

**FT
SERIES**

19FT-125XB

Ferrite Magnet Die-cast Chassis Driver

Features

- 5" voice coil
- 3000 watts continuous program power capacity
- Active Auto Balance Cooling
- Ferrite magnetics
- Copper wire inside/outside coil design
- Double silicone suspension
- Die cast aluminum chassis
- Integrated double demodulation ring
- Weather protected cone

Applications

- 19" Ferrite ultra low distortion woofer for high level subwoofer application in bass reflex/horn loaded enclosures

The P Audio 19FT-125XB is an 19 inch (512 mm) diameter high performance very low frequency sub woofer transducer. The design utilizes a very large format 5 inch (127mm) nominal voice coil diameter with a very high power copper based coil configured in an inside/outside wind geometry. The large radiating area and deep bass performance insure that the 19FT-125XB is capable of very high impact low frequency response. The transducer also offers a double silicone spider design that improves long term mechanical reliability and mechanical linearity. The large format ferrite based magnet structure produces very high conversion efficiency. The ferrite design includes a double stack permanent magnet geometry that increases maximum physical excursion capability. Inside/outside winding geometry assists in coil cooling and improves both transducer power handling and system reliability. The 19FT-125XB also features a very long air gap height that improves transducer linearity. The design features very large diameter silicone impregnated spiders to insure long term linearity. The 19FT-125XB also incorporates a proven double spider design that effectively controls off axis displacement of the coil assembly. The silicone impregnated spiders and very high system power handling will insure excellent long term performance. The cone is waterproof to improve reliability in high humidity environments. Coating keeps the cone rigid and waterproof during operation. The 19FT-125XB offers very smooth and controlled amplitude response and has a recommended high frequency limit of 150Hz. The rated low frequency limit of 30Hz will insure excellent low frequency extension and very deep bass response. The 19FT-125XB is an excellent choice for high output sub woofer system designs where extended deep bass energy is specified. The design also features a very high strength to weight ratio cone design. The 19FT-125XB is ideally suited to vented enclosure designs and can be coupled with a wide range of top box enclosures. The 19FT-125XB features an aluminum die cast chassis that includes P Audio's "Auto Balanced Cooling" design that minimizes coil and magnet structure heating, and further improves system performance. The AES rate 3000 watts of continuous program power capacity and offers a peak power handling rating of 6000 watts when sufficient amplifier headroom is available.



General Specifications

Nominal Diameter	483 mm (19 in)
Nominal Impedance	8 Ω
Nominal Power Handling	1500 W(AES)
Continuous Program Power Capacity	3000 W
Sensitivity	97 dB
Frequency Range	40-1000 Hz
Voice Coil Diameter	126 mm (5 in)
Voice Coil Material	EISVV (IN+OUT)
Former Material	Glass fiber
Effective Piston Diameter	444.5 mm (17.5 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 (Double Silicone)
Gasket	EVA
Pole Design	T-Pole
Woofer Cone Treatment	Waterproof Front Side

Parameters

Fs	44 Hz	Vas	139.45 lt
Re	5.2 Ω	Sd	1555 cm ²
Qms	9.29	Le	1.26 mH
Qes	0.53	Eff (η ₀)	2.19%
Qts	0.5	Cms	4.0 e-05 m/N
BL	29.54Tm	Xmax	10.0 mm
Mms	319.78 g	Hag	14.0 mm
Mmd	284.52 g	Hvc	34.0 mm

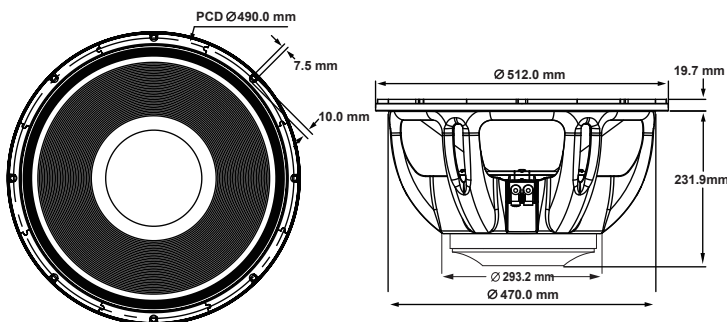
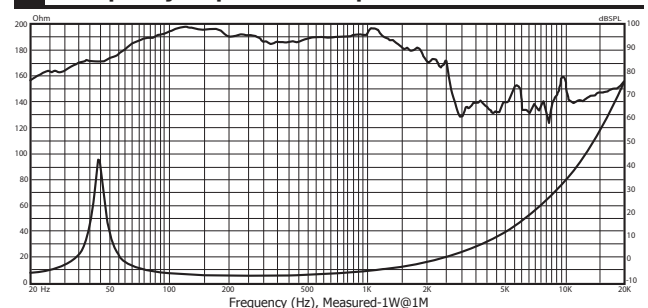
Mounting and Shipping Info

Diameter	512.0 mm (20.1 in)
Baffle Cutout Diameter	472.0 mm (18.5 in)
Mounting Hole Diameter	490.0 mm (19.2 in)
Bolt Circle Diameter	8 x Ø (10x7.5) mm
Depth	232.1mm (9.1 in)
Flange and Gasket Thickness	20.7 mm (0.81 in)
Net Weight	24.2 kg
Shipping Units	1
Shipping Weight	28.7 kg
Shipping Box	550 x 550 x 310 MM

Recone Kit

Model Number

Frequency response and Impedance curve

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