

## Precision Coverage Vertical Array

### 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

- High impact polypropylene gas-injected enclosure
- Recommended amplifier 500W RMS/16 Ohm LF and 150W RMS/16 Ohm HF
- 2 x 6.5" B&C neodymium woofers with 1.7" coil
- 1.4" exit B&C neodymium driver with 2.5" coil
- 100° horizontal waveguide
- Input panel with 2 x Neutrik speakon NL-4MDV in & link
- SPL capability: 129dB LF / 133dB HF
- Wide range of hardware accessories for flying and ground stacked configurations
- Completely Manufactured in Italy



### DESCRIPTION

The FBT MITUS 206L two-way compact line array system shall incorporate 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 206L 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 206L cabinets along with multiple FBT MITUS 212FS subs for large concert events. The FBT MITUS 206L shall meet the following performance criteria: Frequency response of 75Hz to 20kHz, Frequency sensitivity of 97dB LF / 108dB HF, Maximum SPL of 129dB for LF and 133dB for HF, Recommended power amplifier 500W RMS/16 Ohm LF and 150W RMS/16 Ohm 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 system shall not include an internal passive crossover. The front shall be protected by a heavy duty metal grille with anti-resonance spacers and exclusive synthetic cloth to protect the drivers. Input connectors shall be parallel wired Neutrik NL4 speakon. Polypropylene gas-injected enclosure with integrated rigging hardware adjustable with 0° to 10° angle between cabinets at 2° step for flying and ground stacked configurations.

### TECHNICAL SPECIFICATIONS

#### GENERAL

Configuration	way	2
Low frequency woofer	inch	2 x 6.5 - 1.7 coil
High frequency woofer	inch	1 x 1.4 - 2.5 coil

#### ACOUSTIC SPEC.

Frequency response	(@ -6dB)	75Hz - 20kHz
SPL max. (cont / peak)*	dB	Cont. 125 / 129 Peak 129 / 133
Dispersion	H x V	100° x 10° max Dependant upon n° of elements
Crossover Frequency	kHz	1.2
Sensitivity	(@1W,1m)	97 LF / 108 HF
Recommended HP filter	Hz - dB	65 - 24 oct.

#### INPUTS / OUTPUTS

Connectors		2 x Speakon NL4 in & thru
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#### AMPLIFIER

Recommended amplifier	W	500 LF / 150 HF
Long term power (AES)	W	250 LF / 70 HF
Short term power (IEC 268-5)	W	1000 LF / 300 HF
Nominal impedance	Ohm	16 LF / 16 HF

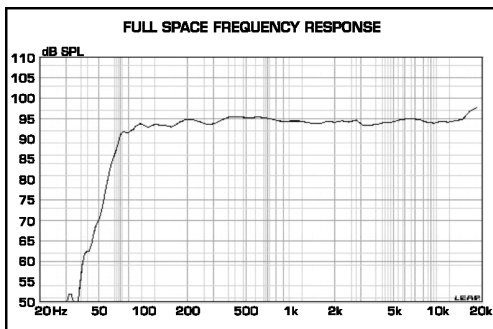
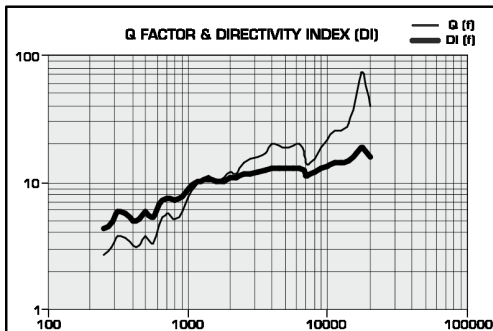
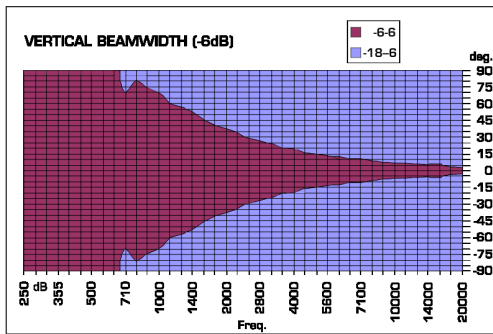
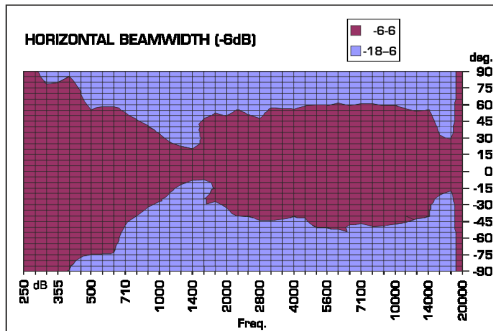
#### MECHANICAL SPEC.

Material		Polypropylene gas-injected
Net size ( WxHxD )	mm inch	574 x 220 x 383 22.6 x 8.7 x 15.1
Net weight	kg Lbs	13.5 29.8

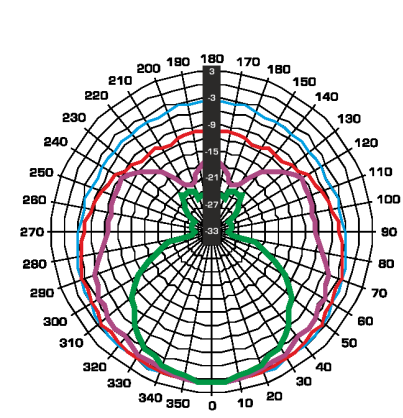
\* CONT. SPL: half space, based on continuous power amp rating and LF transducer average sensitivity data, 125ms time average

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

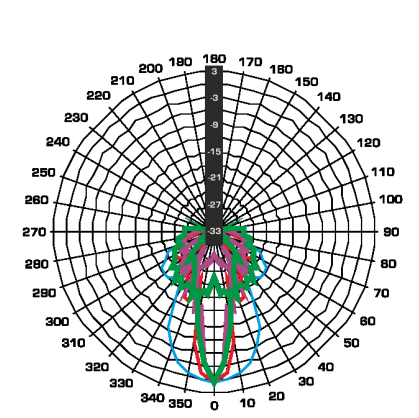
## DIAGRAMS



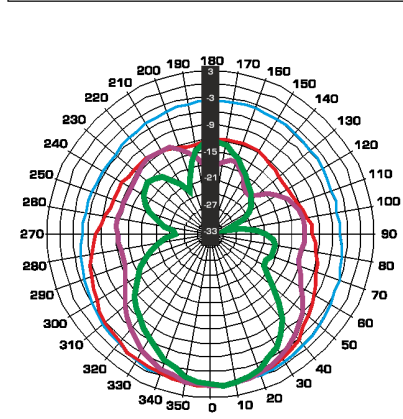
**VERTICAL POLAR DIAGRAM**



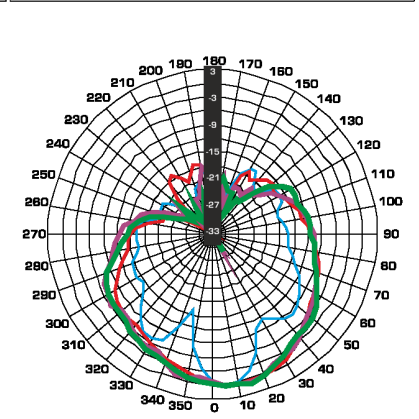
**VERTICAL POLAR DIAGRAM**



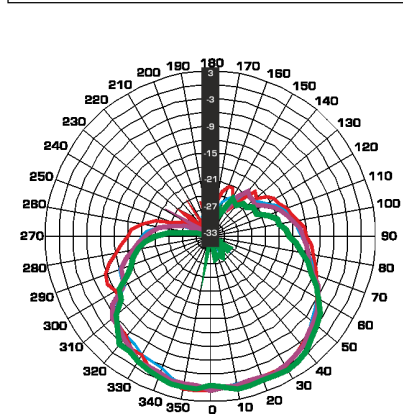
**HORIZONTAL POLAR DIAGRAM**



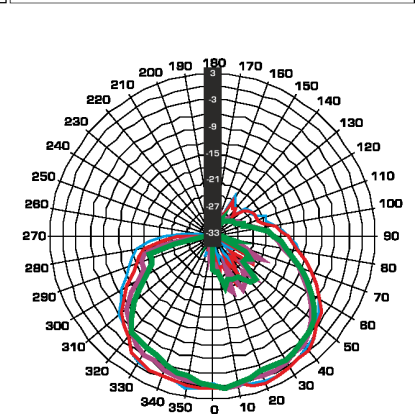
**HORIZONTAL POLAR DIAGRAM**



**HORIZONTAL POLAR DIAGRAM**

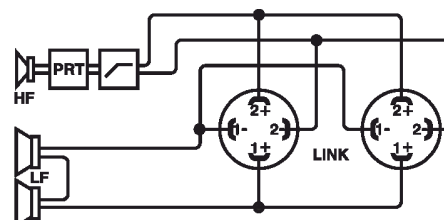


**HORIZONTAL POLAR DIAGRAM**

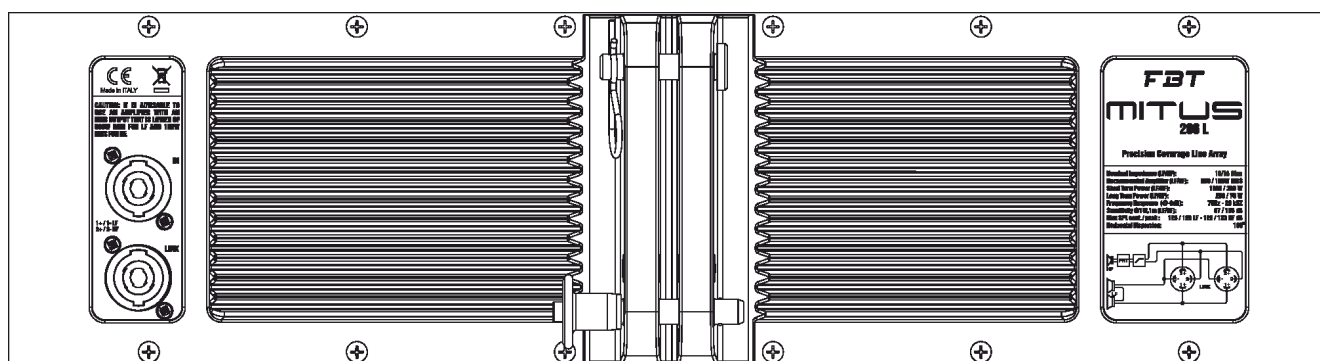


## CONNECTION PANEL

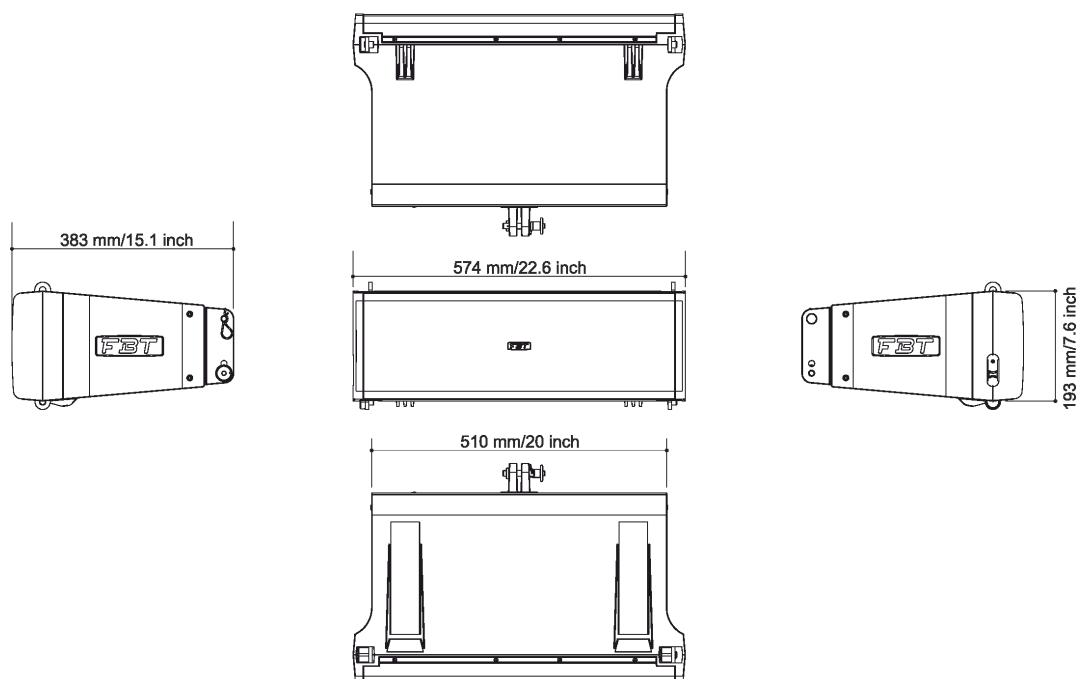
\*SPEAKON is a registered trademark of NEUTRIK



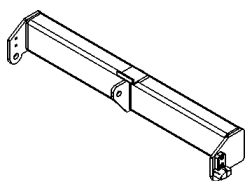
## CONNECTION PANEL



## DIMENSION DRAWING

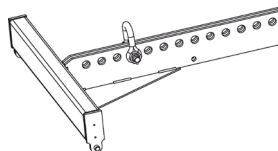


## ACCESSORIES



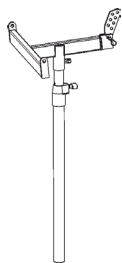
**MT-J206**

Joint bar MITUS 212FS/FSA with 206L



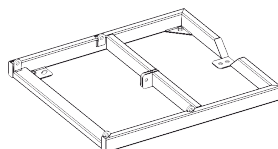
**MT-F206**

Flying bar MITUS 206L



**MT-S206**

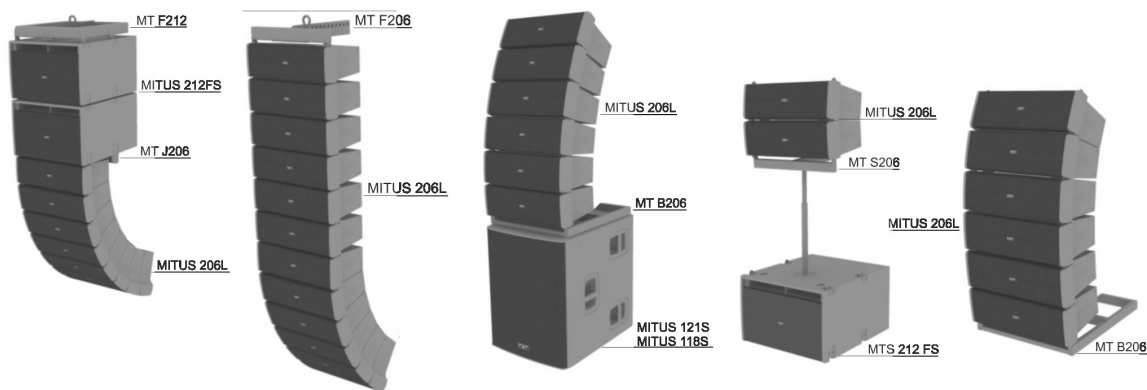
Cluster bracket with speaker pole for 2 x MITUS 206L



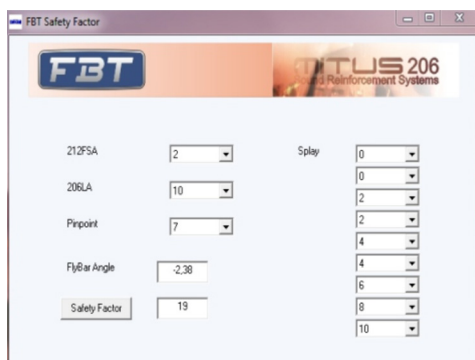
**MT-B206**

Metal base to ground MITUS 206L array or stack on MITUS 118SA/S or MITUS 121SA/S

## 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 206L - MITUS 212FS 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.

