# Passive Column Line Array

MAIN APPLICATIONS

- Ideal for fixed installations in reverberant environments, it can improve both music and voice intelligibility by enhancing the quality of direct and reflected sound.

- Audiovisual applications:
  - Auditoriums
  - Halls
  - Churches
  - Meeting places

MAIN FEATURES

- 2-way passive column line array
- Extruded aluminum powder-coated cabinet
- 6 x 4" custom woofers with 1" voice coil
- 4 x 1" neodymium dome tweeters on a waveguide
- 100V transformer (50W / 100W)
- Fireproof cable according to UNI 9795 2010
- Supplied with wall-mount installation bars
- EN 54-24 Certificate of Conformity
- Completely manufactured in Italy
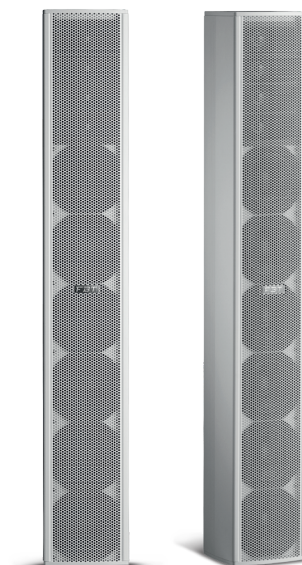
EN 54-24:2008

EN 54-24:2008
Cert. Nr. 0068-CPR-054/2013

Declaration of Performance (DoP)
available on the website: *www.fbt.it*

DESCRIPTION

The FBT VERTUS CLA 604 two-way passive speaker system incorporates 6 x 4" custom woofers with 1" voice coils and 4 x 1" neodymium dome tweeters on a waveguide. The FBT VERTUS CLA 604 shall meet the following performance criteria: frequency response of 140Hz to 20kHz, maximum SPL of 110dB (100W, 1m). The FBT VERTUS CLA 604 features an extruded aluminum construction; the front is protected by a heavy-duty metal grille and is fitted with fireproof cable according to UNI 9795 2010 (length 35.43 inches). The fixing system makes mounting easy and enables the speaker unit to be turned in the best direction. The FBT VERTUS CLA 604 can be set up in constant impedance or constant voltage mode (100V/50W-100W) thanks to an optional line transformer. The FBT VERTUS CLA 604 is intended for indoor installations.

TECHNICAL SPECIFICATIONS

GENERAL

Code		36145
Configuration	way	2
Low frequency woofer	inch	6 x 4 - 1 coil
High frequency driver	inch	4 x 1 - 1 coil

ACOUSTIC SPECIFICATIONS

Frequency response (@-6dB)	Hz	140 - 20k
Sensitivity (@1W/1m)	dB	91
MAX SPL (@100W/1m)	dB	110
HORIZONTAL dispersion (-6dB)		200° (500Hz)
		190° (1kHz)
		120° (2kHz)
		110° (4kHz)
VERTICAL dispersion (-6dB)		70° (500Hz)
		40° (1kHz)
		15° (2kHz)
		30° (4kHz)

INPUTS & OUTPUTS

Input connectors	Through 4 wires

AMPLIFIER

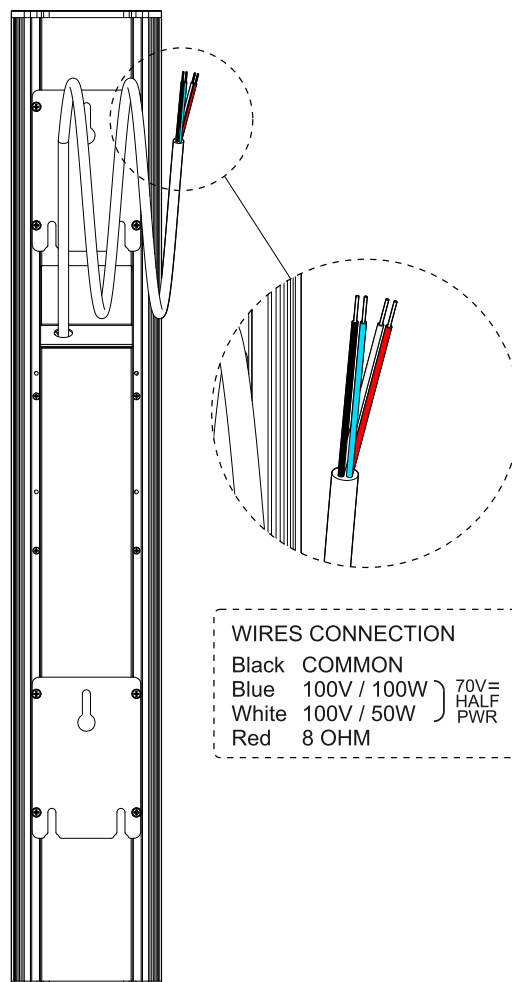|		
Recommended amplifier	W RMS	250
Nominal impedance	Ohm (W)	8 (100)
Nominal impedance 100V line	Ohm (W)	100 (100) / 200 (50)
Rated output	W (V/Ohm)	100 (28 / 8)

MECHANICAL SPECIFICATIONS

Opertaing / Storage temperature	°C	-25 ÷ +55 / -40 ÷ +70
Relative Humidity		<95%
Material	Cabinet	Aluminium
	Grille	Perforated powdercoated steel
Net dimensions (WxHxD)	mm	130 x 849 x 133
	inch	5.11 x 33.42 x 5.33
Transport dimensions (WxHxD)	mm	245 x 930 x 220
	inch	9.65 x 36.61 x 8.66
Net weight	kg	10.50
	lb	23.14
Transport weight	kg	12
	lb	26.45

DIMENSIONAL DRAWING

849mm / 33.42"

130mm / 5.11"

133mm / 5.23"

CONNECTION PANEL

WIRES CONNECTION

Black	COMMON	
Blue	100V / 100W	70V= HALF PWR
White	100V / 50W	
Red	8 OHM	
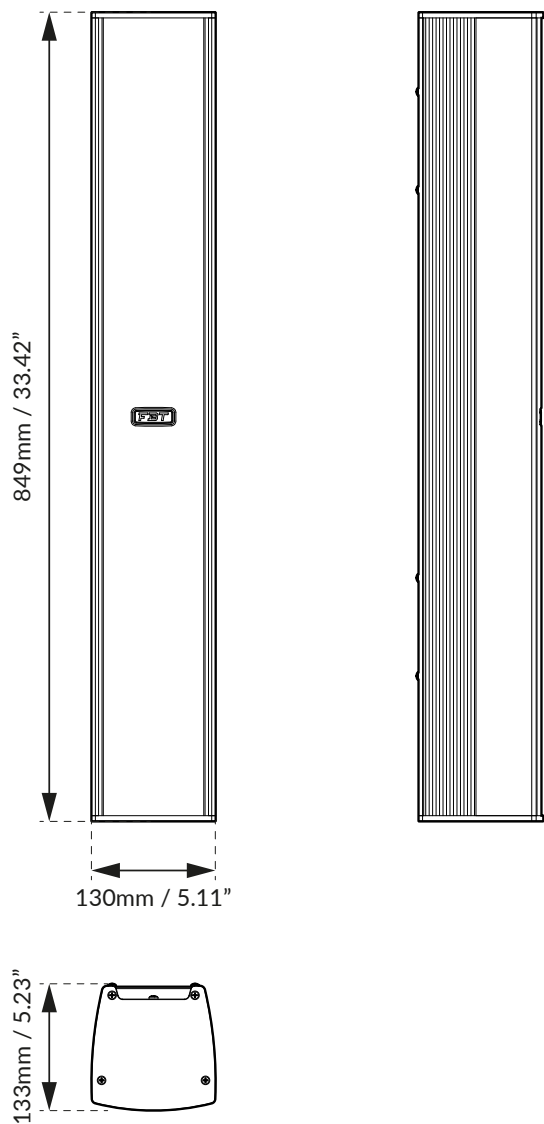
ACCESSORIES
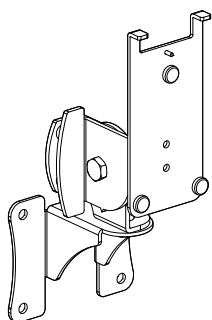
VT-W604

Directional Wall Mount
Black code: 35722
White code: 37043

125 x 276 x 126mm
4.92 x 10.87 x 4.96inch
1.20 kg / 2.64 lb

DIAGRAMS

Horizontal polar

500

1000

2000

4000

Vertical polar

500

1000

2000

4000

Sensitivity Mag – dB SPL/watt (8.0 ohms, @2.80 M) (0.33 oct)

log Frequency – Hz
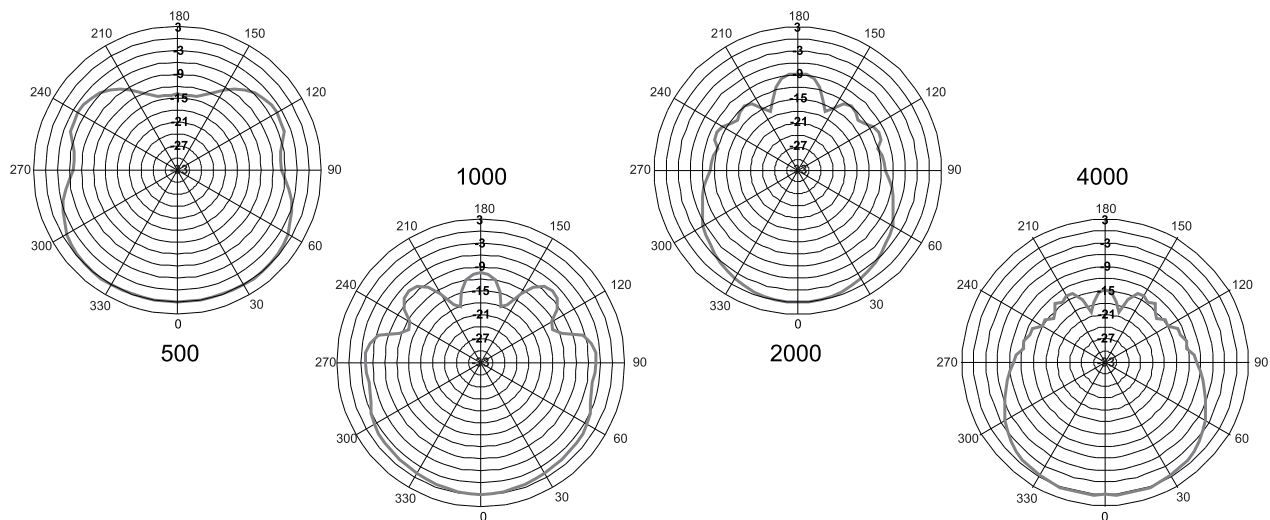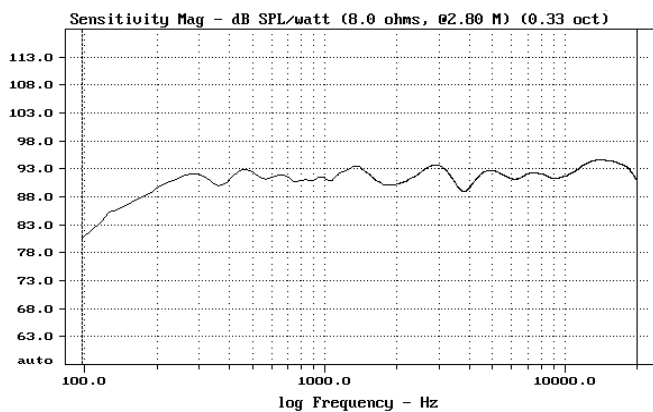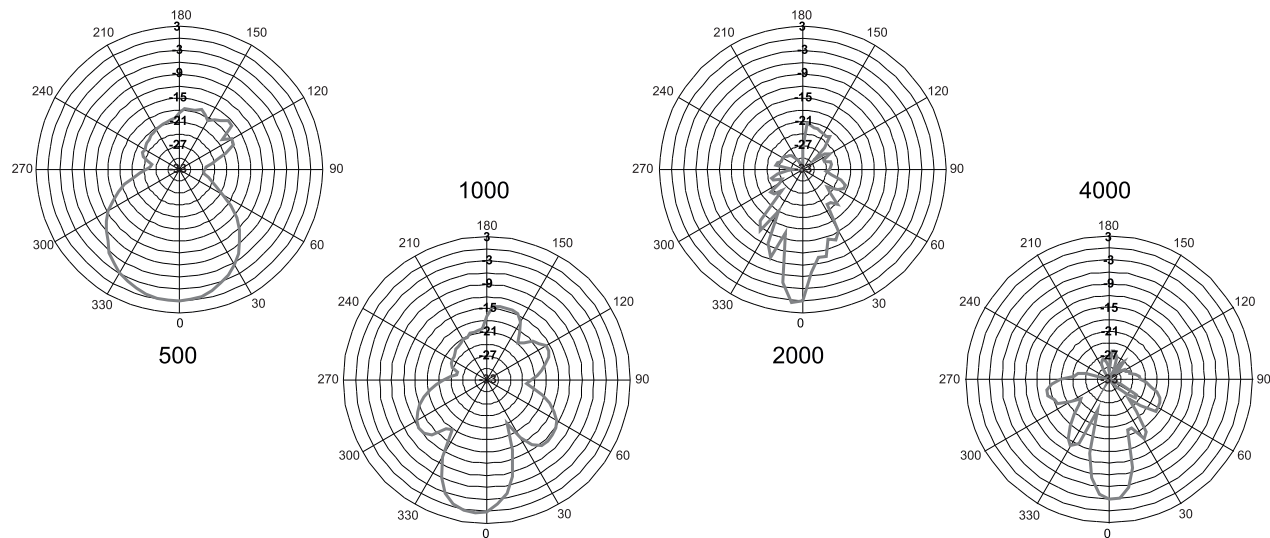
Loudspeaker physical references

reference axis

reference plane

horizontal plane