

## Passive 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
  - Transportation terminals
  - Clubs
  - Auditorium
  - Theatres
  - Gyms
  - Houses of worship

### MAIN FEATURES

- 15mm / 0.59" baltic birch plywood cabinet
- Recommended amplifier 1600W RMS / 4 Ohm
- 2 x 15" B&C neodymium woofer with 3" voice coil
- 2" exit B&C neodymium driver with 2.5" voice coil
- 60° H x 40° V rotatable horn
- Input panel with 2 x Neutrik speakon NL-4MDV in & link
- SPL capability: 138dB
- 12 x M10 fly points
- Completely Manufactured in Italy



### DESCRIPTION

The FBT MITUS 215 two-way passive reinforcement speaker system shall incorporate 2 x 15" B&C neodymium woofer with 3" voice coil and 2" exit B&C neodymium driver with 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 feature 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 antiresonance spacers and exclusive synthetic cloth to protect the drivers. The hi-grade passive internal crossover featuring «soft-trip» circuitry protection of 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	1 x 2 - 2.5 coil

#### ACOUSTIC SPEC.

Frequency response	(@ -6dB)	47Hz - 20kHz
SPL max. (cont / peak)*	dB	134 / 138
Dispersion	H x V	60° x 40°
Crossover Frequency	kHz	1.2
Sensitivity	(@1W,1m)	100 dB
Recommended HP filter	Hz - dB	40 - 24 oct.

#### INPUTS / OUTPUTS

Connectors		2 x Speakon NL4 in & thru
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#### AMPLIFIER

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

#### MECHANICAL SPEC.

Material		0.59 Birch plywood
Net size ( WxHxD )	mm inch	493 x 1245 x 471 19.04 x 49 x 18.5
Net weight	kg Lbs	48 105.82

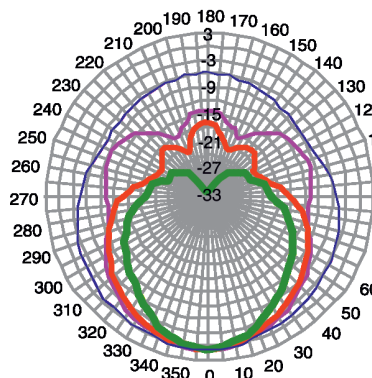
\*CONT. SPL: free space, based on recommended amp rating and LF transducer average sensitivity data, 125mS time average

PEAK SPL : free space, based on short term applicable power rating and system peak sensitivity, 10mS time average

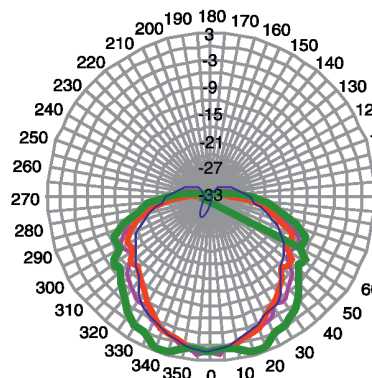
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## DIAGRAMS

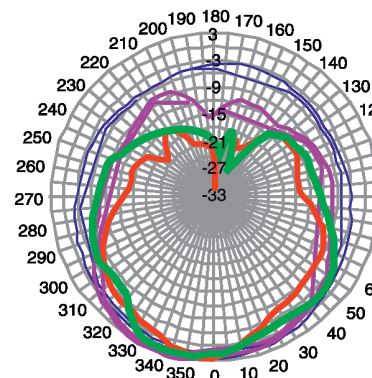
Horizontal polar diagrams



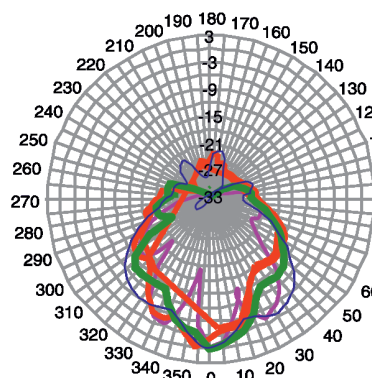
Horizontal polar diagrams



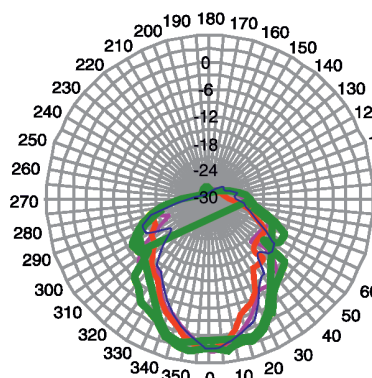
Vertical polar diagrams



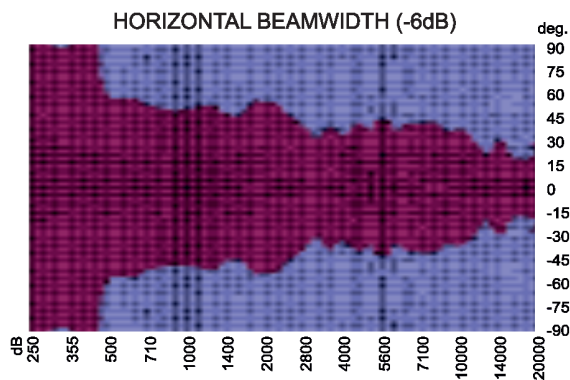
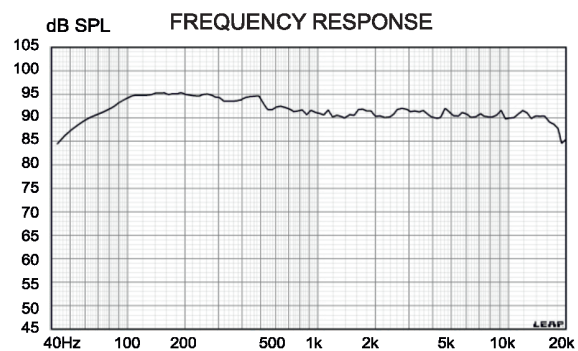
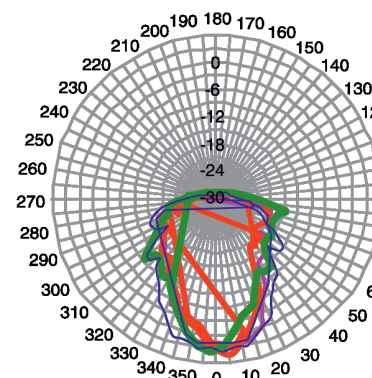
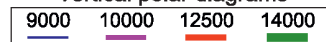
Vertical polar diagrams



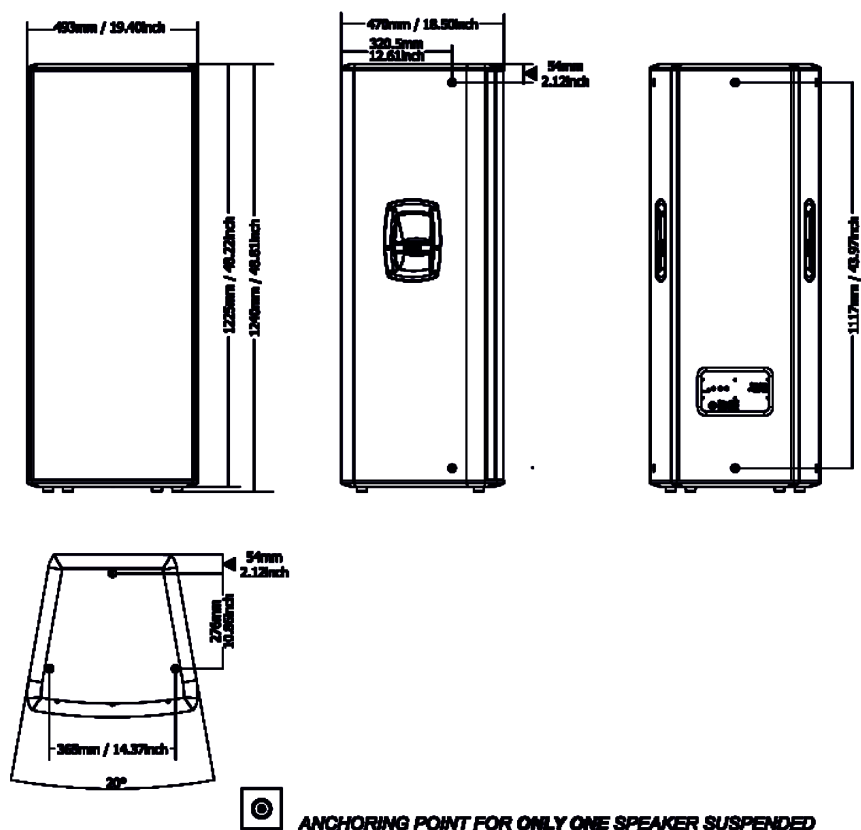
Vertical polar diagrams



Vertical polar diagrams

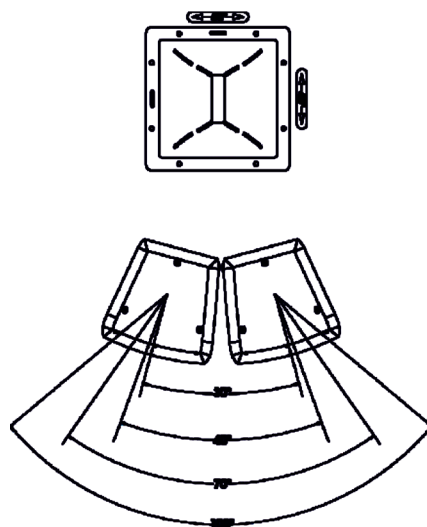
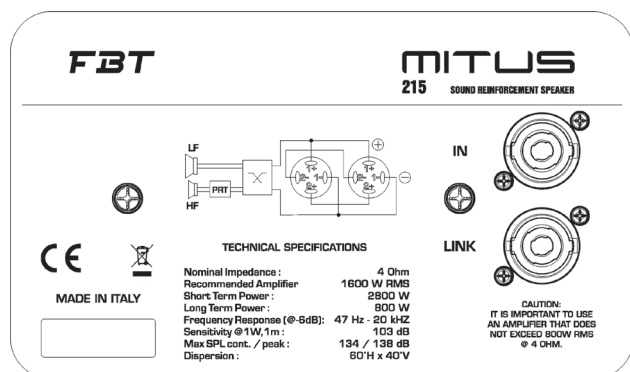


## DIMENSION DRAWING



## 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