Line Array Sound Reinforcement System

MAIN APPLICATIONS

- Touring sound reinforcement
- Theatres, Stadiums, Concert Halls, Arenas.....
- Ideal for live applications assisted by MYRA subwoofers

MAIN FEATURES

- 3-way variable curvature line array system
- Two coax mid/high neodymium compression drivers
- Two 14” neodymium LF transducers
- Short path FBT waveguide with 90° horizontal dispersion
- 2 x Neutrik NLT 4MP Speakon INPUT & OUTPUT
- Autolock rigging system
- Cabinet in premium grade Baltic birch plywood and tour-ready weather resistant polyurea coating
- Internal passive MF/HF crossover
- Completely Manufactured in Italy

DESCRIPTION

MYRA system is a complete solution for mid to large size touring applications and high-end fixed installations. MYRA 214L is a full-range variable curvature 3-way line array module; MYRA 218S is a direct radiating dual 18” subwoofer featuring custom-designed, very long excursion B&C drivers. Designed without compromise, the MYRA establishes a new reference for SPL to size ratio, directivity control, coherence, and ease of use. It’s the result of an extensive three-year R&D program started from scratch to address the challenges of rental companies, FOH, and tour sound engineers. The heart of the MYRA 214L line array element features two uniquely designed neodymium coaxial compression drivers that combine a 4-inch voice coil mid-frequency and a 2.5-inch voice coil high-frequency into a 1.4” throat, developed in cooperation with B&C and covering the 400 Hz to 20 kHz range. Combined output from the compression drivers is loaded by a proprietary short-path and very wide bandwidth waveguide that ensures low distortion and controlled 90° horizontal broadband directivity. With an extended frequency response down to 40 Hz, which in most applications avoids the need for subwoofers, the MYRA 214L low-frequency section employs uniquely sized neodymium 14-inch drive units with 3-inch long excursion voice coils and a very high BL force factor to maintain complete control on the cone movement and projection of low frequencies. Conventional 2 x 15” line array systems are commonly used for large events like arena shows, large theatres, and festivals, but the size, weight, and cost of those systems make them hardly suited for most of the events covered by a standard rental company, which requires a system with high application flexibility. The MYRA system breaks the rules, combining the size, weight, and flexibility of a compact system with the SPL and long-throw projection of a large-format system. The cabinet construction typifies FBT’s signature “made in Italy” production philosophy. Completely fabricated in-house using machined premium Baltic birch and tour-ready weather-resistant polyurea coating, the MYRA 214L is built for life on the road. Tour sound production crews will appreciate the intuitive four-point integrated rigging system, which allows up to 24 cabinets to be flown quickly and easily in any venue with splay angles from 0.25° to 8°. To facilitate quicker deployment, MYRA 214L array elements are stacked four per vertical transport cart in an 8-degree collapsed position. An auto-locking internal mechanism makes it easy to set arrays at the desired inter-element angles using selector pins and securely lock all cabinets at the selected angle when lifted up. The MYRA 214L is bi-amped through a Neutrik NLT 4MP connector, one amp channel for LF and one for the Mid/HF, with an internal passive crossover. Optimized factory presets for various DSP platforms ensure linearization and protection for all commonly used system configurations.

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TECHNICAL SPECIFICATIONS

GENERAL

Code	Black	42655
Configuration	way	3
Low frequency woofer	inch	2 x 14 (neo)- 3 voice coil
High frequency driver	inch	1.4 (neo) - 4 coil MF/ 2.5 coil HF

ACOUSTIC SPECIFICATIONS

Frequency response (@-6dB)	Hz	40 - 20k
Sensitivity (@1W/1m)	dB	---
MAX SPL (peak)	dB	147
Dispersion	H° x V°	90° x depends on curvature and n. of elements

INPUTS & OUTPUTS

Input connectors		Neutrik NL T4MP
Splay angle between cabinets		8° max (0,25°-1°-2°-3°-4°-6°-8° step)

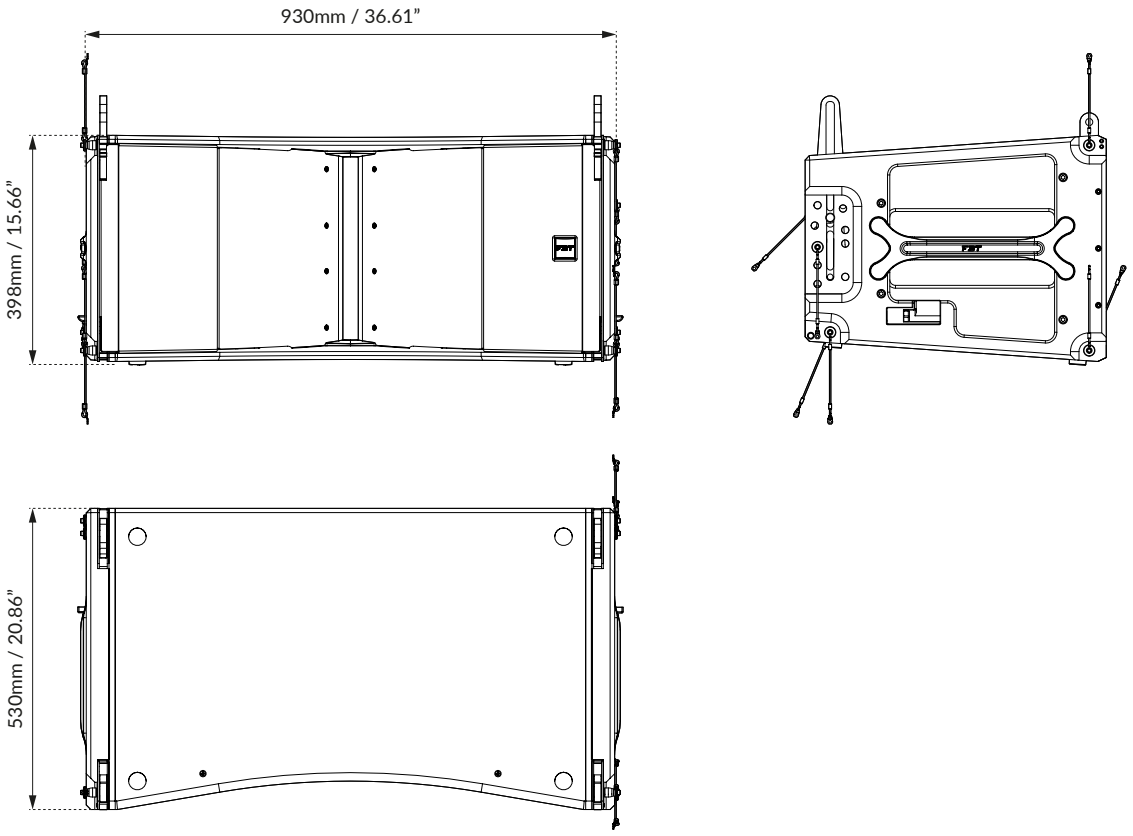
AMPLIFIER

Recommended amplifier	W RMS	1600 LF - 600 MF/HF
Long term power	W	800 LF - 300 MF/HF
Short term power (IEC 268-5)	W	3200 LF - 1200 MF/HF
Nominal impedance	Ohm	4 LF - 16 MF/HF

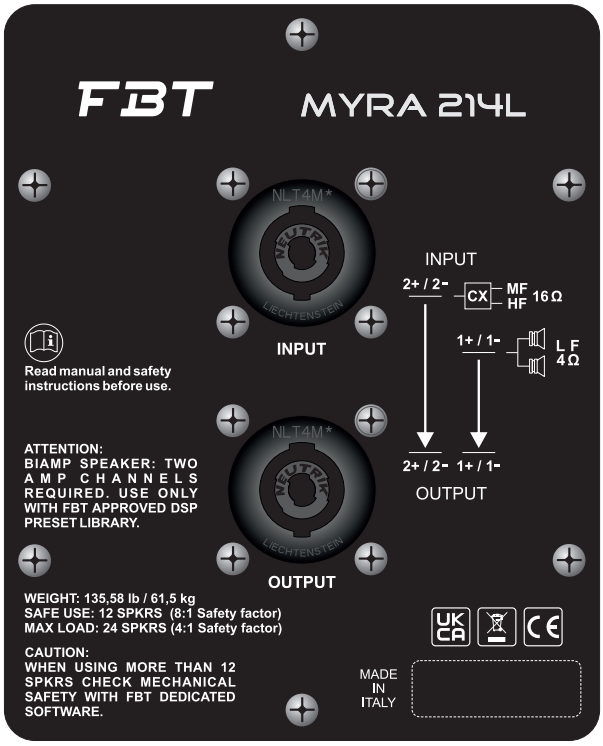
MECHANICAL SPECIFICATIONS

Enclosure material		Premium grade baltic birch plywood | Weather resistant polyurea coating
Net dimensions (WxHxD)	mm	930 x 398 x 530
	inch	36.61 x 15.66 x 20.86
Transport dimensions (WxHxD) with pallet	mm	620 x 1150 x 455
	inch	24.41 x 45.28 x 17.91
Net weight	kg	61.50
	lb	135.58
Transport weight	kg	68
	lb	149.91

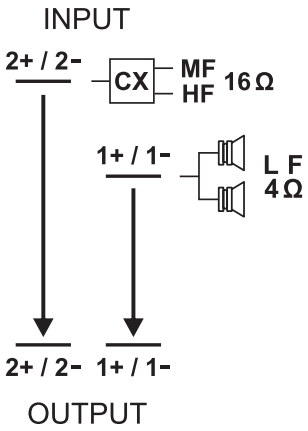
DIMENSIONAL DRAWING



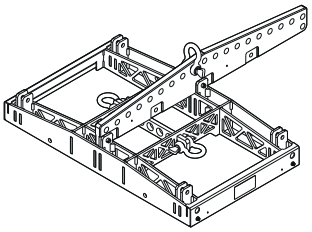
CONTROL PANEL



WIRED CONNECTION



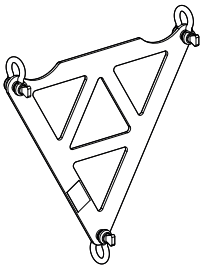
ACCESSORIES



MR-F 214

Array Frame
Code: 43901

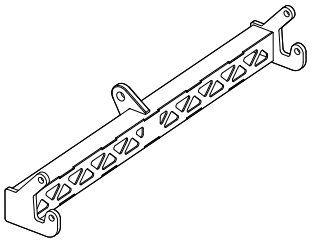
890 x 145 x 990mm
35.03 x 5.70 x 38.96inch
FRAME | 33 kg / 72.75 lb
FLYBAR | 13 kg / 28.66 lb



MR-FJ 214

Rigging Accessory for Azimuth Adjustment
Code: 44227

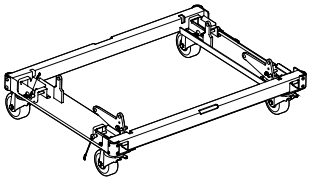
660 x 580mm
25.98 x 22.83inch
8.50 kg / 18.73 lb



MR-J 214

Pull-back Compression Frame
Code: 44228

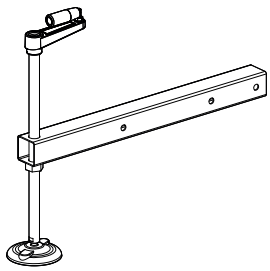
880 x 140 x 140mm
34.65 x 5.51 x 5.51inch
6.50 kg / 14.33 lb



MR-T 214

Trolley or Ground Stack
Code: 43898

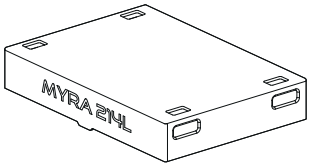
1140 x 236 x 820mm
44.88 x 9.29 x 32.28inch
39 kg / 85.98 lb



MR-P 214

Extension Feet for Trolley
Code: 44591

570 x 396 x 150mm
22.44 x 15.59 x 5.91inch



MR-TC 214

Top Cover
Code: 44592

1120 x 192 x 800mm
44.09 x 7.56 x 31.50inch

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