

AMERICAN STANDARD SERIES

ALPHA-10A

Recommended for professional audio midbass applications in a small sealed cabinet.

- 300 W Program Power
- 10" Nominal Diameter
- 8 Ω



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 checked="" type="checkbox"/>
Bass Guitar	<input checked="" type="checkbox"/>		

SPECIFICATION

Nominal Basket Diameter	10", 254 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	300 W
Nominal Power	150 W
Resonance	50 Hz
Usable Frequency Range	57 Hz – 4.5 kHz
Sensitivity*	95.6 dB
Magnet Weight	20 oz.
Gap Height	0.25", 6.4 mm
Voice Coil Diameter	1.5", 38 mm

THIELE & SMALL PARAMETERS

Fs	50 Hz
Re	5.31 Ω
Le	0.66 mH
Qms	5.21
Qes	0.66
Qts	0.59
Vas	2.9 cu.ft., 82.2 liters
Vd	114 cc
Cms	0.46 mm/N
BL	7.5 T-M
Mms	22 grams
EBP	76
Xmax	3.2 mm
Sd	355.4 cm ²
Xlim	9.1 mm

MOUNTING INFORMATION

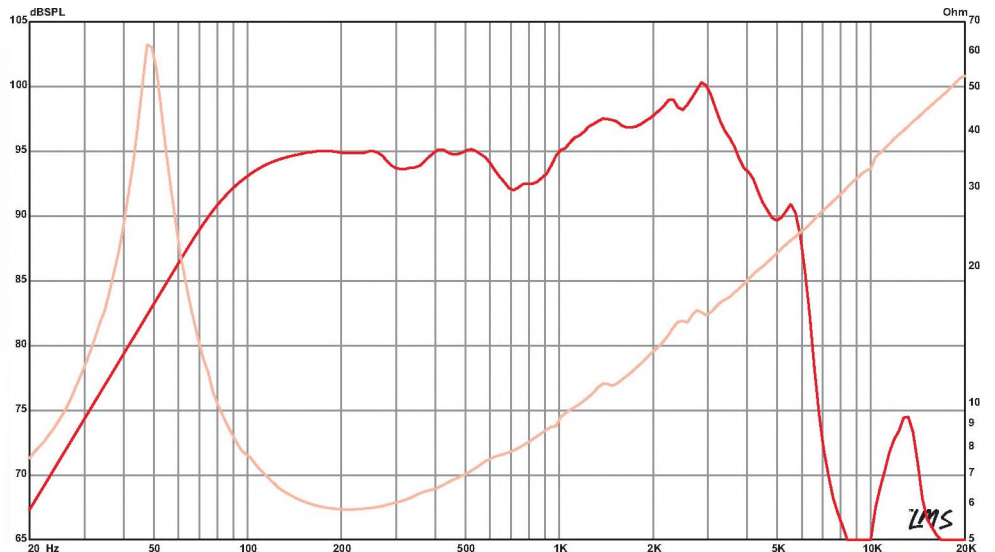
Recommended Enclosure Volume	Sealed	8.5–11.3 liters, 0.3–0.4 cu.ft.
	Vented	28.3–53.8 liters, 1–1.9 cu.ft.
Driver Volume Displaced		0.034 cu.ft., 0.95 liters
Overall Diameter		10.11", 256.8 mm
Baffle Hole Diameter		9.13", 231.9 mm
Front Sealing Gasket		Yes
Rear Sealing Gasket		Yes
Mounting Holes Diameter		0.23", 5.8 mm
Mounting Holes B.C.D.		9.6", 243.8 mm
Depth		3.9", 99.1 mm
Net Weight		4.5 lbs., 2.04 kg
Shipping Weight		5.6 lbs., 2.54 kg

MATERIALS OF CONSTRUCTION

- Copper voice coil
- Polyimide former
- Ferrite magnet
- Vented and extended 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.