

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

MAIN FEATURES

- 15mm / 0.59" baltic birch plywood cabinet
- Class D built-in amplifier 600W RMS LF, 300W RMS HF
- 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 XLR in & link, volume, preset, HP filter, GND lift
- MAX SPL capability: 133dB
- Frequency response 46Hz to 20kHz
- 12 x M10 fly points
- Completely Manufactured in Italy



DESCRIPTION

The FBT MITUS 112A two-way bi-amplified 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 112A shall meet the following performance criteria: Frequency response of 50Hz to 20kHz, Maximum SPL of 133dB, 600W RMS + 300W RMS class D amplifiers. The FBT MITUS 112A provides a DSP with 8 EQ presets. The FBT MITUS 112A 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, HP filter and GND lift. The 12 M10 anchoring points built into the cabinet allow the FBT MITUS 112A speaker to be surface mounted on ceilings and a standard 1.38" speaker stand socket allows the FBT MITUS 112A to be mounted on speaker stands.

TECHNICAL SPECIFICATIONS

GENERAL

Code		31759
Configuration	way	2 - biamplified
Low frequency woofer	inch	12 - 3 coil
High frequency driver	inch	1 - 1.7 coil

ACOUSTIC SPECIFICATIONS

Frequency response (@-6dB)	Hz	50 - 20k
Crossover frequency	Hz	1.5k
MAX SPL (cont/peak)**	dB	126 / 133
Dispersion	H° x V°	80 x 50

INPUTS & OUTPUTS

Input connectors		XLR with loop
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POWER SUPPLY

AC power requirement	VA	640
Power cord	mt	5
	ft	16.4

AMPLIFIER

Built-in amplifiers cont. (LF/HF)*	W RMS	400 / 200
Built-in amplifiers max (LF/HF)*	W RMS	600 / 300
Built-in amplifiers peak (LF/HF)*	W	1200 / 600
Input impedance	Ohm	22k

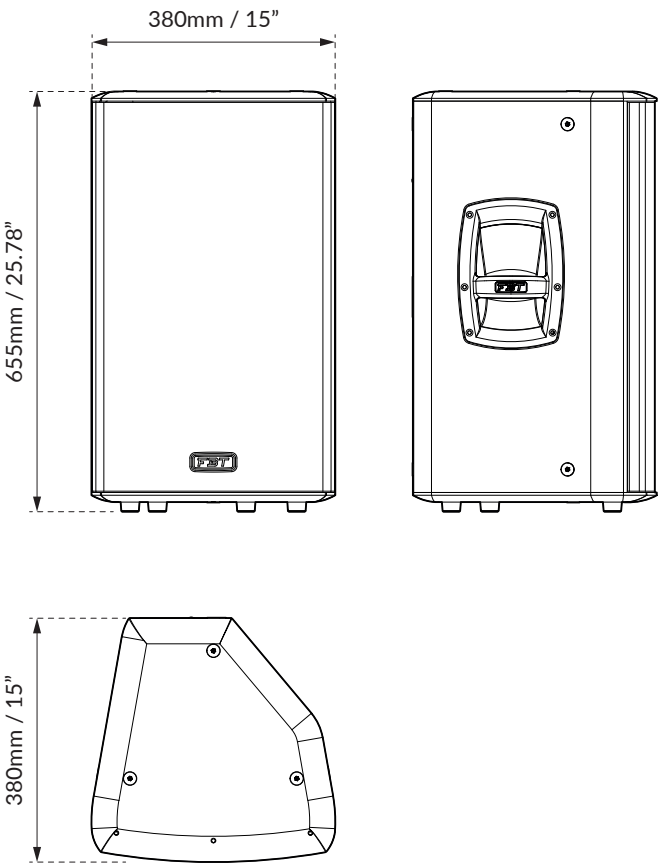
MECHANICAL SPECIFICATIONS

Material		0.59" (15mm) 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	21
	lb	46.29
Transport weight	kg	24
	lb	52.91

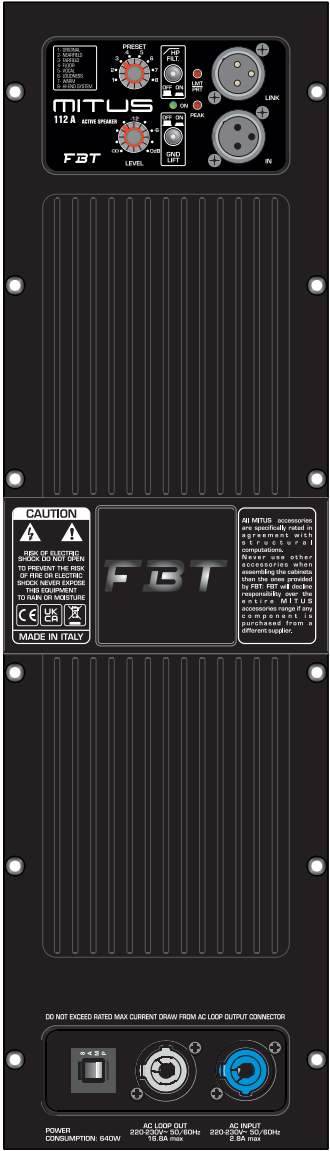
* CONT.: 500mS, RMS power on nominal speaker impedance / MAX.: 2mS burst, RMS power on nominal speaker impedance / MAX PEAK: based on max peak output voltage and nominal speaker impedance

** 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

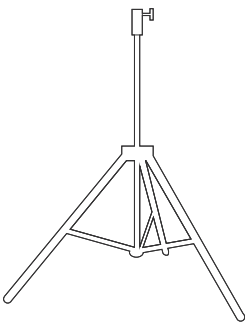
DIMENSIONAL DRAWING



CONTROL PANEL



ACCESSORIES



MSA 310BK

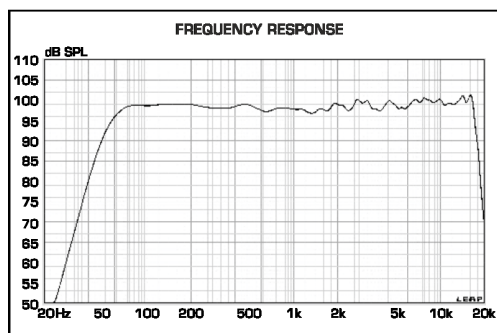
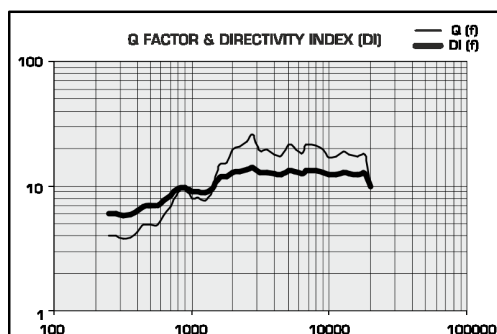
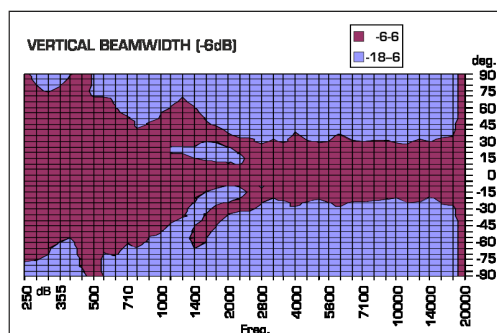
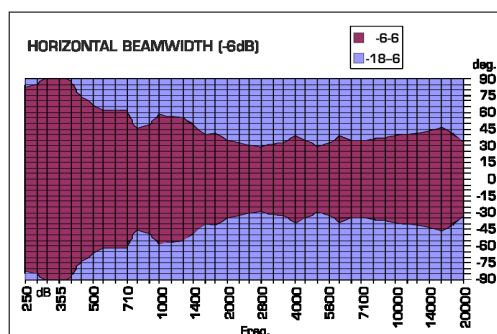
Adjustable aluminum floor stand
damped safety mechanism
max. weight 154lb



MSA 220BK

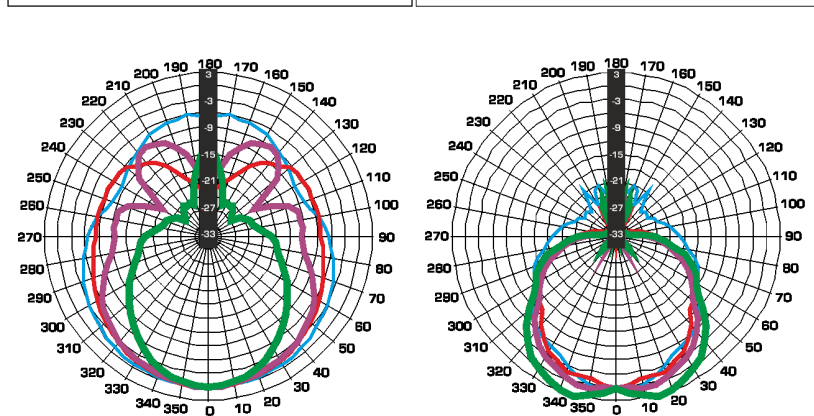
Adjustable for sub-satellite
speaker connection with safety
locking device Ø 1.38" M20

DIAGRAMS



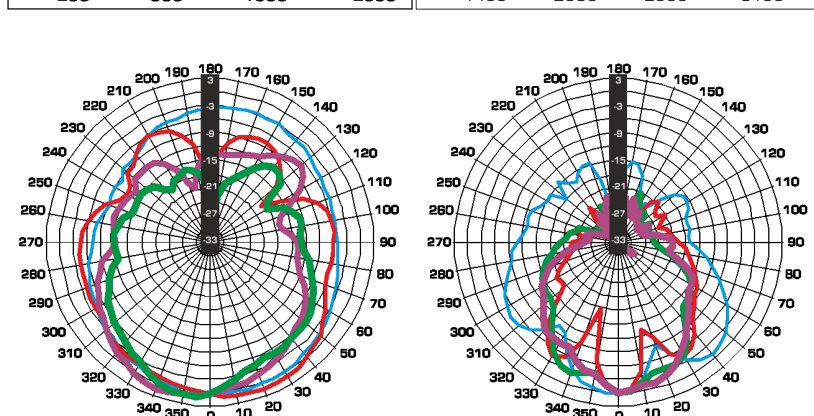
HORIZONTAL POLAR DIAGRAM

— 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

