Large-Format Line Arrays

By GeorgePetersen

or tours, festivals, events and installs in arenas, stadiums and large spaces, you typically need long-throw, high-power systems. This calls for large-format line arrays, here defined as systems with dual 12- or 15-inch woofers. Checking around, we found a wide range of speakers — in powered and unpowered systems — with a lot of variety and system topologies on the market. With that in mind, we've provided URL's for each company; contact the manufacturers for more information

BASSBOSS MFLA



(HxWxD)

Weight: 104 pounds

Notes: Onboard DSP

Size: 15.4 x 51.2 x 24.7"

Weight: 176 pounds

Power: d&b amp/DSP

package recommended

Notes: Near-cardioid

Companion Sub: Triple

performance

21"SL-G SUB

(HxWxD)

Companion Sub: SSP 215,

Power: 3.000W

LF: (2) 12" neodymium woofers **HF:** (2) 1.4" exit comp. drivers 60Hz to 18kHz (±3 dB) **Horizontal Dispersion:**

120° **Size:** 16.15 x 40.5 x 20.4'

d&b audiotechnik GSL12



LF: (2) 14" and (2) 10" neodymium woofers MF: 10" neodymium cone **HF:** (3) 1.4"-exit drivers

Frequency Response: 45Hz to 18kHz **Horizontal Dispersion:**

EAW Anya



LF: (2) 15" aperture-loaded **MF:** (6) 5.25" cone horn-loaded mids **HF:** (14) 1" exit drivers. horn-loaded Frequency Resi 35Hz to 18kHz **Horizontal Dispersion:**

Size: 16.9 x 45 x 30" (Hx-Weight: 285 pounds Power: 10,000W triamped Class-D w/DSP **Companion Sub:** Otto Adaptive Subwoofer

Adamson E15



LF: (2) 15" neodymium/ (HxWxD) Kevlar woofers MF: (2) 7" Keylar cone mids **HF:** (2) 1.5" exit drivers Frequency Response: 60Hz to 18kHz **Horizontal Dispersion: Size:** 15.4 x 51.4 x 21.4"

Weight: 176 pounds Power: Adamson E-Rack Powering Notes: Active 3-way Lake presets Companion Sub: E15.

Clair Global Cohesion CO-12

80° (120° avail.)



LF: (2) 12" neodymium woofers MF: neodymium mid drivers HF: neodymium compression drivers Frequency Response: 35Hz to 20kHz

Size: 14 x 45 x 22" Weight: 132 pounds Power: Clair StakRack or PakRak Notes: Proprietary Clair/ Lake processing Companion Sub: Cohesion CP118, CP218 **Horizontal Dispersion:**

DAS Audio Aero Series 2 Aero 50



LF: (2) 15" neodymium MF: (4) 8" cone neodymium mids um drivers to 20kHz

HF: (2) 1.5" exit, neodymi-Frequency Response: 45 **Horizontal Dispersion:**

Size: 18.7 x 53.1 x 24.7"

Weight: 187 pounds

Notes: Splay adjusts in

Power: Unpowered

Companion Sub: LX-

Weight: 145 pounds

Notes: AMT plane-wave

Power: Unpowered

0.8° increments

218CA, LX-218C

(HxWxD)



LF: (2) 12" neodymium **HF:** (4) 1.4" exit drivers **Frequency Response:** 48Hz to 19kHz **Horizontal Dispersion:**

HF array Companion Sub: Halo-CS

Size: 14.3 x 40.2 x 24.4"

emacoustics.co.uk

Alcons Audio LR28/110



LF: (2) 14" neodymium woofers MF: (4) 6.5" cone neodymium mids **HF:** 14" ribbon driver **Frequency Response:** 50Hz to 20 kHz (±3 dB) **Horizontal Dispersion:**

110°

Size: 15.8 x 47.2 x 21" (HxWxD) Weight: 139 pounds **Power:** ALC Sentinel 10 recommended Notes: 80° LR28/80 also offered Companion Sub: LB18, I B28

Coda Audio AiRAY



LF: (2) 12" neodymium woofers MF/HF: (2) coaxial 6" planar-wave drivers **Frequency Response:** 50Hz to 22kHz **Horizontal Dispersion:** Variable 90/100/110° **Size:** 26.5 x 14.7 x 22.5"

(HxWxD) Weight: 83.6 pounds **Power:** Unpowered **Notes:** Extremely compact design Companion Sub: SC2-F or SCV-F

codaaudio.com

dBTechnologies VIO L212



LF: (2) 12" neodymium MF: (4) 6.5" neodymium cone drivers HF: (2) 1.4" exit neodymium drivers Frequency Response: 55Hz to 18 6kHz

90° **Size:** 15 x 43.3 x 17.7" (HxWxD) Weight: 120 pounds **Power:** (2) 1,600W RMS Class-D **Notes:** Onboard DSP Companion Sub: VIO **Horizontal Dispersion:** S118R, VIO S218, VIO S318

ISP Technologies HDL 4212



LF: (2) 12" neodymium woofers **MF:** (2) 6.5" cone mids HMF: (2) 2" exit drivers **HF:** (4) 1.75" exit drivers **Frequency Response:** 68Hz to 18kHz

Size: 15 x 43.5 x 27.5"

(HxWxD) Weight: 185 pounds (with amps) Power: Six amps provide 2.000W total **Notes:** Outboard digital x-over required **Horizontal Dispersion:** 90° **Companion Sub:** XMAX 218

ispproaudio.com

JBL VTX A12



LF: (2) 12" neodymium **Size:** 13 x 44 x 19.5 MF: (4) 5.5" cone neodym-Weight: 134 pounds **Power:** Unpowered HF: (3) 2423K neodymium Notes: Crown I-Tech HD amps recommended **Companion Sub:** VTX Frequency Response: G28: VTXS28

woofers

ium mids

drivers

46Hz to 19kHz

Size: 14.5 x 46.25 x 20"

Weight: 163 pounds

Companion Sub: LX-

Power: 4,000W Class-D

Notes: Onboard DSP with

(HxWxD)

FIR filters

218S/LX-318C

Horizontal Dispersion:



LF: (2) 12" neodymium woofers **MF:** (4) 6.5" cone mids HF: (2) 1.4" exit neodymium drivers Frequency Response:

55Hz to 18kHz **Horizontal Dispersion:** 100°

(HxWxD)

Weight: 212 pounds

Notes: Downfiring GTO-

Companion Sub: GTO-

Power: Unpowered

DF also available

LOW, GTO-SUB



LF: (2) 15" woofers MF: (4) 8" cone mids HF: (4) 3" diaphragm neodymium drivers **Frequency Response:** 50Hz to 18kHz **Horizontal Dispersion:**

Size: 18.1 x 44.3 x 25.8"

ium mids

um drivers

60Hz to 19kHz

Sound Barrier SB-LA212



LF: (2) 12" neodymium **Size:** 15.7 x 43 x 25.6" MF: (2) 6.5" cone neodym-(HxWxD) Weight: 143 pounds HF: (2) 1.4" exit neodymi-Power: Unpowered Notes: Variable 0° to 8° Frequency Response: splay angles Companion Sub: SB-LA-**Horizontal Dispersion:** 828SUB

K-array Mugello-KH5



LF: (2) 15" woofers HF: (4) 1.4"-exit drivers Frequency Response: 50Hz to 19kHz **Horizontal Dispersion: Size:** 20.5 x 48 x 8.26"

(HxWxD) Weight: 134.5 pounds

Martin Audio MLA



LF: (2) 12" neodymium MF: (2) 6.5" cone neodymium mids **HF:** (3) 1" exit neodymium **Frequency Response:** 52Hz to 18kHz **Horizontal Dispersion:**

Size: 14.6 x 44.7 x 26.5" (HxWxD) Weight: 193 pounds Power: (6) Class-D, 6,000W **Notes:** DSP/networking control of each array cell Companion Sub: MLX Sub-Bass

Power: (4) 1,600W amp

Notes: Shallow-depth

design; onboard beam

Companion Sub: Mugello

channels

steering

KS5



LF: (2) 12" neodymium woofers MF: (4) cone midrange HF: (2) coaxial HF Frequency Response: 40Hz to 22 kHz **Horizontal Dispersion:** Variable, 60° to 120° Size: 13.8 x 54.8 x 23"

pksound.ca

Sound Bridge Labs 7222X\

(HxWxD)

Class-D

Weight: 259 pounds

Notes: Remotely adjust-

Companion Sub: Gravity

able horiz./vert dispersion

218. Gravity 30. Klarity 218

Power: 6,000 watts,

(HxWxD)

7221SWX

Weight: 141 pounds

Notes: MF/HF drivers on

O-Drive WaveShaper horns

Power: Unpowered

Companion Sub:

7218SWX, 7218SWX-F,

LF: (2) 12" neodymium HF: (2) neodymium EXO drivers Frequency Response: 50Hz to 22kHz **Horizontal Dispersion:**

Size: 13.75 x 41.7 x 27.5"

ers on DOSC waveguides **Frequency Response:** 35Hz to 20kHz **Horizontal Dispersion:**

LF: (2) 15" woofers

MF: (4) 6.5" cone mids

HF: (3) 3" diaphragm driv

Size: 17.2 x 52.8 x 20.5"

Notes: Wavefront Sculpture Technology

Companion Sub: K1-SB; SB28

(HxWxD)

amp/DSP

Weight: 234 pounds

Power: Optional LA-RAK

L-Acoustics K1

Meyer Sound LYON-M



x 21"

LF: (2) 12" long-excursion woofers HF: (2) 3" diaphragm comp. drivers Frequency Response Hz to 16.5k Hz **Horizontal Dispersion:**

Weight: 199 pounds Power: 3-channel Class-AR/H Notes: 110° dispersion LYON-W also avail. Companion Sub: VLFC, 1100-LFC **Size (HxWxD):** 14.9 x 38.2

meyersound.com

RCF HDL 50-A 4K



LF: (2) 12" neodymium 90° **Size:** 14.4 x 46 x 19.8" woofers MF: (4) 6" cone neodymi-(HxWxD)

um mids HF: (2) 2" exit neodymiur drivers Frequency Response: 40Hz to 20kHz **Horizontal Dispersion:**

Weight: 128.8 pounds Power: 4,000W RMS Notes: 32-bit FIR DSP with RDNet control **Companion Sub: HDL-**53AS, SUB 9007-AS

Size: 14 x 42.1 x 16.85"

rcf.it

VUE Audiotechnik al12



LF: (2) 12" neodymium MF: (6) 4" Kevlar cone neodymium drivers HF: (2) 1 4" exit drivers **Frequency Response:** 47Hz to 28kHz **Horizontal Dispersion:**

Weight: 129 pounds **Power:** Unpowered: VUEDrive V3 suggested Notes: Beryllium diaphragms Companion Sub: hs-228, hs-221

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