

# Precision Coverage Line Array

## MAIN APPLICATIONS

- Permanent installations in:
  - Theatres, concert halls & clubs
  - Places of worship
  - Conference rooms
  - Indoor sports
  - Arenas and stadiums
- Sound reinforcement live events: touring, bands, orchestras

## MAIN FEATURES

- 2 x 6.5" B&C neodymium woofers with 1.7" coil
- 1.4" exit B&C neodymium driver with 2.5" coil
- High impact polypropylene gas-injected enclosure
- Recommended amplifier: 500W RMS/150W RMS, 16Ohm
- MAX SPL: 129dB/133dB
- 100° horizontal waveguide
- Input panel with 2 x Neutrik Speakon NL-4MDV IN & link
- 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 a 1.4" exit B&C neodymium driver with a 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 driver	inch	1 x 1.4 - 2.5 coil

### ACOUSTIC SPECIFICATIONS

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

### INPUTS & OUTPUTS

Input connectors	Speakon NL4 IN & link
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### AMPLIFIER

Recommended amplifier (LF/HF)	W RMS	500 / 150
Long term power (AES)	W	250 / 70
Short term power (@IEC 268-5)	W	100 / 300
Nominal impedance	Ohm	16

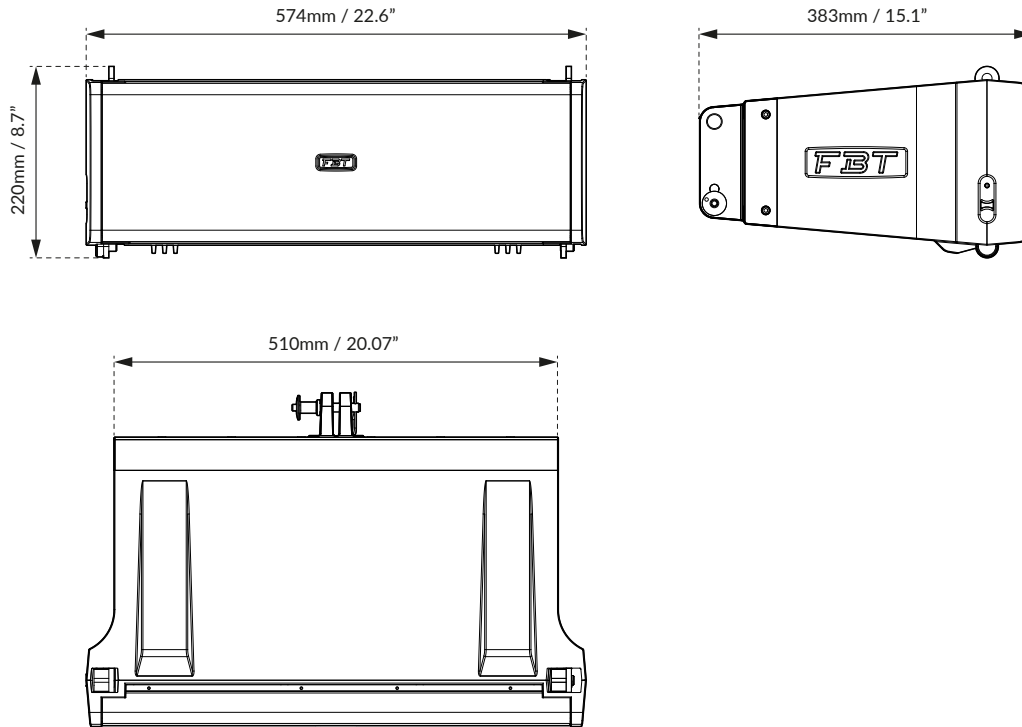
### MECHANICAL SPEC.

Material		Polypropilene
Net dimensions (WxHxD)	mm inch	574 x 220 x 383 22.6 x 8.7 x 15.1
Transport dimensions (WxHxD)	mm inch	630 x 305 x 490 24.80 x 12.01 x 19.29
Net weight	kg lb	14.80 32.62
Transport weight	kg lb	16 35.27

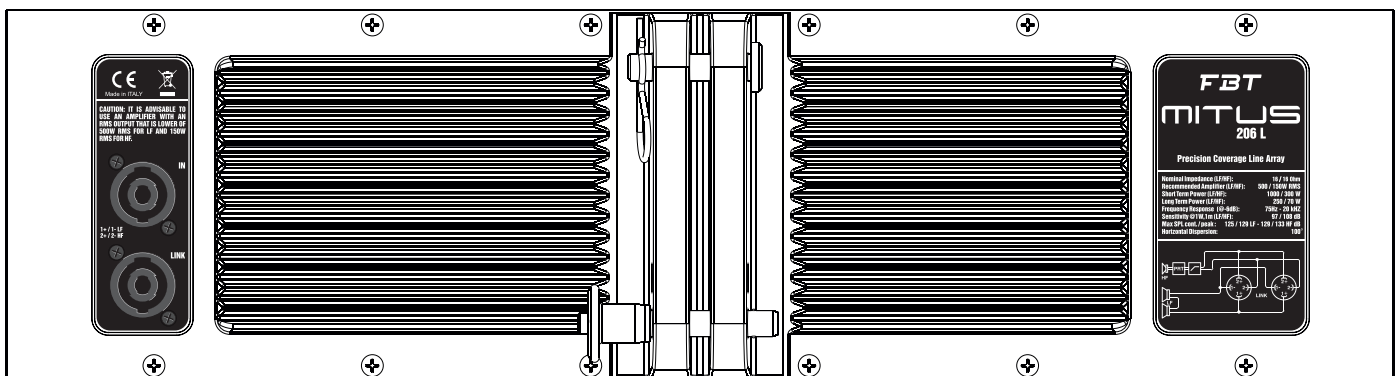
\* CONT. SPL: half space, based on continuous power amp rating and LF transducer average sensitivity data, 125ms time average

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

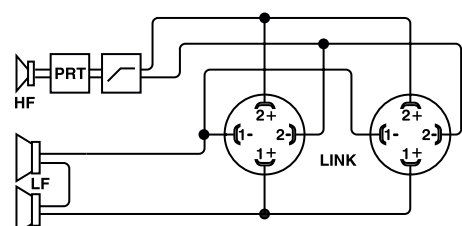
## DIMENSIONAL DRAWING



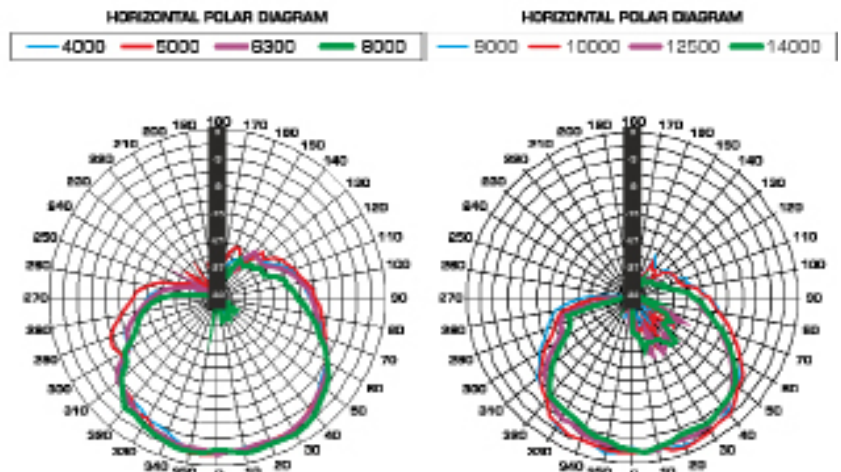
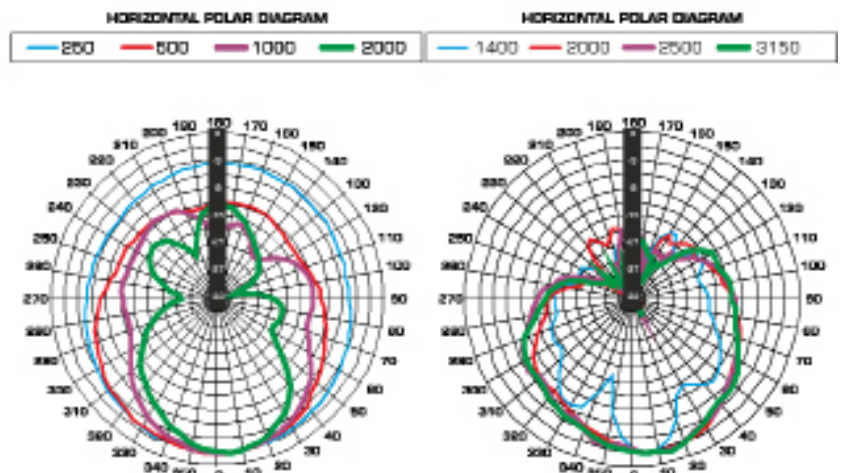
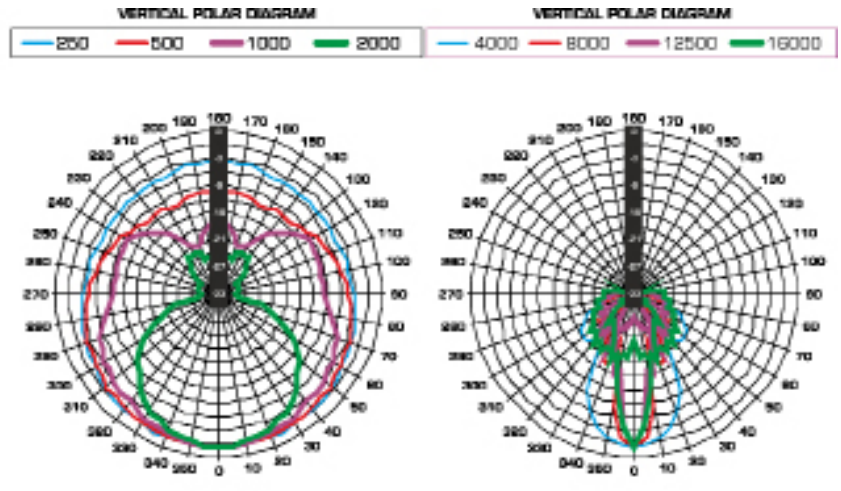
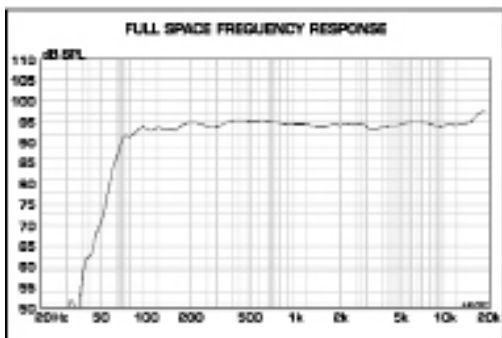
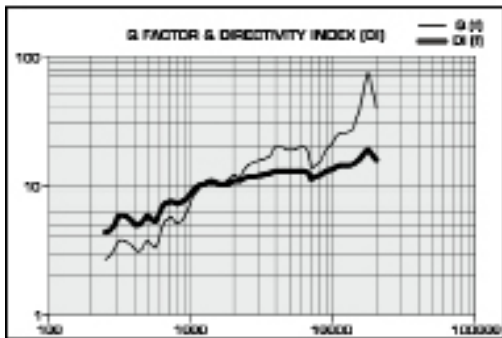
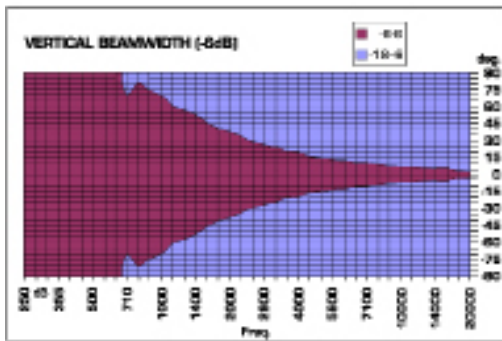
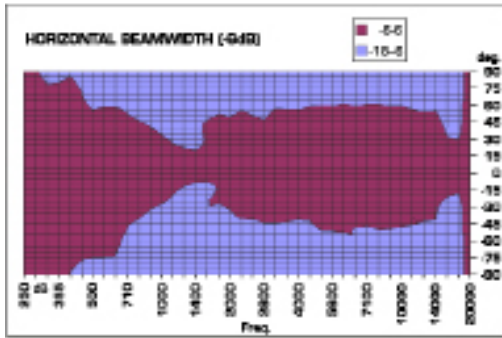
## CONNECTION PANEL



\*SPEAKON is a registered trademark of NEUTRIK



**DIAGRAMS**



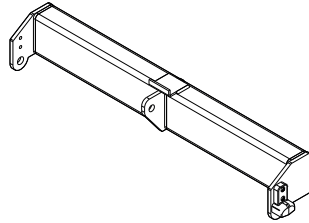
**ACCESSORIES**

**MT-J 206**

**Joint bar**

Code: 31806

552 x 84 x 82mm  
21.73 x 3.26 x 3.21inch  
4.50 kg / 9.92 lb

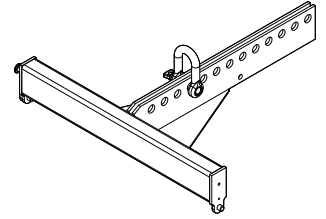


**MT-F 206**

**Flying bar**

Code: 31805

531 x 108 x 540mm  
20.9 x 4.25 x 21.25inch  
10.50 kg / 23.14 lb

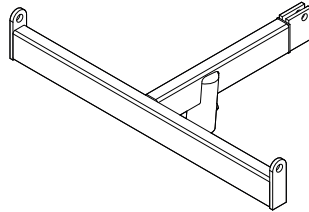


**MT-S 206**

**Cluster bracket with pole**

Code: 33324

552 x 338 x 338mm  
21.73 x 13.3 x 13.3inch  
5.30 kg / 11.68 lb

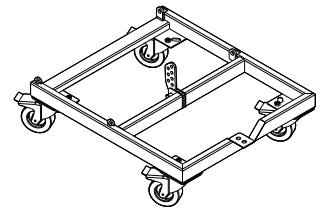


**MT-B 206**

**Metal base (optional wheels)**

Code: 31888

654 x 182 x 572mm  
25.76 x 7.18 x 22.51inch  
9.50 kg / 20.94 lb

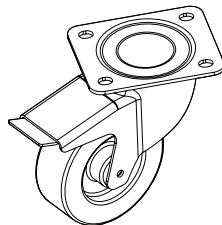


**KBW-1004S**

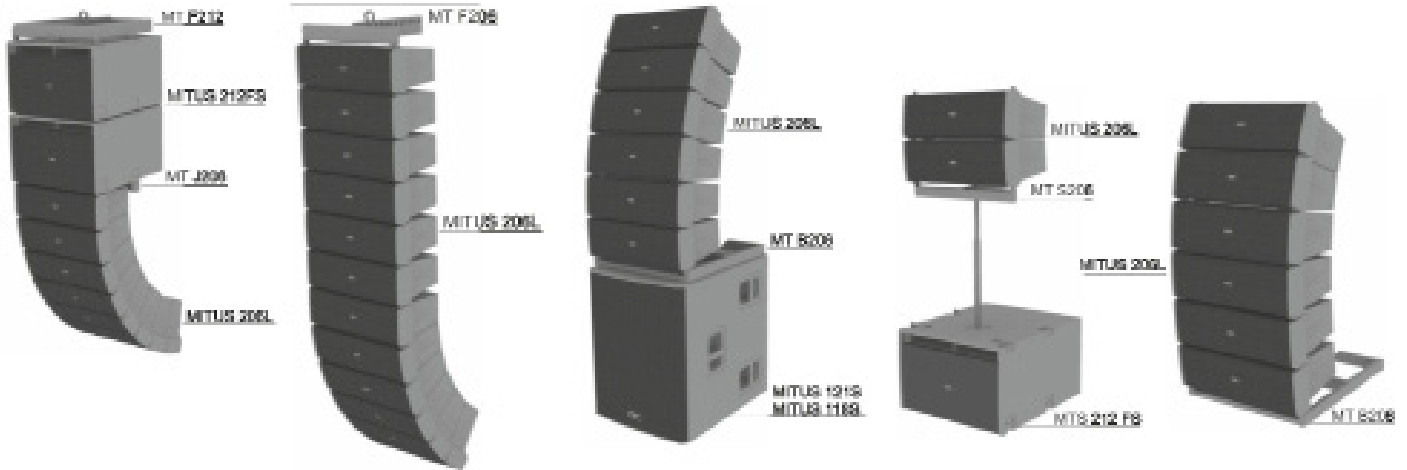
**4 Wheels Kit with Brake for MT-B 206**

Code: 25197

ø100mm  
ø4inch  
4 kg / 8.81 lb



**RECOMMENDED CONFIGURATION**



**EASE FOCUS**

FBT will make available a software called MITUS 206L\_FLYING which helps calculate the safety factor of the weakest point of the 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 behavior of the MITUS series line array system.

