artec 300 series



ARTEC-310.96



DESCRIPTION

The ARTEC-310.96 is a compact 2-way full-range loudspeaker system comprised of one 10" 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. The cabinet is delivered with a U-bracket mount

KEY FEATURES

- ·1 x 10MI low frequency loudspeaker, 2.5" VCD
- ·1 x M-34 compression driver
- · VESA75/VESA100 standard threaded mounting points
- · Rotatable 90° x 60° horn
- · Vertical or horizontal positioning
- · AXU-A310 U-Bracket included

APPLICATIONS

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

SPECIFICATIONS

Frequency Range (-10 dB) 50 Hz - 20 kHz Horizontal Coverage (-6 dB) 90° Vertical Coverage 60° Nominal Impedance 8 ohms RMS Power Handling 1000 W On-axis Sensitivity 1W/1 m 96 dB SPL Maximum Peak SPL at 1 m 126 dB Recommended Amplifier PA-900 Recommended Processor DSP-226 Connectors Audio Input Connector Covered Barrier Strip Terminals Audio Output Connector Covered Barrier Strip Terminals Enclosure Enclosure Construction Enclosure Geometry Rigging M10 Rigging Points Finish ISO-flex Paint Color Black Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in Net Weight 15,5 kg (34,2 lb)	Performance		
Vertical Coverage Nominal Impedance 8 ohms RMS Power Handling 250 W Peak Power Handling 1000 W On-axis Sensitivity 1W/1 m 96 dB SPL Maximum Peak SPL at 1 m 126 dB Recommended Amplifier PA-900 Recommended Processor DSP-226 Connectors Audio Input Connector Audio Output Connector Covered Barrier Strip Terminals Enclosure Enclosure Geometry Trapezoidal Rigging M10 Rigging Points Finish ISO-flex Paint Color Black Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	Frequency Range (-10 dB)	50 Hz - 20 kHz	
Nominal Impedance 8 ohms RMS Power Handling 250 W Peak Power Handling 1000 W On-axis Sensitivity 1W/1 m 96 dB SPL Maximum Peak SPL at 1 m 126 dB Recommended Amplifier PA-900 Recommended Processor DSP-226 Connectors Audio Input Connector Covered Barrier Strip Terminals Audio Output Connector Covered Barrier Strip Terminals Enclosure Enclosure Enclosure Geometry Trapezoidal Rigging M10 Rigging Points Finish ISO-flex Paint Color Black Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	Horizontal Coverage (-6 dB)	90°	
RMS Power Handling 1000 W Peak Power Handling 1000 W On-axis Sensitivity 1W/1 m 96 dB SPL Maximum Peak SPL at 1 m 126 dB Recommended Amplifier PA-900 Recommended Processor DSP-226 Connectors Audio Input Connector Covered Barrier Strip Terminals Audio Output Connector Covered Barrier Strip Terminals Enclosure Enclosure Enclosure Geometry Trapezoidal Rigging M10 Rigging Points Finish ISO-flex Paint Color Black Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	Vertical Coverage	60°	
Peak Power Handling 1000 W On-axis Sensitivity 1W/1 m 96 dB SPL Maximum Peak SPL at 1 m 126 dB Recommended Amplifier PA-900 Recommended Processor DSP-226 Connectors Audio Input Connector Covered Barrier Strip Terminals Audio Output Connector Covered Barrier Strip Terminals Enclosure Enclosure Enclosure Construction Birch Plywood Enclosure Geometry Trapezoidal Rigging M10 Rigging Points Finish ISO-flex Paint Color Black Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	Nominal Impedance	8 ohms	
On-axis Sensitivity IW/I m 96 dB SPL Maximum Peak SPL at 1 m 126 dB Recommended Amplifier PA-900 Recommended Processor DSP-226 Connectors Audio Input Connector Audio Output Connector Covered Barrier Strip Terminals Enclosure Enclosure Enclosure Geometry Trapezoidal Rigging M10 Rigging Points Finish ISO-flex Paint Color Black Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	RMS Power Handling	250 W	
Maximum Peak SPL at 1 m Recommended Amplifier Recommended Processor DSP-226 Connectors Audio Input Connector Audio Output Connector Covered Barrier Strip Terminals Enclosure Enclosure Enclosure Construction Enclosure Geometry Rigging M10 Rigging Points Finish ISO-flex Paint Color Black Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	Peak Power Handling	1000 W	
Recommended Amplifier Recommended Processor DSP-226 Connectors Audio Input Connector Audio Output Connector Covered Barrier Strip Terminals Enclosure Enclosure Enclosure Geometry Rigging M10 Rigging Points Finish ISO-flex Paint Color Black Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	On-axis Sensitivity 1W/1 m	96 dB SPL	
Recommended Processor Connectors Audio Input Connector Audio Output Connector Covered Barrier Strip Terminals Covered Barrier Strip Terminals Enclosure Enclosure Construction Enclosure Geometry Trapezoidal Rigging M10 Rigging Points Finish ISO-flex Paint Color Black Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	Maximum Peak SPL at 1 m	126 dB	
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 Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	Recommended Amplifier	PA-900	
Audio Input Connector Covered Barrier Strip Terminals Audio Output Connector Covered Barrier Strip Terminals Enclosure Enclosure Construction Enclosure Geometry Trapezoidal Rigging M10 Rigging Points Finish ISO-flex Paint Color Black Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	Recommended Processor	DSP-226	
Enclosure Construction Birch Plywood Enclosure Geometry Trapezoidal Rigging M10 Rigging Points Finish ISO-flex Paint Color Black Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	Audio Input Connector		
Enclosure Construction Birch Plywood Enclosure Geometry Trapezoidal Rigging M10 Rigging Points Finish ISO-flex Paint Color Black Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in			
Enclosure Geometry Trapezoidal Rigging M10 Rigging Points Finish ISO-flex Paint Color Black Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	Enclosure		
Rigging M10 Rigging Points Finish ISO-flex Paint Color Black Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	Enclosure Construction	Birch Plywood	
Finish ISO-flex Paint Color Black Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	Enclosure Geometry	Trapezoidal	
Color Black Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	Rigging	M10 Rigging Points	
Depth 345 mm (13,6 in) Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	Finish	ISO-flex Paint	
Dimensions (H x W x D) 610 x 295 x 345 mm 24,0 x 11,6 x 13,6 in	Color	Black	
Dimensions (H x W x D) 24,0 x 11,6 x 13,6 in	Depth	345 mm (13,6 in)	
Net Weight 15,5 kg (34,2 lb)	Dimensions (H x W x D)		
	Net Weight	15,5 kg (34,2 lb)	



Components

LF Driver	10MI	
HF Driver	M-34	
Horn/Waveguide	BC-916	
Shipping Carton Dimensions (H x W x D)	705 x 391 x 416 mm 27,8 x 15,4 x 16,4 in	
Shipping Weight	19,5 kg (43,0 lb)	

ORDERING INFORMATION

Performance		
Model	Description	P/N
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System		
ARTEC-310.96	2-way Passive Point Source	10423812
Replacement Parts		
10МІ	Cone Transducer	20208690
BC-916	Horn	30006590
F-ACT15	Filter	30005082
GM-10MI	Recone Kit	20208421
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
AXF-AR510	Installation & Stacking Acc.	10104810
AXR-AR5	Installation & Stacking Acc.	10104870
AXW-3	Installation & Stacking Acc.	10104850

DIMENSIONS









