

Active Precision Coverage Vertical 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
- Class D amplifiers: 600W RMS / 300W RMS
- 100° horizontal waveguide dispersion
- Input panel with XLR IN & link, volume, preset, HF level, HP filter, GND lift switch, DSP onboard with 8 preset, integrated rigging hardware
- MAX SPL: 134dB
- Very lightweight high-impact polypropylene gas-injected enclosure
- Completely manufactured in Italy



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 cabinet's 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.

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	68 - 20k
Crossover frequency	Hz	1.2k
MAX SPL (cont/peak)**	dB	125 / 134
Dispersion	H x V	100° x 10° max - dependant upon n° of elements

INPUTS & OUTPUTS

Input connectors		XLR IN & link with loop
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POWER SUPPLY

AC power requirement	VA	640
Power cord	mt ft	5 16.4

AMPLIFIER

Built-in amplifiers cont. (LF/HF)*	W RMS	400 / 200
Built-in amplifiers max (LF/HF)*	W RMS	600 / 300
Built-in amplifiers peak (LF/HF)*	W	1200 / 600
Input impedance	Ohm	22k

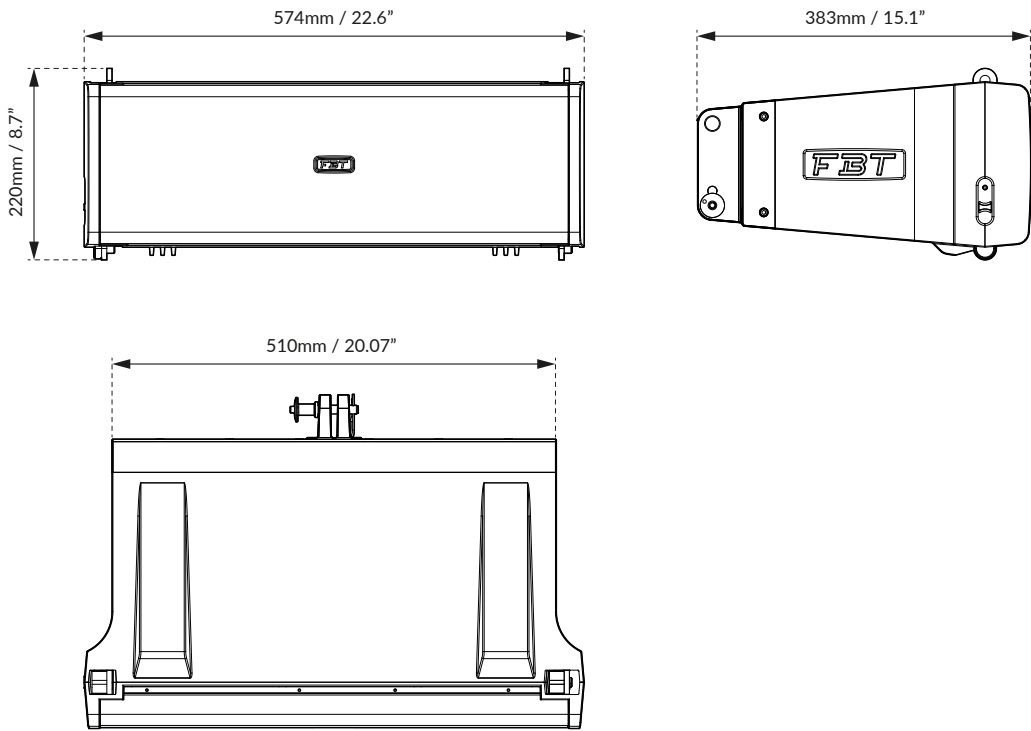
MECHANICAL SPECIFICATIONS

Material		Polypropylene
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	15.50 34.17
Transport weight	kg lb	17.50 38.58

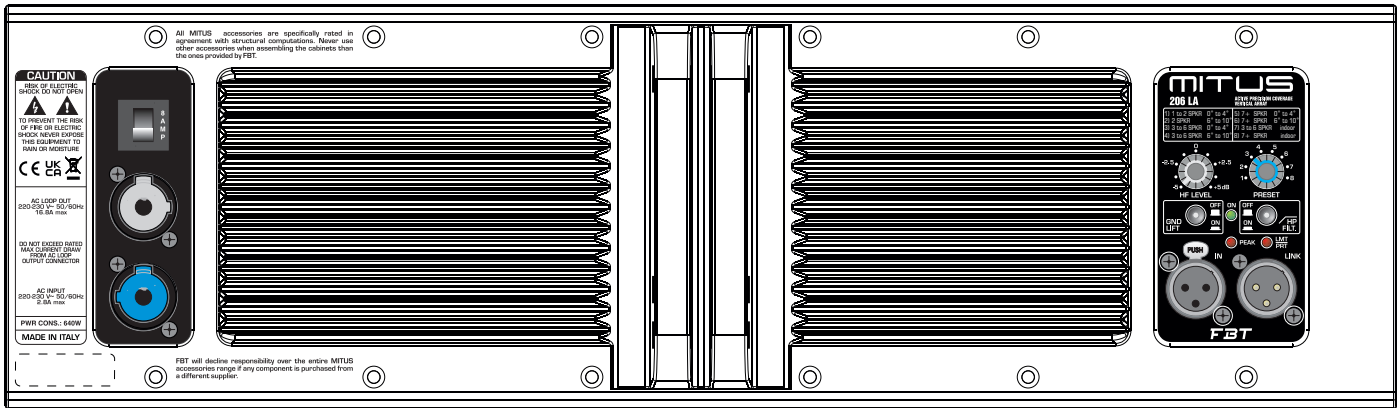
* CONT.: 500mS, RMS power on nominal speaker impedance / MAX.: 2mS burst, RMS power on nominal speaker impedance / MAX PEAK: based on max peak output voltage and nominal speaker impedance

** 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

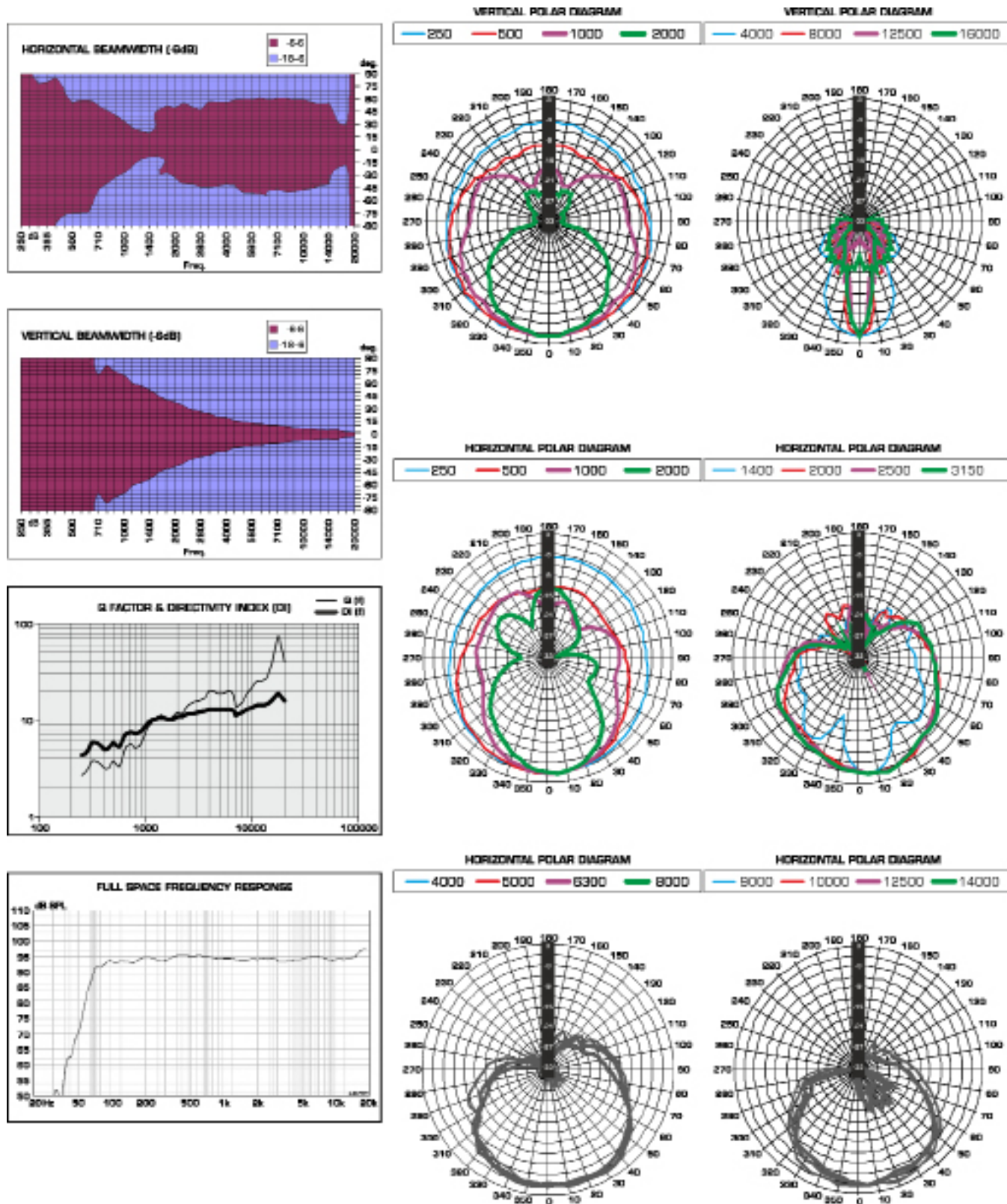
DIMENSIONAL DRAWING



CONNECTION PANEL



DIAGRAMS



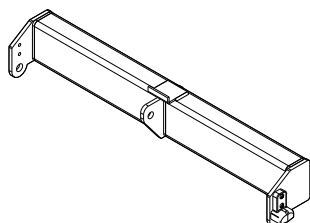
ACCESSORIES

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

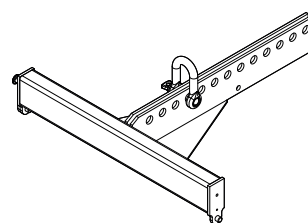


MT-F 206

Flying bar

Code: 31805

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

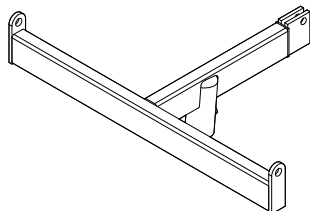


MT-S 206

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

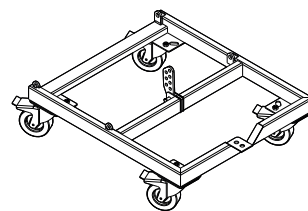


MT-B 206

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

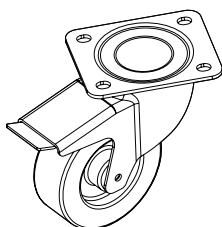


KBW-1004S

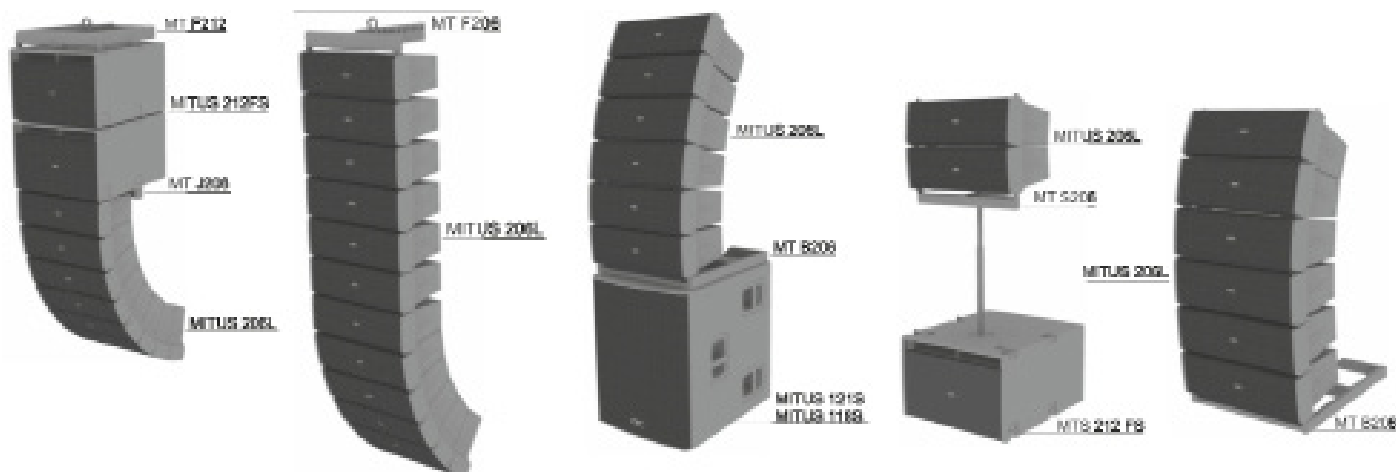
4 Wheels Kit with Brake for MT-B 206

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.

