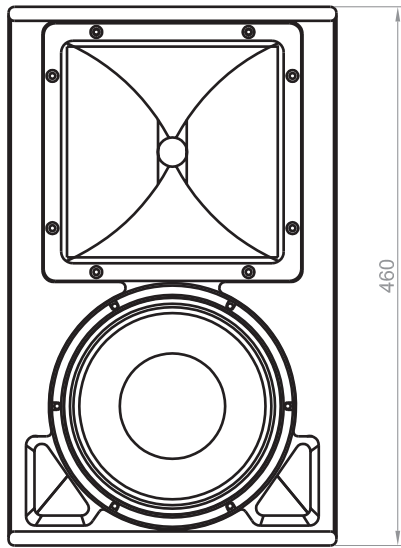
Recommended Active Configuration num. 1



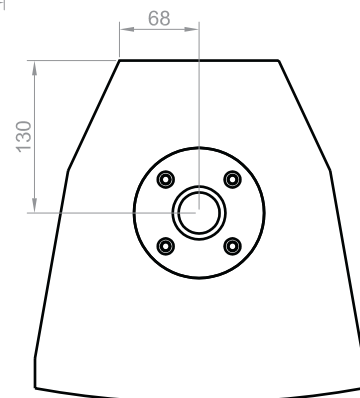
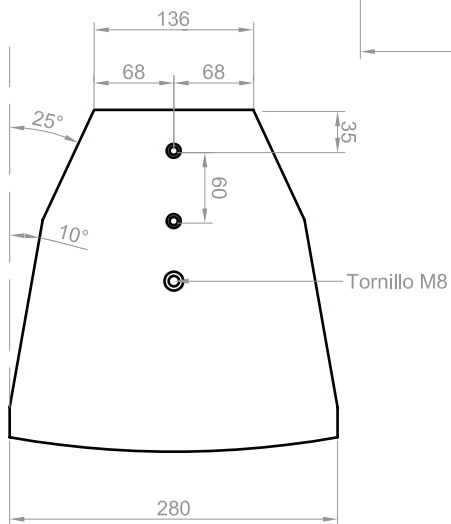
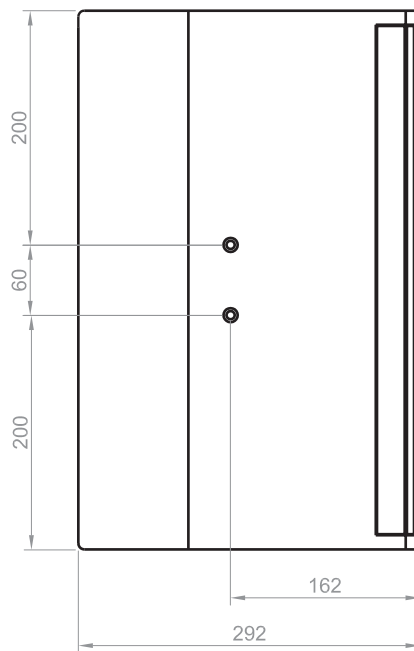
System :	Re-8 x 4 + Re-112S x 2	S.P.L. Max / Peak :	129,5 dB / 135,5 dB
Recommended Amp :	Min. 600W / Max.1000W	Frequency Response :	40 Hz - 19 Khz
Controller :	VDC-2 memory 22	Power RMS :	3200W
Controllerr :	VDC-2 setup Re-8 + Re-112S		

(*) **OPTIONAL** : Vieta recommends the use of the VDC-1or VDC-2 processor in order to optimize your frequency and dynamic response and thus to control the maximum power application for the system.

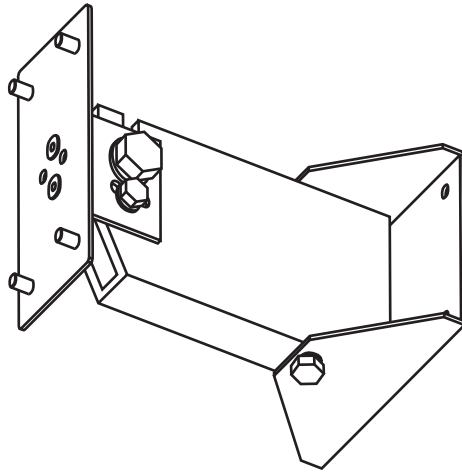
■ Dimensions in mm



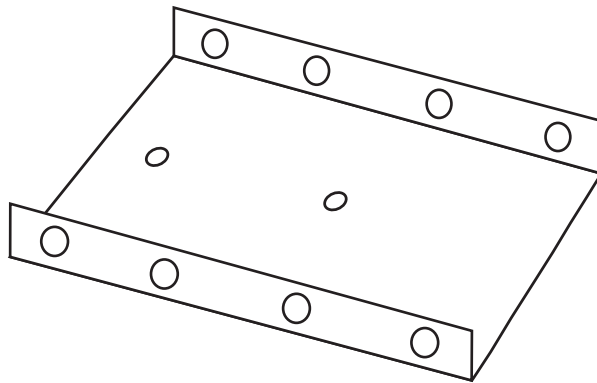
Tornillos M8
Soporte Ormimcunt serie 30 - 14 Kg.
Soporte Vista W8-80



■ Accessories



WB-80



CB-80