

Processed Active 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
- Class D built-in amplifier 1100W RMS LF, 250W RMS HF
- 2 x 15" B&C neodymium woofer with 3" voice coil
- 2" exit B&C neodymium HF driver with 2.5" voice coil
- 60° H x 40° V rotatable horn
- Input panel with XLR in&link, Volume, Preset, Delay, HP filter, 3 status led (on, peak, lmt/prt)
- SPL capability: 136dB
- Frequency response 42Hz to 20kHz
- 12 x M10 fly points
- Completely Manufactured in Italy



DESCRIPTION

The FBT MITUS 215A two-way bi-amplified 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 215A shall meet the following performance criteria: Frequency response of 42Hz to 20kHz, Maximum SPL of 136dB, 1100W RMS + 250W RMS class D amplifiers. The FBT MITUS 215A provides a DSP with 6 EQ presets. The FBT MITUS 215A 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 anti-resonance spacers and exclusive synthetic cloth to protect the drivers. The control panel provides XLR input & link, level, preset, delay, HP filter. The 12 M10 anchoring points built into the cabinet allow the FBT MITUS 215A speaker to be surface mounted on ceilings.

TECHNICAL SPECIFICATIONS

GENERAL

Configuration	way	2 - bi-amplified
Low frequency woofer	inch	2 x 15 - 3 coil
High frequency driver	inch	1 x 2 - 2.5 coil

ACOUSTIC SPEC.

Frequency response	(@ -6dB)	42Hz - 20kHz
SPL max. (cont / peak)**	dB	133 / 136
Dispersion	H x V	60° x 40°
Crossover Frequency	kHz	1.2

INPUTS / OUTPUTS

Connectors		XLR with loop
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POWER SUPPLY

AC Power requirement	VA	800
Power cord	mt ft	5 16.4

AMPLIFIER

Built-in amplifiers LF - HF (cont./max)*	W RMS	700 - 200 / 1100 - 250
Built-in amplifiers LF - HF (peak)*	W	2200 - 500
Input impedance	kOhm	22

MECHANICAL SPEC.

Material		Birch plywood
Net size (WxHxD)	mm inch	493 x 1245 x 471 19.04 x 49 x 18.5
Net weight	kg Lbs	52.5 115.74

*CONT.: 500mS, rms power on nominal speaker impedance / MAX.: 2mS burst, rms power on nominal speaker impedance / MAX PEAK: based on max peak output voltage and nominal speaker impedance

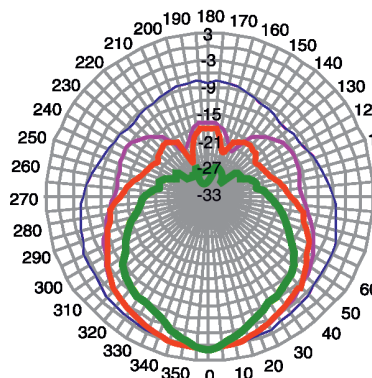
**CONT. SPL: free space, based on continuous power amp rating and LF transducer average sensitivity data, 125mS time average

PEAK SPL: free space, based on max peak power amp rating and system peak sensitivity, 10mS time average

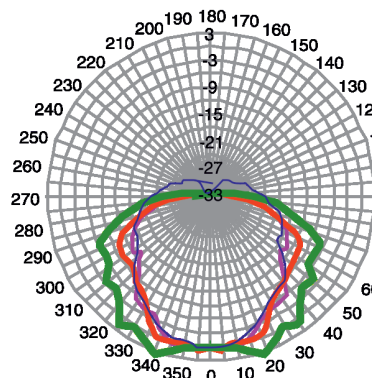
FBT S.p.A. strive to improve their products continuously, and therefore reserve the right to make changes to the drawings and technical specifications at any time and without notice.

DIAGRAMS

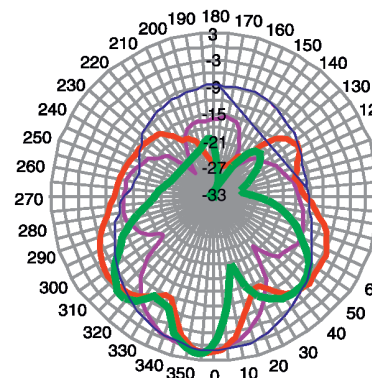
Horizontal polar diagrams



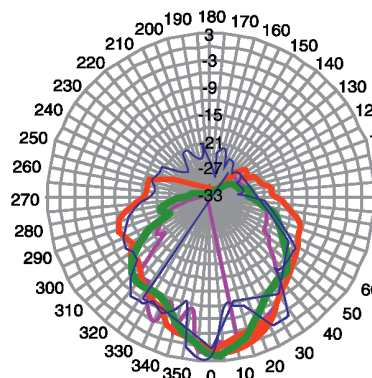
Horizontal polar diagrams



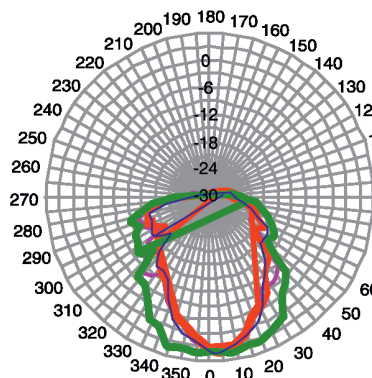
Vertical polar diagrams



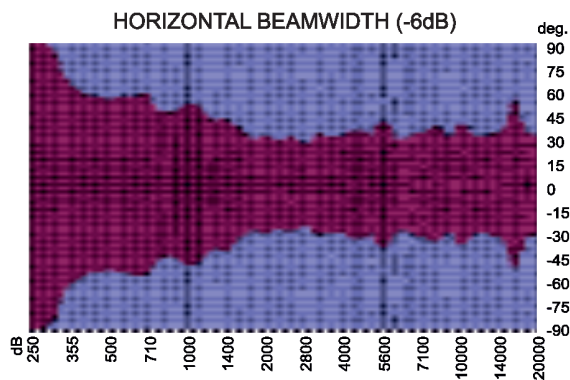
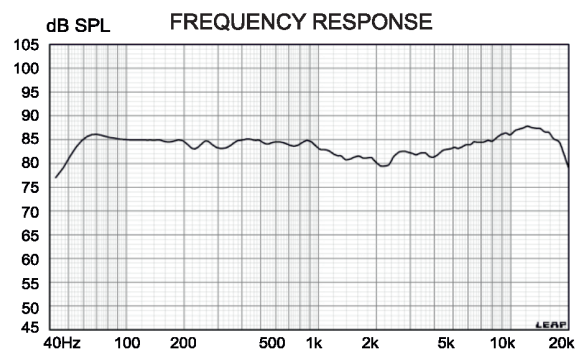
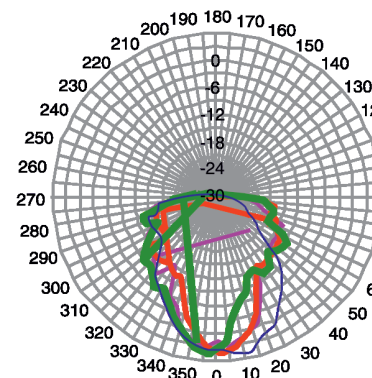
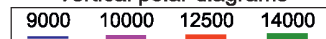
Vertical polar diagrams



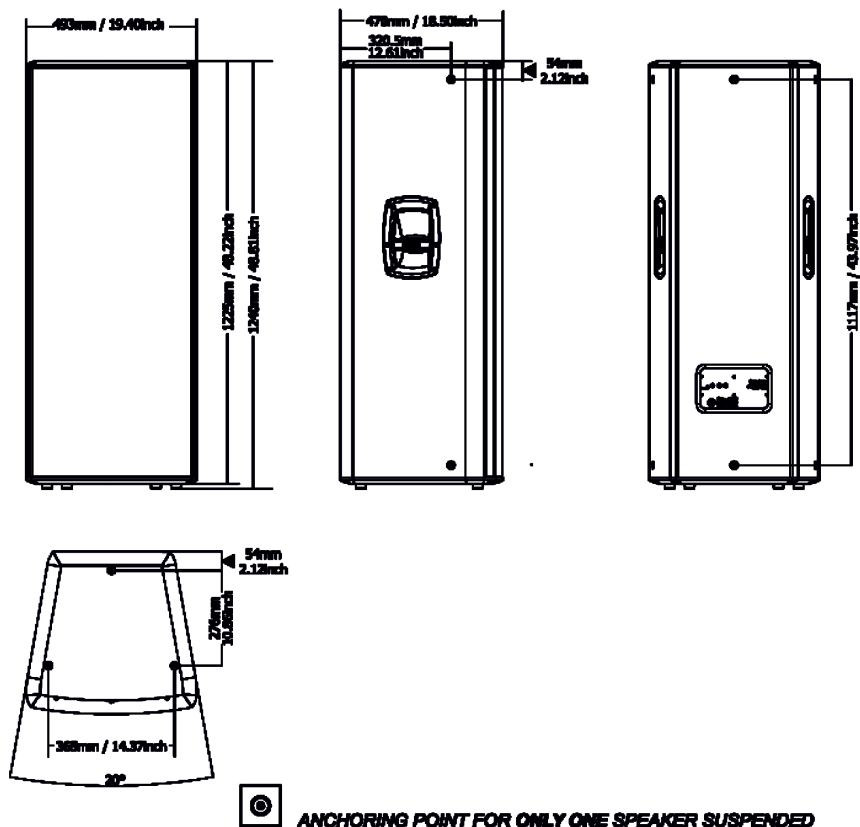
Vertical polar diagrams



Vertical polar diagrams



DIMENSION DRAWING



CONNECTION PANEL

ROTATABLE HORN

