

**FT
SERIES**

12FT-88MB

Ferrite Magnet Die-cast Chassis Driver

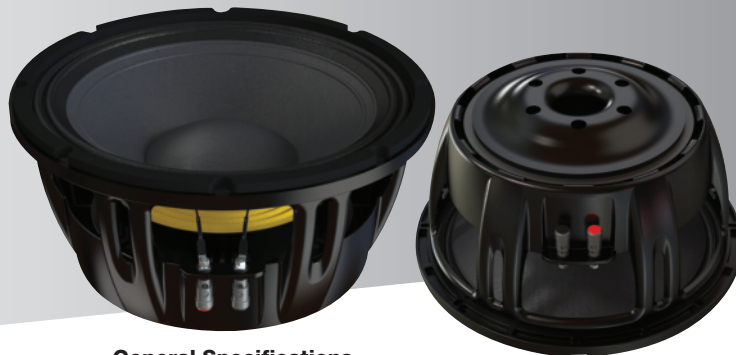
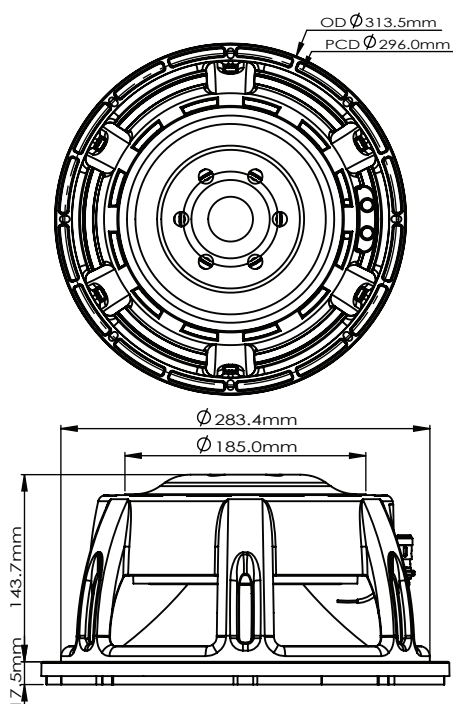
Features

- 3.5" Voice coil high temperature
- 1400 Watts Continuous program power capacity
- Ferrite magnetics
- Precision rectangular wire geometry
- Die cast aluminum chassis
- Integrated double demodulation ring
- Weather protected cone

Applications

- 12" Ferrite ultra low distortion midrang driver for use in high power lineary and fixed installation professional loudspeaker enclosures

The P Audio 12FT-88MB is a high output wide bandwidth transducer. The 12FT-88MB is an upgraded design that features many of P Audios new technologies and performance upgrades. The 12 inch (305mm) 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 4000Hz. The transducer uses high energy ferrite magnetics to achieve a very high acoustic output to weight ratio. The 12FT-88MB has been optimized for use in two way or three way sound reinforcement systems. The 12FT-88MB employs a medium format 3.5 inch (88.9mm) diameter voice coil that provides an AES rated 1400 watts of continuous program power capacity and a full 2800 watts of peak rated power handling when sufficient amplifier headroom is available. The 12FT-88MB 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 rectangular wire technology to insure high conversion efficiency. The system suspension has been designed specifically for high linear displacement and extended low frequency response. The 12FT-88MB 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	305 mm (12 in)
Nominal Impedance	8 Ω
Nominal Power Handling	700 W(AES)
Continuous Program Power Capacity	1400 W
Sensitivity	97 dB
Frequency Range	45-4000 Hz
Voice Coil Diameter	88.9 mm (3.5 in)
Voice Coil Material	Flat aluminium wire
Former Material	Kapton
Effective Piston Diameter	261.0 mm (10.3 in)
Flux Density	1.3T

Physical Information

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

Parameters

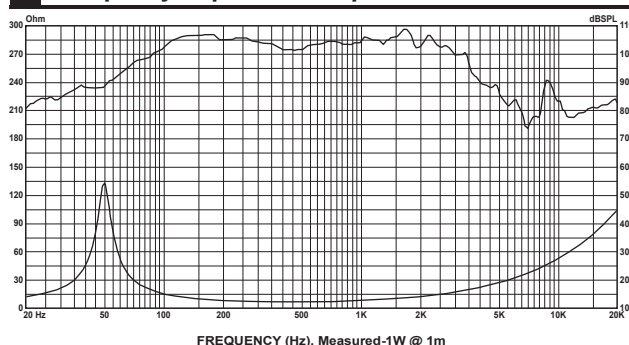
Fs	49 Hz	Vas	65.71 lt
Re	6.3 Ω	Sd	530.9 cm ²
Qms	6.31	Le	0.83 mH
Qes	0.31	Eff (η_0)	2.48%
Qts	0.29	Cms	1.6 e-04 m/N
BL	19.79 Tm	Xmax	4.75 mm
Mms	62.11 g	Hag	9.5 mm
Mmd	55.08 g	Hvc	19 mm

Mounting and Shipping Info

Diameter	313.2 mm (12.3in)
Baffle Cutout Diameter	283.4 mm (11.2 in)
Mounting Hole Diameter	296.0 mm (11.7 in)
Bolt Circle Diameter	8 x \varnothing (9.0x6.0 mm)
Depth	139.7 mm (5.5 in)
Flange and Gasket Thickness	14.5 mm (0.57 in)
Net Weight	9.2 kg / 20.24 lb
Shipping Units	1
Shipping Weight	10.23 kg / 22.44 lb
Shipping Box	335 x 335 x 210 mm

Recone Kit	Model Number
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Frequency response and Impedance curve



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