



AM™ Series

AM-15LF



Specifications

GENERAL SPECIFICATIONS

Nominal Impedance	8 Ω
Power	600 Watt (rms)
SPL 1W@1M average sensitivity	97 dB
Frequency Response	45Hz - 1500Hz
Dimension Ø x H (cm)	38.9 x 16.0
Net Weight	7 kg (15.4 lbs)
Shipping Weight	8.6 kg (18.9 lbs)
Packing Dimension H x W x D (cm)	42.5 x 42.5 x 20.5 (1.3cu.ft)
	16.7" x 16.7" x 8.1"

PHYSICAL SPECIFICATIONS

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

THIELE/SMALL PARAMETERS

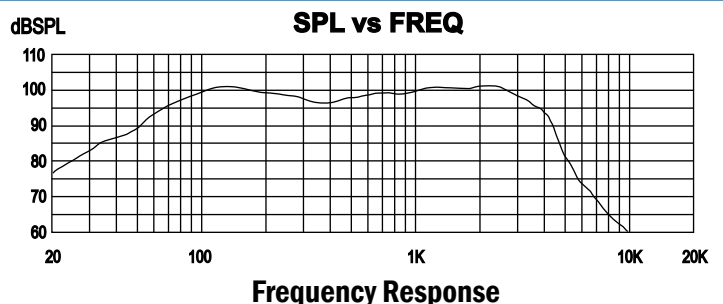
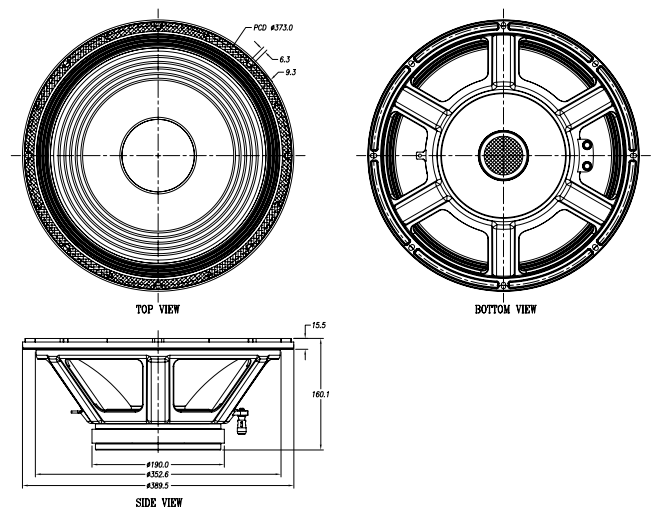
Resonance Frequency	Fs	59 Hz
DC. Resistance	Re	5.7 Ω
Coil Inductance	Le	0.393 mH
Mechanical Q Factor	Qms	3.82
Electrical Q Factor	Qes	0.71
Total Q Factor	Qts	0.60
BL Product	BL	16.14 Tm
Effective Moving Mass	Mms	87.57 g
Equivalent Cas Air-Load	Vas	85.52 Liters
Effective Piston Area	Sd	0.855 Sqm
Half-Space Efficiency	Eff	2.41 %
Airgap Height	Hag	8.0 mm
Voice Coil Height	Hvc	17.0 mm
Voice Coil Overhang	Xmax	4.5 mm

Applications

AM-15LF

The AM-15LF is a 15 inch (389mm) diameter loudspeaker designed for use in two way and three way professional sound reinforcement and public address systems. The AM-15LF features a Ferrite based permanent magnet design coupled to an aluminum die cast chassis. The AM Series design uses an extremely reliable 3 inch (76.2mm) voice coil design that utilizes state of the art construction processes. The voice coil is an edge wound aluminum based wire that uses rectangular geometry to achieve very high electro-magnetic conversion efficiency.

The AM uses a newly developed cone material that features high internal mechanical damping. This cone design provides for very intelligible mid band response as well as superb vocal range clarity. The AM-15LF was designed to operate in the 45Hz to 1500Hz range. The performance and reliability of this design make it an excellent choice for systems that require long term operation and consistency. Because of its high performance and high efficiency, the AM-15LF may be used as the low frequency device when high output and high efficiency compression drivers and horns are used for the high frequency section of a professional sound reinforcement system.



19/4 Moo 2 T.Bangkratuk A.Samparn Nakornpathom 73210 Thailand
 Tel: +66-2-441-6600 Auto 30 Lines
 e-mail: info@paudiothailand.com
 Website: www.paudiothailand.com
 All rights reserved by P.Audio System Co.,Ltd. 2007

