

AMERICAN STANDARD SERIES

ALPHA-12A

Recommended for professional audio midbass applications in a small sealed or medium vented enclosure.

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

APPLICATION	ENCLOSURE	
Midrange	<input 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 type="checkbox"/>	



SPECIFICATION

Nominal Basket Diameter	12", 305 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	300 W
Nominal Power	150 W
Resonance	49 Hz
Usable Frequency Range	51 Hz – 4.3 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	49 Hz
Re	6.3 Ω
Le	0.79 mH
Qms	6.53
Qes	0.88
Qts	0.77
Vas	4.29 cu.ft., 121.5 liters
Vd	125 cc
Cms	0.32 mm/N
BL	8.5 T-M
Mms	33 grams
EBP	56
Xmax	2.4 mm
Sd	519.5 cm ²
Xlim	6.6 mm

MOUNTING INFORMATION

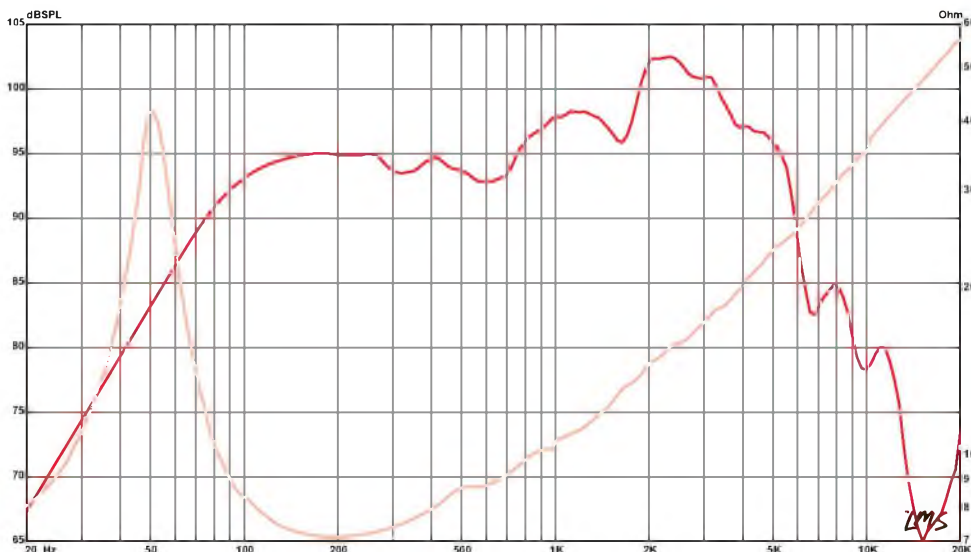
Recommended Enclosure Volume	
Sealed	17–22.7 liters, 0.6–0.8 cu.ft.
Vented	56.6–113.3 liters, 2–4 cu.ft.
Driver Volume Displaced	0.063 cu.ft., 1.78 liters
Overall Diameter	12.26", 311.4 mm
Baffle Hole Diameter	11.06", 280.9 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.25", 6.4 mm
Mounting Holes B.C.D.	11.71", 297.4 mm
Depth	4.73", 120.1 mm
Net Weight	5.3 lbs, 2.4 kg
Shipping Weight	7.4 lbs, 3.36 kg

MATERIALS OF CONSTRUCTION

- Copper voice coil
- Polymide former
- Ferrite magnet
- Vented and extended core
- Pressed steel basket
- Paper cone
- Cloth cone edge
- Solid composition felt dust cap



FREQUENCY RESPONSE & IMPEDANCE CURVE*



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