

Processed Active Subwoofer



MAIN APPLICATIONS

Permanent installations in:

- Touring sound reinforcement.
- Theatres, Stadiums, Concert halls, Arenas.....
- Ideal for reinforcing and extending the low range of the HORIZON VHA system.

MAIN FEATURES

- Self powered bass-reflex cabinet
- Class D 2500W built-in amplifier
- 1 x 18" woofer with 4" coil
- DANTE audio streaming on board
- Network interface TCP/IP - AES70 compatible
- OLED display and encoder with push
- Ethercon RJ45 input & output
- Cabinet in 0,70" birch plywood with black polyurea finish
- Wide range of accessories
- Completely manufactured in Italy

DESCRIPTION

FBT HORIZON VHA 118SND is a direct radiation ground subwoofer, has 1 x 18" long excursion woofer with 4" coil and 2500W Class D amplification capable of 143 dB SPL. The bass reflex cabinet offers substantial energy up to 30Hz and is ideal for extending and reinforcing the low frequencies of the HORIZON VHA system line array in ground-stack configuration. It has presets to create various configurations with cardioid directivity, where some subwoofers face rearwards from the audience to acoustically cancel the sound pressure behind the cluster. The enclosure, optimized with BEM-type acoustic simulations to reduce risonance and turbulence of the ducts, is built in 0,70" (18mm) birch plywood with black plyurea finish, has six aluminum handles, predisposition for 4 wheels, two M20 stand sockets for horizontal or vertical use and 4 support points set up to accomodate accessories in ground-stack configuration in conjunction with VHA 406ND and VHA 112SND models. The front of the speaker is covered with a powder coated perforated steel grille.

The summit of the entire project is the new 2500W amplification module with built-in TCP/IP network interface. Based on AES70 standard (OCA Alliance), it communicates with FBT's "INFINITO" management suite remote control software and receives 24dB at 48-96kHz digital audio streaming from all devices compatible with "DANTE" standard. The HORIZON VHA 118SND is equipped with intelligent forced ventilation and OLED display with encoder for parameter settings.

A high-brightness blue front LED allows remote identification of the device also in daylight.

TECHNICAL SPECIFICATIONS

GENERAL

Configuration	way	Active bass-reflex subwoofer
Low frequency woofer	inch	1 x 18 / 4 coil

ACOUSTICAL SPEC.

Frequency response	(@ -6dB)	30Hz - preset dependent
SPL max. (cont / peak)	dB	137 / 143 half space
Dispersion	H x V	Omnidirectional

AMPLIFIER

Built in amplifier	W	2500
Built in amplifier peak	W	5000
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	650
Power cord	ft	16,4

MECHANICAL SPEC.

Material		0,70" birch plywood black finish
Handles		6
Net size (WxHxD)	inch	23,85 x 27,55 x 28,34
Transport dimensions (WxHxD)	inch	29,33 x 30,19 x 25 (with pallet)
Net weight	Lbs	143
Shipping weight	Lbs	165 (with pallet)

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.

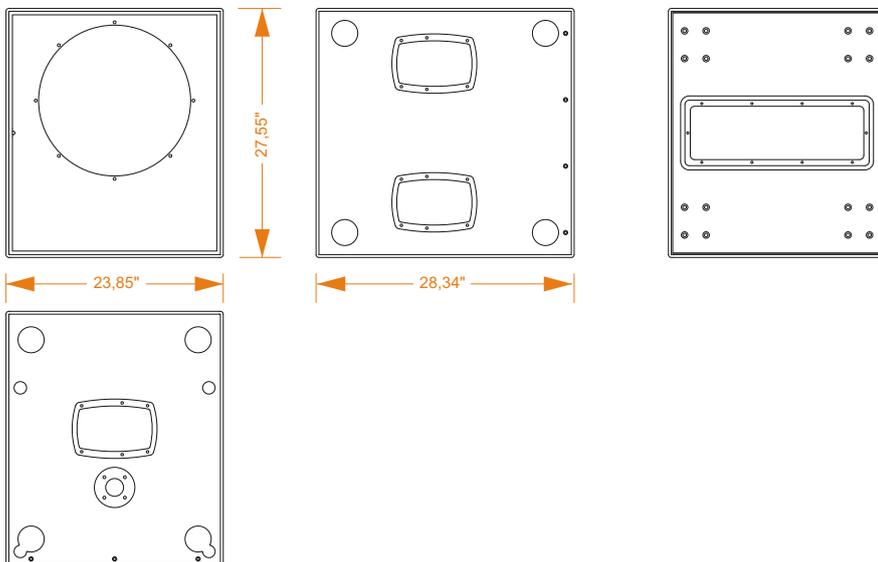
Download it from our website: www.fbt.it



CONNECTION PANEL



DIMENSIONAL DRAWING



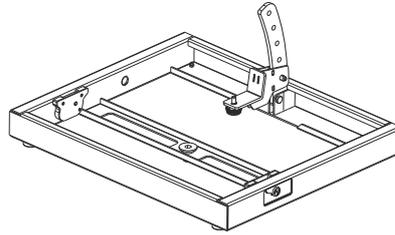
ONLY FOR GROUND STACK CONFIGURATION

ACCESSORIES

VHA-B406

METAL BASE FOR ARRAY GROUND CONFIGURATION OR ABOVE SUBWOOFER

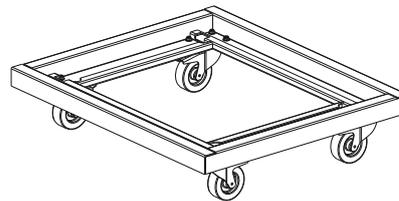
- Manufacture: Steel
- Safety factor: 2 modules on the ground / 3 modules above subwoofer
- Dimensions: 23,85" x 2,87" x 19,76"
606 x 73 x 502 mm
- Weight: 22,70 lb / 10,3kg



VHA-T118

TROLLEY FOR TRANSPORT

- Manufacture: Steel
- Safety factor: Max. 2 modules subwoofer
- Dimensions: 31,69" x 7,12" x 27,16"
805 x 181 x 690 mm

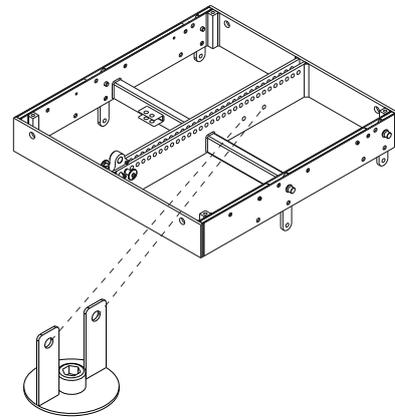


MS-F210

FIXING SUBWOOFER

- Manufacture: Steel
- Safety factor: Max. 6 modules
- Dimensions: 27" x 3,93" x 25,66"
686 x 100 x 652

Accessory for ground stack configuration using FBT MUSE 210SND / SN system.



MS-J210

METAL JOINT

- Manufacture: Steel

KB W100 4S

WHEELS

- Ø 4" / 100mm



VHA-RC118

RAIN COVER FOR AMPLIFIER MODULE

VHA-C118S

NYLON COVER WITHOUT WHEELS

VHA-CH118S

NYLON COVER WITH WHEELS
