

EVOX 12

ACTIVE TWO-WAY ARRAY



MAIN APPLICATIONS

- DJs
- Corporate events
- Presentations
- Performers

MAIN FEATURES

- 1400 Watt
- 130 dB max SPL
- 40 Hz 20 kHz frequency response
- 15" Woofer
- 8 x 4" neodymium full-range woofer
- 90° x 30° slightly tilted pattern control
- Innovative DSP processing
- Pole mountable, easy set-up and transportation

DESCRIPTION

EVOX is the professional RCF answer to small satellite-subwoofer or column style portable speakers. EVOX, designed for live sound, exceeds the portability and the performances of competition products.

EVOX systems are primarily designed for live sound. Extensive testing with instruments and voices during the design process as well as power and reliability testing make the EVOX systems the perfect workmates for solo musicians, bands and DJs.

EVOX 12 is the most powerful line-source in its class and offers a particularly profound and dynamic reproduction at high levels due to the built-in 1400W power amplifier. The top section has eight high performance neodymium 4" full-range transducers with a phase plug. As a result, the EVOX 12 has a significantly increased low-mid playback at a constant level with a wide dispersion for the highs. The 15" subwoofer delivers powerful bass sound to reinforce a big party or the kick drum of a live band. Despite high performance, the enclosure is very compact, and thanks to integrated wheels and extendable handle very easy to transport

The high excursion woofers are able to extend to the lowest frequencies and offer a quick and precise response up to the crossover point. Specific attention has been dedicated to the mid-low frequency region where many similar products fail.

EVOX array design features constant horizontal directivity coverage of 90° x 30°, offering a perfect listening experience to the audience. The vertical array design is progressively shaped to guarantee a correct listening from the first row and to avoid a high frequency beaming typical of straight array. The woofer section features a 15" inch high excursion woofer able to extend to the lowest frequencies and offer a quick and precise response up to the crossover point

The system is designed to be the perfect portable solution for live music and DJs. The unique vocal attitude and portability make EVOX 12 the perfect tool for presentations, corporate events and congresses

The EVOX DSP processing is the result of many years of experience in line array design combined with innovative and dedicated algorithms. Thanks to the frequency dependent drivers' excursion and control of distortion, our processing is capable to guarantee an incredible and unmatched output from these small systems.

A dedicated vocal processing has been specifically studied for speech reproduction during presentations or conferences.

The EVOX 12 is powered by a 1400W peak power digital amplifier, split 400W for the HF and 1000W for the LF. A new generation DSP handles all the processing within the cabinet and allows EQ adjustment.

An easy to reach volume knob on the back allows setting the overall volume of the speaker according to its application.

3 status LEDs – Power / Signal / Status are provided for monitoring the system. EVOX top steel plate joins the handle and the M20 insert for pole mounting.

A comfortable rubber hand grip has been added for great portability. Strong cabinets and grilles are designed for heavy professional use.

ACOUSTICAL SPECIFICATIONS

Frequency response:	40 Hz- 20 Khz
Max SPL:	130 dB
Horizontal coverage angle:	90°
Vertical coverage angle:	30°
Fullrange:	8x4.0", 1.0" v.c.
Woofer:	15", 3.0" v.c.

INPUT/OUTPUT SECTION

Input connectors:	Jack-XLR male
Output connectors:	XLR female
Input sensitivity:	-2 dBu / + 4 dBu

PROCESSOR SECTION

Crossover frequencies:	180 Hz
Protections:	Thermal, rms
Limiter:	soft limiter
Controls:	Volume, EQ

AMPLIFIER

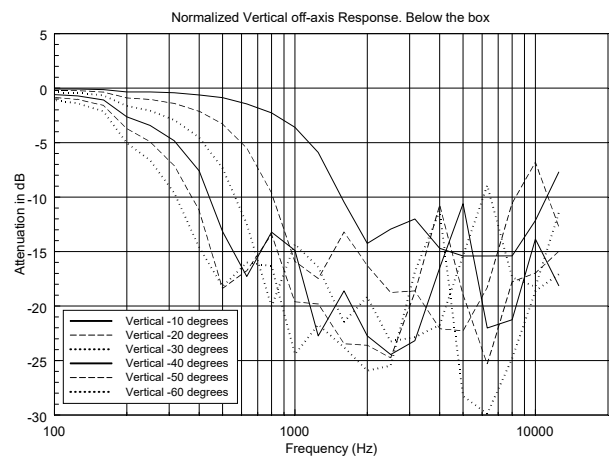
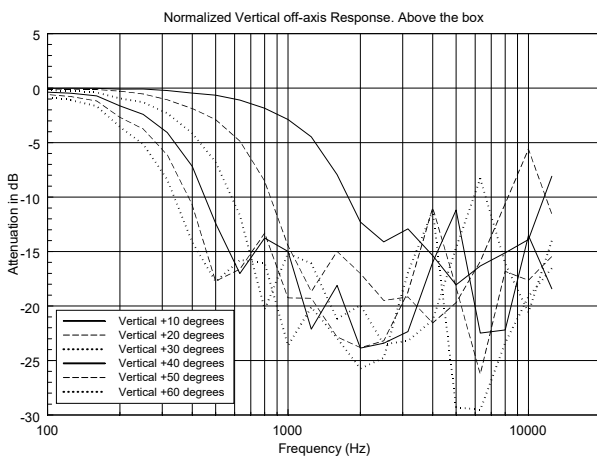
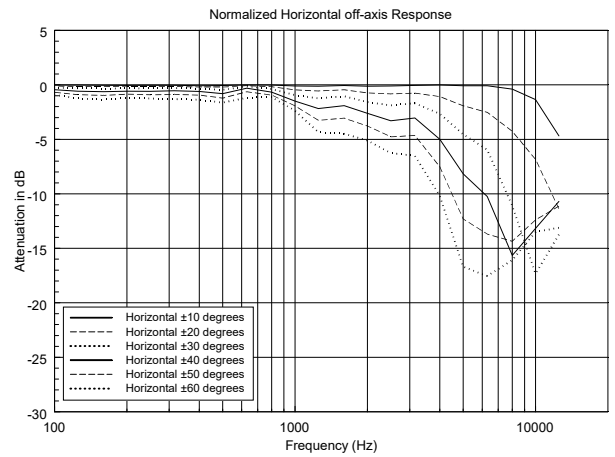
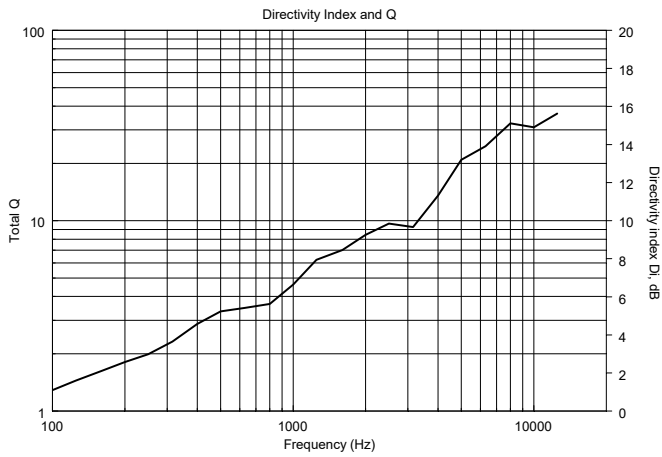
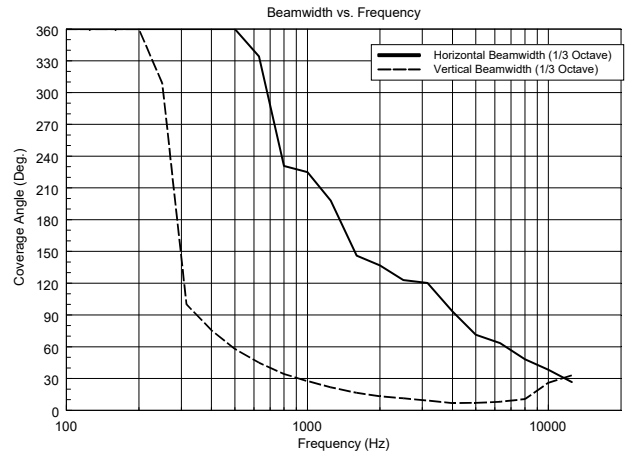
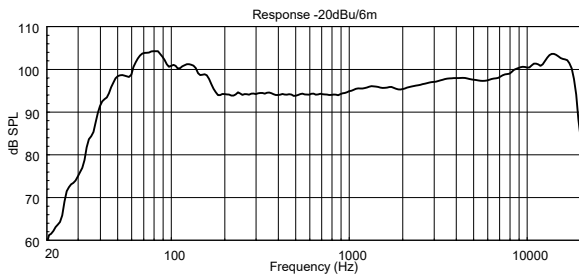
Total Power:	1400 Watt
High frequencies:	400 Watt
Low frequencies:	1000 Watt
Cooling:	convection
Connection:	VDE connector

PHYSICAL

Height:	2220 mm (87.4")
Width:	410 mm (16.14")
Depth:	560 mm (22.050")
Net Weight:	36.4 kg (80.24 lbs)
Cabinet:	Baltic birch plywood
Hardware:	2 x M6
Handles:	2 side, 1 top
Pole mount cap	yes
Colour:	Black

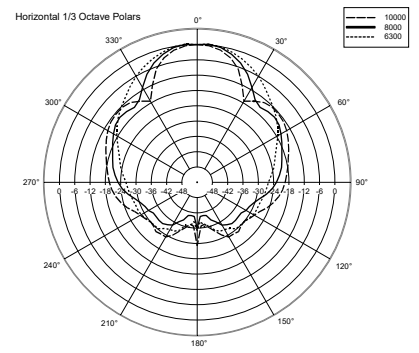
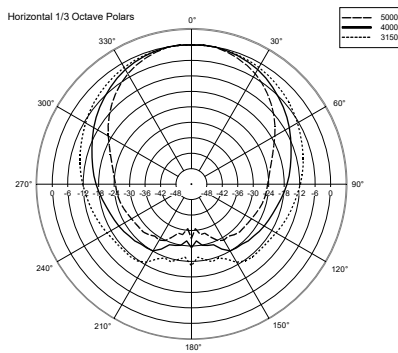
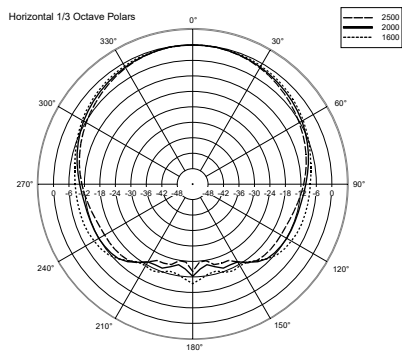
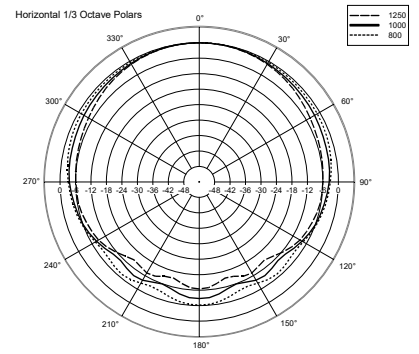
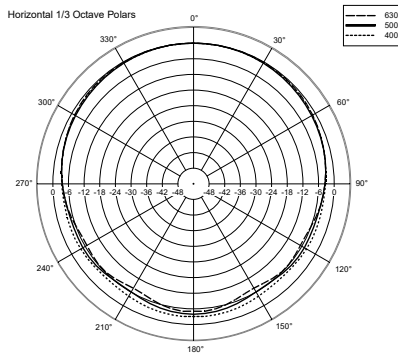
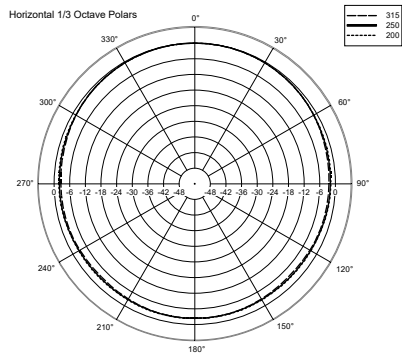


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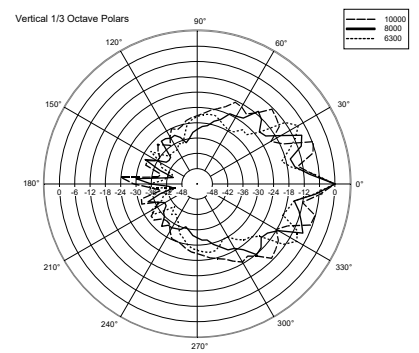
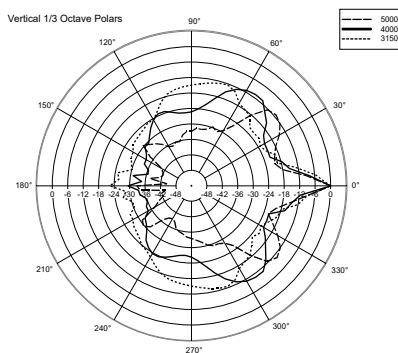
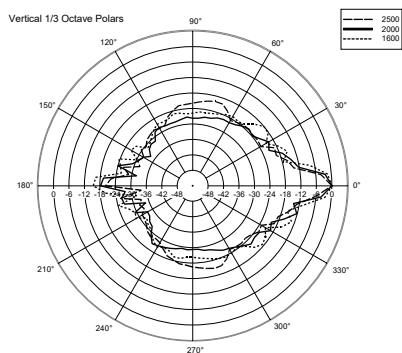
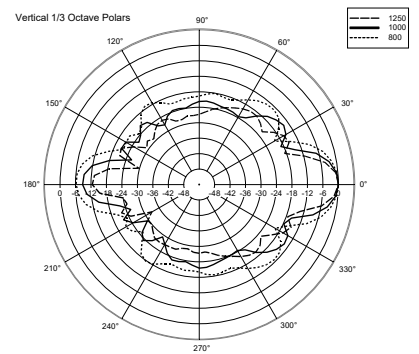
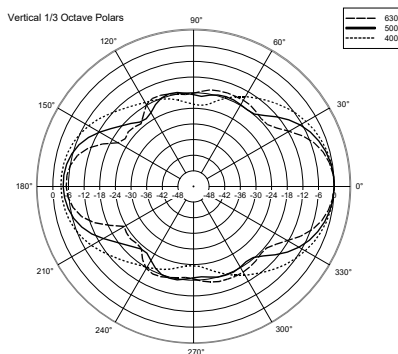
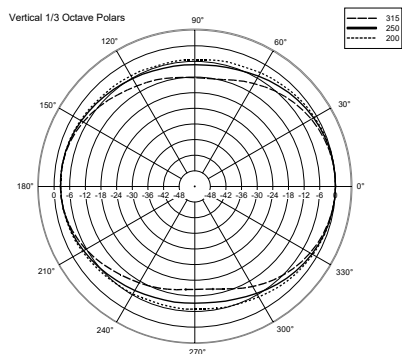


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HORIZONTAL 1/3 POLAR PLOT



VERTICAL 1/3 POLAR PLOT



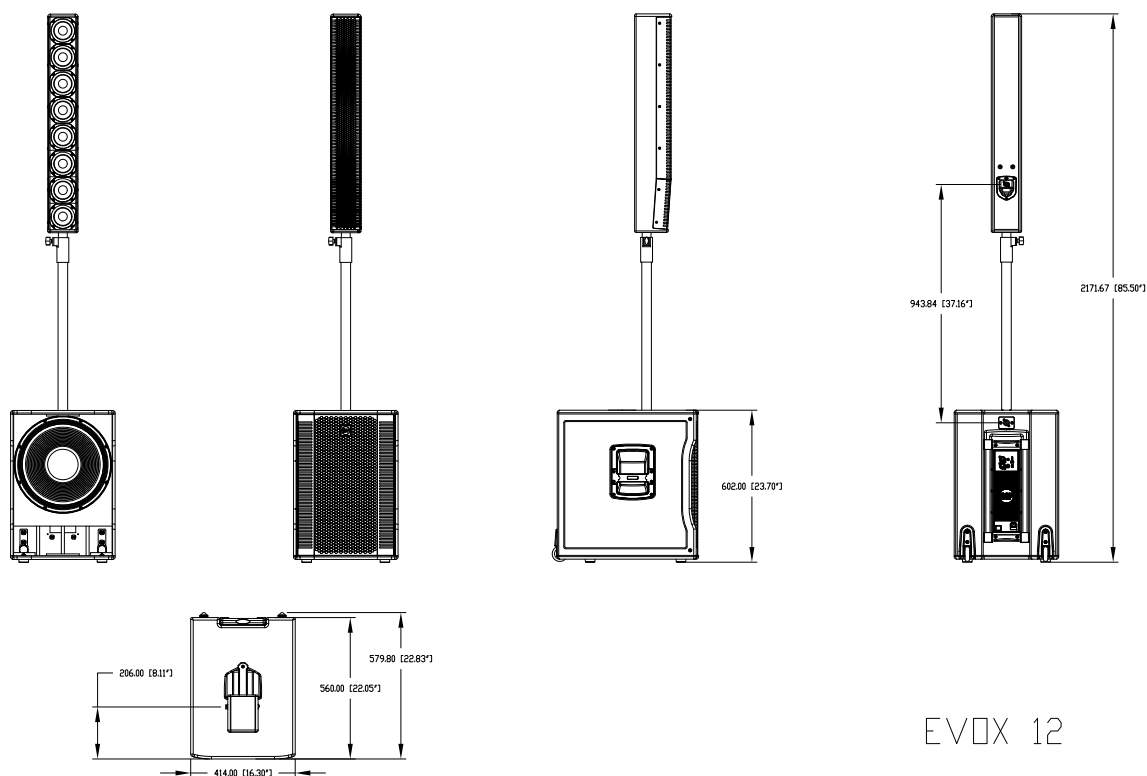
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PART NUMBERS

13000481 - 230 VOLT

13000482 - 115 VOLT

DIMENSIONS (All data are in mm)



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ACCESSORIES

EVOX 12 COVER

Protection cover for EVOX 8