

AMERICAN STANDARD SERIES

ALPHA 3-8

The Eminence Alpha 3-8 is a truly versatile compact full-range driver perfectly suited for tight fitting pro audio line array and column array applications. With a program power rating of 60 watts, this 3" driver utilizes an 8.3 oz ferrite magnet in conjunction with an internal neodymium bucking magnet for increased sensitivity and extends the response out to 20kHz. The highly pressed cone sandwiches paper with a layer of water-resistant polypropylene for increased stiffness and lower distortion.

- 60 W Program Power
- 3.0" Nominal Diameter
- 8 Ω

APPLICATION		ENCLOSURE	
Full range	<input checked="" type="checkbox"/>	Sealed Box	<input checked="" type="checkbox"/>
Midrange	<input checked="" type="checkbox"/>	Vented Box	<input checked="" type="checkbox"/>
Midbass	<input type="checkbox"/>	Scoop Loading	<input type="checkbox"/>
Woofer	<input type="checkbox"/>	Horn Loading	<input type="checkbox"/>
Subwoofer	<input type="checkbox"/>		

SPECIFICATION

Nominal Basket Diameter	3.0", 76 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	60 W
Nominal Power	30 W
Resonance	118 Hz
Usable Frequency Range	150 Hz – 20.0 kHz
Sensitivity*	88.6 dB
Magnet Weight	8 oz.
Gap Height	0.10", 2.5 mm
Voice Coil Diameter	0.787", 20 mm

MATERIALS OF CONSTRUCTION

Copper voice coil
Polyimide former
Ferrite magnet
Vented / Flux source cap
Pressed steel basket
Paper/Poly sandwich cone
Poly cone edge
Poly dust cap



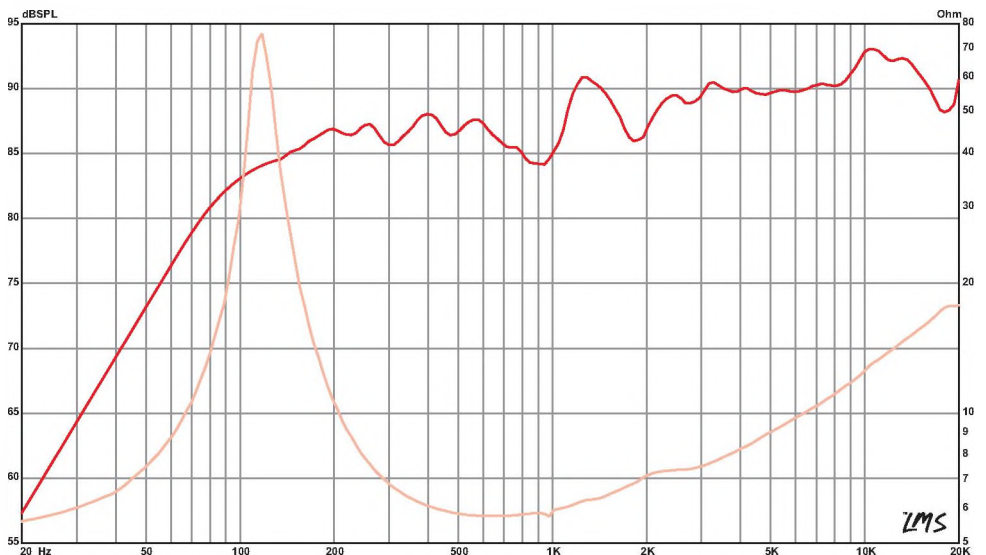
THIELE & SMALL PARAMETERS

Fs	118 Hz
Re	5.12 Ω
Le	0.11 mH
Qms	7.94
Qes	0.53
Qts	0.50
Vas	0.03 cu.ft., 0.95 liters
Vd	6.9 cc
Cms	0.84 mm/N
BL	3.93 T-M
Mms	2 grams
EBP	220
Xmax	2.40 mm
Sd	28.6 cm ²
Xlim	4.0 mm

MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	0.85–1.42 liters, 0.03–0.05 cu.ft.
Vented	1.42–1.98 liters, 0.05–0.07 cu.ft.
Driver Volume Displaced	0.005 cu.ft., 0.13 liters
Major Diameter	3.98", 101.1 mm
Flat to Flat Diameter	3.24", 82.3 mm
Baffle Hole Diameter	3.04", 77.2 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.16", 4.1 mm
Mounting Holes B.C.D.	3.63", 92.1 mm
Depth	1.76", 44.6 mm
Net Weight	0.90 lbs., 0.41 kg
Shipping Weight	1.10 lbs., 0.50 kg

FREQUENCY RESPONSE & IMPEDANCE CURVE*



* See footnotes on page 155 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.