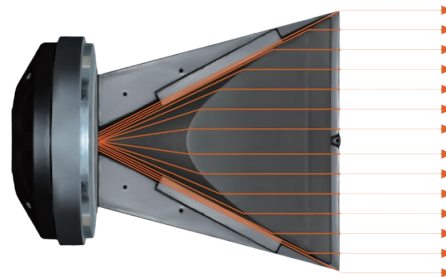


Overview

VLA-206 is a compact active two ways multipurpose vertical line array speaker. Especially it owns very compact cabinet and contains dual 6.5" low/mid woofer and one 1" compression driver which are combined with an axe type phase plug.

Enewave's engineers do the very extreme calculation and then design a special axe type phase plug technology then insert it in front of compression driver. The spherical wave created from compression driver and pass through the surface of axe type phase plug. All they will arrive to the front narrow slot at the same time. The same phase and frequency spectrum will create new columnar wave plane. Finally, the sound pressure will be folding constantly without any interference.



axe type phase plug technology

Features

- * Compact size but high output
- * Perfect sound coupling by modular line array technology
- * Two ways full range cabinet contains two 6.5" Low/mid woofer and one 1" compression driver
- * Extra precision full range directional controlled
- * Build-in flying hardware suit for touring or fixed installation
- * Full DSP control to ensure phase consistency and excellent frequency responsible

Applications

Apply to:

Touring system, music hall
Lecture hall, night club, KTV
Bar, social club
Small/mid theater, auditorium

Description

VLA-206 is a compact active two ways multi proposal vertical line array speaker. It is a full range speaker that contained two 6.5" cone woofers and one 1" high frequency compression driver. The cabinet is made by strong "Baltic birch plywood" and mortise joint technology. The coating is made by waterborne anti-scratch paint to achieve strong, reliability and environmental, and by designed for a very compact cabinet. VLA-206 is performed during 70Hz to 20KHz so that it could be combined with VLA-206SUB by unique flying hardware and then extended bass till incredible 28Hz. The build-in flying hardware could be adjusted several angles which be included 1°, 3°, 4°, 7°, 9° and 10°. Thanks for symmetrical cabinet and axe type phase plug. VLA-206 owns excellent

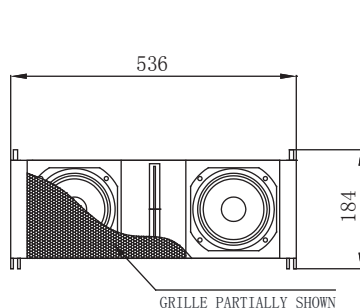
frequency curve characteristic when several cabinets be combined to a vertical line array. Therefore, it is a real line array system because the system performs very smooth frequency curve and balanced coverage. The compact VAL-206 is very suit to apply every kind of indoor sound reinforcement system. Its 100° dispersion angel is also easy for applying to wide-field coverage. We strongly recommend combining VLA-206 with VLA-206SUB and hanging the whole system by optional VLA-206 Frame hardware. System recommendation: 4pcs VLA-206 + 1pc VLA-206SUB.

Technical Specifications

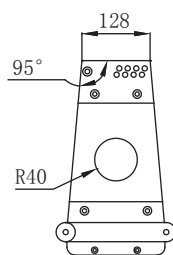
| Performance Parameters | |
|------------------------------|---|
| Components | 2 x 6.5" Cone woofer with water proof coating ; 1 x 1" Compression driver |
| Operating Type | 2 ways full range with active crossover system driven by ext. amplifier |
| Profile | Cuboid with trapezoid back |
| Cabinet | Baltic birch plywood |
| Surface | Waterborne anti-scratch paint |
| Connector | 2 x NL4 Speakon |
| Flying System | Dedicated VLA206 frame hardware |
| Recommended Sub-Woofer | VLA206SUB |
| Dimension | 184mm×536mm×365mm(H×W×D) |
| Weight | 12kg |
| Nominal Parameters | |
| Frequency Responsible | 90Hz~18.5KHz (±3dB) 70Hz~20KHz (-10dB) |
| Sensitivity(1m/1W) | HF 106dB ML 95dB |
| Nominal Impedance | HF:8Ω MF:8Ω |
| Rated Power(AES) | Continue: HF:40W MF:240W; Program: HF:80W MF:480W; Peak: HF:160W MF: 960W |
| Maximum SPL(1m) | HF: 135dB MF:125dB |
| Nominal Coverage Angel(-6dB) | 100° Horizontal ; 10° Vertical |

Dimension and diagram

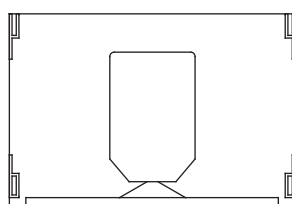
Unit : mm



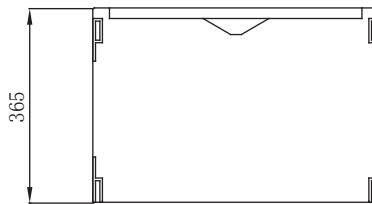
FRONT



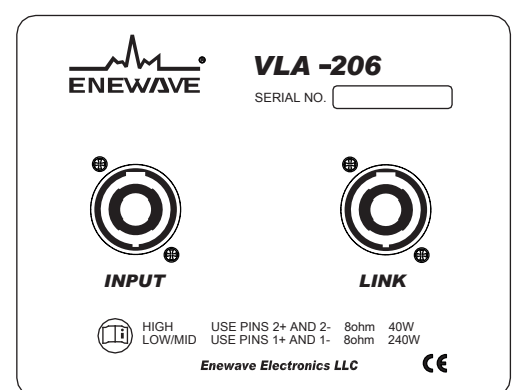
RIGHT



TOP



BOTTOM



Input panel