VERTUS CLA 604A - Column Active Line Array

PWM AMPLIFIER | SWITCH MODE POWER SUPPLY | NEODYMIUM WOOFER | DIGITAL PROCESSOR | LIGHTWEIGHT | HARDWARE FOR PERMANENT INSTALLATION

APPLICATIONS

- School and corporate audio visual sound reiforcement
- Background music/announcement: Restaurants, Pubs
- Transportation terminals, Clubs, Auditorium, Theatres, Gyms, Houses of worship
- Ideal for both live applications, assisted by the CLA 208SA active subwoofer, as well as for fixed installation

FEATURES

- 2 way bi-amplified line array column
- Extruded-aluminum powder coated cabinet
- High level sound quality
- Long distance sound projection
- 6 x 4" custom woofer with 1" voice coil
- 4 x 1" neodymium dome tweeter on waveguide
- Class D 400W RMS amplifier for LF
- 100W RMS for HF with switch mode power supply
- DSP processor with 4 presets
- 100°H x 20°V dispersion
- Completely Manufactured in Italy

PRODUCT DESCRIPTION

The FBT VERTUS CLA 604A two-way bi-amplified speaker system incorporates 6 x 4" custom woofer with 1" voice coil and 4 x 1" neodymium dome tweeter on waveguide. The internal Class D amplification, 400W for woofers, 100W for tweeters and DSP processor with 4 equalization presets provide unexpected dynamics in a system of these dimensions. The FBT VERTUS CLA 604A shall meet the following performance criteria: frequency response of 130Hz to 20kHz, maximum SPL of 125dB. The FBT VERTUS CLA 604A provides a DSP with 4 EQ presets. The FBT VERTUS CLA 604A feature an extruded aluminum construction and the front shall be protected by a heavy duty metal grille. The control panel provides volume, preset, HP filter, sources switch, 3 status led (on, peak, prt/limit), XLR input and Neutrik Powercon supply input at the lower part of the column and XLR link and Neutrik Powercon loop out at the higher part. Superior as well as inferior latching system, enables the extension of the lenght of the line array adding CLA 604A modules for a greater modularity of the system and possibility to angle the columns of ±30° on the horizontal plane.
The rapid latching system with pins allows for the expansion of the system, doubling-up CLA 208 SA modules to form a unified column with an absolute and coherent source integration.

ELECTRICAL PERFORMANCE

System Type	2 way bi- biamplified
Built-in Amplifiers LF / HF *	cont.: 350W RMS / 80W RMS
	max.: 400W RMS / 100W RMS
	peak.: 800W / 200W
Frequency Response @ -6dB	130Hz - 20kHz
Input Impedance	22kOhm
Maximum SPL (cont. / peak) **	122dB / 125dB
Dispersion	100° H x 20° V
Crossover Frequency	2.5 kHz
AC Power requirement	450 VA

PHYSICAL

Low Frequency Woofer	6 x 4" - 1" coil
High Frequency Driver	4 x 1" - 1" coil
Input Connectors	XLR with loop
Net Dimensions (WxHxD)	5.12" x 33.1" x 5.12" 130 x 841 x 130mm
Shipping Dimensions (WxHxD)	8.66" x 36.61" x 8.66" 220 x 930 x 220mm
Net Weight	19.84 lbs / 9 kg
Shipping Weight	25.35 lbs / 11.5 kg
Enclosure Material	aluminum
Power cord	16.4 inch / 5 mt.

* CONT.: 500mS, rms power on nominal speaker impedance
MAX.: 2mS burst, rms power on nominal speaker impedance
MAX PEAK: based on max peak output voltage and nominal speaker impedance

** CONT. SPL: free space, based on continuous power amp rating and LF transducer average sensitivity data, 125mS time average
PEAK SPL: free space, based on max peak power amp rating and system peak sensitivity, 10mS time average

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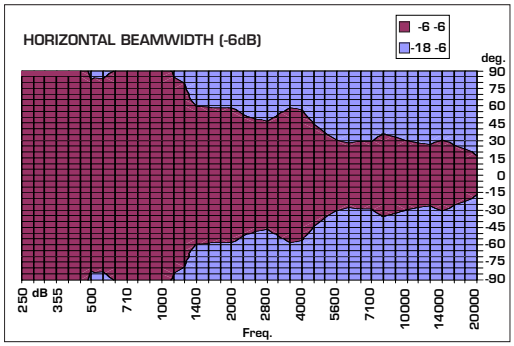
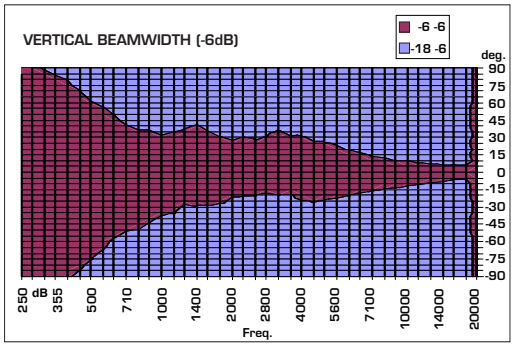
DIAGRAMS


HORIZONTAL BEAMWIDTH (-6dB)
-6 -6
-18 -6
deg.
90
75
60
45
30
15
0
-15
-30
-45
-60
-75
-90
250
dB
355
500
710
1000
1400
2000
2800
4000
5600
7100
10000
14000
20000
Freq.


VERTICAL BEAMWIDTH (-6dB)
-6 -6
-18 -6
deg.
90
75
60
45
30
15
0
-15
-30
-45
-60
-75
-90
250
dB
355
500
710
1000
1400
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5600
7100
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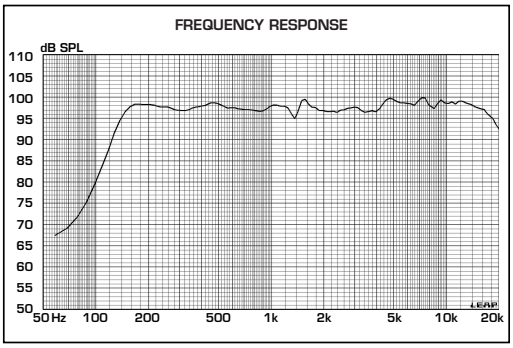
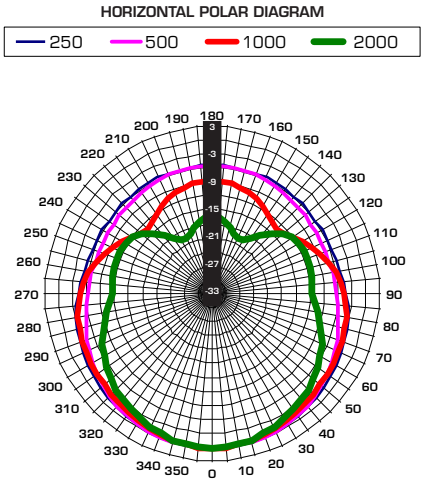
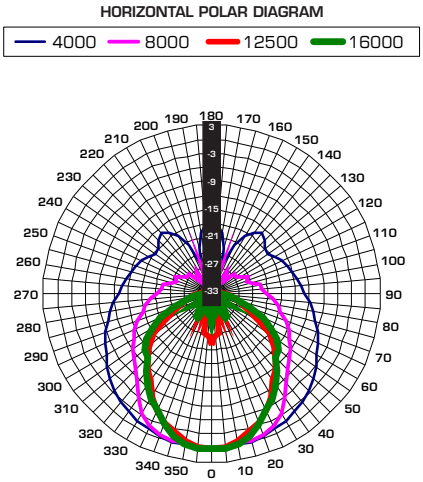
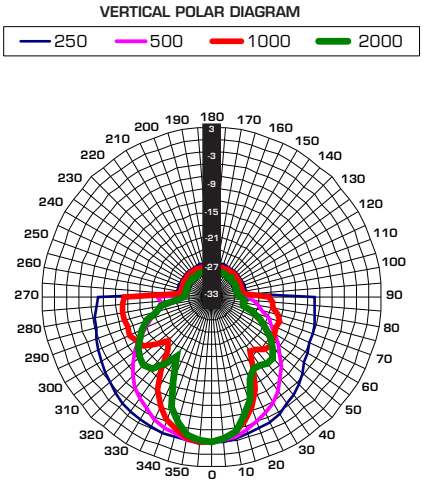
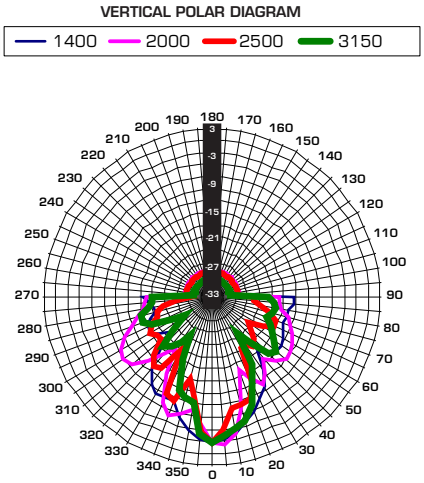
14000
20000
Freq.

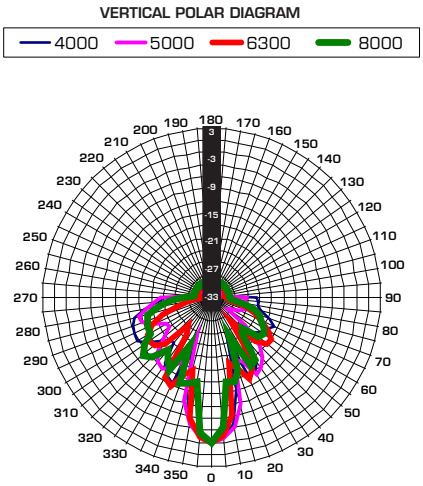

FREQUENCY RESPONSE
dB SPL
110
105
100
95
90
85
80
75
70
65
60
55
50
50 Hz
100
200
500
1k
2k
5k
10k
20k

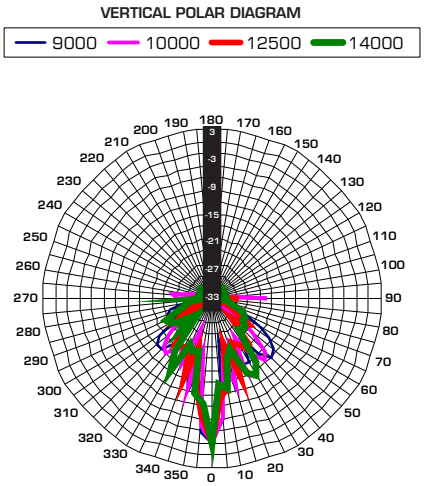

HORIZONTAL POLAR DIAGRAM
250
500
1000
2000


HORIZONTAL POLAR DIAGRAM
4000
8000
12500
16000

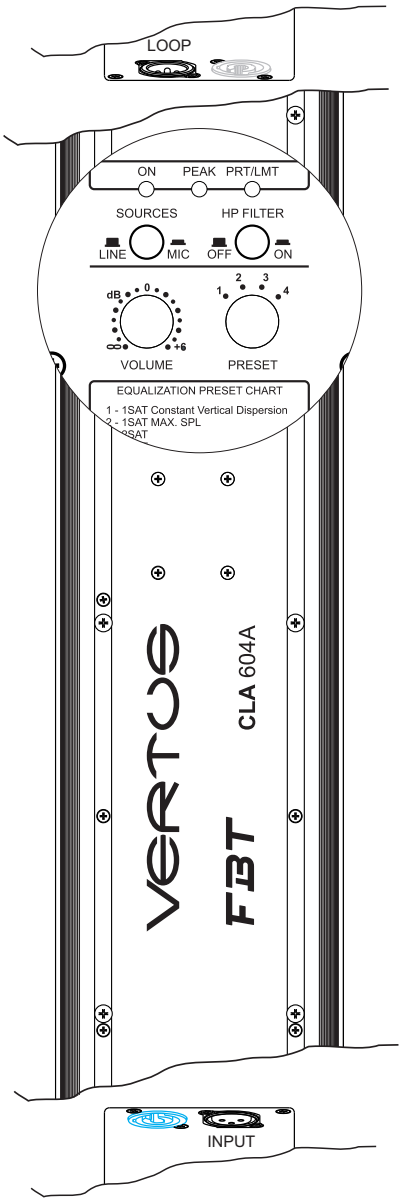

VERTICAL POLAR DIAGRAM
250
500
1000
2000


VERTICAL POLAR DIAGRAM
1400
2000
2500
3150

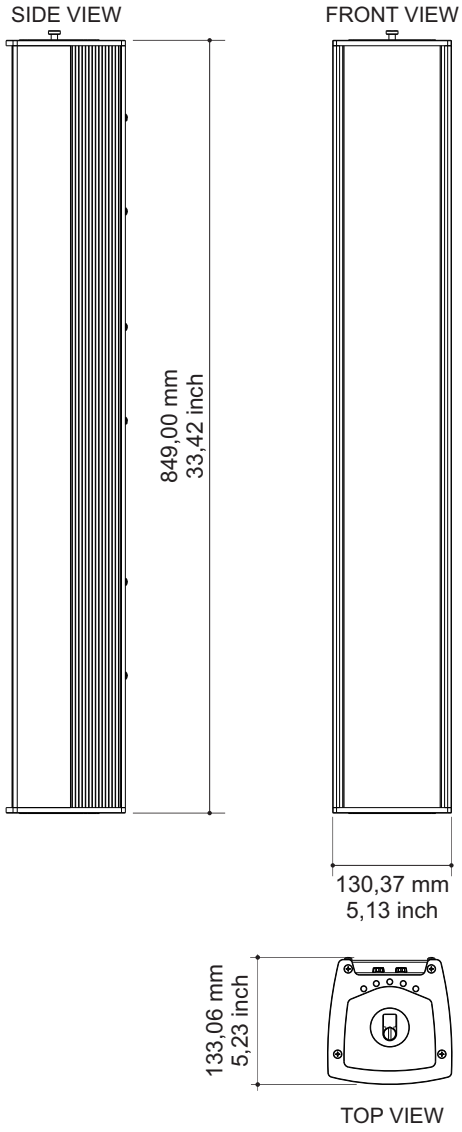

VERTICAL POLAR DIAGRAM
4000
5000
6300
8000


VERTICAL POLAR DIAGRAM
9000
10000
12500
14000

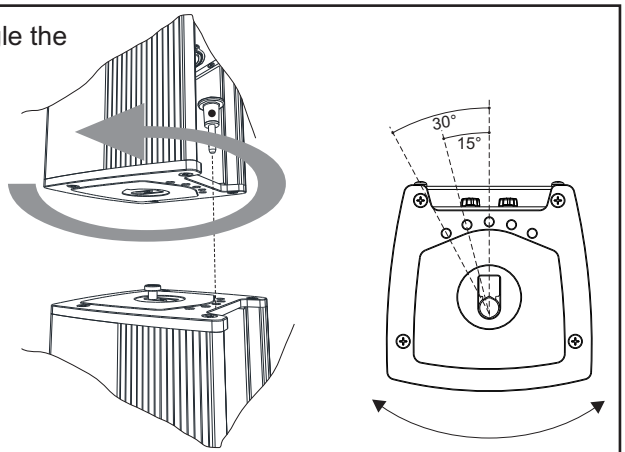
CONNECTION PANEL



DIMENSION DRAWING



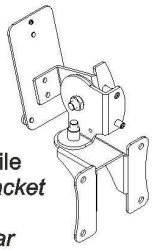
Possibility to angle the columns of ± 30° on the horizontal plane



ACCESSORIES

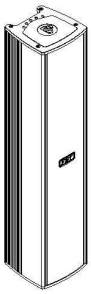
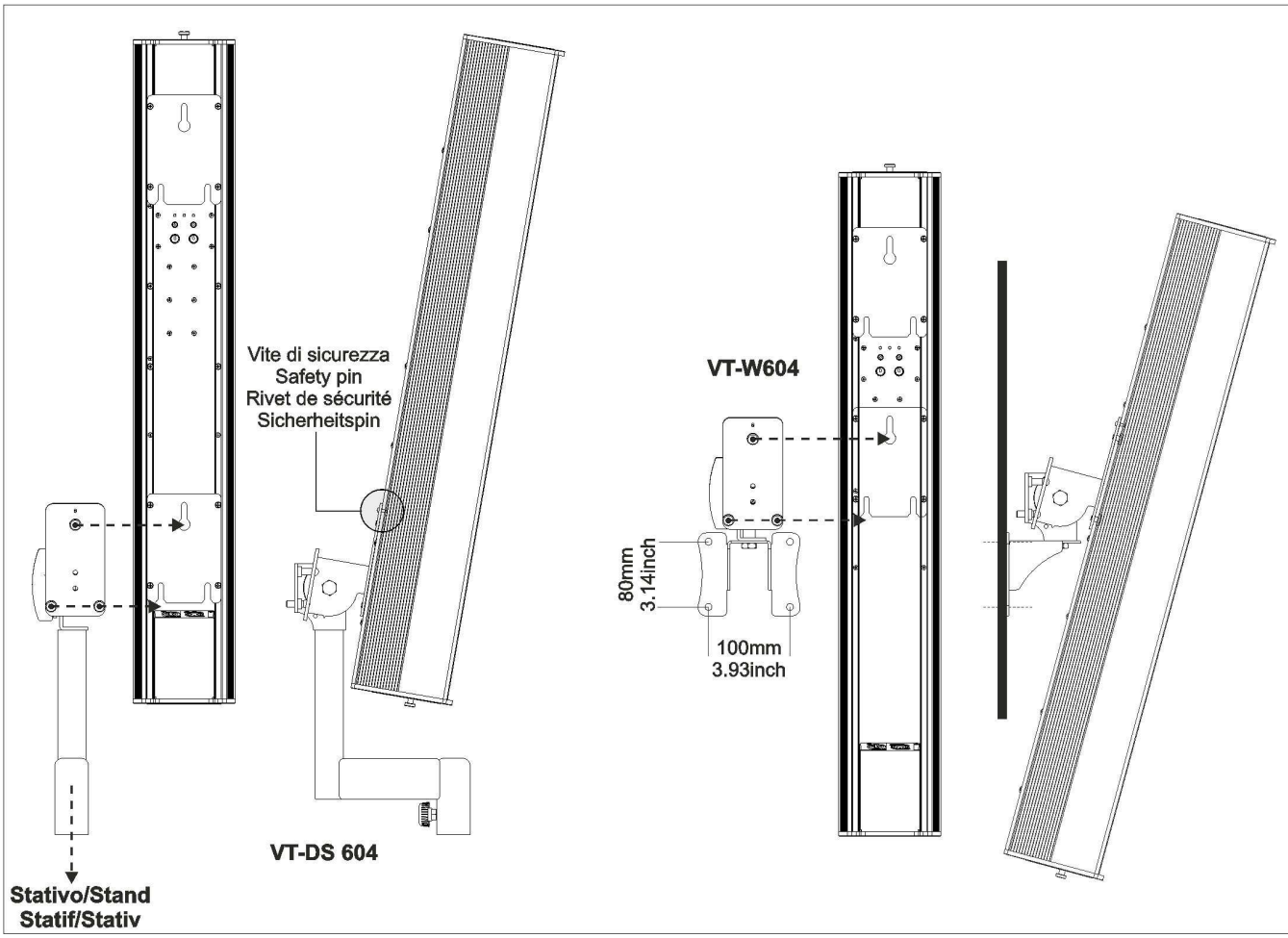
VT-S604
Adattatore per stativo
Stand adaptor
Adaptateur statif
Stativadapter
Ø35mm

VT-DS 604
Adattatore per stativo orientabile
Directional stand adapter
Adaptateur orientable statif
Verstellbarer Stativadapter
Ø35mm



VT-W604
Supporto a muro orientabile
Directional wall mount bracket
Support mural orientable
Wandhalterung ausrichtbar

VT - SC59 604
Supporto colonna
Stand column
Support pour boîte
Bodenständer
H 590mm



VT - SC114 604
Supporto colonna
Stand column
Support pour boîte
Bodenständer
H 1140mm