



Specifications

GENERAL SPECIFICATIONS

Nominal Impedance	8 Ω
Power	600 Watt (rms)
SPL 1W@1M average sensitivity	96 dB
Frequency Response	30Hz - 100Hz
Dimension Ø x H (cm)	46.0 x 21.0
Net Weight	4.5 kg (9.9 lbs)
Shipping Weight	6.5 kg (14.3 lbs)
Packing Dimension H x W x D (cm)	49.5 x 49.5 x 24.5 (2.1cu.ft) 19.5" x 19.8" x 9.6"

PHYSICAL SPECIFICATIONS

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

THIELE/SMALL PARAMETERS

Resonance Frequency	Fs	29 Hz
DC. Resistance	Re	5.5 Ω
Coil Inductance	Le	0.38 mH
Mechanical Q Factor	Qms	6.86
Electrical Q Factor	Qes	0.57
Total Q Factor	Qts	0.53
BL Product	BL	16.70 Tm
Effective Moving Mass	Mms	161.95 g
Equivalent Cas Air-Load	Vas	345.08 Liters
Effective Piston Area	Sd	0.116 Sqm
Half-Space Efficiency	Eff	1.38 %
Airgap Height	Hag	8.0 mm
Voice Coil Height	Hvc	23.0 mm
Voice Coil Overhang	Xmax	7.5 mm

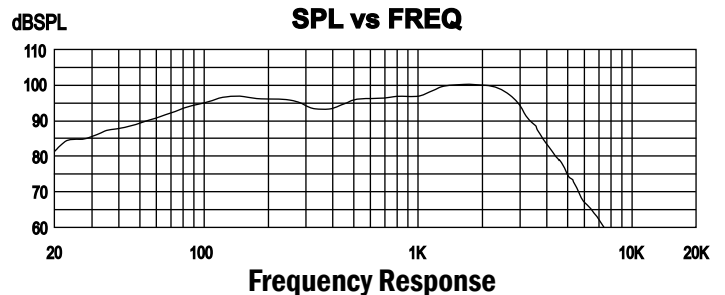
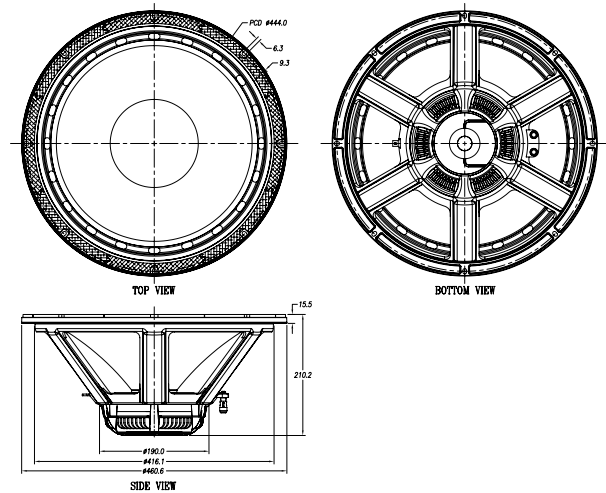
Applications

SN-18ELF

The SN 18ELF is an extended low frequency transducer intended for applications where ultra low frequency response is specified. The 18 inch (460mm) diameter chassis provides a large cross sectional area capable of very large acoustic volume velocities. The mechanical suspension system has been optimized for large linear excursion and is well suited for the rated bandwidth of 30Hz to 100Hz. All performance parameters have been fully analyzed and optimized using state of the art computer based analysis methods.

The SN-18ELF features a medium format 3 inch (76.2mm) diameter voice coil. This voice coil design utilizes rectangular aluminum wire in an edge wound configuration found in all professional high performance designs. The die cast aluminum chassis and light weight but very high energy product Neodymium magnetic system combine to produce an extremely light weight design.

The extended low frequency performance of the SN-18ELF make it an ideal choice when applications such as special low frequency effects are specified. The SN-18ELF is well suited for dance floor, mobile DJ and general purpose portable public address system designs. The advanced manufacturing systems employed at P Audio insure consistent and very reliable long term performance.



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