



SN™ Series II

SN-18LF



Specifications

GENERAL SPECIFICATIONS

Nominal Impedance	8 Ω
Power	600 Watt (rms)
SPL 1W@1M average sensitivity	96 dB
Frequency Response	40Hz - 125Hz
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 19.5" x 9.6"

PHYSICAL SPECIFICATIONS

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

THIELE/SMALL PARAMETERS

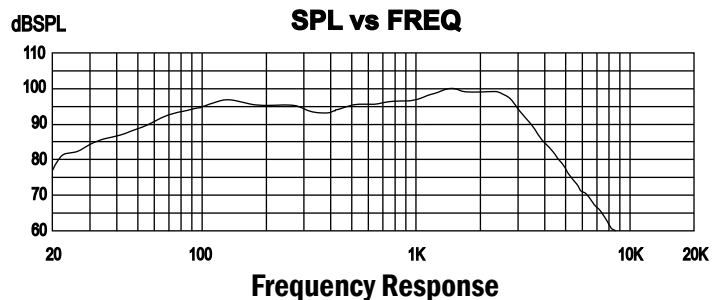
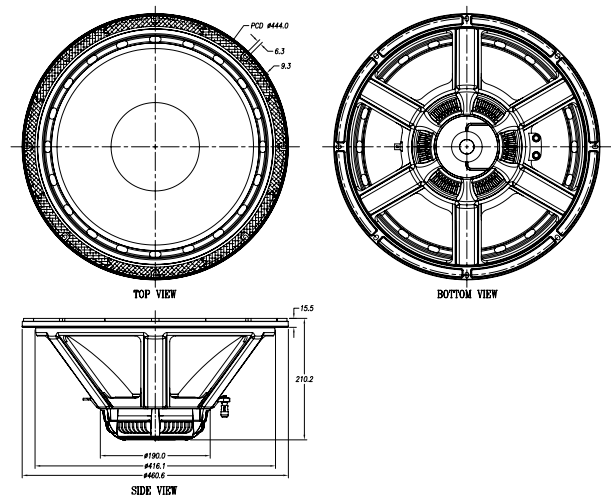
Resonance Frequency	Fs	40 Hz
DC Resistance	Re	5.4 Ω
Coil Inductance	Le	0.34 mH
Mechanical Q Factor	Qms	7.84
Electrical Q Factor	Qes	0.70
Total Q Factor	Qts	0.65
BL Product	BL	16.33 Tm
Effective Moving Mass	Mms	139.74 g
Equivalent Cas Air-Load	Vas	205.50 Liters
Effective Piston Area	Sd	0.116 Sqm
Half-Space Efficiency	Eff	1.80 %
Airgap Height	Hag	8.0 mm
Voice Coil Height	Hvc	18.0 mm
Voice Coil Overhang	Xmax	5.0 mm

Applications

SN-18LF

The SN Series II transducers represent a unique combination of extremely high performance and high value. The SN-18LF utilizes a medium format 3 inch (76.2mm) diameter voice coil coupled to a computer optimized Neodymium based permanent magnet system. This voice coil and magnet structure combination insures very high conversion efficiency and an excellent performance to value ratio. The SN-18LF is an 18 inch (460mm) diameter low frequency design that has a rated bandwidth of 40Hz to 125Hz. This bandwidth provides an optimum combination of low frequency response and efficiency. It is common in professional touring and fixed installation systems to filter low frequency material below 35Hz to limit sub sonic material. The SN-18LF takes advantage of this technique and has been designed to offer maximum impact low frequency output in its rated bandwidth.

The SN-18LF features an aluminum rectangular geometry voice coil and very high thermal capacity to insure high power handling and high reliability. The combination of a light weight but very high energy product Neodymium magnet structure and a die cast aluminum chassis produce a very light weight design. The SN-18LF is well suited for medium format touring systems and excellent for fixed installation designs, particularly when the systems must be suspended. The light weight design makes the SN-18LF ideal for portable systems as well as for flown/suspended systems. The SN-18LF is an excellent choice for bass and sub woofer designs



19/4 Moo 2 T.Bangkratok A.Samparn Nakornpathom 73210 Thailand
 Tel: +66-2-441-6600 Auto 30 Lines
 e-mail: info@paudiothailand.com
 Website: www.paudiothailand.com
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