

# EVOX 8

## ACTIVE TWO-WAY ARRAY



### MAIN APPLICATIONS

- Live Sound
- Corporate A/V professionals and sound system hire companies
- Rental
- Portable PA, clubs, houses of worship, theme parks
- Music playback and sound reinforcement in small and mid-size venues

### MAIN FEATURES

- 1400 Watt
- 128 dB max SPL
- 40 Hz 20 kHz frequency response
- 12" Woofer, 2.5" v.c.
- 8 x 2" Ultra compact fullrange, 1.0 v.c.
- 120° 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 8 is a portable compact size sound reinforcement system. EVOX 8 combines the quality and reliability of RCF transducers with a very high amplification power. The system features eight 2.0" full range transducers in the line source satellite and a deep sounding 12" woofer in a bass reflex enclosure. 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 120°, 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 12" inch driver that, with a 2.5" inside-outside voice coil and a powerful magnetic structure, guarantees a fast and accurate sub-bass frequency range, taking advantage of RCF's superior moulding, assembly technologies and a wealth of professional knowledge and experience dedicated to achieving extremely high standards.

The system is designed to be the perfect portable solution for live music and DJs. The unique vocal attitude and portability make EVOX 8 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 8 is powered by 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:	128 dB
Horizontal coverage angle:	120°
Vertical coverage angle:	30°
Fullrange:	8 x 2" Ultra compact fullrange, 1.0 v.c.
Woofer:	12" Woofer, 2.5" v.c.

### INPUT/OUTPUT SECTION

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

### PROCESSOR SECTION

Crossover frequencies:	220 Hz
Protections:	Thermal, rms
Limiter:	soft limiter
Controls:	Volume, EQ, phase, xover

### AMPLIFIER

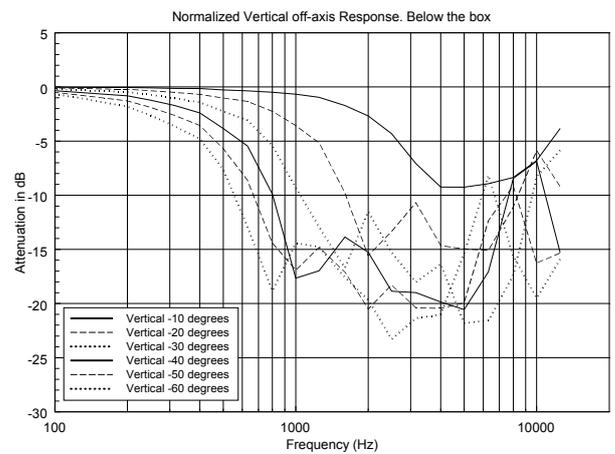
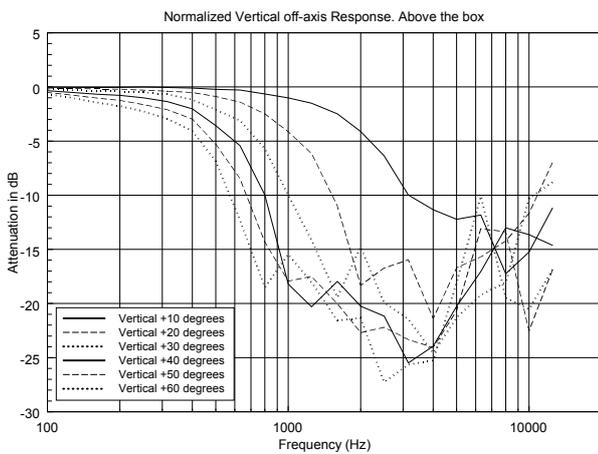
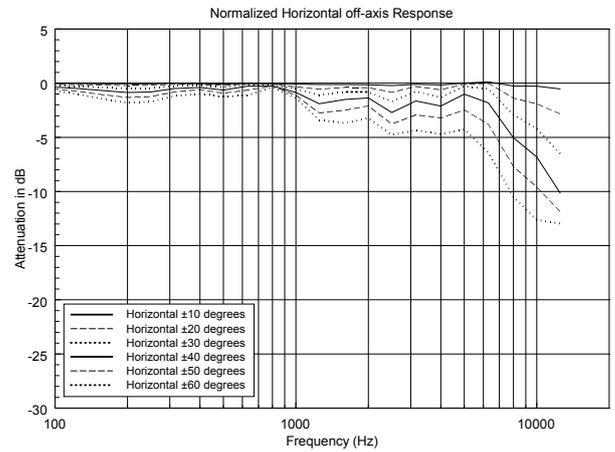
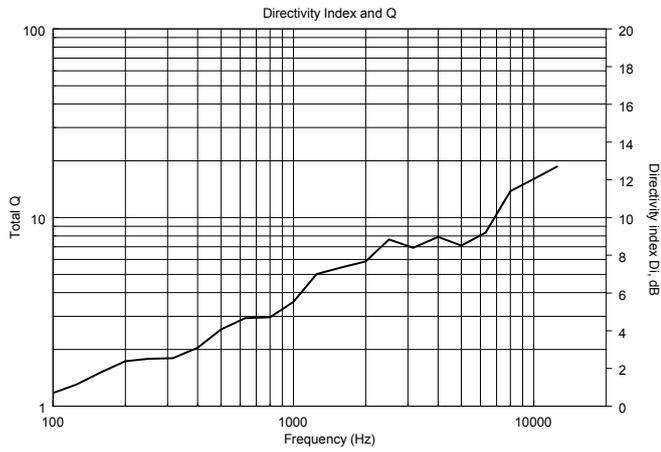
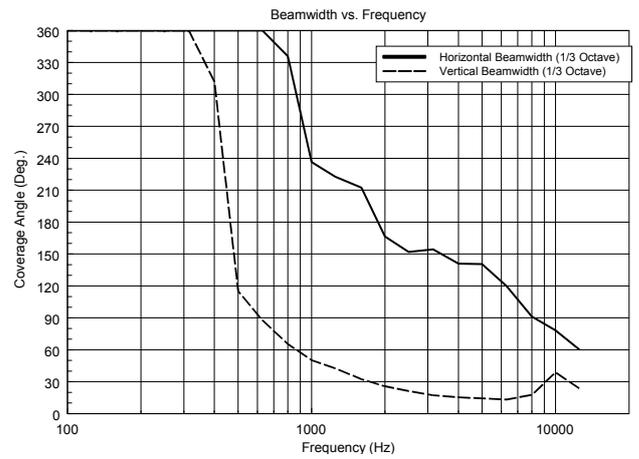
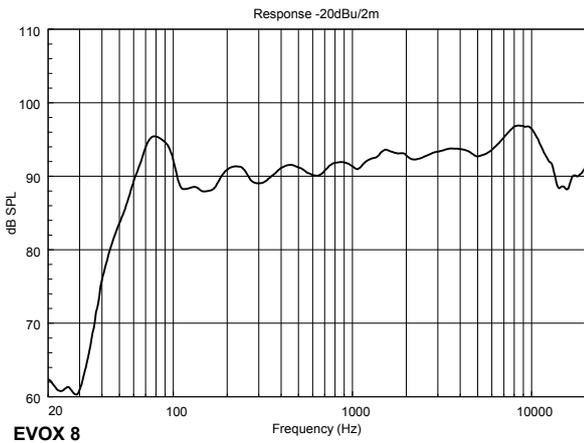
Total Power:	700 Watt
High frequencies:	200 Watt
Low frequencies:	500 Watt
Cooling:	convection
Connection:	VDE connector

### PHYSICAL

Height:	530 mm (20.86")
Width:	346 mm (13.62")
Depth:	459 mm (18.10")
Net Weight:	23.8 kg (50.70 lbs)
Cabinet:	Baltic birch plywood
Hardware:	2 x M6
Handles:	1 top
Pole mount cap	yes
Colour:	Black

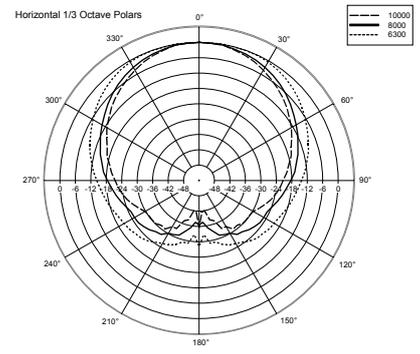
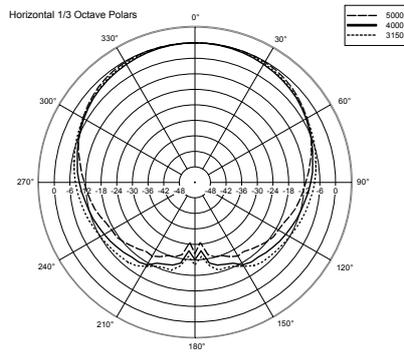
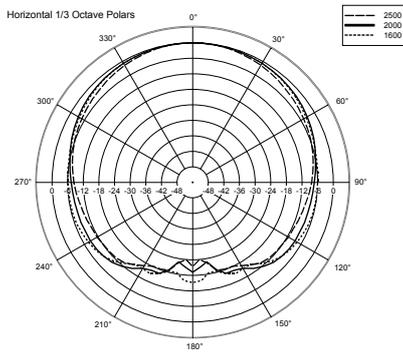
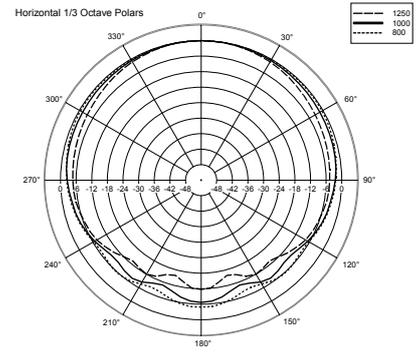
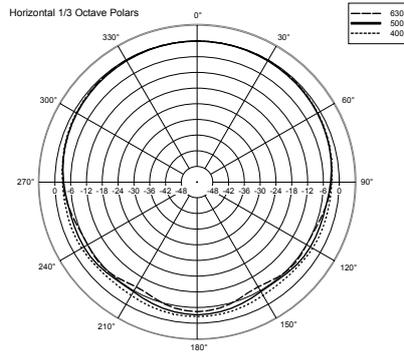
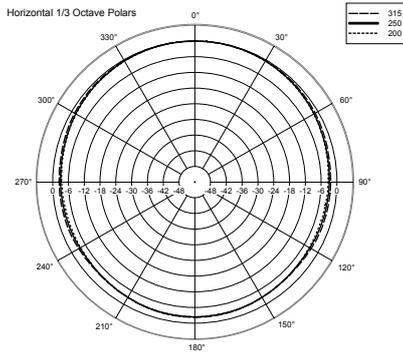


# EVOX 8

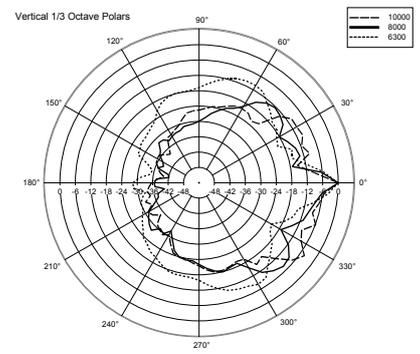
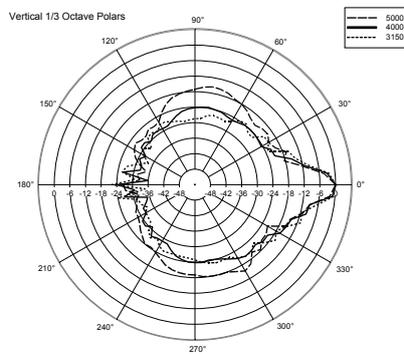
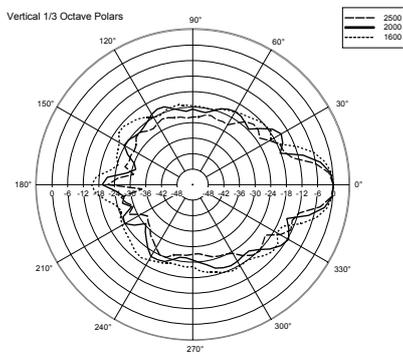
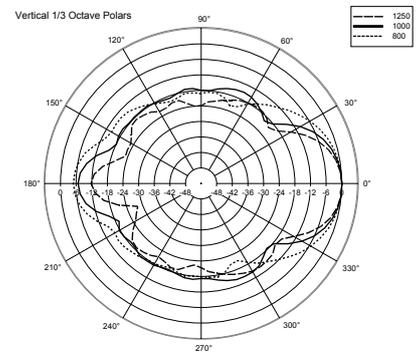
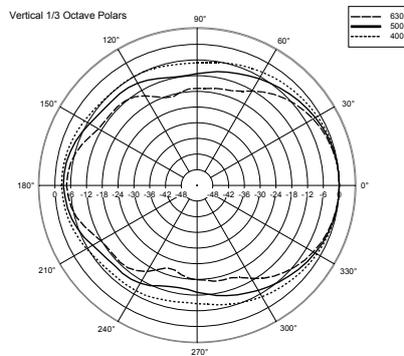
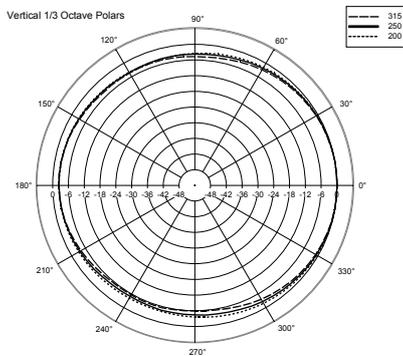


# EVOX 8

## HORIZONTAL 1/3 POLAR PLOT



## VERTICAL 1/3 POLAR PLOT



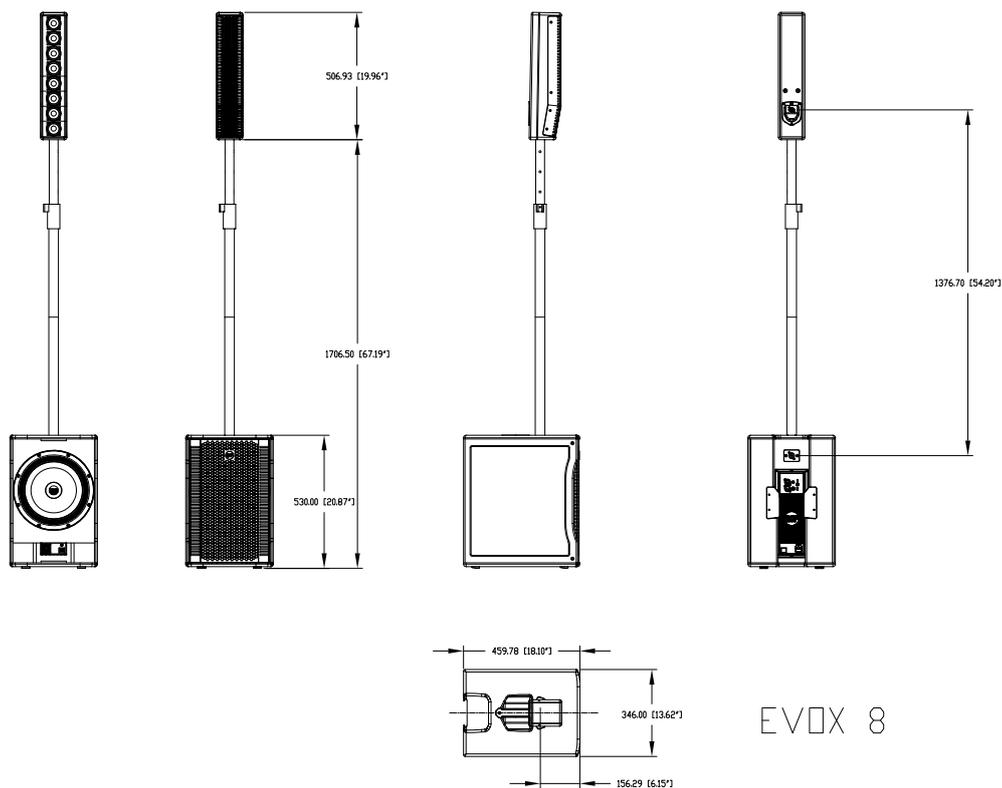
# EVOX 8

## PART NUMBER

13000442 - 230 VOLT

13000443 - 115 VOLT

## DIMENSIONS (All data are in mm)



## ACCESSORIES

EVOX 8 COVER

Protection cover for EVOX 8

EVOX FOLDING KART

Kart for EVOX protection covers