



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,
- Conference both indoors and out, where uniform sound pressure level is required over the entire listening area

FEATURES

- 2-way powered bi-amplified true line array
- 13 layer 0.7" birch plywood enclosure with textured scratch resistant paint finish
- 8 x 8" custom neodymium woofers with 2" voice coil
- 8x1" neodymium compression driver with 1.7" voice coil
- 40°V x 90°H coverage
- Control panel with XLR signal input and link, input gain, ground lift, 2 banks of dip switches for delay control, diagnostic led
- User friendly built-in hardware manufactured with the highest safety standards
- High SPL capability: 141dB
- Optional flying bar, trolley for two systems, metal stand base and joint base to ground stack to MODUS SUB
- Completely Manufactured in Italy



PRODUCT DESCRIPTION

The FBT MODUS 40A two-way powered bi-amplified line array system shall incorporate 8 x 8" custom woofer with 2" voice coils and 8 x 1" custom neodymium compression drivers with 1.7" voice coil. The FBT MODUS 40A can be used singly with vertical dispersion of 40° or joined together FBT MODUS 15A forming a J-array with a vertical dispersion angle of 55°. The FBT MODUS 40A shall have a 1400W RMS LF and 700W RMS HF class "D" high efficiency integrated amplifier. The FBT MODUS 40A shall meet the following performance criteria: frequency response of 58Hz to 18kHz, frequency sensitivity of 105dB, maximum SPL of 141dB. The waveguide, designed to create a coherent cylindrical acoustic front, is free of multiple sound paths ensuring a natural-sounding emission. The front shall be protected by a perforated formed aluminum grill and a rugged touring grade scratch resistant black paint finish protects the cabinet exterior. Control panel shall have XLR signal input and link, input gain, ground lift, 2 banks of dip switches for delay control, diagnostic led. The system shall be flyable thanks to the user friendly built-in hardware manufactured with the highest safety standard.

ELECTRICAL PERFORMANCE

System Type:	2-way
Built in Amplifier	1400W RMS LF/700W RMS HF
Frequency Response @ -6dB	58Hz - 18kHz
Sensitivity @ 1W, 1m	105dB
Maximum SPL (continuous/peak)*	137dB / 141dB
Dispersion	90°H x 40°V
Input Impedance	22k Ohm
Crossover Frequency	1.2 kHz
AC Power Requirement	1400VA
Input Sensitivity	0dBu line

PHYSICAL

Low Frequency Woofer	8 x 8" / 2" Coil
High Frequency Driver	8 x 1" / 1.7" Coil
Input Connectors	XLR with loop
Net Dimensions (WxHxD) single unit	28.07" x 38.58" x 19.29"
Shipping Dimensions (WxHxD) 2 units	29.5" x 55.1" x 43.3"
Net Weight	205.02 lbs
Shipping Weight 2 units on pallet	462.97 lbs
Enclosure Material	13 layer 0.7" birch plywood

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

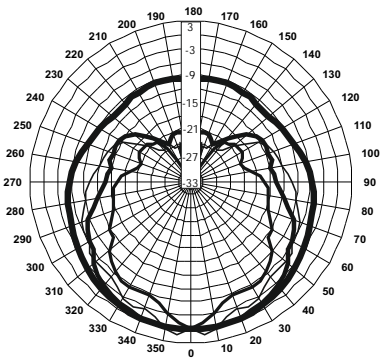


MODUS 40A

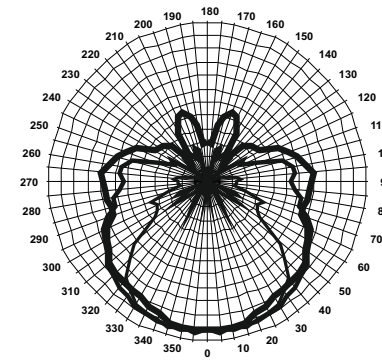
Precision Coverage Vertical Array

DIAGRAMS

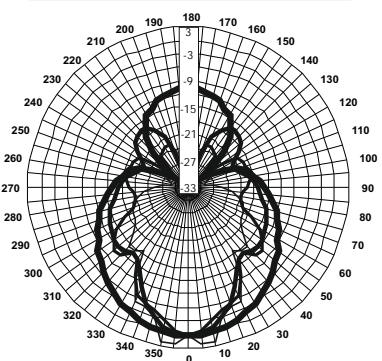
HORIZONTAL POLAR DIAGRAM
 — 250 — 500 — 1000 — 2000



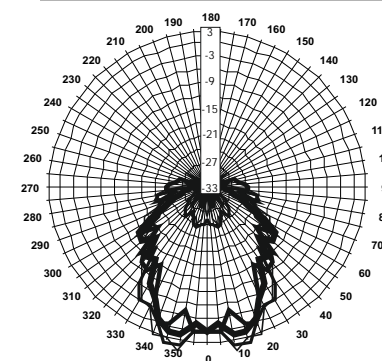
HORIZONTAL POLAR DIAGRAM
 — 4000 — 8000 — 12500 — 16000



VERTICAL POLAR DIAGRAM
 — 250 — 500 — 1000 — 2000

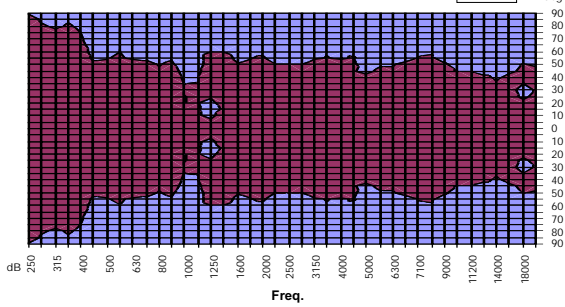


VERTICAL POLAR DIAGRAM
 — 4000 — 8000 — 12500 — 16000



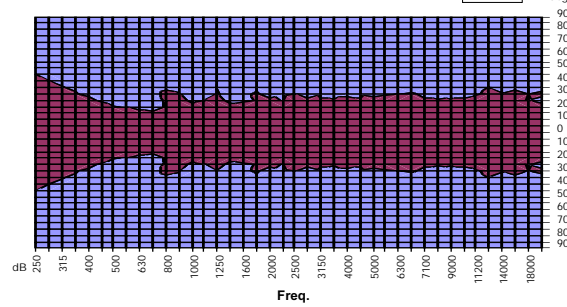
HORIZONTAL BEAMWIDTH (-6dB)

■ -6-6
 ■ -18-6



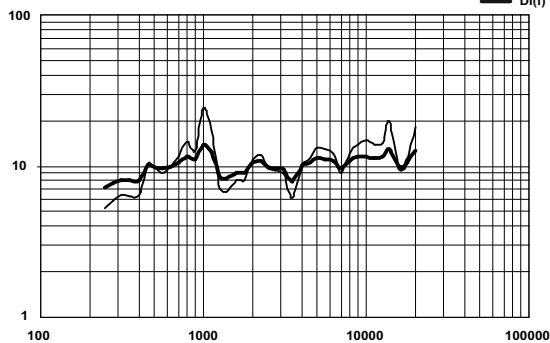
VERTICAL BEAMWIDTH (-6dB)

■ -6-6
 ■ -18-6

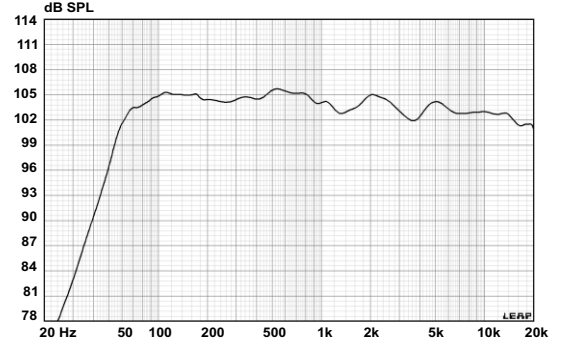


Q FACTOR & DIRECTIVITY INDEX (DI)

— Q(f)
 — DI(f)



FULL SPACE FREQUENCY RESPONSE

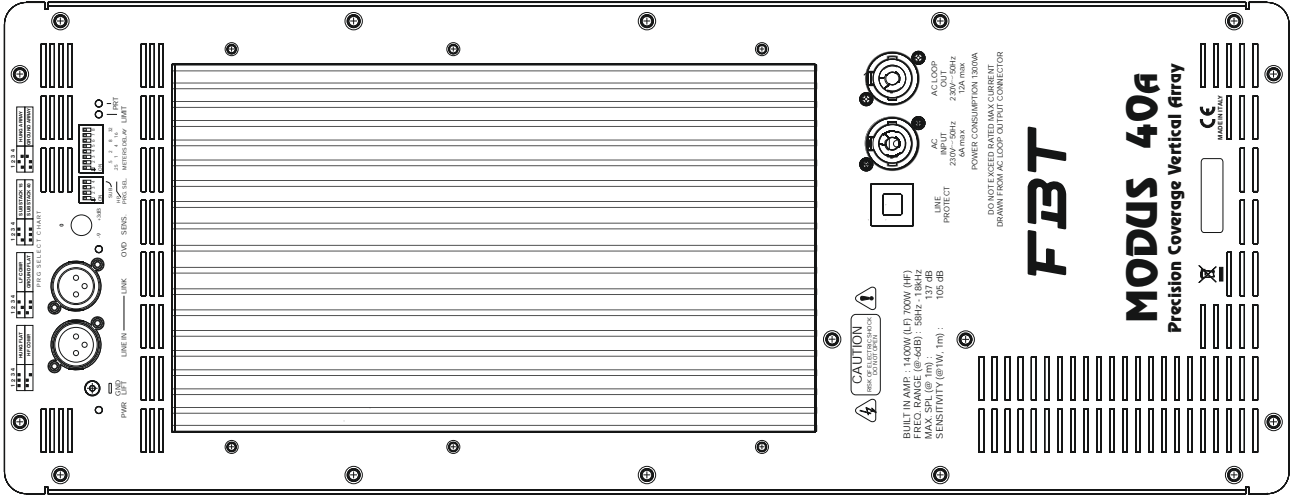




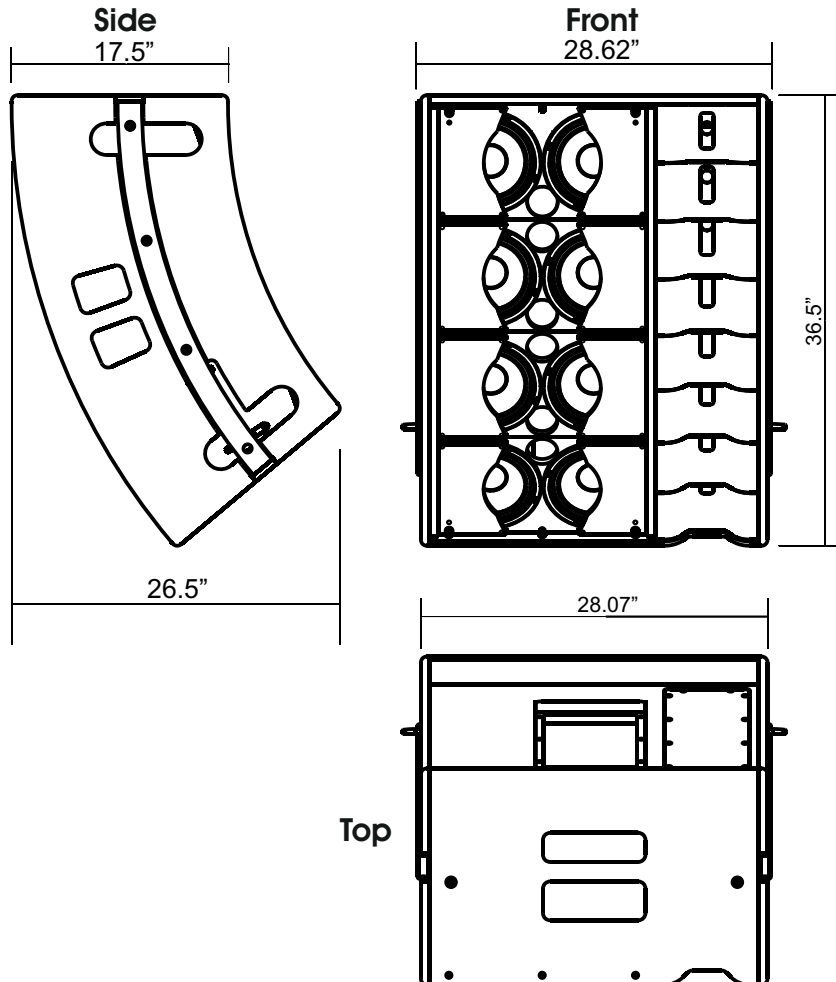
MODUS 40A

Precision Coverage Vertical Array

CONTROL PANEL



DIMENSION DRAWING

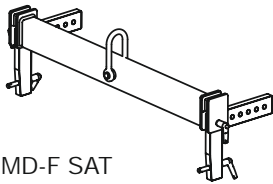




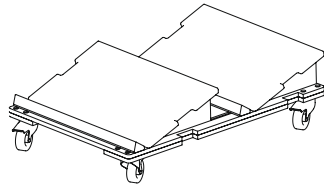
MODUS 40A

Precision Coverage Vertical Array

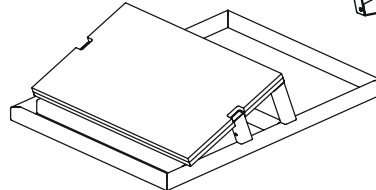
ACCESSORIES



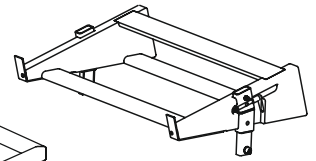
MD-F SAT
Flying bar



MD-T SAT
Trolley for 2 sat



MD-B
Metal stand base
to tilt MODUS 40A



MD-WB
Joint base
to ground stack
MODUS 40A to
MODUS SUB A

CONFIGURATIONS



MODUS SUB A

MODUS 15 A

MODUS 40 A



MODUS 15 A

MODUS 40 A



MODUS 40 A

MODUS SUB A



MODUS 40 A



MODUS 15 A

MODUS 40 A