SINCE 1991

E™ Series

E8-200N

Neodymium Magnet Steel Chassis Driver

Features

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

Applications

The P Audio E8-200N is a high performance wide bandwidth transducer optimized for use in mid bass frequencies. The E8-200N is an upgraded design that features many of P Audio’s new technologies and performance upgrades. The 8 inch (203mm) 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 very high energy neodymium magnetics to achieve a very high acoustic output to weight ratio. The E8-200N has been optimized for use in two way or three way sound reinforcement systems and has an operating range of 60Hz to 3000Hz.

The E8-200N features a 2 inch (50.8mm) diameter voice coil that provides an AES rated 200 watts of continuous power handling and a full 800 watts of peak rated power handling when sufficient amplifier headroom is available.

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

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

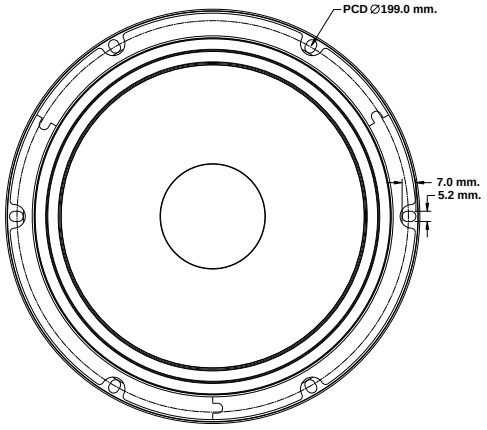
Specifications

General Specifications

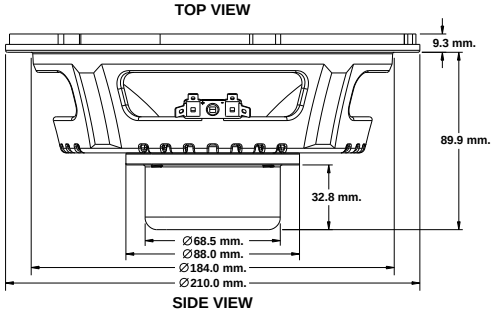
Nominal diameter	203 mm/8 in
Power rating	200 W*(AES)*
Nominal impedance	8Ω
Sensitivity	92 dB
Frequency range	60-3000 Hz
Chassis type	Heavy Duty Stamp Steel
Magnet type	Neodymium
Magnet weight	0.14 kg/5.1 oz
Voice coil diameter	50.8 mm/2.0 in
Coil material	SV-W
Former material	Kapton
Cone material	Paper
Surround material	Cloth
Suspension	Single
X-max	4.75 mm/0.19 in
Gap depth	6 mm/0.24 in
Voice coil winding width	15.5 mm/0.61 in
Net Weight	1.5 kg/3.3 lb
Packing Dimension WxDxH (mm)	225mm x 225mm x 125mm
Shipping Weight	1.9 kg/4.2 lb

Small Signal Parameters

Re	5.9Ω
Fs	73 Hz
Mms	26.3 g/0.93 oz
Mmd	24.53 g/8.87 oz
Qms	2.38
Qes	0.44
Qts	0.37
Vas	11.57 lt/0.41 ft³
Bl	12.78 Tm
Cms	1.8e-04 m/N
Rms	5.10 Ns/m
Le (at 1kHz)	0.47 mH



TOP VIEW



SIDE VIEW

Frequency Response and Impedance Curves