

Vertical / Horizontal Active 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 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, FBT HORIZON VHA 406ND represents a step forward in flexible sound reinforcement technology with exceptional sound quality, crafted in Italy with the no-compromises manufacturing excellence for which FBT is known.

FBT HORIZON VHA 406ND is a compact, self-powered line array element. The FBT HORIZON VHA 406ND 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 65Hz to 20kHz. The summit of the entire project is the 800+400W 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 48-96kHz 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 encoder for parameter setting. The waveguide, designed specifically for this product and optimized with BEM, has a horizontal dispersion of 90° and vertical 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 boats integrated quick-release anchor points that facilitate the creation of horizontal and vertical arrays using the dedicate 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, a high-brightness blue front led allows remote identification of the device also in daylight.

TECHNICAL SPECIFICATIONS

GENERAL

Configuration	way	2
Low frequency woofer	inch	4 x 6,5 / 1,4 coil
High frequency driver	inch	1 x 1,4 / 2,5 coil neodymium

ACOUSTICAL SPEC.

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

AMPLIFIER

Built in amplifier (LF/HF)	W	800/400
Built in amplifier peak (LF/HF)	W	1600/800
Input impedance	kOhm	22

INPUTS / OUTPUTS

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

POWER SUPPLY SPEC.

AC power consumption	W	600
Power cord	ft	16,4

MECHANICAL SPEC.

Material		0,47" birch plywood black finish
Handles		1 x side integrated
Net size (WxHxD)	inch	24,1 x 14,2 x 15,6
Transport dimensions (WxHxD)	inch	28,34 x 16,14 x 20,27
Net weight	Lbs	68,34
Shipping weight	Lbs	72,75

INFINITO



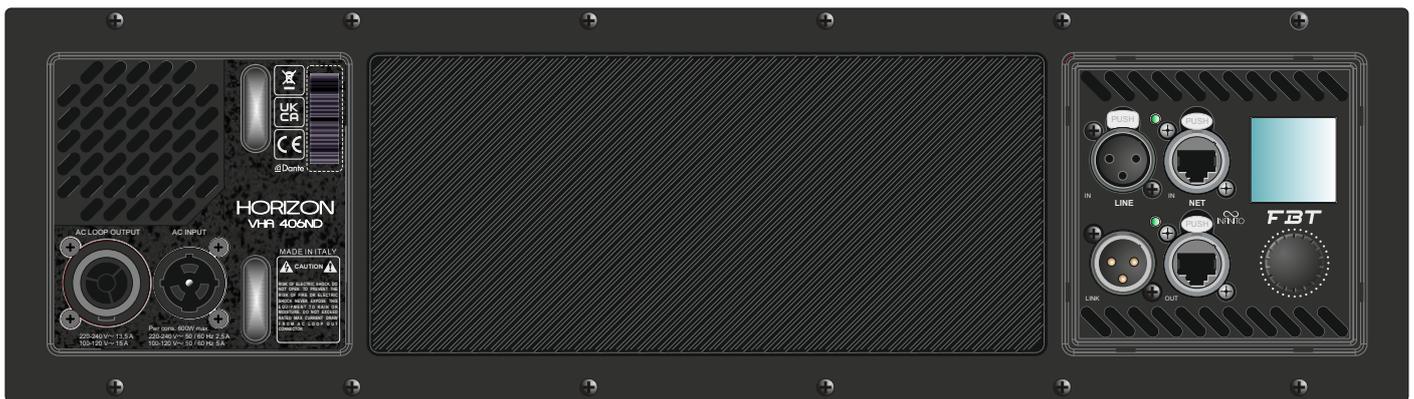
INFINITO is a real revolution in the FBT world that enhance the user experience in a new level of performance and simplicity! It's a Windows software platform totally developed in house by FBT R&D team that offers real time monitoring of the internal sensors and status of connected devices, fast IN/OUT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

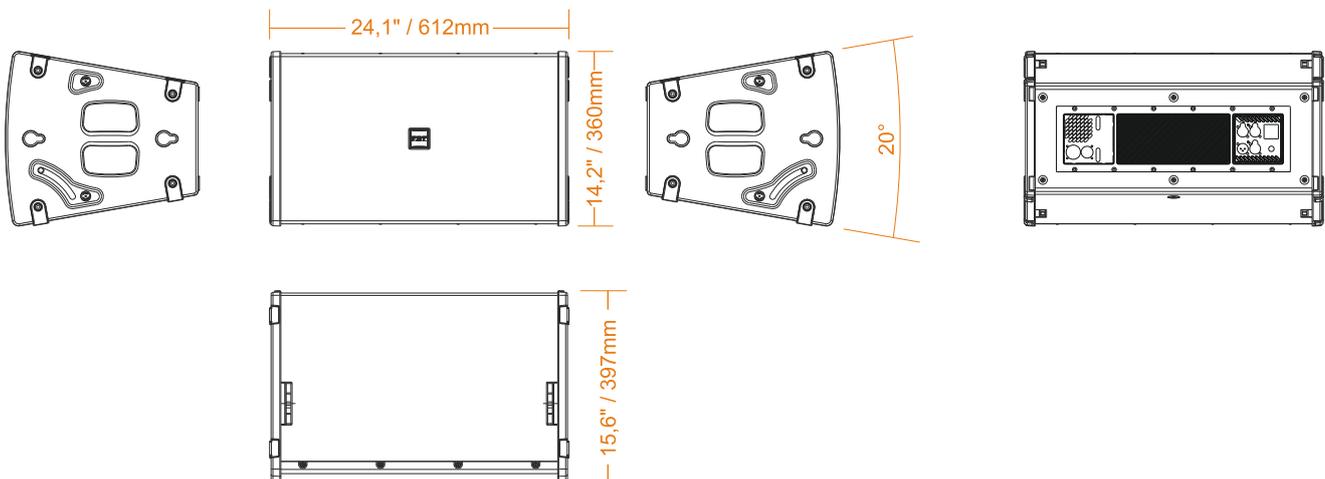
Download it from our website: www.fbt.it



CONNECTION PANEL



DIMENSIONAL DRAWING

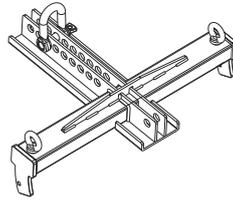


ACCESSORIES

VHA-F406

FLYBAR FOR VERTICAL CONFIGURATION

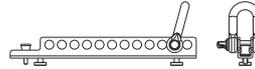
- Manufacture: Steel
 - Safety factor: Max 6 modules
 - Dimensions: 22,41" x 15,74" x 4,42"
544 x 400 x 112,5 mm
 - Weight: 15,87 lb / 7,2kg
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VHA-FH406-1

FLYBAR FOR HORIZONTAL CONFIGURATION

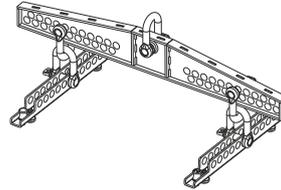
- Manufacture: Steel
 - Safety factor: Max 1 module
 - Dimensions: 14,60" x 2,22" x 1,18"
371 x 56,5 x 30 mm
 - Weight: 3,30 lb / 1,5kg
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VHA-FH406-5

FLYBAR FOR HORIZONTAL CONFIGURATION

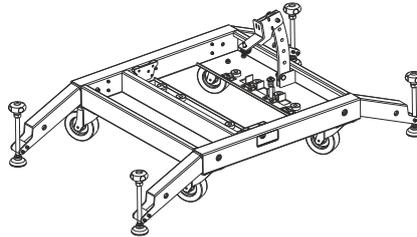
- Manufacture: Steel
 - Safety factor: 2 / 5 modules
 - Dimensions: 29,31" x 9,64" x 14,60"
744,5 x 244,9 x 371 mm
 - Weight: 17,60 lb / 8kg
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VHA-T406

TROLLEY WITH FEET STABILIZERS

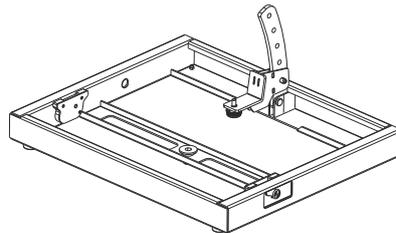
- Manufacture: Steel
 - Safety factor: Max. 4 module
 - Dimensions: 41,28" x 15,53" x 25,39"
1048,7 x 394,5 x 645 mm
 - Weight: 59,52 lb / 27kg
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VHA-B406

METAL BASE FOR ARRAY GROUND CONFIGURATION OR ABOVE SUBWOOFER

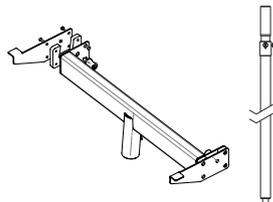
- Manufacture: Steel
 - Safety factor: 2 modules on the ground / 3 modules above subwoofer
 - Dimensions: 23,85" x 2,87" x 19,76"
606 x 73 x 502 mm
 - Weight: 22,70 lb / 10,3kg
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VHA-S406

BRACKET FOR 1 SPKR WITH SPEAKER POLE

- Manufacture: Steel
 - Safety factor: Max. 1 module
 - Dimensions: 23,22" x 7,08" x 6,06"
590 x 180 x 154 mm
 - Weight: 12,12 lb / 5,5kg (with speaker pole)
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VHA-RC406

RAIN COVER FOR AMPLIFIER MODULE

VHA-C406/112

NYLON COVER FOR CABINET
