

Ferrite Magnet Die-cast Chassis Driver



Features

- 3.9" Large Format Voice Coil
- 4000 Watts Peak Power Handling
- Active Balanced Cooling
- Integrated Demodulation Rings
- Ferrite Magnetics
- Precision Rectangular Ribbon Wire Geometry
- Die Cast Aluminum Chassis

Applications

The P Audio P150/2226 is a high output low frequency to mid range transducer designed with a vintage voicing. The P150/2226 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 at from low frequencies thru the upper mid range and is ideal for high level two way and three way sound reinforcement systems. The P150/2226 is well suited for both live sound and recorded music venues. The transducer uses high energy ferrite magnetics to achieve a very high acoustic output.

The P150/2226 employs a large 3.9 inch (99.3mm) diameter voice coil and has been upgraded to an AES rated 800 watts of continuous power handling and a full 4000 watts of peak rated power handling when sufficient amplifier headroom is available. The P150/2226 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 bobbin wound geometry with P Audio's rectangular wire technology to improve conversion efficiency and provide a large cross-sectional area for superior cooling.

The transducer employs magnetic flux demodulation devices in the structure to increase fidelity and sonic accuracy. The system suspension has been designed specifically for high linear displacement and extended low frequency response.

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

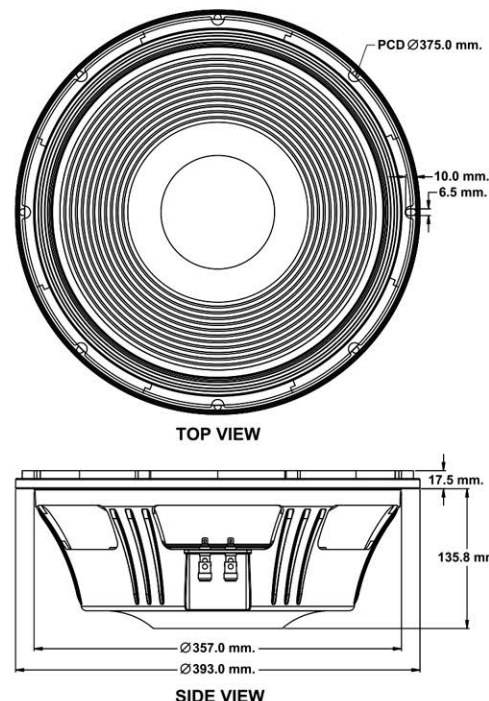
Specifications

General Specifications

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|-------------------------------|--------------------|
| Nominal diameter..... | 381 mm/15 in |
| Power rating..... | 800 W(AES) |
| Nominal impedance..... | 8Ω |
| Sensitivity..... | 97 dB |
| Frequency range..... | 40-2000 Hz |
| Chassis type..... | Cast aluminum |
| Magnet type..... | Ferrite |
| Magnet weight..... | 2.85 kg/100.6 oz |
| Voice coil diameter..... | 99.3 mm/3.9 in |
| Coil material..... | AL-R |
| Former material..... | Glass fiber |
| Cone material..... | Paper |
| Surround material..... | Cloth |
| Suspension..... | Single |
| X-max..... | 5.5 mm/0.22 in |
| Gap depth..... | 8 mm/0.31 in |
| Voice coil winding width..... | 19 mm/0.75 in |
| Net Weight..... | 10.4 kg/22.9 lb |
| Packing Dimension WxDxH..... | 430 x 430 x 200 mm |
| Shipping Weight..... | 11.4 kg/25.1 lb |

Small Signal Parameters

| | |
|-------------------|--------------------------------|
| Re..... | 5.3Ω |
| Fs..... | 43.0 Hz |
| Mms..... | 100.85 g/3.56 oz |
| Mmd..... | 85.12 g/3.00 oz |
| Qms..... | 6.21 |
| Qes..... | 0.35 |
| Qts..... | 0.33 |
| Vas..... | 161.66 lt/5.71 ft ³ |
| Bl..... | 20.14 Tm |
| Cms..... | 1.4e-04 m/N |
| Rms..... | 4.29 Ns/m |
| Le (at 1kHz)..... | 0.63 mH |
| Sd..... | 908 cm ² |



Frequency Response and Impedance Curves

