



MITUS 114A

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

FEATURES

- 15mm / 0.59" baltic birch plywood cabinet
- Class D built-in amplifier 600W RMS LF, 300W RMS HF
- 14" B&C neodymium woofer with 3" voice coil
- 1x1.4" exit B&C neodymium HF driver with 2.5" voice coil
- 70° H x 50° V rotatable horn
- Input panel with XLR in&link, volume, preset, HP filter, GND lift
- SPL capability: 135.5dB
- Frequency response 46Hz to 20kHz
- 12 x M10 fly points
- Completely Manufactured in Italy

PROCESSED ACTIVE SPEAKER



PRODUCT DESCRIPTION

The FBT MITUS 114A two-way bi-amplified speaker system shall incorporate 1 x 14" B&C neodymium woofer with 3" voice coil and 1.4" exit B&C neodymium driver with 2.5" voice coil coupled to a rotatable 70° x 50° horn; thanks to the rotatable HF horn it is possible to create horizontal arrays of 2 enclosures for a total coverage of 120°. The FBT MITUS 114A shall meet the following performance criteria: Frequency response of 46Hz to 20kHz, Maximum SPL of 135.5dB, 600W RMS + 300W RMS class D amplifiers. The FBT MITUS 114A provides a DSP with 8 EQ presets. The FBT MITUS 114A 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 114A speaker to be surface mounted on ceilings and a standard 1.38" speaker stand socket allows the FBT MITUS 114A to be mounted on speaker stands.

ELECTRICAL PERFORMANCE

System Type	2-way - bi-amplified
Built-in Amplifiers LF / HF *	cont.: 400W RMS / 200W RMS max.: 600W RMS / 300W RMS peak.: 1200W / 600W
Frequency Response @ -6dB	46Hz - 20kHz
Input Impedance	22kOhm
Maximum SPL (cont. / peak) **	127.5dB / 135.5dB
Dispersion	70° H x 50° V
Crossover Frequency	1.4 kHz
AC Power requirement	640 VA

PHYSICAL

Low Frequency Woofer	1 x 14" - 3" coil
High Frequency Driver	1 x 1.4" - 2.5" coil
Input Connectors	XLR with loop
Net Dimensions (WxHxD)	15" x 27.7" x 15"
Shipping Dimensions (WxHxD)	380 x 705 x 380mm 18.1" x 30.3" x 17.9"
Net Weight	480 x 770 x 455mm 54.8 lbs / 24.9 kg
Shipping Weight	59.3 lbs / 26.9 kg
Enclosure Material	birch plywood
Power cord	16.4ft./5 mt.

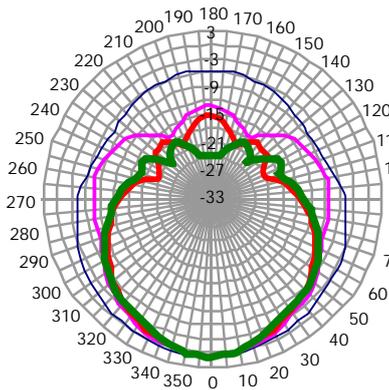
* CONT.: 500mS, rms power on nominal speaker impedance
MAX.: 2mS burst, rms power on nominal speaker impedance
MAX PEAK: based on max peak output voltage and nominal speaker impedance

** 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

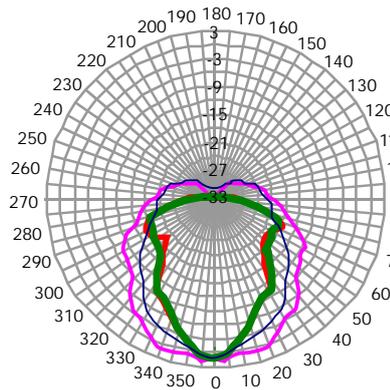
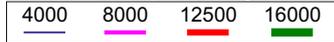


DIAGRAMS

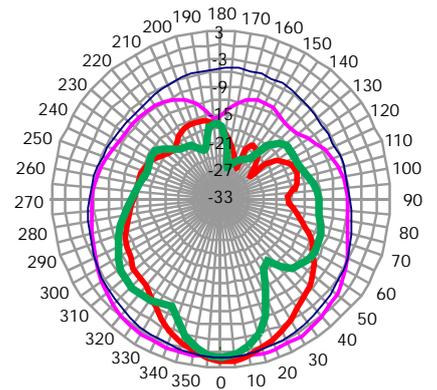
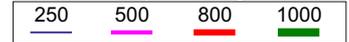
Horizontal polar diagrams



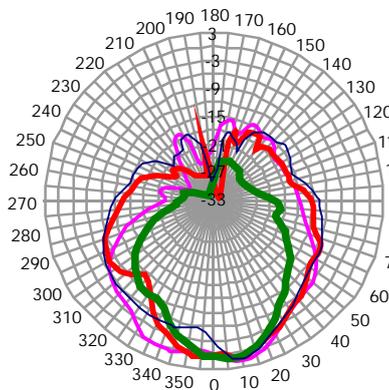
Horizontal polar diagrams



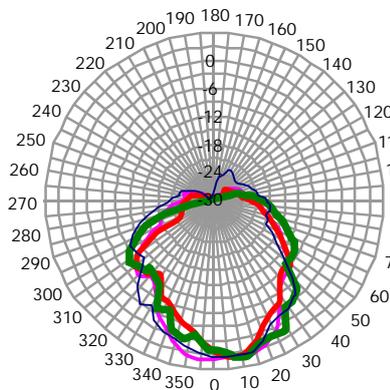
Vertical polar diagrams



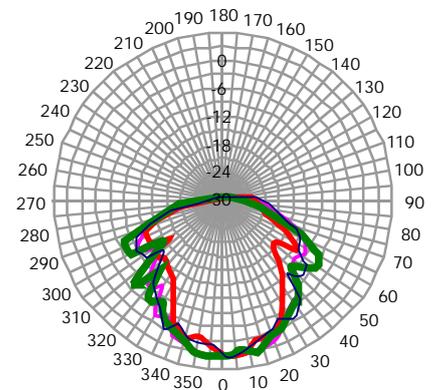
Vertical polar diagrams



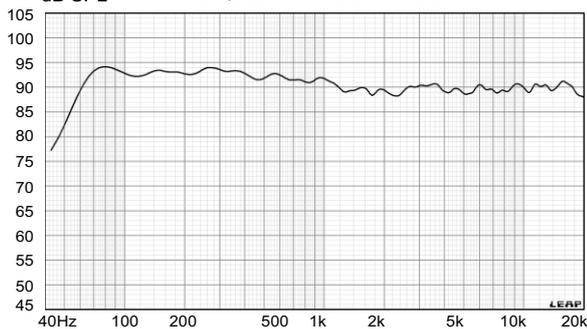
Vertical polar diagrams



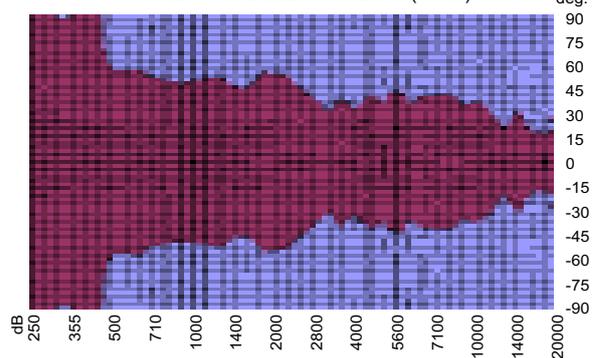
Vertical polar diagrams



FREQUENCY RESPONSE



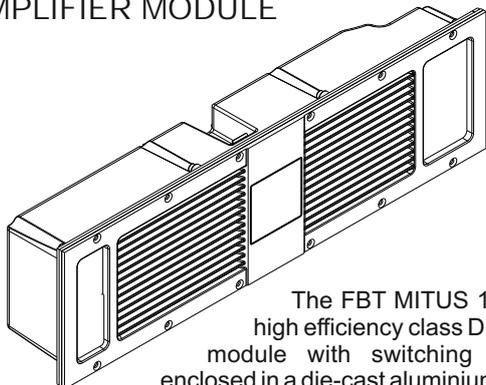
HORIZONTAL BEAMWIDTH (-6dB)





MITUS 114A

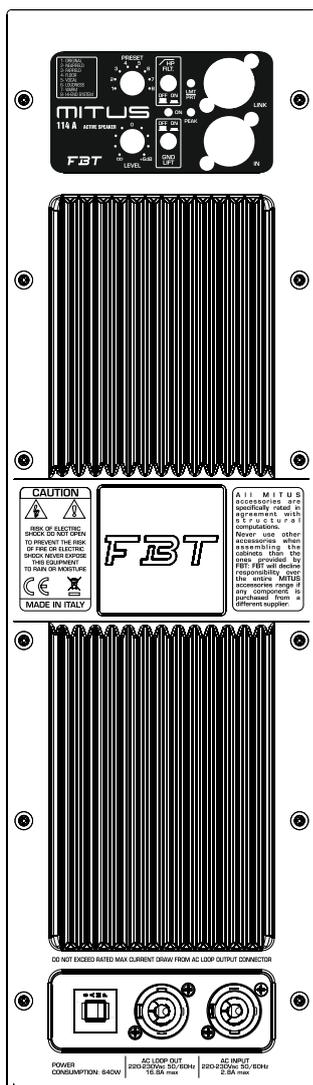
AMPLIFIER MODULE



The FBT MITUS 114A provides a high efficiency class D power amplifier module with switching power supply enclosed in a die-cast aluminium chassis.

This provides maximum protection of the electronics from dust or dirt, prevents air loss through the input control panel that can cause fastidious noise, and it maximizes heat dissipation avoiding the use of a fan to cool the circuitry.

CONNECTION PANEL



CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN TO PREVENT THE RISK OF FIRE OR ELECTRIC SHOCK NEVER EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

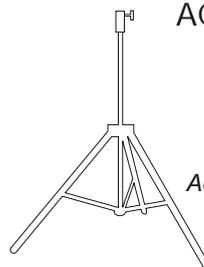


All MITUS accessories are specifically noted in the manual. Do not use other accessories when assembling the unit. The user is responsible for the correct use of the product. FBT will accept no responsibility for any component is not included from a different supplier.

DO NOT EXCEED RATED MAX CURRENT DRAW FROM AC LOOP OUTPUT CONNECTOR

POWER CONSUMPTION: 640W
AC LOOP-OUT: 200V/230V/240V/250V/260V/270V/280V/290V/300V
AC INPUT: 200V/230V/240V/250V/260V/270V/280V/290V/300V

ACCESSORIES



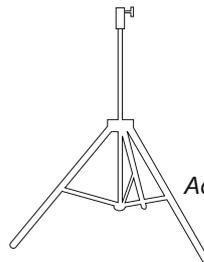
KMS 325

Adjustable aluminum floor stand
Ø 1.38" with Ø 1" adapter
max. weight 88lb.



FMS 220

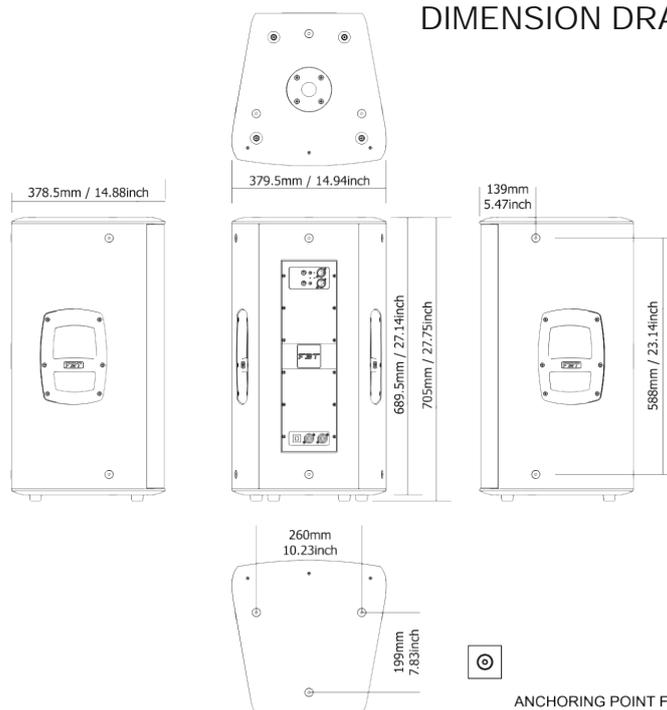
Adjustable for sub-satellite
speaker connection with
safety locking device Ø 1.38" M20



KMS 300

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

DIMENSION DRAWING



378.5mm / 14.88inch

379.5mm / 14.94inch

139mm
5.47inch

689.5mm / 27.14inch
705mm / 27.75inch

588mm / 23.14inch

260mm
10.23inch

199mm
7.83inch

ANCHORING POINT FOR ONLY ONE
SPEAKER SUSPENDED



MITUS
118SA

APPLICATIONS

- Permanent installations in:
Theatres, Concert Halls, Clubs, Places of Worship,
Conference Rooms, Indoor Sports, Arenas & Stadiums
- Sound reinforcement for live events:
Touring, Bands, Orchestras

FEATURES

- 18mm / 0.70" birch plywood enclosure
- 1200W RMS class D amplifier
- 460mm/18" custom B&C neodymium magnet with
75mm/3" coil
- Frequency response 36Hz - 100Hz
- Input panel with XLR in & link, volume, preset, delay,
phase, GND lift
- SPL capability 139dB
- 4 swivel mount casters 3.15" on request
- 8 M10 fly points
- Completely Manufactured in Italy

PROCESSED ACTIVE SUBWOOFER



PRODUCT DESCRIPTION

The FBT MITUS 118SA, 18" compact vented band-pass subwoofer is the perfect low-frequency extension for the MITUS range and the ideal companion for the FBT MITUS 206LA line array for ground stack applications with optional metal base. The FBT MITUS118SA shall meet the following performance criteria: Frequency response of 36Hz to 100Hz, Maximum SPL of 139dB peak, Class D amplifier 1200W RMS. The FBT MITUS 118SA provides a DSP with 8 presets-cardioid and infra configurations. The FBT MITUS 118SA feature 0.70" Baltic birch plywood construction covered in a scratch resistant black paint with eight M10 fly points, M20 top-mounted stand adapter and two FBT design aluminium handles. The control panel provides XLR in & link, volume control, preset, delay, phase 0° - 180°, GND lift.

ELECTRICAL PERFORMANCE

System Type:	vented band pass
Built-in Amplifier*	cont: 800W RMS max: 1200W RMS peak: 2400W RMS
Frequency Response @ -6dB	36Hz - 100Hz
Input Impedance	22k Ohm
Maximum SPL (continuous/peak) **	135dB / 139dB
Dispersion	omnidirectional
Crossover Frequency	preset dependant
AC Power Requirement	640 VA

PHYSICAL

Low Frequency Woofer	1 x 18" - 3" coil
Input Connectors	XLR with loop
Net Dimensions (WxHxD)	22.6" x 23.4" x 28.7" 574 x 594 x 730mm
Shipping Dimensions (WxHxD)	30.7" x 29.92" x 25.19" 640 x 760 x 780mm
Net Weight	103.6 lbs / 47 kg
Shipping Weight	123.9 lbs x 56.2 kg
Enclosure Material	birch plywood

* 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: half space, based on continuous power amp rating and LF transducer average sensitivity data, 125mS time average
PEAK SPL: half space, based on max peak power amp rating and system peak sensitivity, 10mS time average

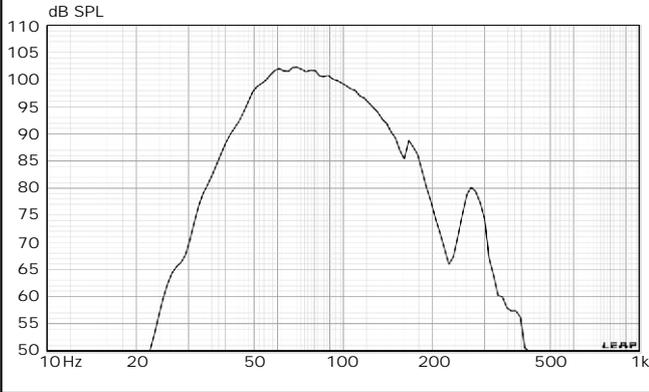


MITUS

118SA

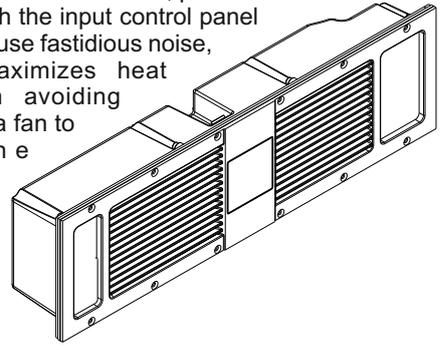
DIAGRAMS

FREQUENCY RESPONSE

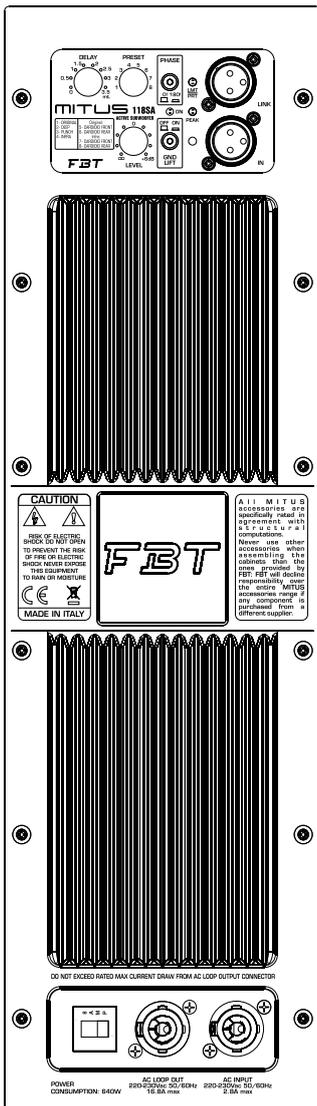


AMPLIFIER MODULE

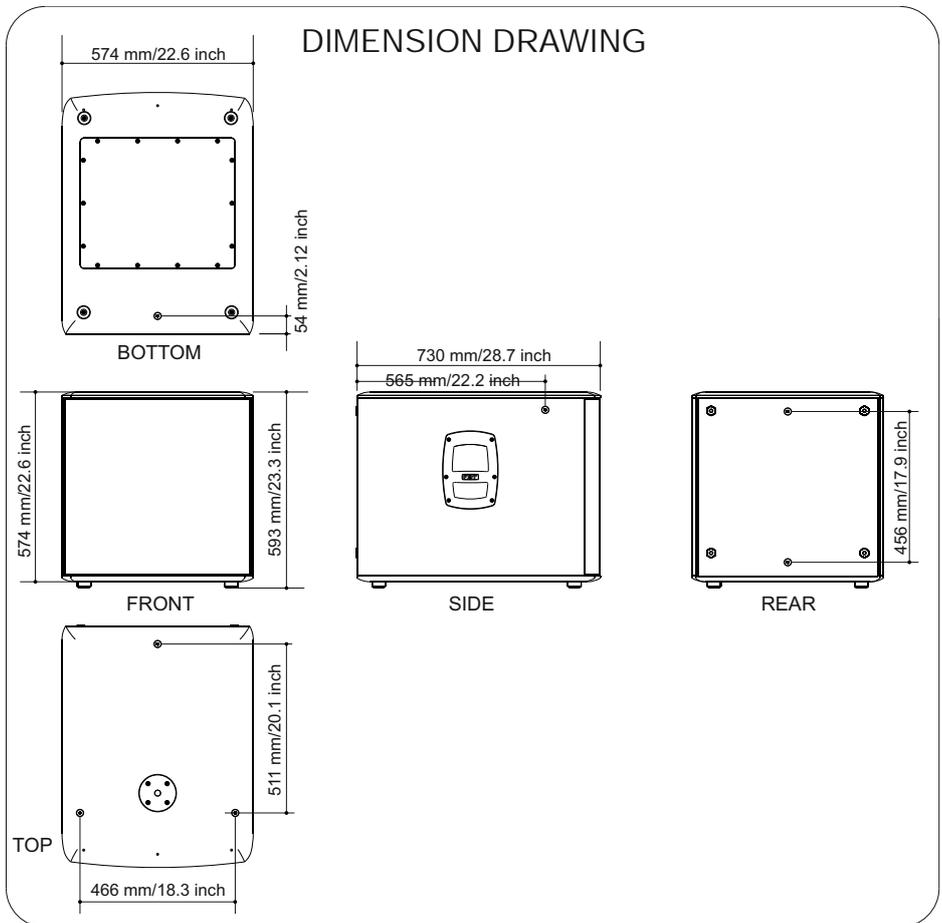
The FBT MITUS 118SA provides a high efficiency class D power amplifier module with switching power supply enclosed in a die-cast aluminium chassis. This provides maximum protection of the electronics from dust or dirt, prevents air loss through the input control panel that can cause fastidious noise, and it maximizes heat dissipation avoiding the use of a fan to cool the circuitry.



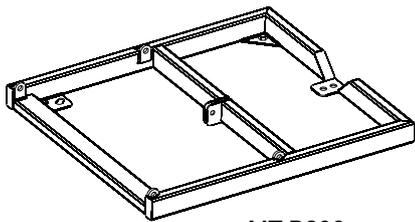
CONNECTION PANEL



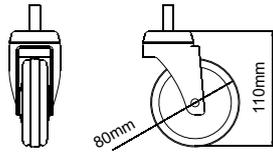
DIMENSION DRAWING



ACCESSORIES



MT B206
*Metal base to ground
MITUS 206LA array or stack
on MITUS 118SA*



*Swivel wheel for easy
transport when the metal base
lays on the ground*

BOX 62BK
*Adjustable, for sub-satellite
speaker connection with
safety locking device
Ø35mm / 1.38"*



OPTIONAL WHEELS

