



**MITUS**  
206LA

## 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

- High impact polypropylene gas-injected enclosure
- Class D amplifiers, 600W RMS to the LF, 300W RMS to the HF
- 2 x 6.5" B&C neodymium woofers with 1.7" coil
- 1.4" exit B&C neodymium driver with 2.5" coil
- DSP on board with 8 preset
- 100° horizontal waveguide
- Input panel with XLR «in&link», volume, preset, HF level, HP filter, GND lift switch
- High SPL capability: 134dB
- Integrated rigging hardware
- Very lightweight: 14kg
- Completely Manufactured in Italy

## ACTIVE PRECISION COVERAGE VERTICAL ARRAY



## PRODUCT DESCRIPTION

The FBT MITUS 206LA speaker features lightweight, yet rugged gas injected molded polypropylene cabinet construction. The FBT MITUS 206LA is a two-way design incorporating 2 x 6.5" B&C neodymium woofers with 1.7" voice coil and 1.4" exit B&C neodymium driver with 2.5" voice coil. The modularity of the FBT MITUS 206LA makes it extremely flexible for a wide range of applications, from a small 2 cabinet P.A. 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 206LA shall meet the following performance criteria: Frequency response of 68Hz to 20kHz, Maximum SPL of 134dB, class D amplifier module that provides 600W RMS to the LF and 300W RMS to the HF. The waveguide, optimized by BEM finite element simulation, offers 100° horizontal dispersion; engineered to be perfectly integrated with the HF compression driver it allows the dispersion of a flat acoustic wave to over 18kHz. The MITUS 206LA cabinets coupling hardware is internally integrated and allows the suspension of 12 arrays with a 10:1 safety factor. The front shall be protected by a heavy duty metal grille with anti-resonance spacers and exclusive synthetic cloth to protect the drivers. The FBT MITUS 206LA provides a wide range of hardware accessories for flying and ground stacked configurations.

## ELECTRICAL PERFORMANCE

|                                 |  |
|---------------------------------|--|
| System Type                     | 2-way  |
| Built-in Amplifiers LF / HF *   | cont.: 400W RMS / 200W RMS<br>max.: 600W RMS / 300W RMS<br>peak.: 1200W / 600W |
| Frequency Response @ -6dB       | 68Hz - 20kHz   |
| Input Impedance                 | 22kOhm   |
| Maximum SPL ( cont. / peak ) ** | 125dB / 134dB  |
| Dispersion                      | 100° x 10° max dependant upon n° of elements                                   |
| Crossover Frequency             | 1.2 kHz  |
| AC Power requirement            | 640 VA   |

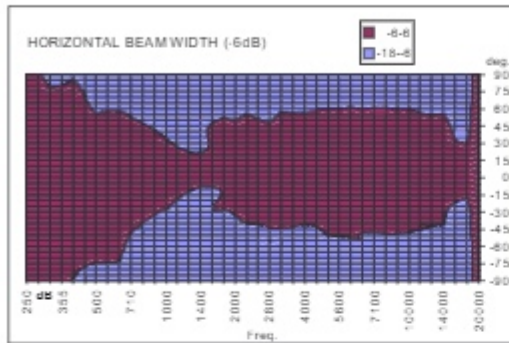
## PHYSICAL

|                             |   |
|-----------------------------|---|
| Low Frequency Woofer        | 2 x 6.5" - 1.7" coil                          |
| High Frequency Driver       | 1 x 1.4" - 2.5" coil                          |
| Input Connectors            | XLR with loop                                 |
| Net Dimensions (WxHxD)      | 22.6" x 8.7" x 15.1"<br>574 x 220 x 383mm     |
| Shipping Dimensions (WxHxD) | 25.98" x 11.02" x 18.11"<br>660 x 280 x 460mm |
| Net Weight                  | 30.8 lbs / 14 kg                              |
| Shipping Weight             | 34.6 lbs / 15.7 kg                            |
| Enclosure Material          | polypropylene                                 |
| Power cord                  | 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

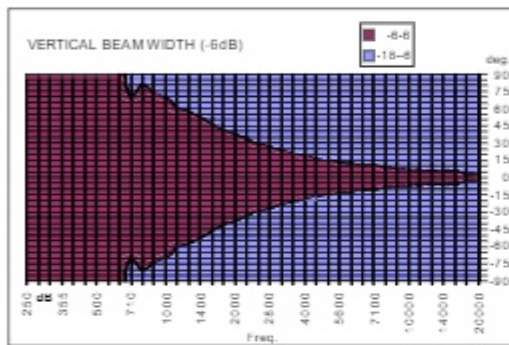
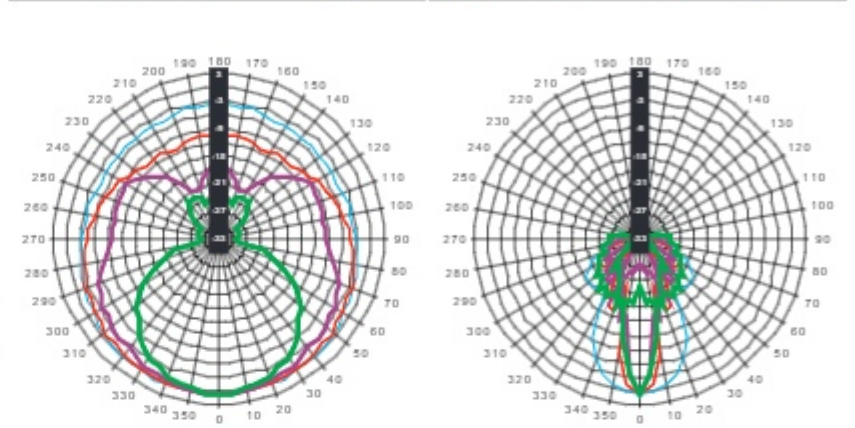
\*\* CONT. SPL: free space, based on continuous power amp rating and LF transducer average sensitivity data, 125mS time average  
PEAK SPL: free space, based on max peak power amp rating and system peak sensitivity, 10mS time average

## DIAGRAMS



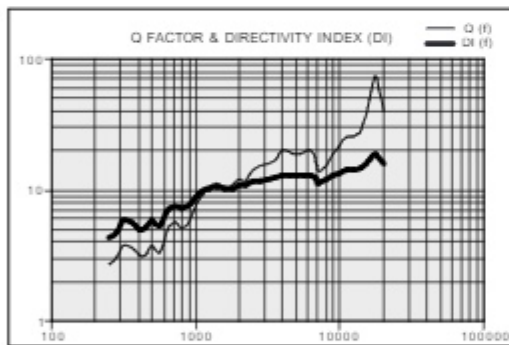
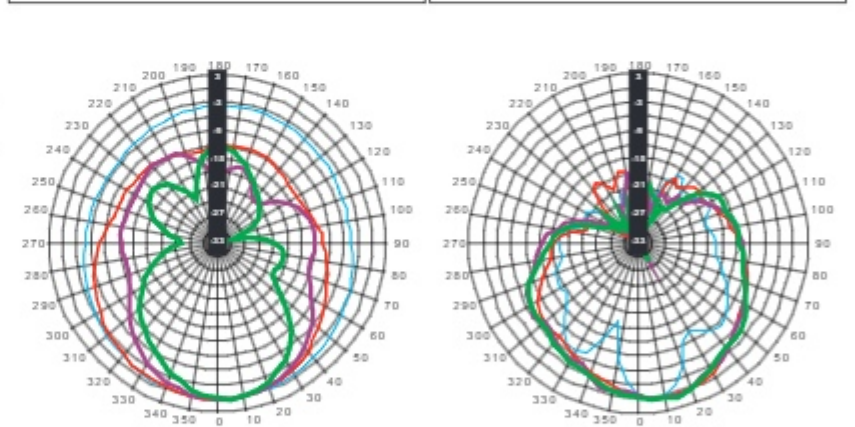
VERTICAL POLAR DIAGRAM

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



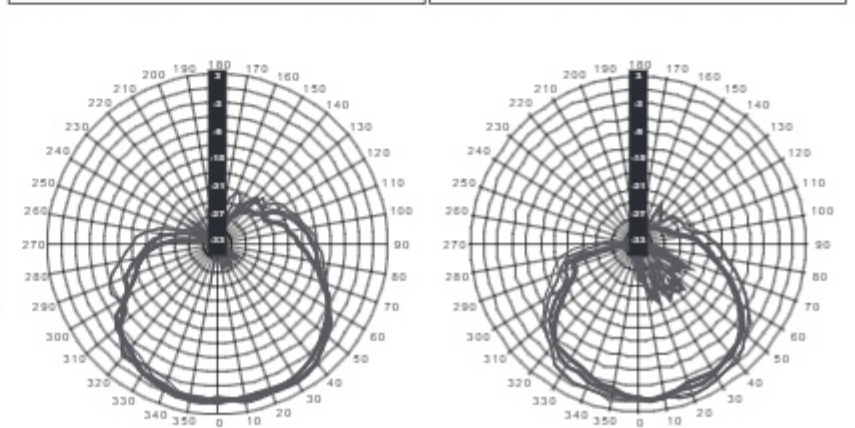
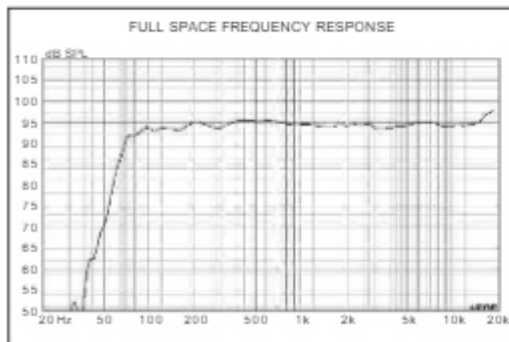
HORIZONTAL POLAR DIAGRAM

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

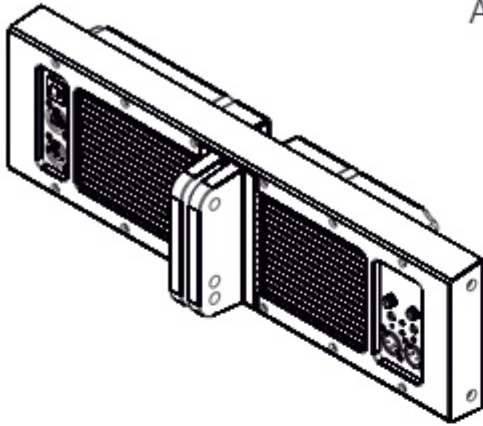


HORIZONTAL POLAR DIAGRAM

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



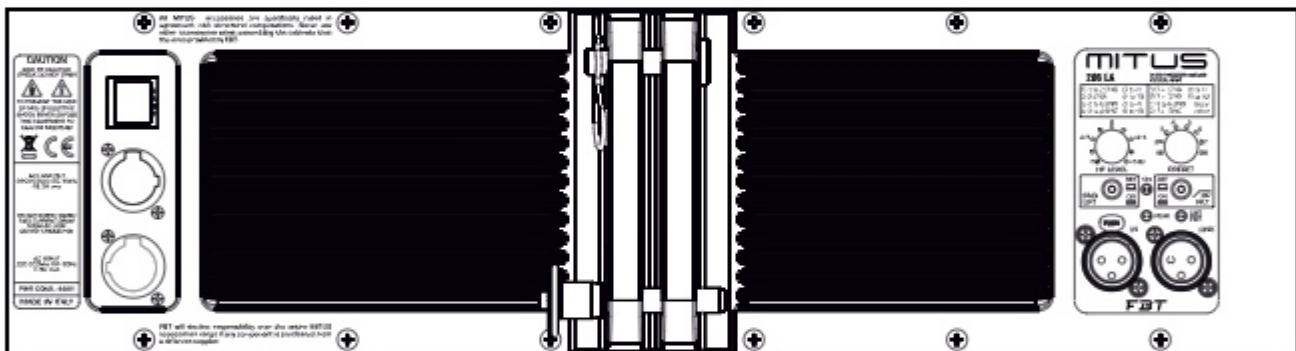
## AMPLIFIER MODULE



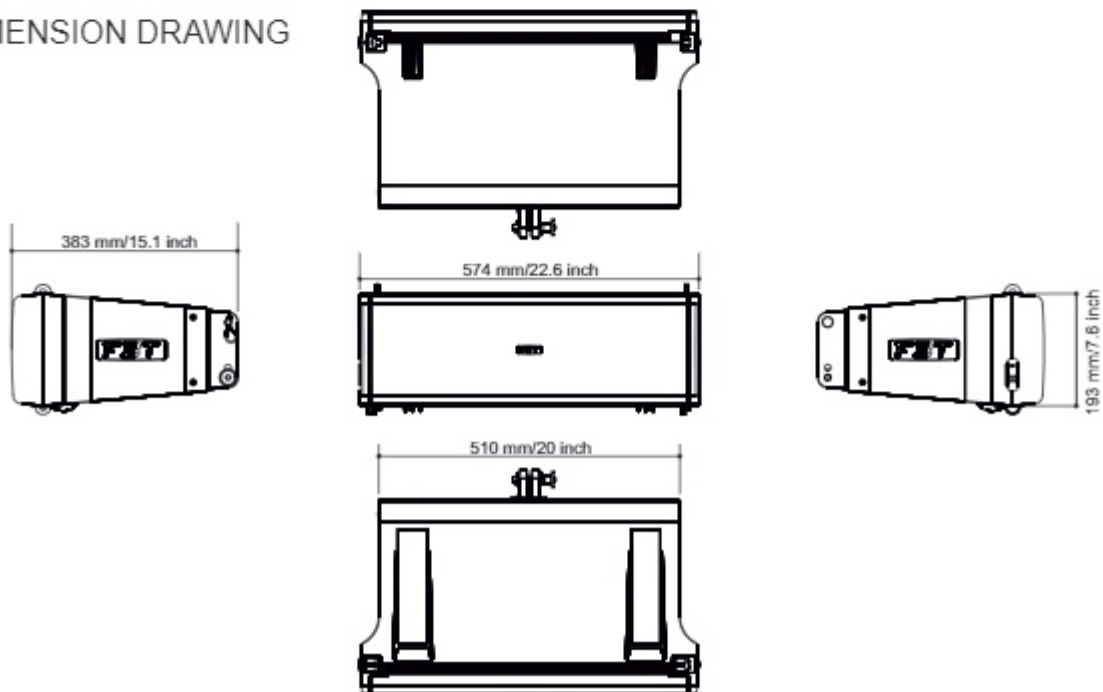
The FBT MITUS 206LA provides a high-efficiency Class D power amplifier module with switching power supply enclosed in a die-cast aluminium chassis.

This permits to protect the electronics against dust, avoid any air loss through the controls – which would cause annoying noises- and maximize heat loss by using the woofer ventilation instead of a cooling fan. The module works also as a bearing structure for flying the units and permits adjusting the inclination angle.

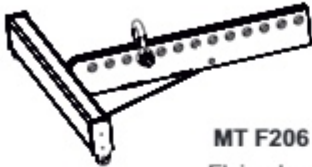
## CONNECTION PANEL



## DIMENSION DRAWING



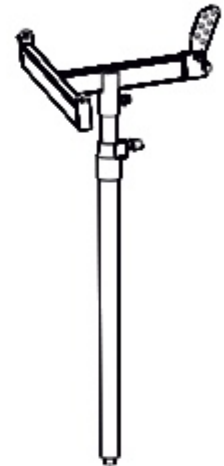
## ACCESSORIES



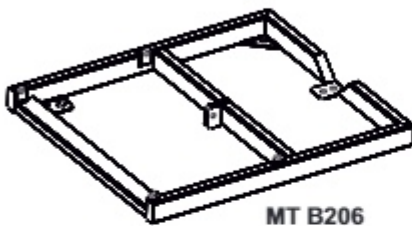
**MT F206**  
Flying bar  
MITUS 206LA



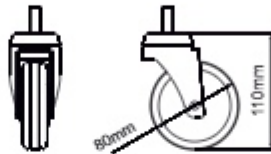
**MT J206**  
Joint bar  
MITUS 212FSA  
with 206LA



**MT S206**  
Cluster bracket with speaker pole  
for 2 x MITUS 206LA

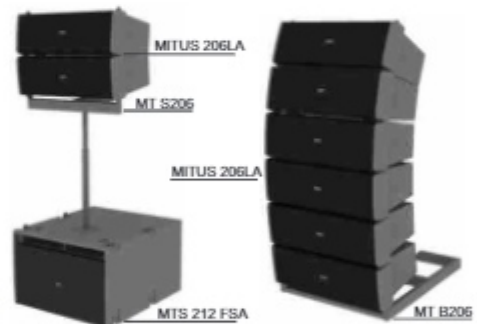
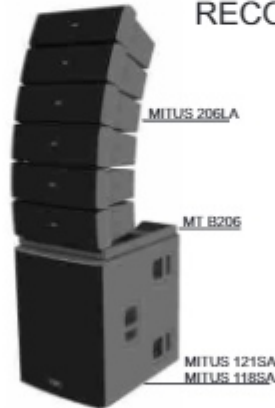
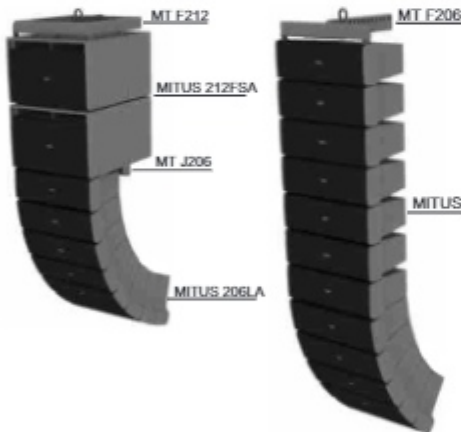


**MT B206**  
Metal base to ground  
MITUS 206LA array or stack  
on MITUS 118SA or MITUS 121SA



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

## RECOMMENDED CONFIGURATIONS



## MITUS 206L\_FLYING



FBT will place at disposal a software called MITUS 206L\_FLYING which 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.

## EASE FOCUS

