SINCE 1991

E™ Series

E15-350N

Neodymium Magnet Steel Chassis Driver

Features

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

Applications

The P Audio E15-350N is a high output low frequency transducer. The E15-350N is an upgraded design that features many of P Audio’s new technologies and performance upgrades. The 15 inch (381mm) diameter piston will produce extremely high sound pressure levels and wide band response. The transducer is ideal for high level bass and full range response in both live sound and recorded music venues. The E15-350N is an excellent choice for a low frequency component in a two way system design. The operating bandwidth of the E15-350N is 40Hz to 2000Hz. The transducer uses very high energy neodymium based magnetics to achieve a very high acoustic output to weight ratio.

The E15-350N 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 E15-350N 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.

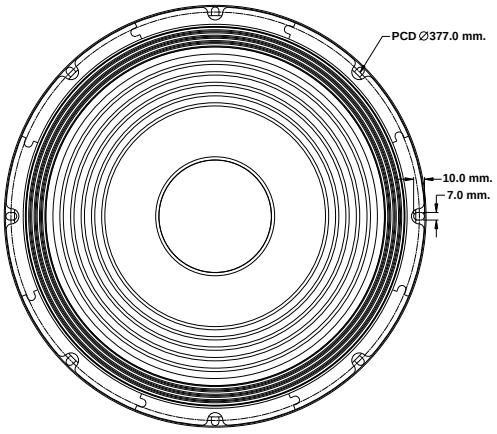
Specifications

General Specifications

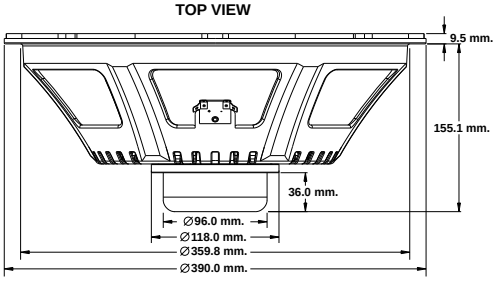
Nominal diameter	381 mm/15 in
Power rating	350 W*(AES)*
Nominal impedance	8Ω
Sensitivity	97 dB
Frequency range	40-2000 Hz
Chassis type	Heavy Duty Stamp Steel
Magnet type	Neodymium
Magnet weight	0.23 kg/8.0 oz
Voice coil diameter	76.2 mm/3.0 in
Coil material	SV-W
Former material	Kapton
Cone material	Paper
Surround material	Cloth
Suspension	Single
X-max	5.25 mm/0.21 in
Gap depth	8 mm/0.31 in
Voice coil winding width	18.5 mm/0.73 in
Net Weight	3.4 kg/7.5 lb
Packing Dimension WxDxH (mm)	430mm x 430mm x 210mm
Shipping Weight	4.4 kg/9.7 lb

Small Signal Parameters

Re	6.5Ω
Fs	40 Hz
Mms	82.7 g/2.92 oz
Mmd	68.36 g/2.41 oz
Qms	6.61
Qes	0.38
Qts	0.36
Vas	201.35 lt/7.11 ft³
Bl	18.84 Tm
Cms	2.0e-04 m/N
Rms	3.12 Ns/m
Le (at 1kHz)	0.78 mH



TOP VIEW



SIDE VIEW

Frequency Response and Impedance Curves