

Processed Flyable Active Subwoofer

MAIN 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

MAIN FEATURES

- 15mm / 0.59" birch plywood enclosure
- Class D amplifier delivering 1200W RMS
- 320mm/2x12" B&C neodymium magnet with 75mm/3" coil
- Frequency response 45Hz - 120Hz
- DSP on board with 8 presets
- Input panel with XLR «in&link», volume preset, delay, phase, GND lift switch
- SPL capability 138dB
- Wide range of hardware accessories for flying and ground stacked configurations
- Completely Manufactured in Italy



DESCRIPTION

The FBT MITUS 212FSA powered subwoofer meet the following performance criteria: frequency response of 45Hz to 120Hz, peak output of 138dB half-space. The FBT MITUS 212FSA is a vented band-pass design incorporating 2x12" B&C neodymium magnet high excursion woofers with 3" voice coil. The modularity of the FBT MITUS 212FSA makes it extremely flexible for a wide range of applications, from a small system to an elaborate line array system consisting of up to 12 MITUS 206LA cabinets along with multiple FBT MITUS 212FSA subs for large concert events. The FBT MITUS 212FSA provides a DSP with 8 presets cardioid and infra configurations, delay. The control panel provides XLR «in&link», volume, preset, delay, phase 0°-180°, ground lift switch. The MITUS 212FSA feature Baltic birch plywood construction covered in a scratch resistant black paint with a M20 top-mounted stand adapter.

TECHNICAL SPECIFICATIONS

GENERAL

Configuration		Vented band pass
Low frequency woofer	inch	2 x 12 - 3 coil

ACOUSTIC SPEC.

Frequency response	(@ -6dB)	45Hz - 120Hz
SPL max. (cont / peak)**	dB	134 / 138
Dispersion		Omnidirectional
Crossover Frequency		Preset dependant

POWER SUPPLY

AC Power requirement	VA	640
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INPUTS / OUTPUTS

Connectors		XLR with loop
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AMPLIFIER

Built-in amplifier* cont/max	W RMS	800 / 1200
Built-in amplifier* peak	W	2400
Input impedance	kOhm	22

MECHANICAL SPEC.

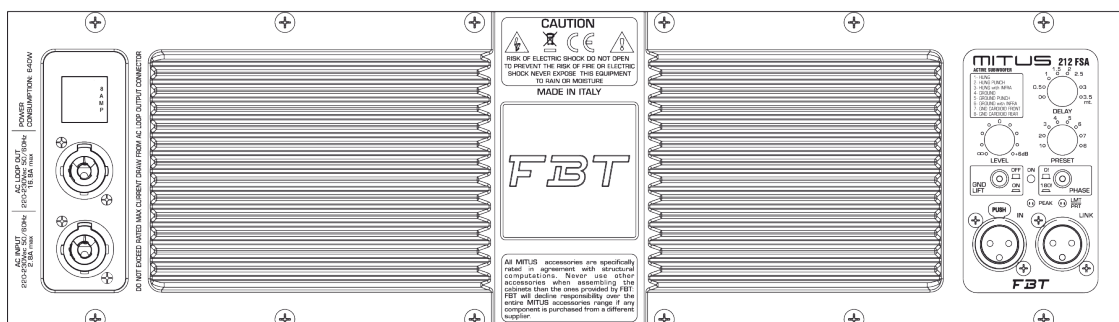
Material		Birch plywood
Net size (WxHxD)	mm inch	574 x 420 x 660 22.6 x 16.5 x 26
Net weight	kg Lbs	36.5 80.5

*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

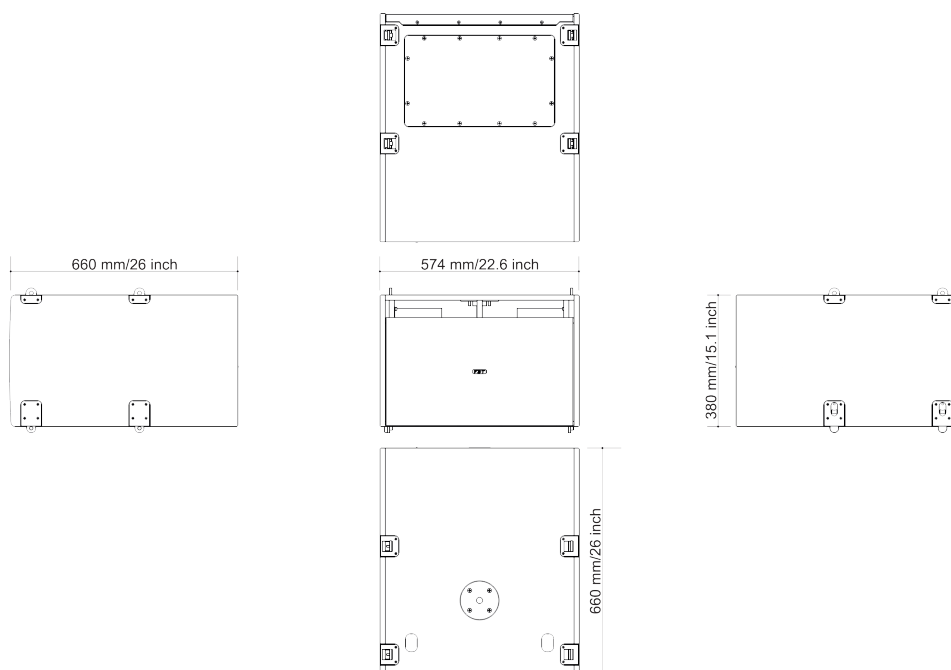
**CONT. SPL: half space, based on continuous power amp rating and LF transducer average sensitivity data, 125mS time average

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

CONNECTION PANEL

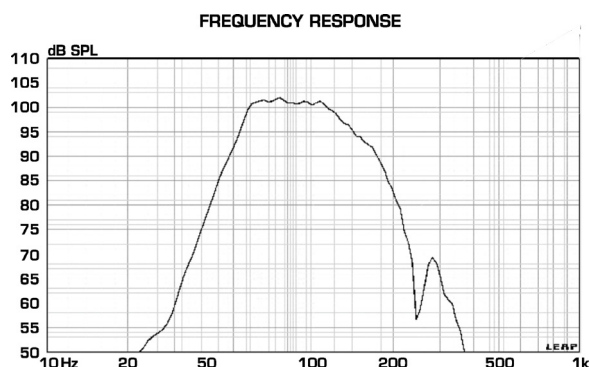


DIMENSION DRAWING

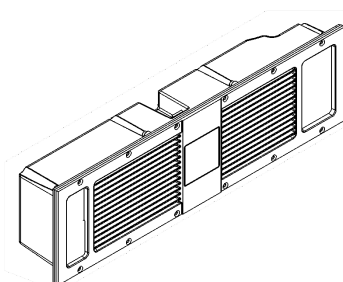


DIAGRAMS

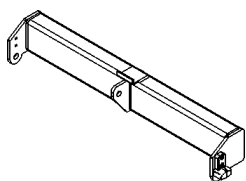
AMPLIFIER MODULE



The FBT MITUS 212FSA 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.

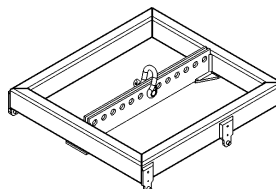


ACCESSORIES



MT-J206

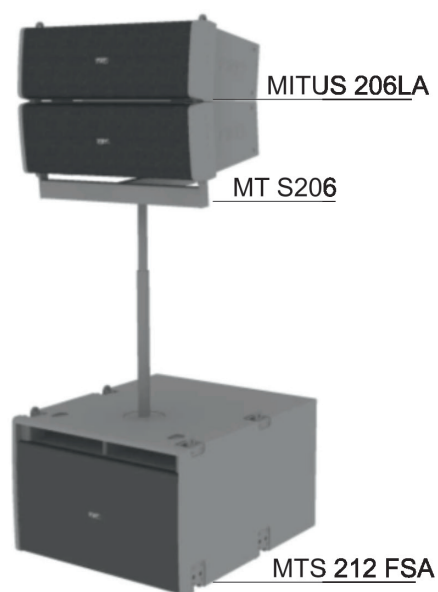
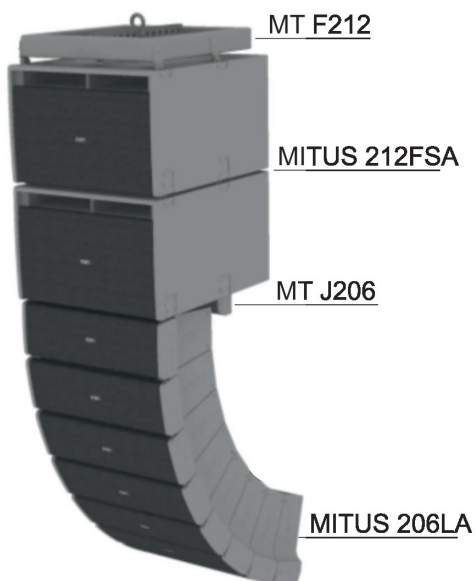
Joint bar MITUS 212FSA
with 206LA



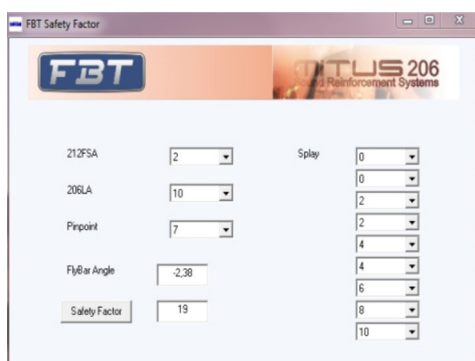
MT-F212

Flying bar MITUS 212FS

RECOMMENDED CONFIGURATION



EASE FOCUS



FBT will place at disposal a software called MITUS 206L_FLYING wich helps calculating the safety factor of the weakest point of MITUS 206LA - MITUS 212FSA unit suspension system according to the used configuration and a software called EASE FOCUS that permits an accurate simulation of the mechanical and acoustic behaviour of the MITUS series line array system.

