Active Vertical Horizontal Line Array

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 600W for LF, 300W for HF amplifier
- DSP processor with 8 equalization presets
- Cabinet in 0,47" birch plywood with anti-scratch varnish rubber-coated sides
- Possibility of vertical and horizontal installation through dedicated flybars
- Wide range of accessories for suspension, pole-mounting, ground-stacking
- Completely Manufactured in Italy

DESCRIPTION

The FBT HORIZON VHA 406A 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 Class D amplifier module is constructed in die-cast aluminum with natural convection, delivering 600 W for the LF section and 300 W for the HF, with a switching power supply. The waveguide, designed specifically for this product and optimized with BEM (Boundary Element Method), has a horizontal dispersion of 90° and a vertical dispersion of 20°. The FBT HORIZON VHA 406A offers the possibility to choose between 8 predefined algorithms. The control and connection panel features: a Neutrik PowerCON connector for power supply with input and output, XLR in/link connectors, level control, HF level control, preset selector, HP filter switch, and two status LEDs. The construction materials of the FBT HORIZON VHA 406A meet the highest professional standards to ensure maximum reliability. The cabinet is made of 0.47" birch plywood with an anti-scratch varnish and is equipped with two handles with rubber inserts, as well as integrated mechanics to join the speakers and angle them from 5° to 20° in 5° steps. The FBT HORIZON VHA 406A also boasts integrated quick-release anchor points that facilitate the creation of horizontal and vertical arrays using the dedicated flybar. The FBT HORIZON VHA 406A provides a wide range of accessories for suspension, pole-mounting, or ground-stacking. The front of the loudspeaker is covered with a powder-coated perforated steel grille. A rain cover is also available to protect the electronic parts from rain.

TECHNICAL SPECIFICATIONS

GENERAL

Code		41741
Configuration	way	2 bi-amplied line array
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	128 / 133
Crossover frequency	Hz	1.2k
Dispersion	H° x V°	90 x 20

INPUTS & OUTPUTS

Input connectors		1 x Male 1 x Female XLR IN/LINK

POWER SUPPLY

AC power consumption	W	640
Power cord	mt	5
	ft	16.4

AMPLIFIER

Built-in amplifier LF/HF	W RMS	600 / 300
Buit-in amplifier peak LF/HF	W	1200 / 600
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
	lb	68.34
Transport weight	kg	34.50
	lb	76.05

DIMENSIONAL DRAWINGS
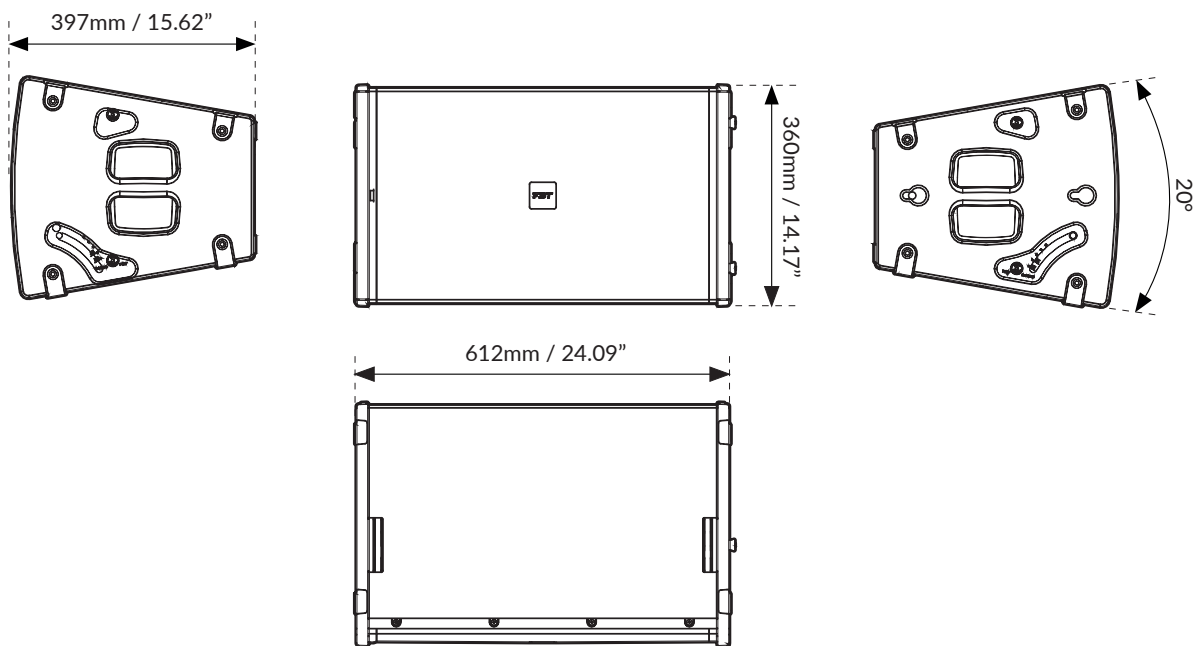
CONTROL PANEL

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.

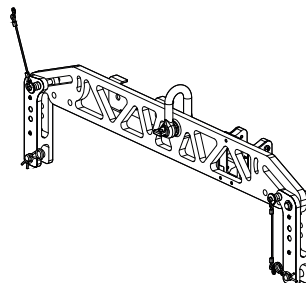Download it from our website: www.fbt.it

ACCESSORIES
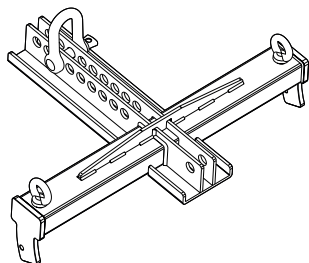
VHA-F 406

Flying Bar
Code: 41779

544 x 112 x 400mm
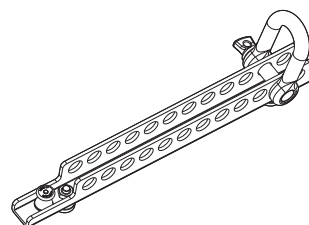21.41 x 4.4 x 15.74inch
8 kg / 17.63 lb

VHA-2F 406

Vertical Flybar
Code: 42989

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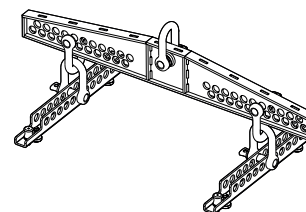33.54 x 11.92 x 4.96inch
11 kg / 24.25 lb

VHA-FH 406-1

Flying Bar
Code: 41780

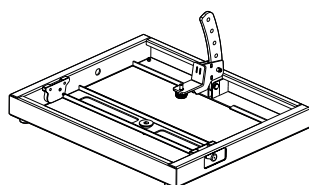371 x 127 x 88mm
14.6 x 5 x 3.46inch
1.50 kg / 3.30 lb

VHA-FH 406-5

Flying Bar
Code: 41781

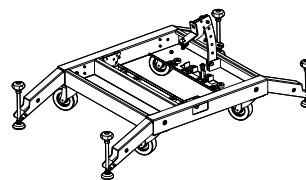743 x 160 x 100mm
29.25 x 6.29 x 3.93inch
7.60 kg / 16.75 lb

VHA-B 406

Metal Base
Code: 41783

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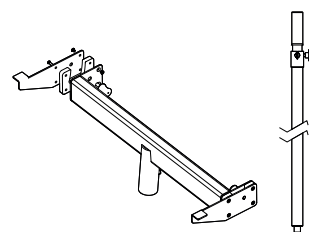23.85 x 2.87 x 19.76inch
10.30 kg / 22.70 lb

VHA-T 406

Trolley with Stabilizer Feet
Code: 42126

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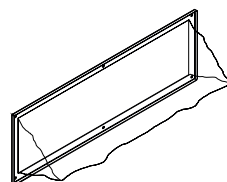41.33 x 79.99 x 23.62inch
27 kg / 59.52 lb

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