

# 4PRO 5031-A

## ACTIVE TWO-WAY SPEAKER



### MAIN APPLICATIONS

- Sound reinforcement systems
- Band and vocal PA
- DJ PA systems
- Small to medium size venue Main PA

### MAIN FEATURES

- 1200 WATT PEAK, 600 WATT RMS
- 132 dB max spl
- 90 x 60, Wide dispersion constant directivity horn
- 2 x 15" woofer, 2.5" voice coil
- 1" HF driver, 1.7" voice coil

### DESCRIPTION

The 4PRO 5031-A is a self-powered, lightweight two-way full bandwidth loudspeaker system equipped with two 15" woofers and a 1.75" voice coil diaphragm, and a 1,7" voice coil diaphragm, compression driver mounted to a constant directivity horn.

It integrates a 600 Watt digital bi-amplification, a complete electronic processor section and RCF low distortion, high power transducers. The system is compact and extremely linear and offers the typical balanced sound of high level two way systems. The 90° angle is wide enough to provide coverage of an audience when used one per side, yet narrow enough to allow displaying of multiple enclosures without excessive coverage overlap.

The 4PRO 5031-A is the ideal choice when the application requires high performance and simple set-up, perfect for main PA, side fills, night clubs and corporate events.

The new 15" inch, 2,5" voice coil, woofer is the result of the latest refinement in years of RCF experience in compact speaker design and manufacture, resulting in an accurate and a tight extended bass. The compression driver uses a new 1" titanium dome in front of a low compression, optimised geometry, radial phase plug. This innovative design is powered from a high flux neodymium magnet offering extreme precision in high frequency reproduction.

4PRO 5031-A are equipped with a new generation of 600 Watt Digital Amplifier, 400 Watt for the two woofer and 200 Watt for the compression driver. The result of this is very high output, extremely low distortion and an incredible natural sound. The amplifier presents both XLR/jack (Combo) balanced inputs, XLR output link, volume, a switchable EQ Mode (Contour) and a mic/line switch. The amplifier features a solid mechanical aluminium structure which not only stabilize the amplifier during transportation but also assist in the heat dissipation.

The processor section includes active crossover, system equalization, transducer phase alignment, limiter and protection functions. The system is visually monitored from 4 status LEDs. All components are housed in a strong Baltic birch plywood enclosure where high density polystyrene end caps guarantee the maximum strength.

The front is protected from a strong, powder coated, metal grille. The cabinet features two comfortable recessed side handles for easy portability.

### ACOUSTICAL SPECIFICATIONS

Frequency response:	45 Hz- 20 KHz
Max SPL:	132 dB
Horizontal coverage angle:	90°
Vertical coverage angle:	60°
Compression driver:	1", 1.7" v.c.
Midrange:	-
Woofer:	2 x 15", 2,5" v.c.

### INPUT SECTION

Input connector:	Combo XLR-JCK
Output connector:	XLR
Input sensitivity:	-2 dBu / + 4 dBu

### PROCESSOR SECTION

Crossover frequencies:	1650 Hz
Protections:	Themel, RMS
Limiter:	Fast limiter
Controls:	Volume, EQ Shape, Mic/Line

### AMPLIFIER

Power supply:	600 Watt
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High frequencies:	200 Watt
Mid frequencies:	-
Low frequencies:	400 Watt
Cooling:	Convection
Connection:	VDE connector IN/OUT

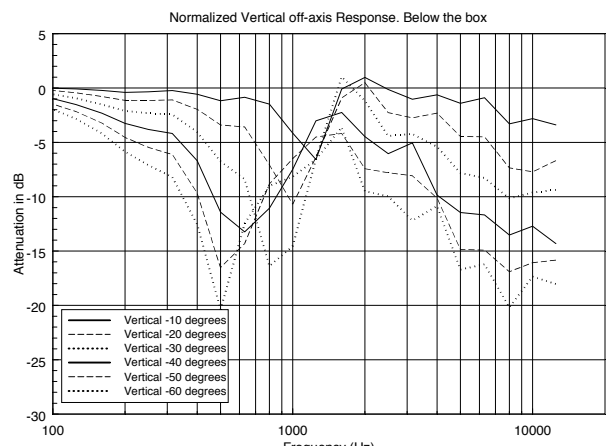
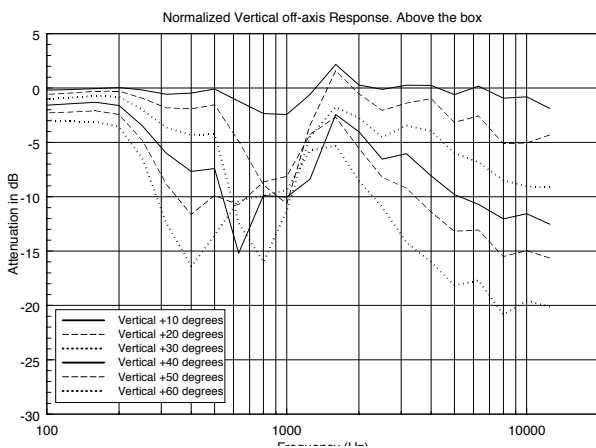
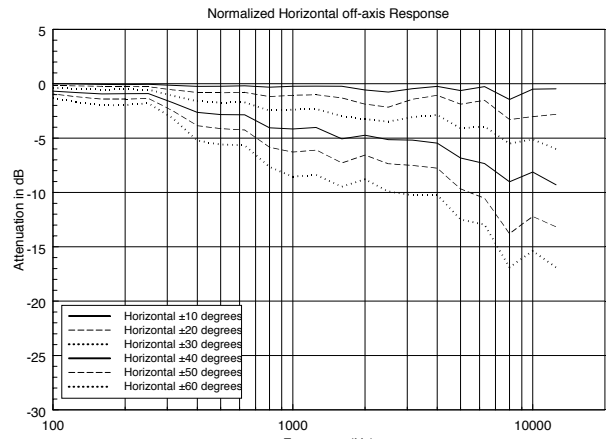
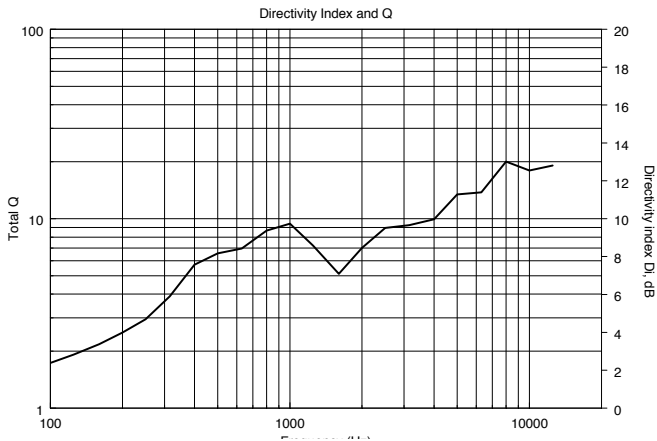
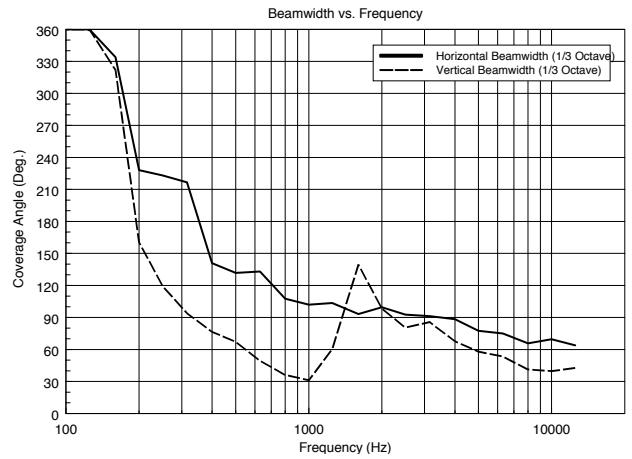
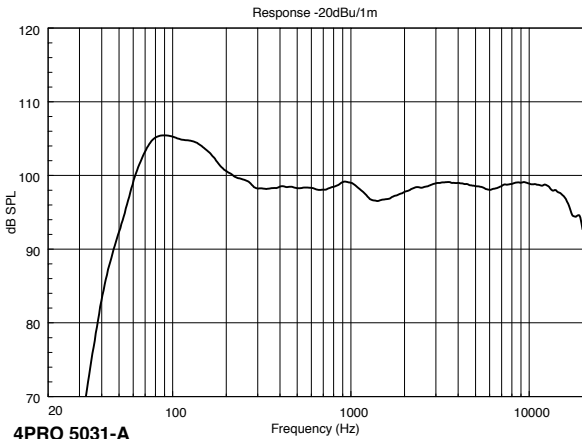
### PHYSICAL

Height:	1094 mm (43.07")
Width:	430 mm (16.92")
Depth:	430 mm (16.92")
Weight:	39.7 Kg (87.52 lbs)
Cabinet:	Baltic Birch
Hardware:	3 x Flytracks

Handles:	2 side
Pole mount cap:	yes
Colour:	Black

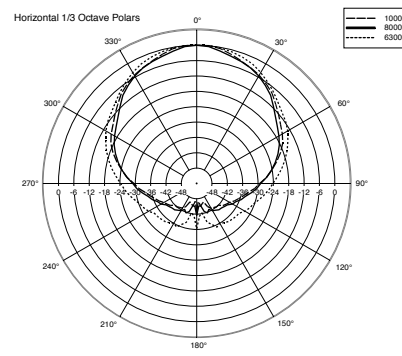
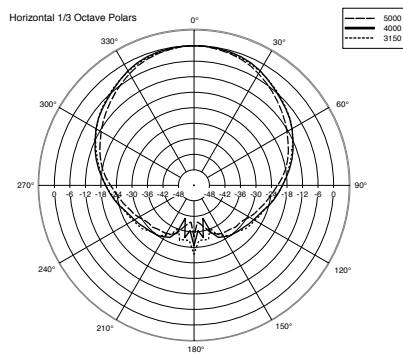
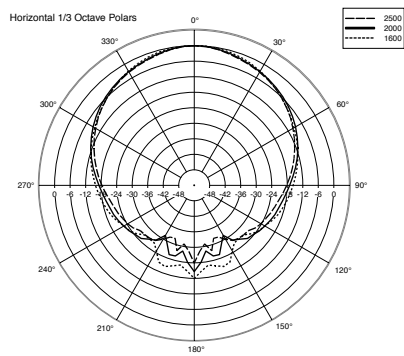
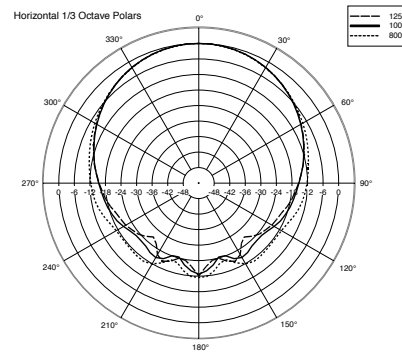
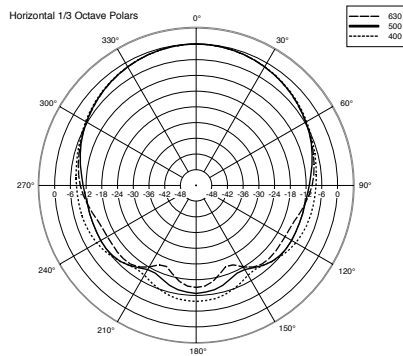
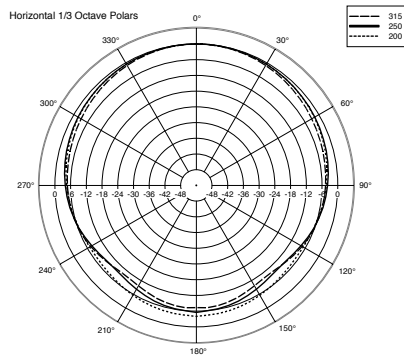


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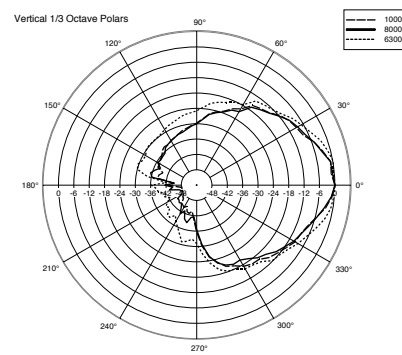
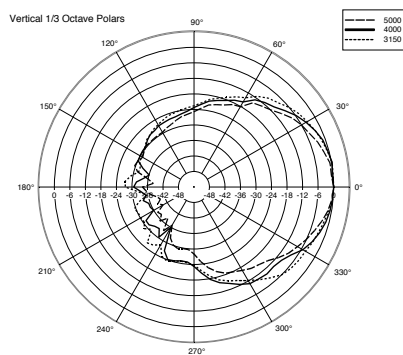
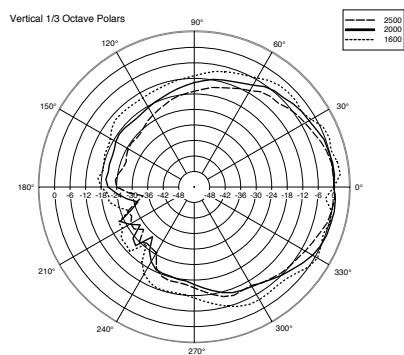
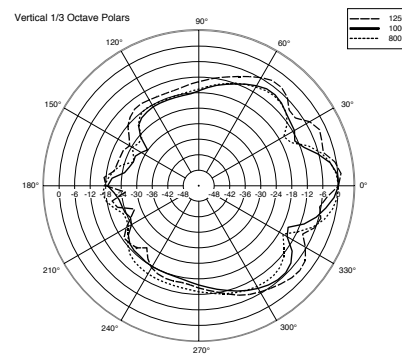
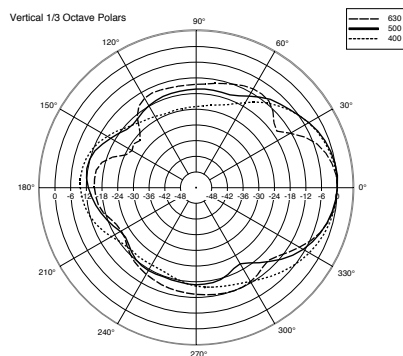
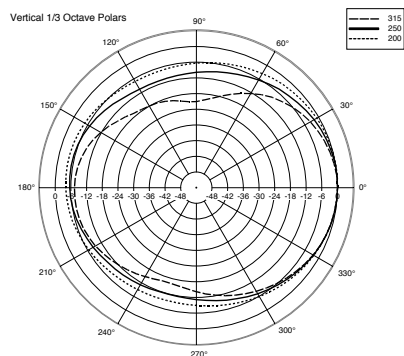


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## HORIZONTAL 1/3 POLAR PLOT



## VERTICAL 1/3 POLAR PLOT



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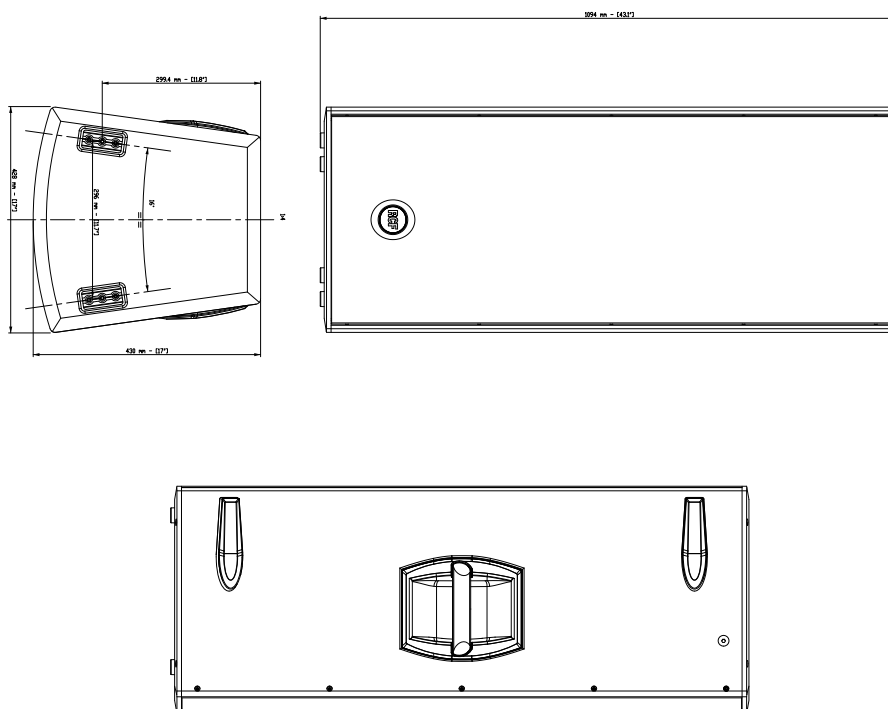
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## PART NUMBERS

13000368 - 230VOLT

13000369 - 115 VOLT

## DIMENSIONS (All data are in mm)



## ACCESSORIES

AC DS4X

4 Hooks Kit