

Neodymium Magnet Compression Driver



Specifications

General Specifications

Power rating.....	50 W(AES)
Nominal impedance.....	8Ω
Sensitivity.....	106 dB
Frequency range.....	1200-20000 Hz
Recommended min. crossover (12dB/oct).....	1500 Hz
Voice coil diameter.....	44.4mm/1.75 in
Voice coil material.....	AL-R
Magnet type.....	Neodymium
Diaphragm and surround material	Titanium
Net Weight.....	0.8 kg/1.76 lb
Packing Dimension WxDxH(mm)...	290mm x290mm x270mm
Shipping Weight (36 Pcs).....	30 kg/66.2 lb

Features

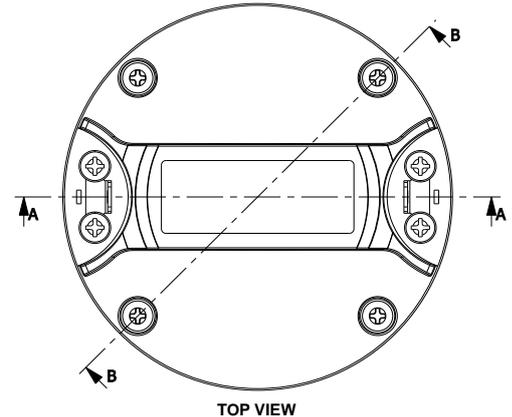
- Medium Format Wide Bandwidth Compression Driver
- 1" Exit Diameter
- 200 Watts Peak Power Handling
- Pure Titanium Based 1.75" Diaphragm Diameter
- Bolt On Mounting
- Neodymium Magnetics

Applications

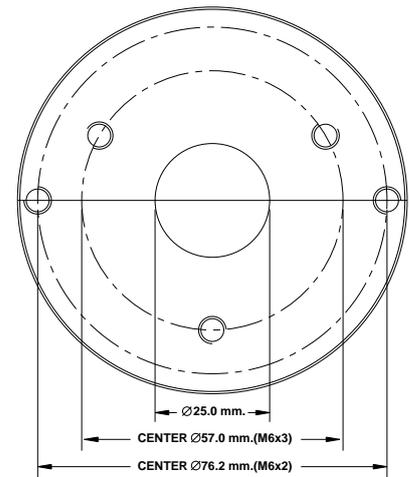
The P Audio SD-44BN is a medium format compression driver that utilizes a precision formed diaphragm assembly. The titanium diaphragm is precision formed to insure excellent consistency and performance. The diaphragm assembly is close spaced to a precision phase plug to insure excellent acoustic loading. The SD-44BN has an operating range of 1200Hz to 20000Hz and is ideally suited for two way and three way high frequency applications in professional sound reinforcement systems.

The SD-44BN is a neodymium based magnetic system with an industry standard 1 inch (25.4mm) exit diameter. The mounting configuration is a standard "bolt on" style. P Audio offers a wide variety high frequency horns that will provide excellent pattern control and acoustic loading for the SD-44BN. The uses of neodymium magnetics allows the SD-44BN to be used in "close spaced" array designs such as modern high output line arrays.

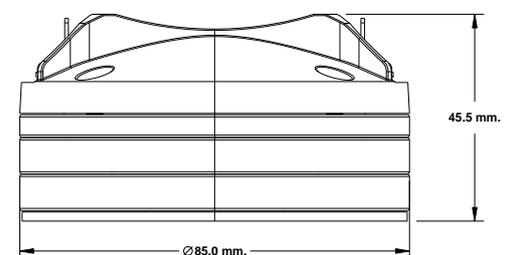
The diaphragm assembly is a 1.75 inch (44.4mm) diameter commercially pure titanium design and utilizes P Audio's very high temperature adhesive systems and precision manufacturing to insure high power handling and reliability. The construction yields a full 50 watts of power handling capacity. The larger diaphragm diameter (1.75 inch) provides superior mid band response and is an excellent choice for medium power professional sound reinforcement systems.



TOP VIEW



BOTTOM VIEW



FRONT VIEW

Frequency Response and Impedance Curves

