**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

**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
  - max.: 600W RMS / 300W RMS
  - 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”
  - 574 x 220 x 383mm
- **Shipping Dimensions (WxHxD)**
  - 25.98” x 11.02” x 18.11”
  - 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.

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* 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 DIAGRAM**

**VERTICAL POLAR DIAGRAM**

**Q FACTOR & DIRECTIVITY INDEX (DI)**

**FULL SPACE FREQUENCY RESPONSE**
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.
ACCESSORIES

MT F206
Flying bar
MITUS 206LA

MT J206
Joint bar
MITUS 212FSA
with 206LA

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

MT S206
Swivel wheel for easy
transport when the metal base
lays on the ground

Metal base to ground

MITUS 206LA array or stack
on MITUS 118SA or MITUS 121SA

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

RECOMMENDED CONFIGURATIONS

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.