

# 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 & clubs
  - Transportation terminals
  - Auditorium and theatres
  - Gyms
  - Houses of worship

## MAIN FEATURES

- 15mm / 0.59" baltic birch plywood cabinet
- Recommended amplifier 800W RMS / 8 Ohm
- 15" B&C neodymium woofer with 3" voice coil
- 1" exit B&C neodymium driver with 1.7" voice coil
- 80° H x 50° V rotatable horn
- Input panel with 2 x Neutrik speakon NL-4MDV in & link
- MAX SPL capability: 132dB
- 12 x M10 fly points
- Completely Manufactured in Italy



## DESCRIPTION

The FBT MITUS 115 two-way passive reinforcement speaker system shall incorporate 1 x 15" B&C neodymium woofer with 3" voice coil and 1" exit B&C neodymium driver with 1.7" voice coil coupled to a rotatable 80° x 50° horn; thanks to the rotatable HF horn it is possible to create horizontal arrays of 2 enclosures for a total coverage of 130°. The FBT MITUS 115 shall meet the following performance criteria: Frequency response of 50Hz to 18kHz, Frequency sensitivity of 100dB, Maximum SPL of 132dB, Recommended power amplifier 800W RMS / 8 Ohm. The FBT MITUS 115 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 anti-resonance 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 115 speaker to be surface mounted on ceilings and a standard 1.38" speaker stand socket allows the FBT MITUS 115 to be mounted on speaker stands.

## TECHNICAL SPECIFICATIONS

### GENERAL

Code		31860
Configuration	way	2
Low frequency woofer	inch	15 - 3 coil
High frequency driver	inch	1 - 1.7 coil

### ACOUSTIC SPECIFICATIONS

Frequency response (@-6dB)	Hz	50 - 18k
Sensitivity (@1W/1m)	dB	100
MAX SPL (cont/peak)*	dB	128 / 132
Dispersion	H° x V°	80 x 50
Recommended HP filter	Hz - dB oct	40 - 24
Crossover frequency	Hz	1.5k

### INPUTS & OUTPUTS

Input connectors		2 x Neutrik speakon NL4 in & thru
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### AMPLIFIER

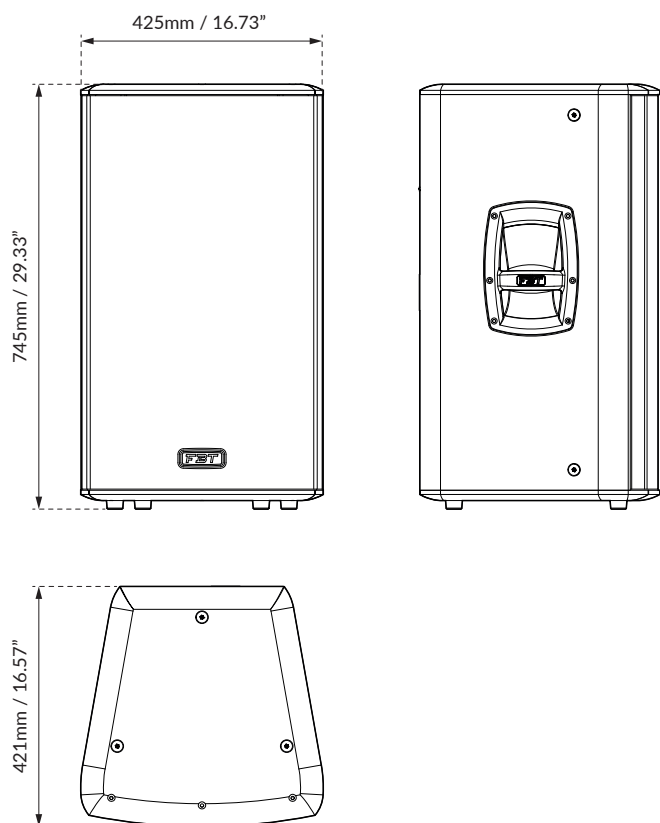
Recommended amplifier	W RMS	800
Long term power (AES)	W	400
Short term power (IEC 268-5)	W	1400
Nominal impedance	Ohm	8

### MECHANICAL SPECIFICATIONS

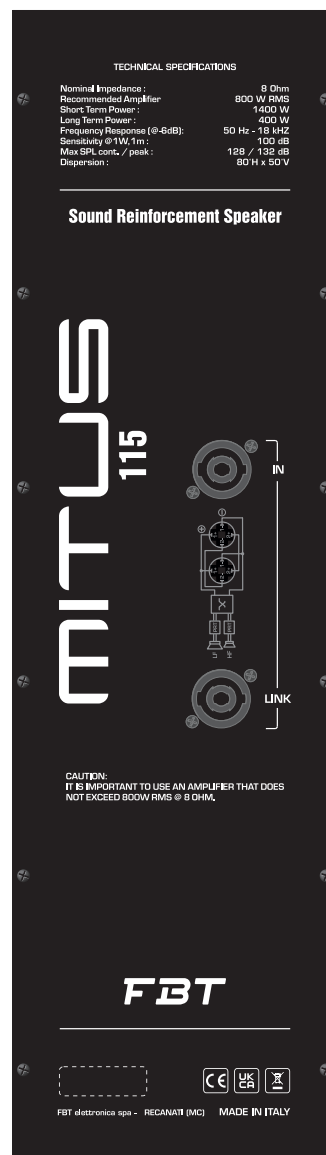
Material		0.59" baltic birch plywood
Net dimensions (WxHxD)	mm	425 x 745 x 421
	inch	16.73 x 29.33 x 16.57
Transport dimensions (WxHxD)	mm	600 x 845 x 520
	inch	23.62 x 33.27 x 20.47
Net weight	kg	27
	lb	59.52
Transport weight	kg	30.20
	lb	66.57

\* 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

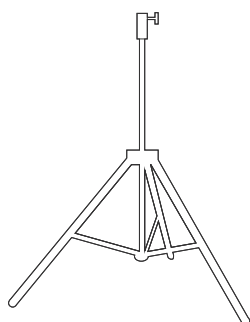
## DIMENSIONAL DRAWING



## CONTROL PANEL



## ACCESSORIES



### MSA 310BK

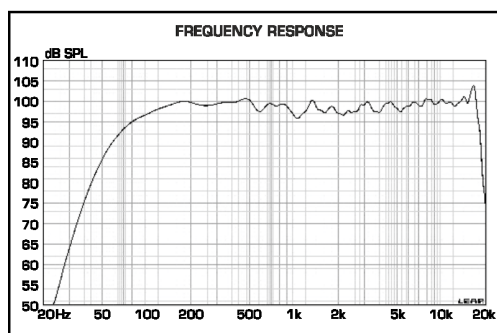
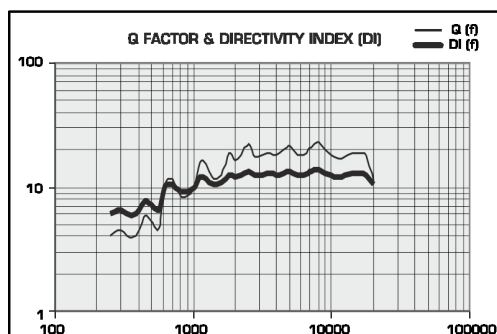
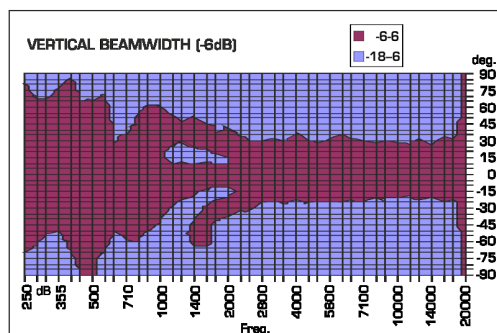
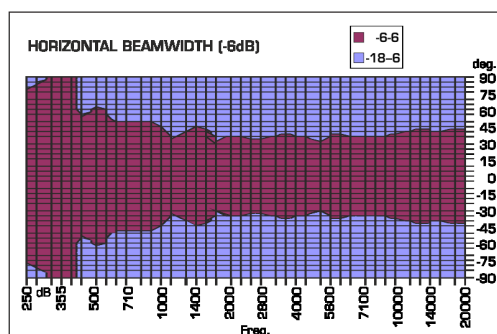
Adjustable aluminum floor stand  
damped safety mechanism  
max. weight 154lb



### MSA 220BK

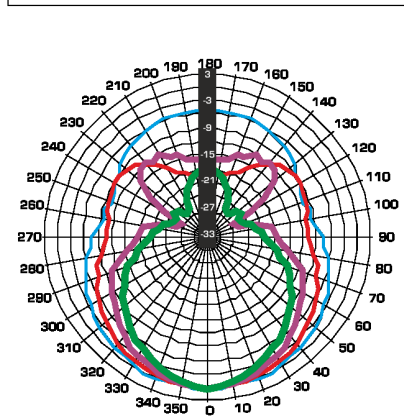
Adjustable for sub-satellite  
speaker connection with safety  
locking device Ø 1.38" M20

## DIAGRAMS



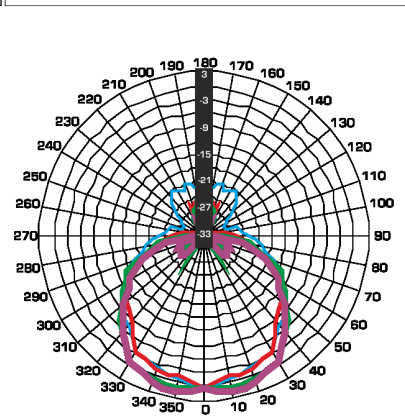
**HORIZONTAL POLAR DIAGRAM**

— 250 — 500 — 1000 — 2000



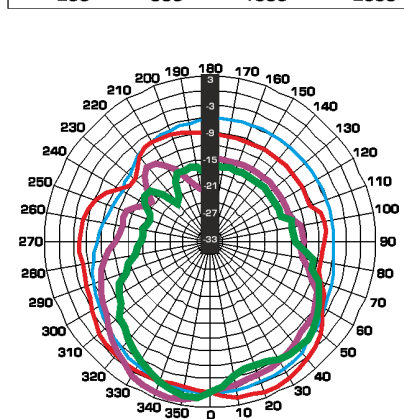
**HORIZONTAL POLAR DIAGRAM**

— 4000 — 8000 — 12500 — 16000



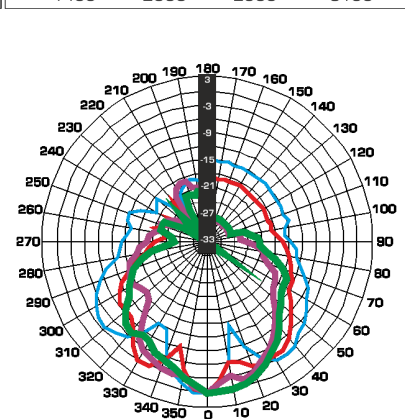
**VERTICAL POLAR DIAGRAM**

— 250 — 500 — 1000 — 2000



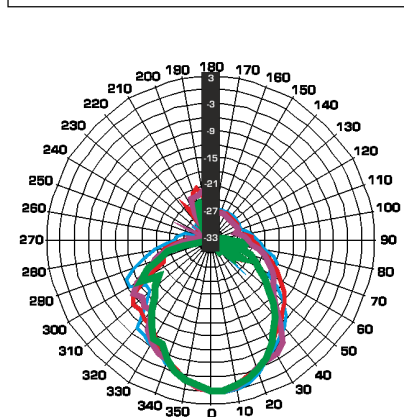
**VERTICAL POLAR DIAGRAM**

— 1400 — 2000 — 2500 — 3150



**VERTICAL POLAR DIAGRAM**

— 4000 — 5000 — 6300 — 8000



**VERTICAL POLAR DIAGRAM**

— 9000 — 10000 — 12500 — 14000

