

## AMERICAN STANDARD SERIES

# ALPHA-8A

Recommended for professional audio midrange applications in a sealed cabinet, or as a midbass in a vented satellite enclosure.

- 250 W Program Power
- 8" Nominal Diameter
- 8  $\Omega$

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



### SPECIFICATION

Nominal Basket Diameter	8", 203 mm
Nominal Impedance*	8 $\Omega$
Power Rating*	
Program Power	250 W
Nominal Power	125 W
Resonance	73 Hz
Usable Frequency Range	58 Hz – 5 kHz
Sensitivity*	94 dB
Magnet Weight	20 oz.
Gap Height	0.25", 6.4 mm
Voice Coil Diameter	1.5", 38 mm

### THIELE & SMALL PARAMETERS

Fs	73 Hz
Re	5.3 $\Omega$
Le	0.44 mH
Qms	4.6
Qes	0.68
Qts	0.59
Vas	0.63 cu. ft., 17.7 liters
Vd	67 cc
Cms	0.28 mm/N
BL	7.8 T-M
Mms	17 grams
EBP	107
Xmax	3.2 mm
Sd	210 cm <sup>2</sup>
Xlim	7.1 mm

### MOUNTING INFORMATION

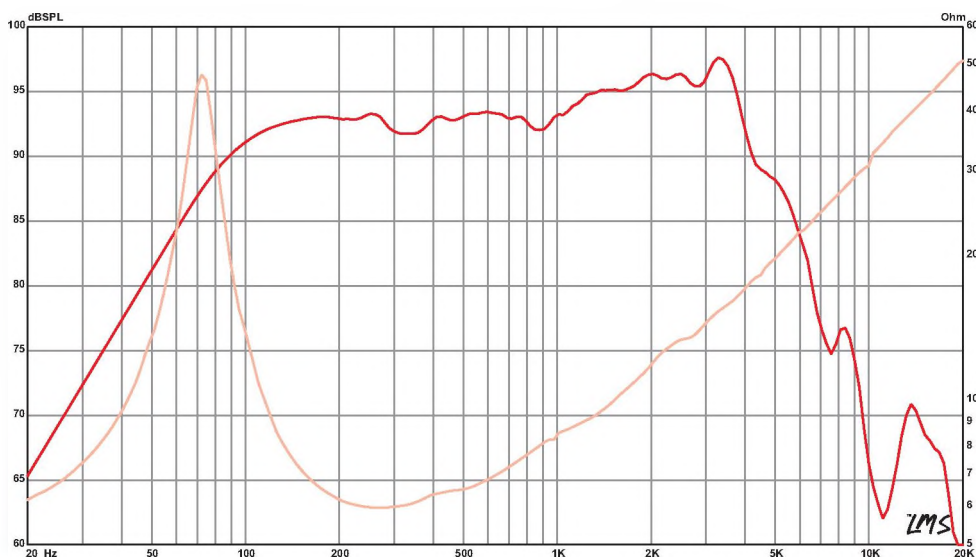
Recommended Enclosure Volume	
Sealed	5–7 liters, 0.18–0.25 cu. ft.
Vented	16.7–25.5 liters, 0.59–0.9 cu. ft.
Driver Volume Displaced	0.02 cu. ft., 0.58 liters
Overall Diameter	8.24", 209.3 mm
Baffle Hole Diameter	7.13", 181.1 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.22", 5.6 mm
Mounting Holes B.C.D.	7.75", 196.9 mm
Depth	3.25", 82.6 mm
Net Weight	4.3 lbs., 1.95 kg
Shipping Weight	5.1 lbs., 2.31 kg

### MATERIALS OF CONSTRUCTION

Copper voice coil
Polyimide former
Ferrite magnet
Vented core
Pressed steel basket
Paper cone
Cloth cone edge
Solid composition paper dust cap



### FREQUENCY RESPONSE & IMPEDANCE CURVE\*



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