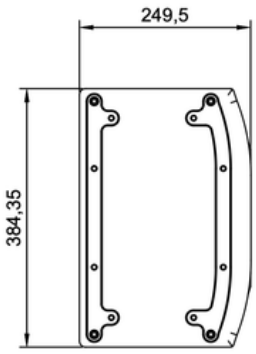
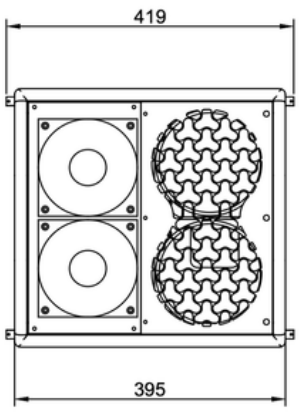
# B14 MKIV - Data Sheet
## Compact Line Array






Based on the EmPad B7; the B14 is essentially two EmPad B7s working together in a single cabinet. This reduces the height of the overall array when used in that configuration. More compact than two EmPad B7s together.

The EmPad B14 receives the same updates and revisions cycles as the EmPad B7. Our latest being the B14 MKIV. A very compact form factor that is highly efficient in it's specified frequency range. Delivering true and honest mid-highs at immense SPLs.

An extremely flexible product; capable of both line array and near field coverage applications. From high-impact clubs to large outdoor events and everything in between, the EmPad B14 is a reliable tool for the job.

Our proprietary EmPad WG-MP waveguide ensures even coverage and linearity of mid-high frequencies; whilst also providing exceptional phase response in a single cabinet or line array configuration.

The EmPad B14 MKIV comes standard with rigging and is directly compatible with rigging to the EmPad B7 and B28 loud speakers. Transition rigging beams from our Low Frequency Element loud speakers and wall mounted single cabinet solutions are also available. Please consult our EmPad B14 MKIV rigging documentation for further details.

Pole mounts on the EmPad B14; positioned on both the top and bottom of the cabinet allows the high frequency section to be either on the inside or outside of a conventional L-R pole setup.

All connectors for the "Input" and "Output" sections of the connector panel are industry standard Neutrik NL4 Speakon connectors.

Up to two EmPad B14s are able to be powered on a single amplifier channel. A Speakon termination plug will be needed to complete the circuit at the end of the link chain for the B14s. Please consult our EmPad amplifier documentation for further details.

Made from European parts and ideas, the EmPad B14 is made from high quality components and materials; from electronics and transducers to the birch ply-wood used for every EmPad loud speaker cabinet. We ensure the highest possible sonic and build quality. All built in-house at our factory in Thailand.

EmPad
HORNLESS DESIGN

# **B14** MKIV - Data Sheet
## Compact Line Array

| | |
|---|---|
| **ACOUSTICAL PROPERTIES** | |
| Operating Frequency Range (Within + / - 3dB) | 300 Hz - 20kHz |
| Maximum SPL | 137 dB |
| Useful Coverage Angle | 90° x 90° |
| **POWER HANDLING** | |
| Nominal Impedance | 16 Ohm |
| Recommended Power (Single Channel) | 1300 W @ 4 Ohm |
| Recommended Power Amplifier | EmPad MP4D |
| **CONNECTION & WIRING** | |
| Loud Speaker Wiring Configuration | 2 Way - Single Amped (Internal Crossover) |
| “Input” Speakon Connector (Neutrik NL4) | “Input” Pin 2 +VE Connects to Internal Crossover, Pin 2 -VE Loops to “Output” Pin 2 +VE Speakon Connector. |
| “Output” Speakon Connector (Neutrik NL4) | “Output” Pin 2 -VE Connects to Internal Crossover. A Speakon “Termination” Plug is Required to Complete the Circuit. |
| **TRANSDUCERS** | |
| Mid Frequency | Two 7-inch Cone Neodymium Drivers. |
| High Frequency | Two 1.25-inch Diaphragm Drivers Coupled to Proprietary EmPad WG-MP Waveguide. |
| **PHYSICAL PROPERTIES** | |
| Cabinet Dimensions (MM) | 419 x 384 x 250 |
| Cabinet Weight (KG) | 21.8 |

Continued R&D leads to innovation and improvements. In the light of implementing such improvements, EmPad reserves the right to change published specifications and parameters without prior notice.