

# artec 300 series



## ARTEC-312.96



### DESCRIPTION

The ARTEC-312.96 is a compact 2-way full-range loudspeaker system comprised of one 12" low frequency transducer and one M-34 compression driver with titanium diaphragm. The rotatable waveguide provides 90° x 60° coverage and allows the systems to be installed in either the vertical or horizontal position maintaining the needed dispersion characteristics.

The Artec-300 cabinets are constructed from Baltic Birch plywood and finished with a durable ISO-flex paint. The trapezoidal enclosure design helps eliminate standing wave coloration and at the same time, permits close-packed horizontal or vertical arrays.

The cabinet is fitted with M10 threaded suspension points. Four VESA75/VESA100 standard threaded mounting points on the rear of the cabinet provide a secure fixing point for DAS mounting brackets.

### KEY FEATURES

- 1 x 12MI low frequency loudspeaker, 2.5" VCD
- 1 x M-34 compression driver
- Rotatable 90° x 60° horn
- Vertical or horizontal positioning
- Optional AXU-AR312 U-Bracket
- M-10 rigging points

### APPLICATIONS

- A/V systems and corporate events
- Meeting rooms, classrooms, and exhibit areas
- Installations in bars and clubs

### SPECIFICATIONS

#### Performance

Frequency Range (-10 dB)	50 Hz - 20 kHz
Horizontal Coverage (-6 dB)	90°
Vertical Coverage	60°
Nominal Impedance	8 ohms
RMS Power Handling	300 W
Peak Power Handling	1200 W
On-axis Sensitivity 1W/1 m	96 dB SPL
Maximum Peak SPL at 1 m	127 dB
Recommended Amplifier	PA-1500
Recommended Processor	DSP-226

#### Connectors

Audio Input Connector	Covered Barrier Strip Terminals
Audio Output Connector	Covered Barrier Strip Terminals

#### Enclosure

Enclosure Construction	Birch Plywood
Enclosure Geometry	Trapezoidal
Rigging	M10 Rigging Points
Finish	ISO-flex Paint
Color	Black
Dimensions ( H x W x D )	615 x 385 x 375 mm 24,2 x 15,2 x 14,8 in
Net Weight	19,0 kg ( 41,9 lb )



## Components

LF Driver	12MI
HF Driver	M-34
Horn/Waveguide	BC-916

## Shipping

Carton Dimensions ( H x W x D )	710 x 450 x 450 mm 28,0 x 17,7 x 17,7 in
Shipping Weight	21,0 kg ( 46,3 lb )

## ORDERING INFORMATION

### Performance

Model	Description	P/N
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### System

ARTEC-312.96	2-way Passive Point Source	10423820
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### Replacement Parts

12MI	Cone Transducer	10214310
BC-916	Horn	30006590
F-AR312.96	Filter	30006576
GM-12MI	Recone Kit	20208290
GM-M34	Diaphragm	20205060
LAMP-F-21	Lamp	30000535
M-34	Compression Driver	10207080

### Accessories

ANL-2	Rigging Accessories	10101020
AX-SPG1	Installation & Stacking Acc.	10105050
AXC-AT	Installation & Stacking Acc.	10104310
AXR-AR5	Installation & Stacking Acc.	10104870
AXU-AR312	Installation & Stacking Acc.	10105090

## DIMENSIONS

