

**FT
SERIES**

12FT-100MB

Ferrite Magnet Die-cast Chassis Driver

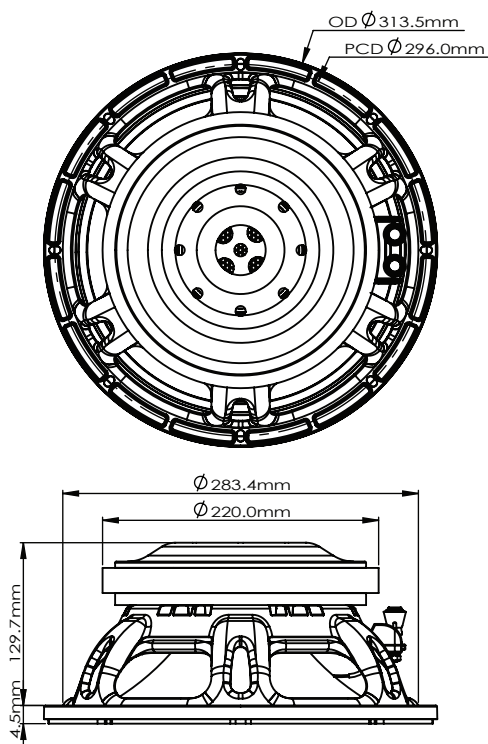
Features

- 4" Voice coil high temperature
- 1200 Watts continuous program power capacity
- Ferrite magnetics
- Precision rectangular wire geometry
- Die cast aluminum chassis
- Integrated double demodulation ring

Applications

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

The P Audio 12FT-100MB is a high output wide bandwidth transducer. The 12FT-100MB is an upgraded design that features many of P Audio's 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 70Hz to 2500Hz. The transducer uses high energy ferrite magnetics to achieve a very high acoustic output to weight ratio. The 12FT-100MB has been optimized for use in two way or three way sound reinforcement systems. The 12FT-100MB employs a medium format 4 inch (99.3mm) diameter voice coil that provides an AES rated 1200 watts of continuous program power capacity and a full 2400 watts of peak rated power handling when sufficient amplifier headroom is available. 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 12FT-100MB 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	600 W(AES)
Continuous Program Power Capacity	1200 W
Sensitivity	97 dB
Frequency Range	70-2500 Hz
Voice Coil Diameter	99.3 mm (4 in)
Voice Coil Material	Flat aluminium wire
Former Material	Kapton
Effective Piston Diameter	260.7mm (10.3 inch)
Flux Density	1.1 T

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	Straight Pole
Woofer Cone Treatment	No Treatment

Parameters

Fs	73 Hz	Vas	26.08 lt
Re	6.2 Ω	Sd	531 cm ²
Qms	9.97	Le	0.75 mH
Qes	0.53	Eff (η_0)	1.90%
Qts	0.50	Cms	6.5 e-05 m/N
BL	19.68 Tm	Xmax	5.75 mm
Mms	71.62 g	Hag	9.5 mm
Mmd	64.58 g	Hvc	21.0 mm

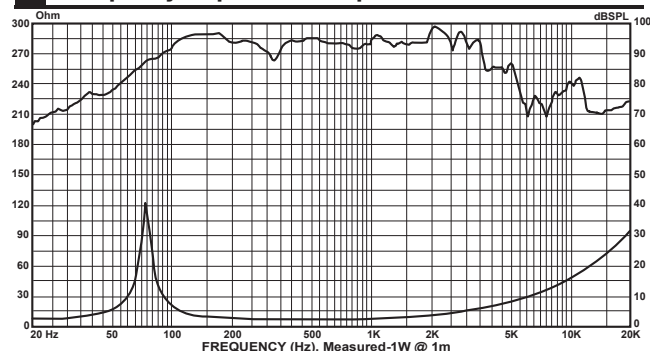
Mounting and Shipping Info

Diameter	313.5 mm (12.3 in)
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	129.7 mm (5.1 in)
Flange and Gasket Thickness	14.5 mm
Net Weight	9.8 kg
Shipping Units	1
Shipping Weight	N/A
Shipping Box	340 x 340 x 203 mm

Recone Kit

Model Number

Frequency response and Impedance curve



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