

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 700W RMS / 8 Ohm
- 12" 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
- SPL capability: 131dB
- 12 x M10 fly points
- Completely manufactured in Italy



DESCRIPTION

The FBT MITUS 112 two-way passive reinforcement speaker system shall incorporate 1 x 12" 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 112 shall meet the following performance criteria: Frequency response of 55Hz to 18kHz, Frequency sensitivity of 99dB, Maximum SPL of 131dB, Recommended power amplifier 700W RMS / 8 Ohm. The FBT MITUS 112 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 112 speaker to be surface mounted on ceilings and a standard 1.38" speaker stand socket allows the FBT MITUS 112 to be mounted on speaker stands.

TECHNICAL SPECIFICATIONS

GENERAL

Code		31859
Configuration	way	2
Low frequency woofer	inch	12 - 3 coil
High frequency driver	inch	1 - 1.7 coil

ACOUSTIC SPECIFICATIONS

Frequency response (@-6dB)	Hz	55 - 18k
Sensitivity (@1W/1m)	dB	99
MAX SPL (cont/peak)*	dB	127 / 131
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 Speakon NL4 in & thru
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AMPLIFIER

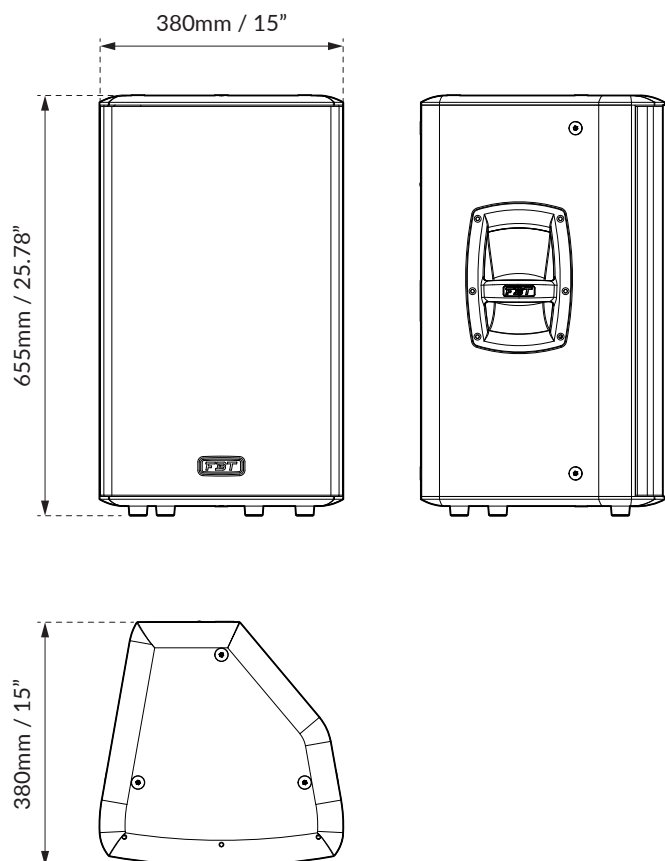
Recommended amplifier	W RMS	700
Long term power (AES)	W	350
Short term power (IEC 268-5)	W	1200
Nominal impedance	Ohm	8

MECHANICAL SPECIFICATIONS

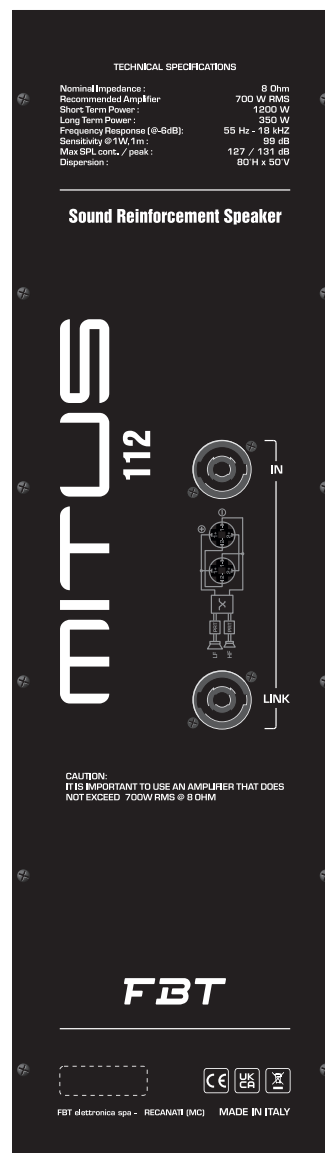
Material		0.59" baltic birch plywood
Net dimensions (WxHxD)	mm	380 x 655 x 380
	inch	15 x 25.78 x 15
Transport dimensions (WxHxD)	mm	500 x 750 x 470
	inch	19.69 x 29.53 x 18.50
Net weight	kg	19.80
	lb	43.65
Transport weight	kg	22
	lb	48.50

* 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

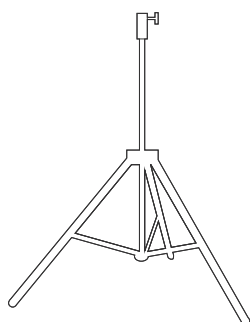
DIMENSIONAL DRAWING



CONTROL PANEL



ACCESSORIES



MSA 310BK

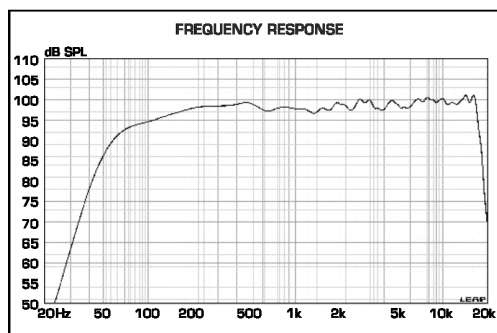
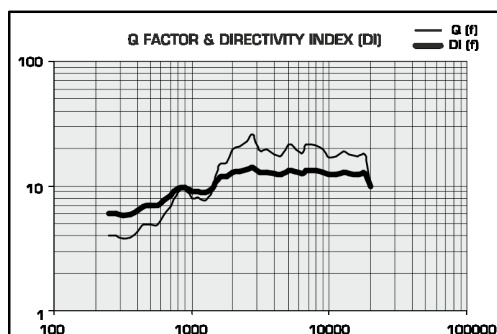
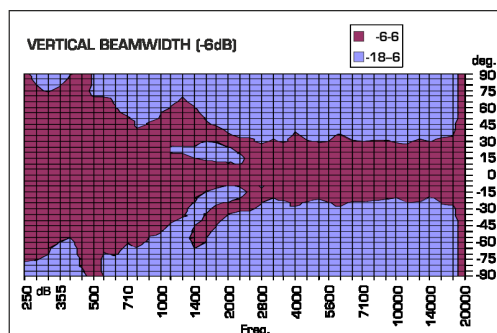
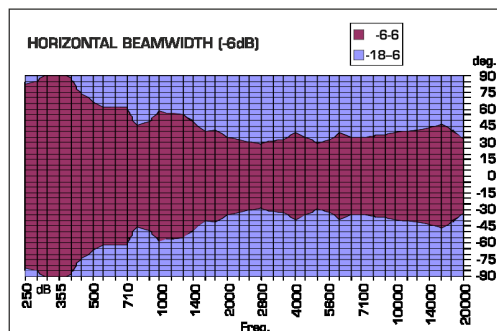
Adjustable aluminum floor stand
damped safety mechanism
max. weight 154lb.



MSA 220BK

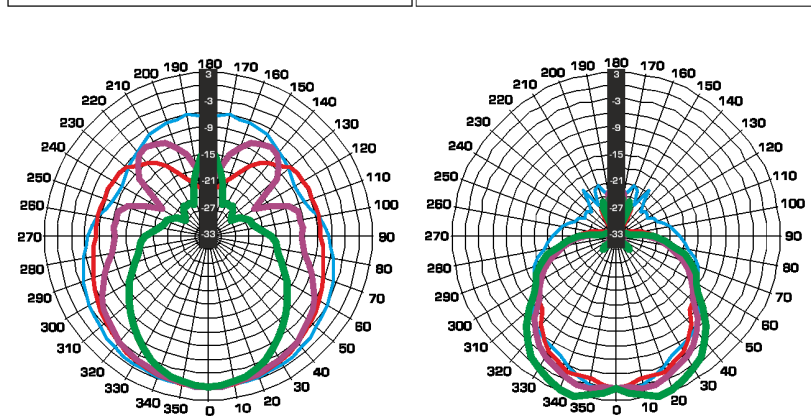
Adjustable for sub-satellite
speaker connection with safety
locking device Ø 1.38" M20

DIAGRAMS



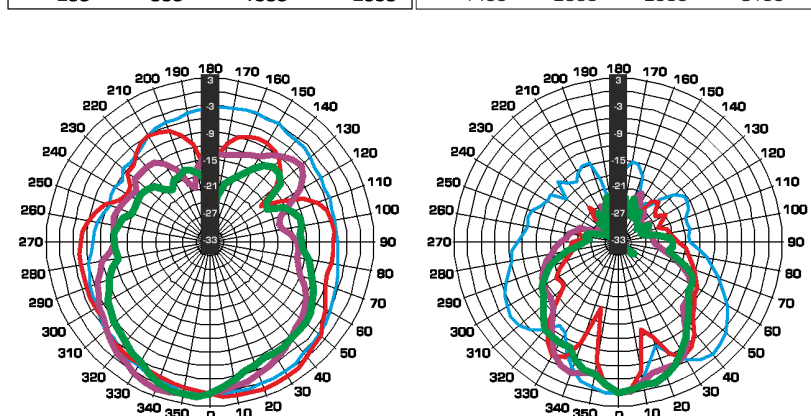
HORIZONTAL POLAR DIAGRAM

— 250 — 500 — 1000 — 2000 — 4000 — 8000 — 12500 — 16000



VERTICAL POLAR DIAGRAM

— 250 — 500 — 1000 — 2000 — 1400 — 2000 — 2500 — 3150



VERTICAL POLAR DIAGRAM

— 4000 — 5000 — 6300 — 8000 — 9000 — 10000 — 12500 — 14000

