



### Features

- 3" Voice Coil
- 1200 Watts Peak Power Handling
- Ferrite Magnetics
- Precision Rectangular Ribbon Wire Geometry
- Die Cast Aluminum Chassis

### Applications

The P Audio E10-300A is a high performance wide bandwidth transducer optimized for use in mid bass frequencies. The E10-300A is an upgraded design that features many of P Audio's new technologies and performance upgrades. The 10 inch (254mm) diameter piston will produce extremely high sound pressure levels at both low and mid band frequencies and is ideal for high level response in both live sound and recorded music venues. The transducer uses high energy ferrite based magnetics to achieve a very high acoustic output to weight ratio. The E10-300A has been optimized for use in two way or three way sound reinforcement systems and has an operating range of 50Hz to 5000Hz.

The E10-300A features a large 3 inch diameter voice coil that provides an AES rated 300 watts of continuous power handling and a full 1200 watts of peak rated power handling when sufficient amplifier headroom is available. The E10-300A utilizes P Audio's Auto Balanced Cooling (ABC) technology to not only improve transducer power handling and reliability but to also increase power compression performance by carefully balancing and directing airflow to critical areas.

The voice coil design is a bobbin wound geometry with P Audio's edge wound rectangular wire technology to improve conversion efficiency and provide a large cross-sectional area for superior cooling.

The transducer chassis is a die cast aluminum design that insures a very high degree of structural integrity.

### Specifications

#### General Specifications

Nominal diameter.....	254 mm/10in
Power rating.....	300 W(AES)
Nominal impedance.....	8Ω
Sensitivity.....	93 dB
Frequency range.....	50-3500 Hz
Chassis type.....	Die Cast
Magnet type.....	Ferrite
Magnet weight.....	1.41 kg/49.7 oz
Voice coil diameter.....	76.2 mm/3 in
Coil material.....	CCA-W
Cone material.....	Paper
Surround material.....	Cloth
X-max.....	4.1 mm/0.16 in
Gap depth.....	.8 mm/0.31 in

#### Thiele Small Parameters

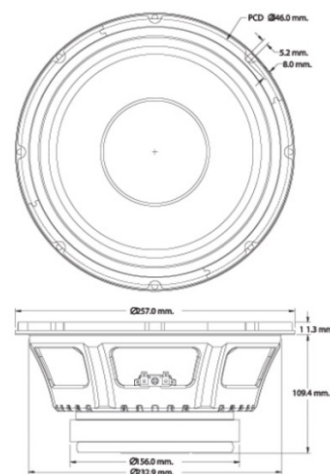
FS.....	73 Hz
Re.....	5.9Ω
Qms.....	6.37
Qes.....	0.65
Qts.....	0.59
Mms.....	38.1 g/1.34 oz
Mmd.....	34.13 g/1.2 oz
Vas.....	23.44 lt/0.83 ft <sup>3</sup>
Bl.....	12.59 Tm
Cms.....	1.3e-04 m/N
Rms.....	2.74 Ns/m
Le (at 1kHz).....	0.49 mH

#### Packing Dimensions

WxDxH (mm).....	270 x 270 x 145
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#### Weight

Net Weight.....	4.8 kg/10.58 lb
Shipping Weight.....	5.1 kg/11.24 lb



#### Frequency Response & Impedance Curve

