



Evo²MaxX 6a

Processed Active Speaker

APPLICATIONS

- Live Sound P.A. System
- Live Sound Monitor
- D.J. System
- School & Corporate Audio Visual Sound Reinforcement
- Background Music/Announcement: Restaurants, Pubs
- Transportation Terminals /Clubs /Auditoriums /Theatres
- Gyms /Houses of Worship

FEATURES

- 2-way biamplified bass reflex design cabinet.
- 400W RMS LF & 100W RMS HF Class D power amplifiers
- 15" woofer with 2.5" voice coil, custom made for FBT.
- B&C HF compression driver with 1.7" voice coil and 1" exit.
- Control panel with balanced XLR/Jack input and XLR link out, Volume, EQ, presets, HP filter, 3 status led indicators.
- Extra lightweight polypropylene cabinet (55.11lbs) with two integrated handle and stage floor monitor taper.
- Multiple mounting options: 1.38" top-hat speaker stand socket, wall bracket mount flange plate, four M10 suspension points.
- Optional Carrying Bags available for protection for portable use.
- Completely Manufactured in Italy.



Designed, Engineered
and Manufactured in ITALY

PRODUCT DESCRIPTION

The **EVO²MaxX6A** active speaker features lightweight, yet rugged gas injected molded polypropylene cabinet construction. The asymmetrical shape of the **EVO²MaxX6A** cabinet also allows use as a floor stage monitor. The **EVO²MaxX6A** is a two way design incorporating a 15" LF woofer with 2.5" voice coil custom made for FBT and 1" throat exit B&C HF compression driver coupled to a 90°H x 60°V constant directivity horn. The digital internal crossover is at a fixed frequency of 1.6kHz. With a frequency range of 42Hz-20kHz, the **EVO²MaxX6A** provides hi fidelity sound for both speech and music applications with a maximum SPL of 131dB. The bi amplified **EVO²MaxX6A** active speaker features a 400W RMS Class D low frequency amp and a 100W RMS Class D high frequency amp. An EVOMaxX digital signal processor with four presets also provides quick equalisation contours for any acoustically challenging venue. The control panel features balanced XLR / Jack input and XLR link out, Volume, EQ presets, HP filter, 3 status led indicators. A front face steel grille protects the woofer from external damage. The four M10 fly points built into the cabinet, along with the optional Box 104/105 mounting brackets allow the **EVO²MaxX6A** speakers to be surface mounted on walls or ceilings. A standard 1.38" speaker stand socket allows the **EVO²MaxX6A** to be mounted on speaker stands.

ELECTRONIC SPECIFICATIONS

System Type:		2 Way
Internal Amplifiers *	cont.:	350W+80W RMS
	max.:	400W+100W RMS
	max. peak:	800W+200W
Low Frequency Woofer		1 x 15" - 2.5" coil
High Frequency Driver		1 x horn - 1,7" coil
Frequency Response @ -6dB		42Hz - 20kHz
Input Impedance		22kOhm
Maximum SPL (continuous/peak) * *		126dB / 131dB
Dispersion		90°H x 60°V
Active Crossover Frequency		1,6kHz
AC Power Requirement (continuous/peak)		450VA

PHYSICAL SPECIFICATIONS

Input Connectors		XLR with loop
Net Dimensions (WxHxD)		19" x 29.8" x 15.7"
Shipping Dimensions (WxHxD)		23.4" x 34.6 x 20.3"
Net Weight		55.11lbs
Shipping Weight		63.27lbs
Enclosure Material		Polypropylene
Grille		Steel with powder coat black paint finish
Power Supply Cable		16.4 ft

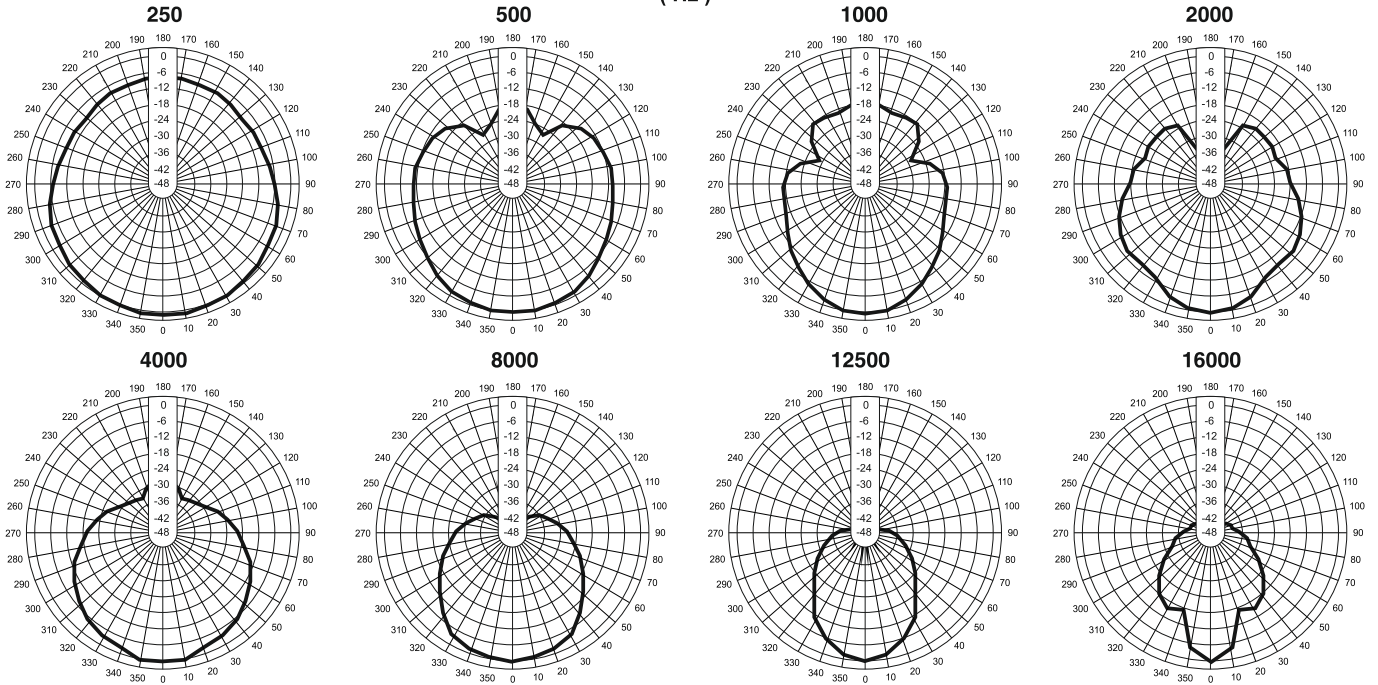
* CONT. : 500ms burst, rms power on nominal speaker impedance
 MAX: 2ms burst, rms power on nominal speaker impedance
 MAX PEAK: based on max peak output voltage and nominal speaker impedance

** 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

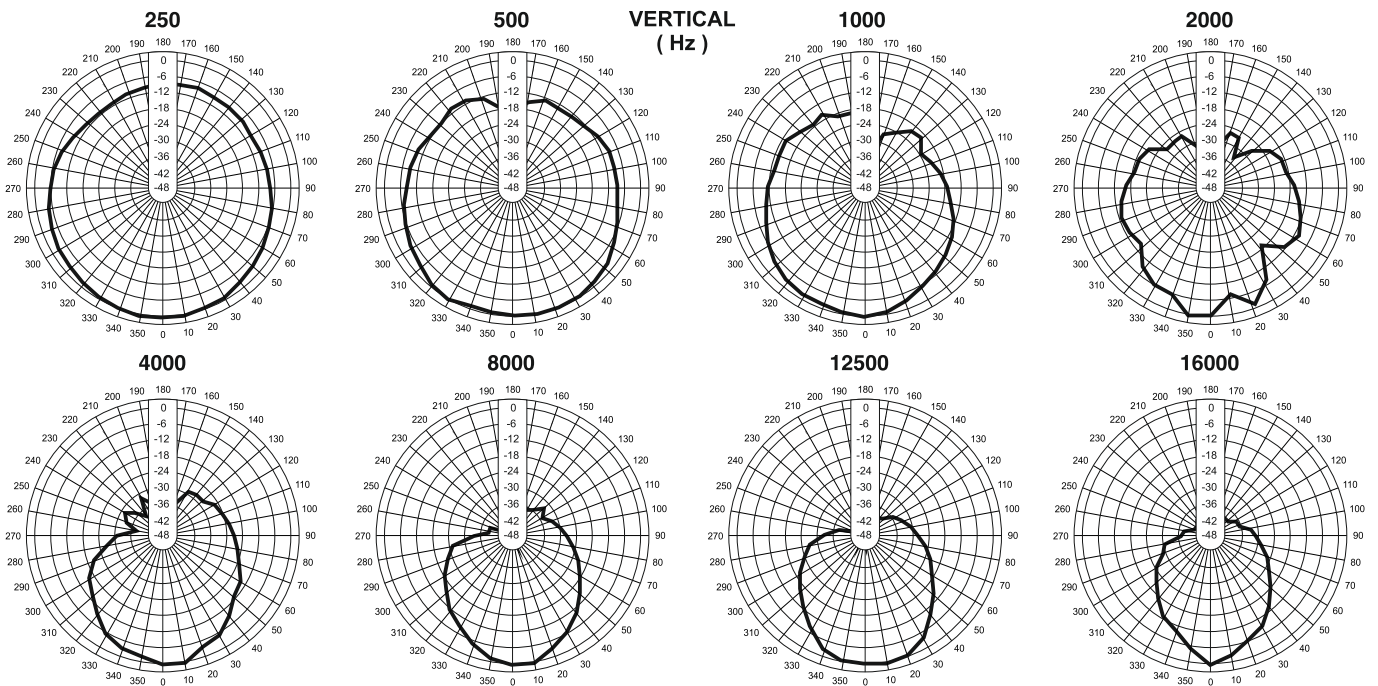


DIAGRAMS

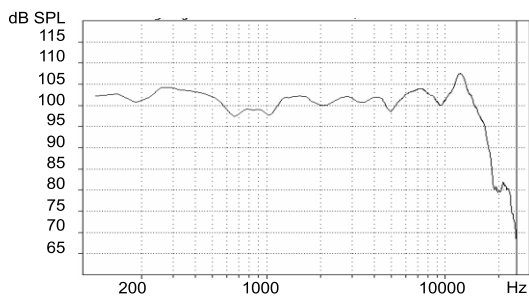
HORIZONTAL (Hz)



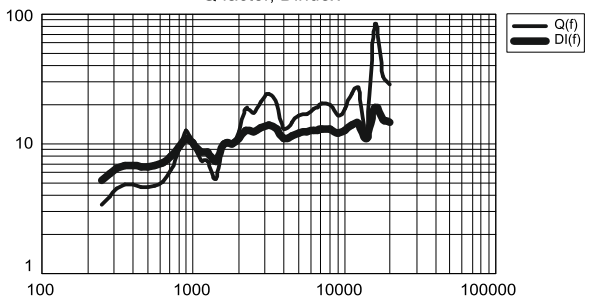
VERTICAL (Hz)



FREQUENCY RESPONSE



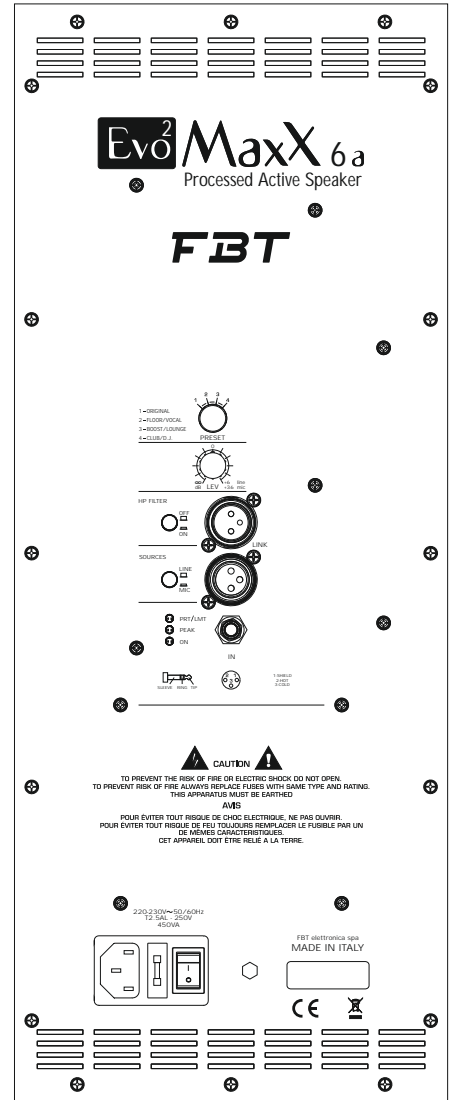
Q factor, Dindex



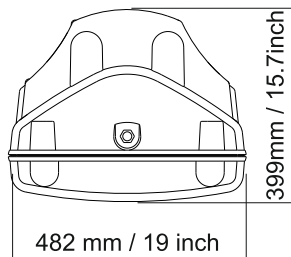
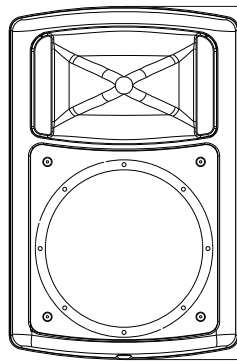
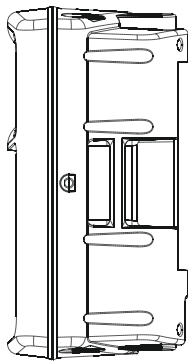


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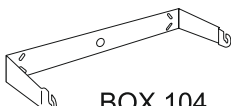
CONTROL PANEL



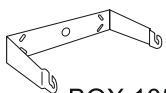
DIMENSIONAL DRAWINGS



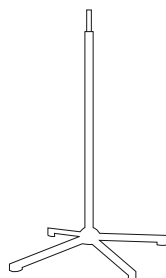
ACCESSORIES



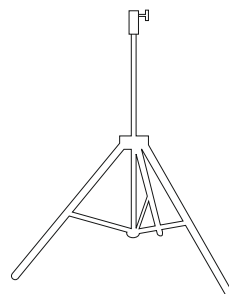
BOX 104
Mount for horizontal
wall installation



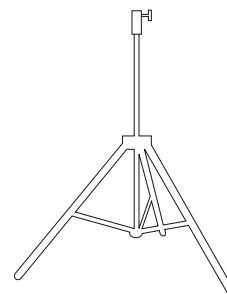
BOX 105
Mount for vertical
wall installation



SS 2
Standard speaker
floor stand
Max. weight 220lb



KMS 300
Adjustable aluminium floor
stand, damped safety
mechanism
Max. weight 154lb



KMS 325
Adjustable aluminium floor
stand Ø1.38" with Ø1"
adapter
Max. weight 88lb



KMS 220
Adjustable for
sub-satellite
speaker connection
with safety locking
device Ø1.38"