



Specifications

GENERAL SPECIFICATIONS

Nominal Impedance	8 Ω
Power	600 Watt (rms)
SPL 1W@1M average sensitivity	96 dB
Frequency Response	60Hz - 3000Hz
Dimension \varnothing x H (cm)	31.2 x 13.8
Net Weight	5.04 kg (11.09bs)
Shipping Weight	5.70 kg (12.54 lbs)
Packing Dimension H x W x D (cm)	35 x 35 x 19cm
	13.8" x 13.8" x 7.5"

PHYSICAL SPECIFICATIONS

Magnet type	Ferrite
Voice Coil Diameter	76.2 mm (3 inch)

THIELE/SMALL PARAMETERS

Resonance Frequency	Fs	55 Hz
DC Resistance	Re	5.3 Ω
Coil Inductance	Le	0.63 mH
Mechanical Q Factor	Qms	4.11
Electrical Q Factor	Qes	0.58
Total Q Factor	Qts	0.491
BL Product	BL	11.46 Tm
Effective Moving Mass	Mms	40.351 g
Equivalent Cas Air-Load	Vas	84.35 Liters
Effective Piston Area	Sd	0.053 Sqm
Half-Space Efficiency	Eff	2.378 %
Airgap Height	Hag	8.0 mm
Voice Coil Height	Hvc	16.0 mm
Voice Coil Overhang	Xmax	4.0 mm

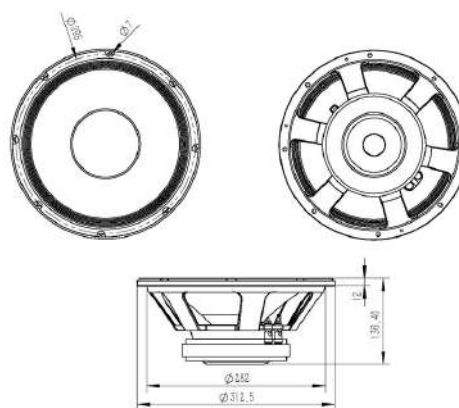
Applications

PF-1203B

The PF-1203B has been designed specifically for both direct radiator and horn loaded mid bass applications. This PF Series design has been optimized for use in the critical 60Hz to 3000Hz vocal range and is an ideal choice for professional level three way designs. A typical 12 inch design must offer both good bandwidth, down to 60Hz, and good efficiency. The PF-1203B has all of its performance designed into the 125Hz and above range. This means that the efficiency can be optimized for this frequency range. High efficiency means that lower electrical power levels are required, thus improving both system reliability and reducing power compression.

The PF-1203B is a 12 inch (312mm) diameter design that employs very high energy product Neodymium magnetics to proved extremely high conversion efficiency. The medium format 3 inch (76.2mm) voice coil design is an edge wound rectangular aluminum design to further maximize efficiency. Because weight is critical for portable systems or flown/suspended designs, the PF-1203B features a die cast aluminum chassis as well as the Ferrite magnet structure. The performance parameters of the PF-1203B are optimized for professional level mid bass designs. If full range designs are specified the PF-1203B should be utilized.

P Audio features state of the art design and manufacturing that insure the PF-1203B will provide very high power handling and reliability in high performance profession applications.



SPL vs Freq

