



Features

- 3" Voice Coil
- 1600 Watts Peak Power Handling
- Active Balanced Cooling
- Ferrite Magnetics
- Precision Circular Wire Geometry
- Die Cast Aluminum Chassis

Applications

Under The P.Audio 15BM-400B is a high output wide bandwidth transducer. The 15BM-400B is a highly 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 both low and mid band frequencies and is ideal for high level response in both live sound and recorded music venues. The transducer has a rated bandwidth of 40Hz to 3000Hz. The transducer uses high energy ferrite magnetics to achieve a very high acoustic output to weight ratio. The 15BM-400B has been optimized for use in two way or three way sound reinforcement systems.

The 15BM-400B employs a medium format 3 inch (76.2mm) diameter voice coil that provides an AES rated 400 watts of continuous power handling and a full 2000 watts of peak rated power handling when sufficient amplifier headroom is available. The 15BM-400B 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 a bobbin wound geometry with P.Audio's circular wire technology in an inside/outside geometry to insure very high conversion efficiency. The P.Audio circular wire technology and inside/outside winding configuration provides a very large cross-sectional area that substantially improves system cooling and reduces power compression.

The system suspension has been designed specifically for high linear displacement and extended low frequency response. The 15BM-500B also features a single spider configuration that provides system reliability and mechanical control.

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

Specifications

General Specifications

Nominal diameter.....	381 mm/15 in
Power rating.....	400 W(AES)
Nominal impedance.....	8Ω
Sensitivity.....	97 dB
Frequency range.....	40-3000 Hz
Chassis type.....	Cast aluminum
Magnet type.....	Ferrite
Magnet weight.....	81.4 oz
Voice coil diameter.....	76.2 mm/3 in
Coil material.....	SV-W
Cone material.....	Paper
Surround material.....	Cloth
X-max.....	4.25 mm
Gap depth.....	10 mm

Thiele Small Parameters

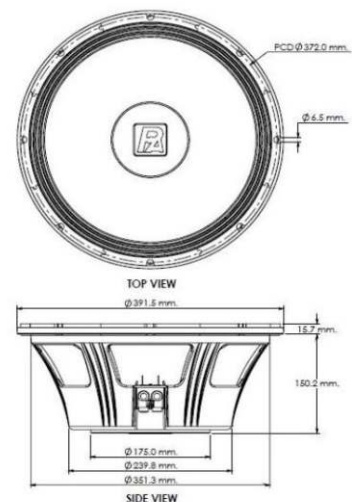
FS.....	46 Hz
Re.....	5.4Ω
Qms.....	11.21
Qes.....	0.38
Qts.....	0.37
Mms.....	88.39 g
Mmd.....	73.35 g
Vas.....	147.62 lt
Sd.....	881.4 cm ²
Bl.....	19.1 Tm
Cms.....	1.4e-04 m/N
Rms.....	2.29 Ns/m
Le (at 1kHz).....	0.63 mH

Packing Dimensions

WxDxH (mm).....	415 x 415 x 220
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Weight

Net Weight.....	8.1 kg
Shipping Weight.....	9.5 kg



Frequency Response & Impedance Curve

