

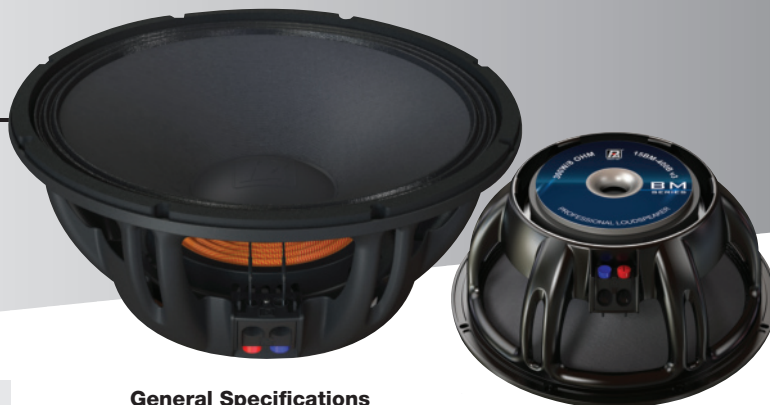
**BM
SERIES**

15BM-400B V3

Ferrite Magnet Die-cast Chassis Driver

Features

- 3" Voice coil
- 600 Watts Continuous program power capacity
- Ferrite magnetics
- Precision circular wire geometry
- Die cast aluminum chassis



The P.Audio 15BM-400B V3 is a high output wide bandwidth transducer. The 15BM-400B V3 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 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 45Hz to 3500Hz. The transducer uses high energy ferrite magnetics to achieve a very high acoustic output to weight ratio. The 15BM-400B V3 has been optimized for use in two way or three way sound reinforcement systems.

The 15BM-400B V3 employs a medium format 3 inch (76.2mm) diameter voice coil that provides an AES rated 300 watts of continuous power handling and a full 1200 watt of peak rated power handling when sufficient amplifier headroom is available. The 15BM-400B V3 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 precision circular wire technology to insure high conversion efficiency.

The system suspension has been designed specifically for high linear displacement and extended low frequency response. The 15BM-400B V3 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

General Specifications

| | |
|-----------------------------------|------------------|
| Nominal Diameter | 381 mm (15 in) |
| Nominal Impedance | 8 Ω |
| Nominal Power Handling | 300 W(AES) |
| Continuous Program Power Capacity | 600 W |
| Sensitivity | 97 dB |
| Frequency Range | 45-3500 Hz |
| Voice Coil Diameter | 76.2 mm (3.0 in) |
| Voice Coil Material | Copper |
| Former Material | Kapton |
| Effective Piston Diameter | 331 mm (13.0 in) |
| Flux Density | 1.2T |

Physical Information

| | |
|-----------------------|-----------------|
| Magnet Material | Ferrite |
| Basket Material | Aluminium |
| Surround Material | Cloth |
| Cone Material | Paper |
| Dust Cap Material | Paper |
| Spider Material | Cotton (Single) |
| Gasket | EVA |
| Pole Design | T-Pole |
| Woofer Cone Treatment | No Treatment |

Parameters

| | | | |
|-----|----------|-----------------------|---------------------|
| Fs | 48 Hz | Vas | 123.35 lt |
| Re | 5.7 Ω | Sd | 855 cm ² |
| Qms | 5.39 | Le | 0.44 mH |
| Qes | 0.43 | Eff (η ₀) | 3.09% |
| Qts | 0.40 | Cms | 1.2 e-04 m/N |
| BL | 19.19 Tm | Xmax | 3.9 mm |
| Mms | 92.19 g | Hag | 9.0 mm |
| Mmd | 77.81 g | Hvc | 16.8 mm |

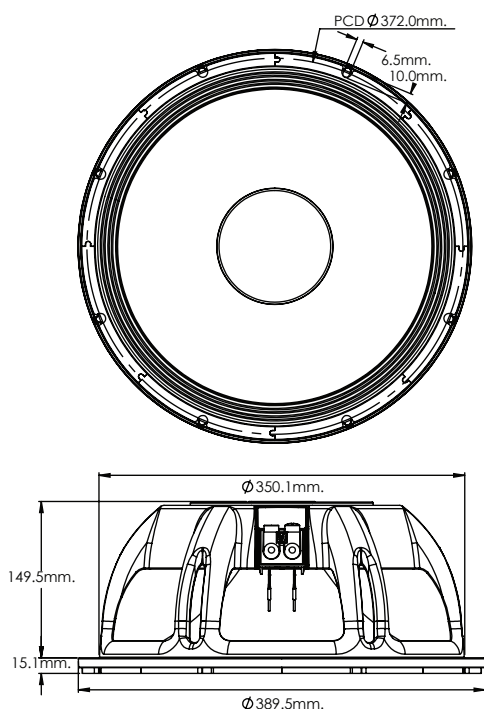
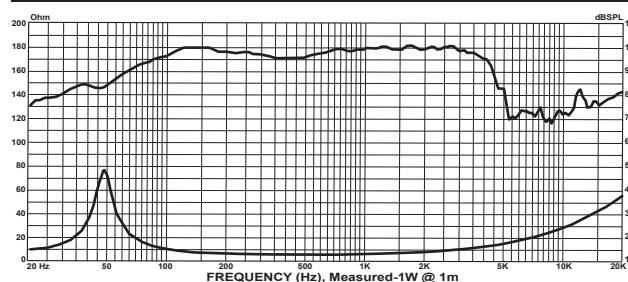
Mounting and Shipping Info

| | |
|-----------------------------|--------------------|
| Diameter | 391.5 mm (15.4 in) |
| Baffle Cutout Diameter | 353.4 mm (13.9 in) |
| Mounting Hole Diameter | 372 mm (14.6 in) |
| Bolt Circle Diameter | 8 x Ø 6.5 mm |
| Depth | 150.8mm (5.9 in) |
| Flange and Gasket Thickness | 15.6 mm (0.61 in) |
| Net Weight | 8 kg |
| Shipping Units | 1 |
| Shipping Weight | 9 kg |
| Shipping Box | 430 x 430 x 220 mm |

Recone Kit

Model Number

Frequency response and Impedance curve



STH PROFESSIONAL AUDIO CO.,LTD.

AIA Sathorn Tower, unit 1607-1608, 16th floor, No.11/1, South Sathorn Road, Yannawa, Sathorn, Bangkok 10120

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