Active Vertical Horizontal Line Array

INFINITO　　Dante™

MAIN APPLICATIONS

Permanent installations in:
- Touring sound reinforcement
- Theatres, Stadiums, Concert halls, Arenas ...
- Ideal for both live applications assisted by one or both subs of the VHA range

MAIN FEATURES

- Self powered 2-way line array
- Class D 800W for LF / 400W for HF amplifier
- 4 x 6,5" woofers with 1,5" coil
- 1 x 1,4" neodymium compression driver with 2,5" coil
- Possibility of vertical and horizontal installation
- DANTE audio streaming on board

- Network interface TCP/IP - AES70 compatible
- OLED display and encoder with push
- Ethercon RJ45 input & output
- Cabinet in 0,47" birch plywood with anti-scratch varnish
- Rubber-coated sides
- Wide range of accessories

DESCRIPTION

Delivering optimal audience coverage with the ability to adapt to the requirements of the project at hand, the FBT HORIZON VHA 406ND represents a step forward in flexible sound reinforcement technology with exceptional sound quality, crafted in Italy with the no-compromise manufacturing excellence for which FBT is known. The FBT HORIZON VHA 406ND is a compact, self-powered line array element. It features 4 x 6.5" woofers plus a 1.4" neodymium compression driver with a 2.5" voice coil for a frequency response that extends from 65 Hz to 20 kHz. The highlight of the entire project is the 800+400 W RMS amplification module with TCP/IP network interface; based on the OCA ALLIANCE AES70 standard, it communicates with the INFINITO system management suite remote control software and receives 24-bit, 48-96 kHz digital audio streaming from all devices compatible with the DANTE standard. The module is housed in an aluminum chassis with intelligent forced ventilation and is equipped with an OLED display with an encoder for parameter setting. The waveguide, specifically designed for this product and optimized with BEM, has a horizontal dispersion of 90° and a vertical dispersion of 20°. The cabinet is made of 0.47" birch plywood with two integrated handles and integrated mechanics to join the speakers and angle them from 5° to 20° in 5° steps. The FBT HORIZON VHA 406ND also boasts integrated quick-release anchor points that facilitate the creation of horizontal and vertical arrays using the dedicated flybar. The system provides a wide range of accessories for suspension, pole-mounting, and ground-stacking. The front of the speaker is covered with a powder-coated perforated steel grille, and a high-brightness blue front LED allows remote identification of the device even in daylight.

TECHNICAL SPECIFICATIONS

GENERAL

Code		VHA 406N	44602
		VHA406ND	44255
Configuration	way	2	
Low frequency woofer	inch	4 x 6.5 - 1.5 coil	
High frequency driver	inch	1.4 - 2.5 neodymium coil	

ACOUSTIC SPECIFICATIONS

Frequency response (@-6dB)	Hz	65 - 20k
MAX SPL (cont/peak)	dB	129 / 134
Dispersion	H° x V°	90 x 20 max - dependent upon n. of elements

INPUTS & OUTPUTS

Power supply connectors		PowerCon IN/OUT
Input connectors		1 x Male 1 x Female XLR IN/LINK
Input / Output NET		NET IN/OUT (EtherCon)

POWER SUPPLY

AC power consumption	W	600
Power cord	mt	5
	ft	16.4

AMPLIFIER

Built-in amplifier LF/HF	W	800 / 400
Buit-in amplifier peak LF/HF	W	1600 / 800
Input impedance	Ohm	22k

MECHANICAL SPECIFICATIONS

Material	Cabinet	0.47" Birch plywood
	Grille	Steel
Net dimensions (WxHxD)	mm	612 x 360 x 397
	inch	24.09 x 14.17 x 15.62
Transport dimensions (WxHxD)	mm	520 x 725 x 415
	inch	20.47 x 28.54 x 16.33
Net weight	kg	31.80
	lb	70.10
Transport weight	kg	35
	lb	77.16

DIMENSIONAL DRAWINGS
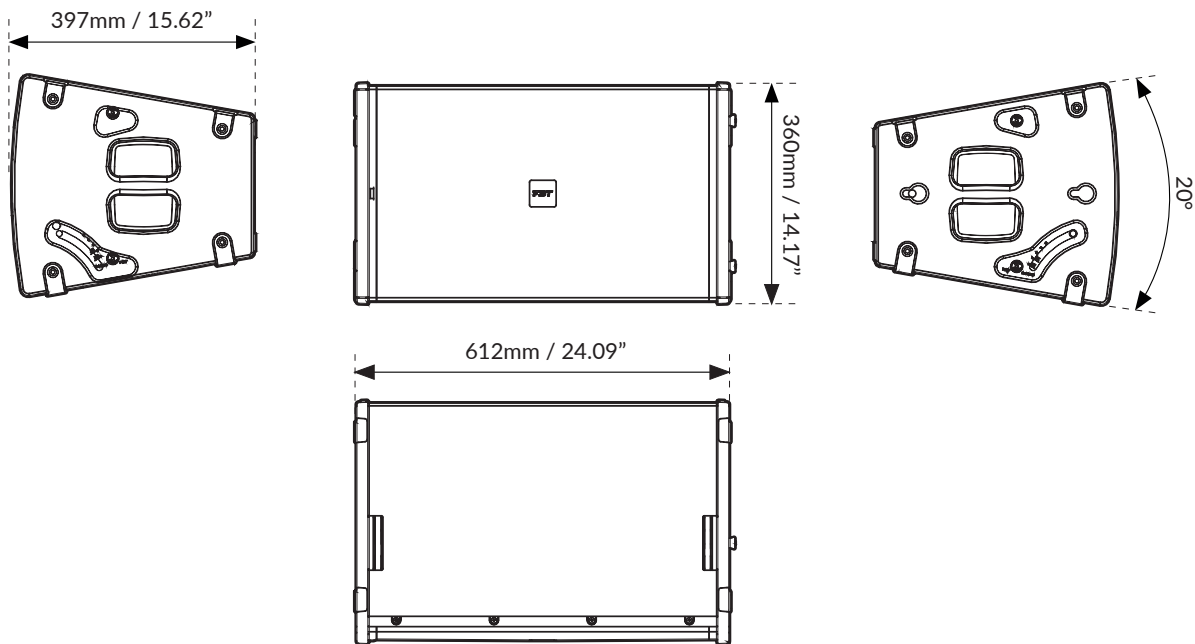
CONTROL PANEL

1. XLR input
2. XLR link output
3. Port compatible with EtherCON/RJ45 connectors used for Ethernet network input for remote control and monitoring via INFINITO MANAGEMENT SOFTWARE

4. Port compatible with etherCON/RJ45 connectors used for the daisy chain output of the INFINITO SOFTWARE MANAGEMENT remote control and monitoring Ethernet network
5. General digital volume to control the level of signal. Press to enter the DSP menu and turn the knob to identify and select the parameters
6. Displaying of menus and DSP settings

SOFTWARE INFINITO

INFINITO is a real revolution in the FBT world that enhance the user experience in a new level of performance and simplicity! It's a Windows software platform totally developed in house by FBT R&D team that offers real time monitoring of the internal sensors and status of connected devices, fast IN/OUT Vu-meters, controls of all the parameters, group management, warnings readout.

More than 100 devices can be connected on the same TCP/IP network with the added convenience of auto IP address asignement.
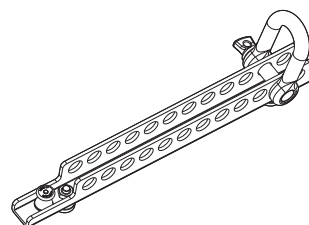
Download it from our website: www.fbt.it

FBT

ACCESSORIES
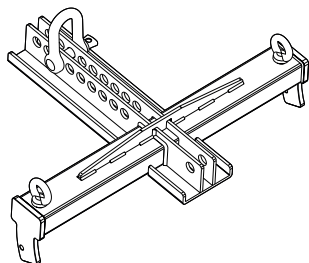
VHA-F 406
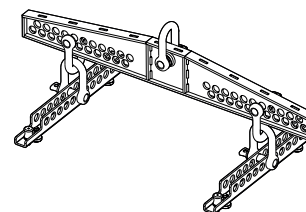
Flying Bar
Code: 41779

544 x 112 x 400mm
21.41 x 4.4 x 15.74inch
8 kg / 17.63 lb
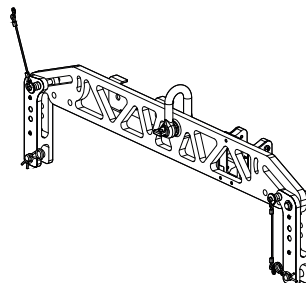
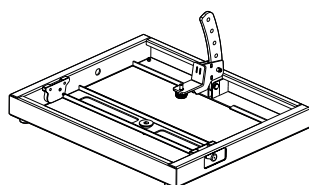### VHA-2F 406

Vertical Flybar
Code: 42989

852 x 303 x 126mm
33.54 x 11.92 x 4.96inch
11 kg / 24.25 lb

VHA-FH 406-1
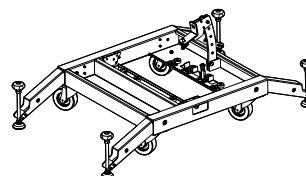
Flying Bar
Code: 41780

371 x 127 x 88mm
14.6 x 5 x 3.46inch
1.50 kg / 3.30 lb

VHA-FH 406-5
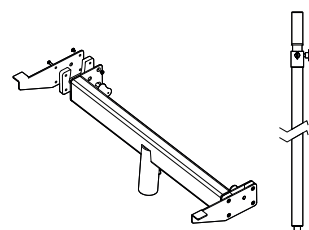
Flying Bar
Code: 41781

743 x 160 x 100mm
29.25 x 6.29 x 3.93inch
7.60 kg / 16.75 lb
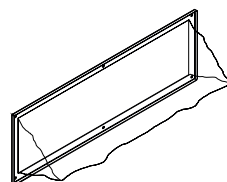
VHA-B 406

Metal Base
Code: 41783

606 x 73 x 502mm
23.85 x 2.87 x 19.76inch
10.30 kg / 22.70 lb

VHA-T 406

Trolley with Stabilizer Feet
Code: 42126

1050 x 203 x 600mm
41.33 x 79.99 x 23.62inch
27 kg / 59.52 lb

VHA-S 406

Cluster Bracket
Code: 41782

590 x 154 x 180mm
23.22 x 6.06 x 7.08inch
5.50 kg / 12,12 lb

VHA-RC 406

Rain Cover
Code: 42408

558 x 8 x 193mm
21.97 x 0.31 x 7.60inch
4 kg / 8.81 lb