

**BM  
SERIES**

# 15BM-300B 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



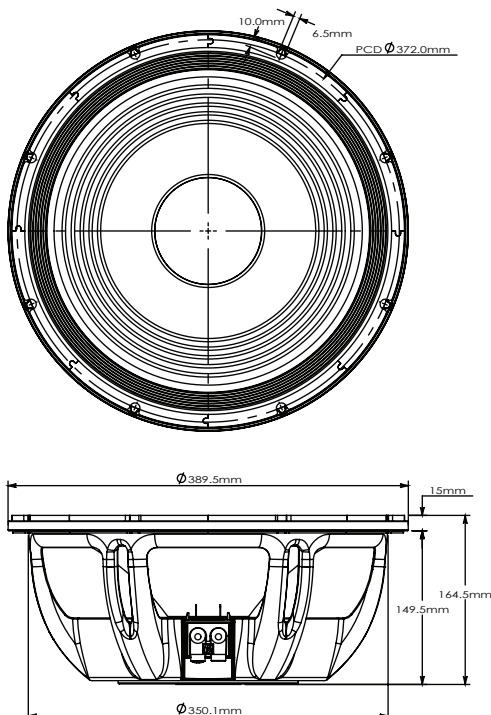
The P.Audio 15BM-300B V3 is a high output wide bandwidth transducer. The 15BM-300B V3 is an upgraded design that features many of P.Audio's new technologies and performance upgrades. The 15 inch (381mm) diameter piston will produce extremely high sound pressure levels at both low and mid band frequencies 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-300B V3 has been optimized for use in two way or three way sound reinforcement systems.

The 15BM-300B 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-300B 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-300B 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	CCA-W
Former Material	Glass fiber
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 <sup>2</sup>
Qms	5.39	Le	0.44 mH
Qes	0.43	Eff (η <sub>0</sub> )	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

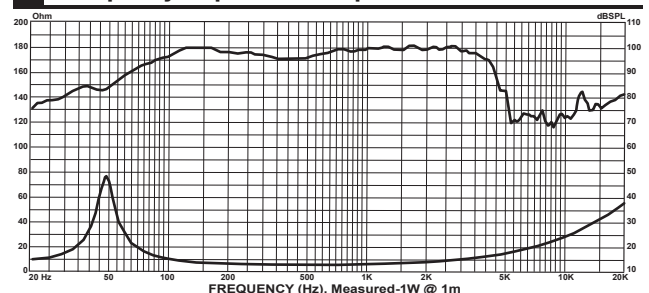
## Mounting and Shipping Info

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

F05031512201PAA

## Frequency response and Impedance curve



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