

Neodymium Magnet Steel Chassis Driver



Specifications

General Specifications

Nominal diameter.....	305 mm/12 in
Power rating.....	350 W(AES)
Nominal impedance.....	8Ω
Sensitivity.....	95 dB
Frequency range.....	60-3000 Hz
Chassis type.....	Heavy Duty Stamp Steel
Magnet type.....	Neodymium
Magnet weight.....	0.23 kg/8.0 oz
Voice coil diameter.....	76.2 mm/3.0 in
Coil material.....	CCA-W
Former material.....	Kapton
Cone material.....	Paper
Surround material.....	Cloth
Suspension.....	Single
X-max.....	4.4 mm/0.17 in
Gap depth.....	8 mm/0.31 in
Voice coil winding width.....	16.8 mm/0.66 in
Net Weight.....	3.0 kg/6.6 lb
Packing Dimension WxDxH (mm)	335mm x 335mm x 195mm
Shipping Weight.....	3.7 kg/8.2 lb

Small Signal Parameters

Re.....	5.8Ω
Fs.....	64 Hz
Mms.....	50.1 g/1.77 oz
Mmd.....	43.46 g/1.53 oz
Qms.....	6.85
Qes.....	0.55
Qts.....	0.51
Vas.....	44.94 lt/1.59 ft ³
Bl.....	14.66 Tm
Cms.....	1.2e-04 m/N
Rms.....	2.97 Ns/m
Le (at 1kHz).....	0.46 mH

Features

- 3" Voice Coil
- 1400 Watts Peak Power Handling
- Neodymium Magnetics
- Precision Circular Wire Geometry
- Stamped Steel Chassis

Applications

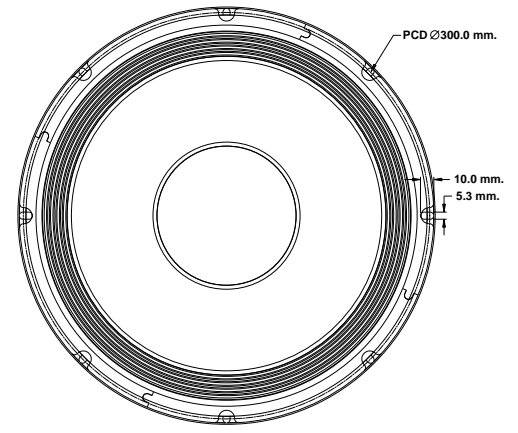
The P Audio E12-350N is a high output full range/mid bass transducer. The E12-350N is an upgraded design that features many of P Audio's new technologies and performance upgrades. The 12 inch (305mm) diameter piston will produce extremely high sound pressure levels at full range frequencies and is ideal for high level full range response in both live sound and recorded music venues. This transducer is ideal when used in a two way system where the E12-350N is the low frequency device. The operating bandwidth of the E12-350N is 60Hz to 3000Hz. The transducer uses very high energy neodymium based magnetics to achieve a very high acoustic output to weight ratio.

The E12-350N employs a medium format 3 inch (76.2mm) diameter voice coil that provides an AES rated 350 watts of continuous power handling and a full 1400 watts of peak rated power handling when sufficient amplifier headroom is available. The E12-350N utilizes P Audio's under damper venting technology to improve transducer air flow and reduce turbulence under the damper and around the voice coil.

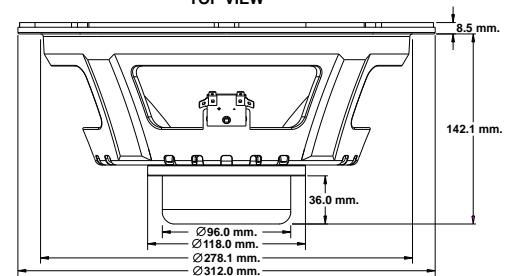
The voice coil design is a bobbin wound geometry with P Audio's precision round wire technology to maximize system conversion efficiency.

The suspension has been designed specifically for high linear displacement and extended low frequency response.

The transducer chassis is a heavy gauge stamped steel design that insures a very high degree of structural integrity.



TOP VIEW



SIDE VIEW

Frequency Response and Impedance Curves

