

# Sound Reinforcement Speaker

## MAIN APPLICATIONS

- Live sound PA system or live sound monitor
- DJ system
- School and corporate audio visual sound reinforcement
- Background music/announcement:
  - Restaurants, pubs & clubs
  - Transportation terminals
  - Auditorium and theatres
  - Gyms
  - Houses of worship

## MAIN FEATURES

- 2 x 15" B&C neodymium woofer with 3" coil
- 2" B&C neodymium driver with 2.5" coil
- Recommended amplifier: 1600W RMS / 4Ohm
- MAX SPL: 138dB
- 60° H x 40° V rotatable horn
- Input panel with 2 x Neutrik Speakon NL4MDV IN & link
- 12 x M10 fly points
- 0.59" (15mm) baltic birch plywood cabinet
- Completely manufactured in Italy



## DESCRIPTION

The FBT MITUS 215 two-way passive reinforcement speaker system shall incorporate 2 x 15" B&C neodymium woofers with 3" voice coil and a 2" exit B&C neodymium driver with a 2.5" voice coil coupled to a rotatable 60° x 40° horn; thanks to the rotatable HF horn, it is possible to create horizontal arrays of 2 enclosures for a total coverage of 100°. The FBT MITUS 215 shall meet the following performance criteria: Frequency response of 47Hz to 20kHz, Frequency sensitivity of 103dB, Maximum SPL of 138dB, Recommended power amplifier 1600W RMS / 4 Ohm. The FBT MITUS 215 passive speaker features 0.59" Baltic birch plywood construction covered in a scratch & scuff-resistant black finish; the front shall be protected by a heavy-duty metal grille with anti-resonance spacers and exclusive synthetic cloth to protect the drivers. The high-grade passive internal crossover features 'soft-trip' circuitry protection for the LF woofer and HF driver. Input connectors shall be parallel-wired Neutrik NL4 Speakon. The 12 M10 anchoring points built into the cabinet allow the FBT MITUS 215 speaker to be surface-mounted on ceilings.

## TECHNICAL SPECIFICATIONS

### GENERAL

Configuration	way	2
Low frequency woofer	inch	2 x 15 - 3 coil
High frequency driver	inch	2 - 2.5 coil

### ACOUSTIC SPECIFICATIONS

Frequency response (@-6dB)	Hz	47 - 20k
Sensitivity (@1W, 1m)	dB	103
MAX SPL (cont/peak)*	dB	134 / 138
Recommended HP filter	Hz - dB oct.	40 - 24
Crossover frequency	Hz	1.2k
Dispersion	H x V	60° x 40°

### INPUTS & OUTPUTS

Input connectors		Neutrik speakon NL4 IN & link
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### AMPLIFIER

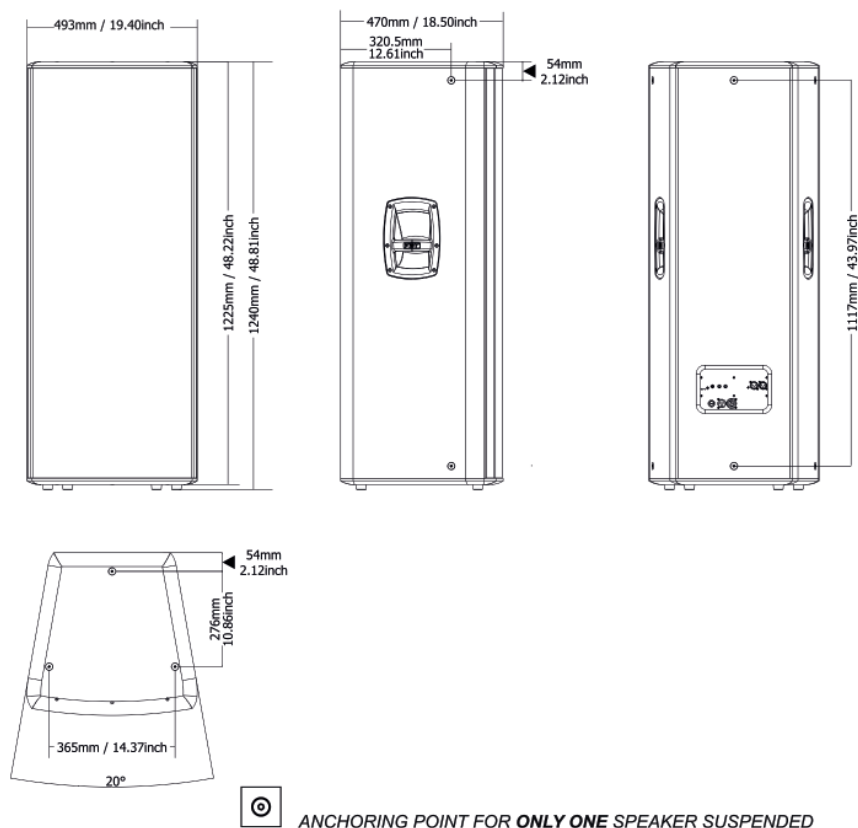
Recommended amplifier	W RMS	1600
Short term power (@IEC 268-5)	W	2800
Long term power (AES)	W	800
Nominal impedance	Ohm	4

### MECHANICAL SPEC.

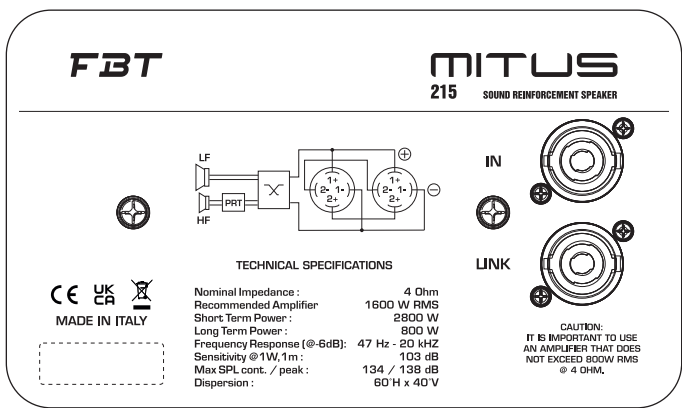
Material		0.59" (15mm) birch plywood
Net dimensions (WxHxD)	mm inch	493 x 1245 x 471 19.04 x 49 x 18.5
Transport dimensions (WxHxD)	mm inch	618 x 1355 x 610 24.3 x 53.3 x 24
Net weight	kg lb	48 105.82
Transport weight	kg lb	53.5 117.94

\* CONT. SPL: half space, based on recommended amp rating and LF transducer average sensitivity data, 125ms time average.  
PEAK SPL: half space, based on short term applicable power rating and system peak sensitivity, 10ms time average.

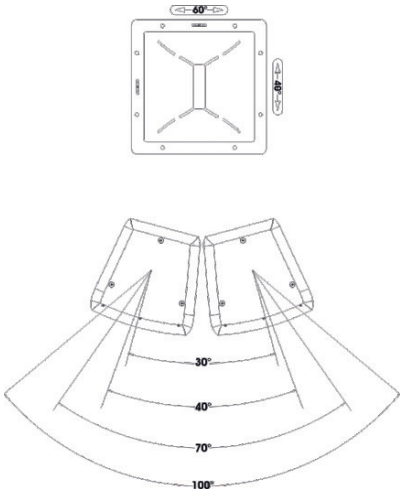
DIMENSIONAL DRAWING



CONNECTION PANEL



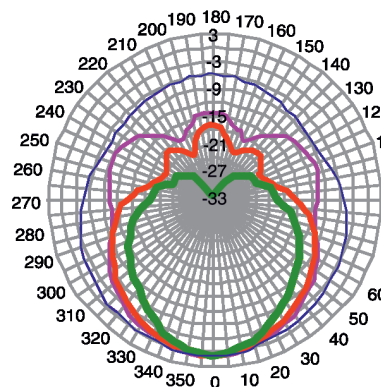
ROTATABLE HORN



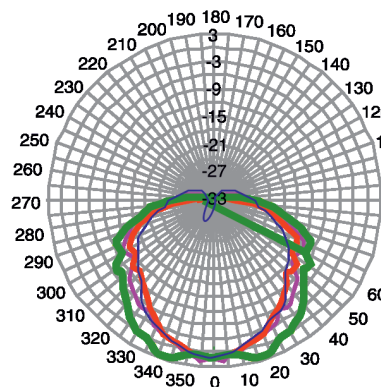
30°----- with 40° horn position  
40°----- with 60° horn position  
70°----- total coverage with 40° horn position  
100°----- total coverage with 60° horn position

## DIAGRAMS

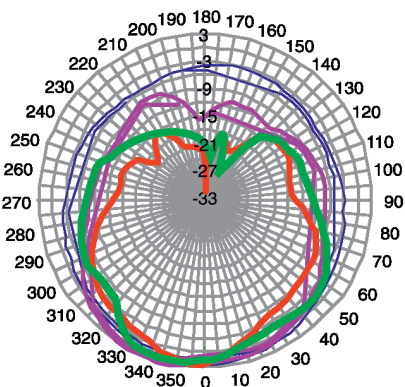
Horizontal polar diagrams



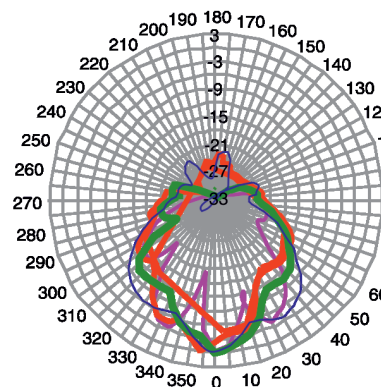
Horizontal polar diagrams



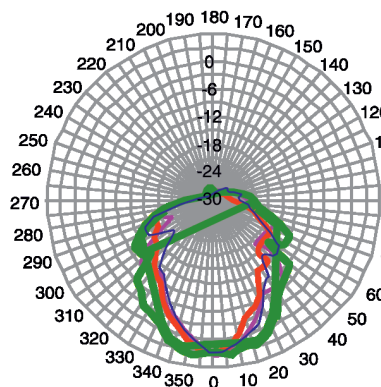
Vertical polar diagrams



Vertical polar diagrams



Vertical polar diagrams



Vertical polar diagrams

