

Passive Vertical Horizontal Line Array

MAIN FEATURES

- 2 way reflex line array
- 4 x 6.5" custom woofer with 1.5" voice coil
- 1.4" Neodymium compression driver with 2.5" voice coil
- Recommended amplifier: 800W RMS / 8Ohm
- Frequency response (@-6dB): 65 - 20k
- MAX SPL: 134dB
- 0.47" birch plywood cabinet with anti-scratch varnish
- 2 x Neutrik NL4M Speakon connectors In & link
- Side suspension hardware with integrated setting pins, inclination between adjacent cabinets from 5° to 20° in 5° steps
- Possibility of vertical/horizontal installation through dedicated flybars
- Wide range of accessories for suspension, pole-mounting or ground-stacking
- Ideal in system with VHA 112S as flying LF reinforcement and VHA 118S as ground subwoofer



DESCRIPTION

The HORIZON VHA 406, a new passive vertical/horizontal bass-reflex line array subwoofer from FBT, is a compact, flexible, and easy solution, featuring 4 x 6.5" woofers with 1.5" voice coils and a custom 1.4" neodymium compression driver with 2.5" voice coil. The waveguide, designed specifically for this product, is optimized with BEM (Boundary Element Method) for a horizontal dispersion of 90° and a vertical dispersion of 20°. The HORIZON VHA 406 meets the following performance criteria: recommended amplifier power of 800W RMS / 8Ohms and capable of achieving 134dB SPL. There is a passive crossover internal. Using external DSP with FBT presets in mandatory and allows for creating various configurations. The reflex line array cabinet offers a frequency response from 65Hz to 20kHz and can extend and reinforce low frequencies when paired with a ground-stack configuration using the VHA 118S or/and VHA 112S. The construction materials of the HORIZON VHA 406 meet the highest professional standards to ensure maximum reliability; the cabinet is made of 0.47" birch plywood with anti-scratch varnish and is equipped with two handles with rubber inserts and integrated mechanics, compatible with VHA 112S to be used in the same cluster, to join the speakers and angle them from 5° to 20° in 5° steps. The rear-facing input panel provides two Neutrik NL4M Speakon connectors In & link and the front of the loudspeaker is covered with a powder-coated perforated steel grille. The HORIZON VHA 406 also boasts integrated quick-release anchor points that facilitate the creation of horizontal and vertical arrays using the dedicated flybar and provides a wide range of accessories for suspension, pole-mounting, or ground-stacking.

TECHNICAL SPECIFICATIONS

GENERAL

Code		45259
Configuration	way	2 reflex
Low frequency woofer	inch	4 x 6.5 - 1.5 coil
High frequency driver	inch	1.4 - 2.5 coil

ACOUSTIC SPECIFICATIONS

Frequency response (@-6dB)	Hz	65 - 20k
Sensitivity (@1W/1m)	dB	---
MAX SPL (cont/peak)	dB	129 / 134
Dispersion	H° x V°	90 x 20 - dependant upon n° of elements
Recommended HP filter	Hz - dB oct	60 - 24
Recommended Ext. filter		Authorized FBT preset for digital processor or processed amplifier

INPUTS & OUTPUTS

Input connectors		2 x Speakon NL4M In & link
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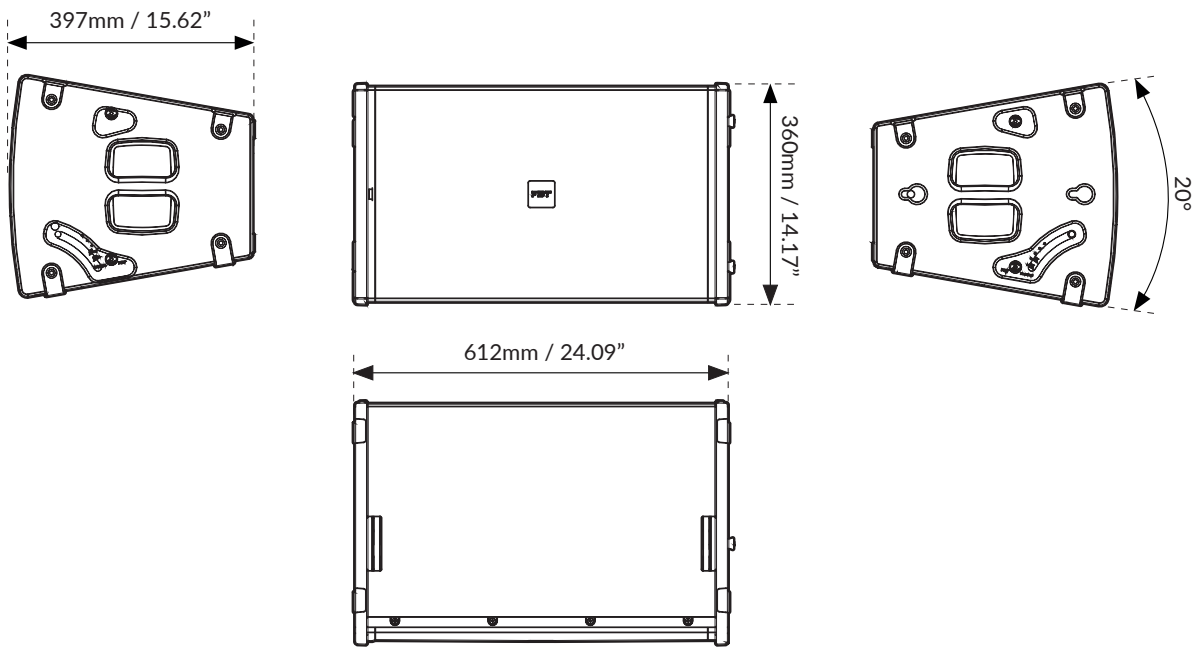
AMPLIFIER

Recommended amplifier	W RMS	800
Long term power	W	400
Short term power (IEC 268-5)	W	1600
Nominal impedance	Ohm	8

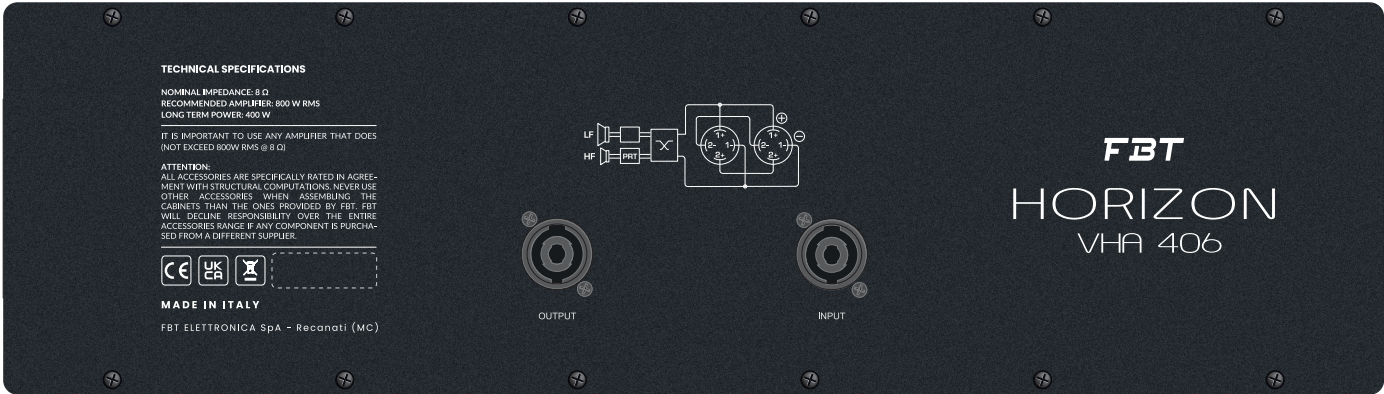
MECHANICAL SPECIFICATIONS

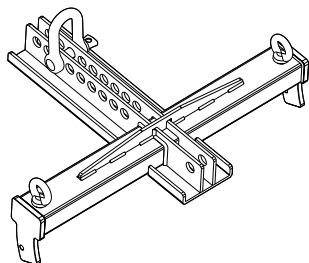
Material	Cabinet	0.47" Birch plywood
	Grille	Steel
Net dimensions (WxHxD)	mm	612 x 360 x 397
	inch	24.09 x 14.17 x 15.62
Transport dimensions (WxHxD)	mm	520 x 725 x 415
	inch	20.47 x 28.54 x 16.33
Net weight	kg	28.8
	lb	63.5
Transport weight	kg	30.75
	lb	67.8

DIMENSIONAL DRAWING

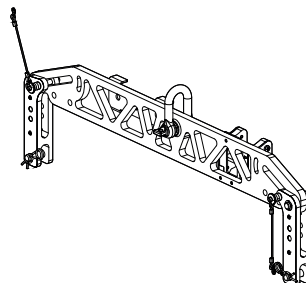


CONTROL PANEL

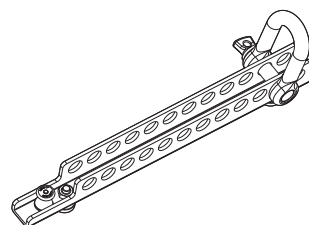


ACCESSORIES

VHA-F 406
Flying Bar
Code: 41779

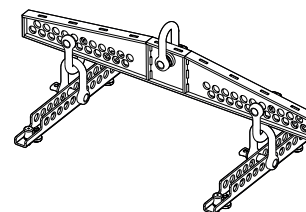
544 x 112 x 400mm
21.41 x 4.4 x 15.74inch
8 kg / 17.63 lb


VHA-2F 406
Vertical Flybar
Code: 42989

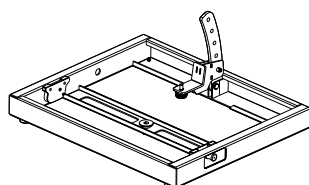
852 x 303 x 126mm
33.54 x 11.92 x 4.96inch
11 kg / 24.25 lb


VHA-FH 406-1
Flying Bar
Code: 41780

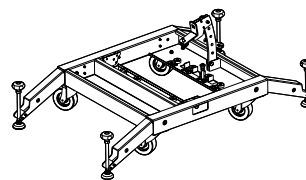
371 x 127 x 88mm
14.6 x 5 x 3.46inch
1.50 kg / 3.30 lb


VHA-FH 406-5
Flying Bar
Code: 41781

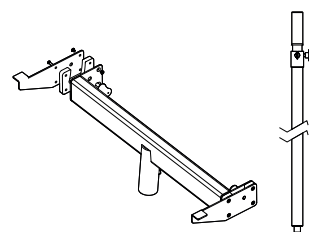
743 x 160 x 100mm
29.25 x 6.29 x 3.93inch
7.60 kg / 16.75 lb


VHA-B 406
Metal Base
Code: 41783

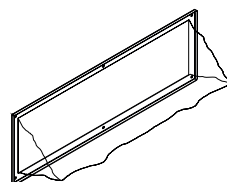
606 x 73 x 502mm
23.85 x 2.87 x 19.76inch
10.30 kg / 22.70 lb


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