

Preliminary

ViFORCE™ Data Sheet

ViFORCE™

Compact 4-way cardioid line array system for medium events with 3D adaptable directivity control



ViFORCE™ is a very compact, high output line array system with CODA's Wideband Cardioid™ pattern control system, giving pattern control right the way through the loudspeakers operating range of 45Hz to 21kHz.

The dual 8" forward facing low frequency drivers combine with side firing 6.5" drivers in a unique configuration that not only provides the LF performance of a larger system to the audience, but also cancel energy at the rear over a much wider bandwidth than conventional cardioid systems, allowing not only a quieter stage but also more LF extension from the system.

The mid and high ranges are covered by a single source, dual diaphragm compression driver, the DDP, which integrates the acoustic source with the wavefront transformer to produce the perfect, phase coherent wavefront with the lowest possible IMD and THD. The low distortion, coupled with with incredible transient response and a clear, exciting mid/high reproduction make this a low fatigue, engaging system.

ViFORCE™ is adaptable in the horizontal plane as well as vertical – the use of our InstaFit couplers and quick release grill make changing the horizontal coverage from 90° to 120°, or an asymmetric 105° a breeze.

Despite its small footprint, ViFORCE™ can be used in arenas of up to 10,000 capacity, by flying the SUB-FORCE™ 35 low frequency enclosure. A 200Hz low pass preset allows this to add additional low frequency power to the array. With a separate subwoofer preset, low pass at 75Hz, the same cabinet can be used as a subwoofer, reducing inventory and increasing flexibility.

ViFORCE™ Features

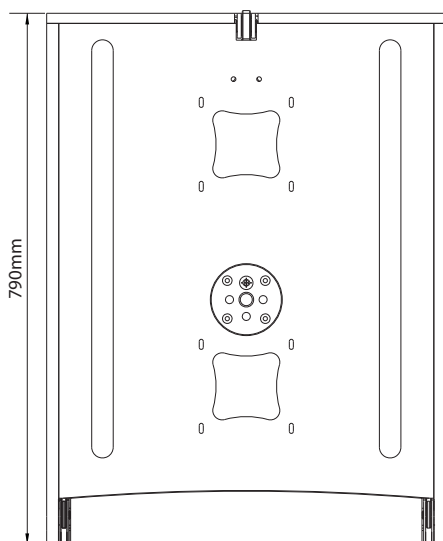
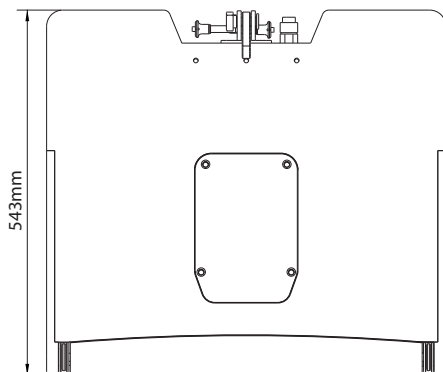
- ⊕ Wideband Cardioid™ pattern control technology extends pattern control over full operating range of the system
- ⊕ Linear Phase response over operating bandwidth
- ⊕ 6 Box system Frequency response 45Hz to 21kHz, -10dB
- ⊕ Incredibly compact with high output and wide frequency response
- ⊕ 4-Way system incorporating 3.5"/1.9" dual diaphragm mid/high compression driver
- ⊕ 2 x 8" plus 2 x 6.5" low frequency section
- ⊕ Dynamic Airflow Cooling (DAC) ensures exceptionally high sound pressure and low power compression
- ⊕ InstaFit couplers for 90°, 120° or 105° asymmetric horizontal dispersion
- ⊕ Maximum 6 box system output 155dBpk with A weighted pink noise, cf 12dB
- ⊕ Quick and easy 3 point rigging for flown or ground stacked arrays
- ⊕ Weighs only 29kg per enclosure
- ⊕ System integration with LINUS Loudspeaker Management Amplifiers



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System specifications (6 x ViFORCE™)

Product type:	Compact 4-way cardioid line array system for medium events with 3D adaptable directivity control
Frequency response:	45 Hz - 21 kHz, -6dB@50Hz
Maximum peak SPL (with LINUS14):*	155 dB
Cabinets per LINUS14:	6 x



Loudspeaker specifications (single ViFORCE™)

Power handling Front (LF / MF / HF) AES / Peak:	1000 W / 4000 W
Side (cardio section) AES / Peak:	700 W / 2800 W
Dispersion horizontal:	90°, 120° or asymmetrical 105° Wideband Cardioid™
Dispersion vertical:	0.5°, 1.0°, 1.5°, 2.5°, 3.5°, 4°, 5.0°, 5.5°, 7.0°, 8.5°, 10°
Components Low frequency:	Front - 2x 8" neodymium, water resistant cones, 2.5" VC Side - 2x 6.5" neodymium, water resistant cones, 2" VC
Components Mid/High frequency:	8" DDP (Dual Diaphragm Planar-wave-driver) Mid (400 – 6.300 Hz) annular diaphragm with 3.5" VC High (6.3 – 21 kHz) annular diaphragm with 1.75" VC
Crossover point:	Front: 600 Hz / 6300 Hz passive, Side: 300Hz active
Input connectors:	Neutrik™ NLT4M + 1x Link cable with NL4FXX-W-S
Nominal impedance LF / MF+HF:	Front - 16 Ω (+-1) Side - 16 Ω (+-2)
Enclosure material:	Hybrid: Birch plywood / Aluminium
Finish:	Polyurea coating
Suspension:	Integrated 3-point rigging
IP rating options (IEC 60529):	IP54
Weatherproof protection options:	Standard IP55: IP55 (Amphenol connectors) MG1 (Marine Grade 1): IP55
Dimensions (WxHxD):	594 x 249 x 543 mm / 23.39 x 9.77 x 21.38"
Net weight:	29 kg / 63.93 lbs

** Measured with pink noise 12 dB Crest Factor. (A-weighted).

Other ViFORCE™ System Products



SUB FORCE™ 35



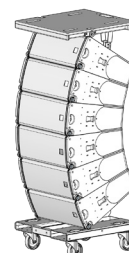
LINUS M-RACK

4 Channel DSP
Amplifier Rack



LINUS T-RACK

12-Channel DSP
Amplifier Rack



Accessories

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