

AMERICAN STANDARD SERIES

BETA-12A-2

One of our most versatile woofers for pro audio and bass guitar applications. A popular replacement for two-way systems. Also works well in a sealed or bandpass enclosure.

- 500 W Program Power
- 12" 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	12", 305 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	500 W
Nominal Power	250 W
Resonance	47 Hz
Usable Frequency Range	43 Hz – 3.8 kHz
Sensitivity*	98 dB
Magnet Weight	38 oz.
Gap Height	0.312", 7.9 mm
Voice Coil Diameter	2", 51 mm

THIELE & SMALL PARAMETERS

Fs	47 Hz
Re	5 Ω
Le	0.64 mH
Qms	6
Qes	0.5
Qts	0.46
Vas	4.24 cu.ft., 120.1 liters
Vd	237 cc
Cms	0.29 mm/N
BL	10.8 T-M
Mms	40 grams
EBP	94
Xmax	4.4 mm
Sd	538.9 cm ²
Xlim	11 mm

MOUNTING INFORMATION

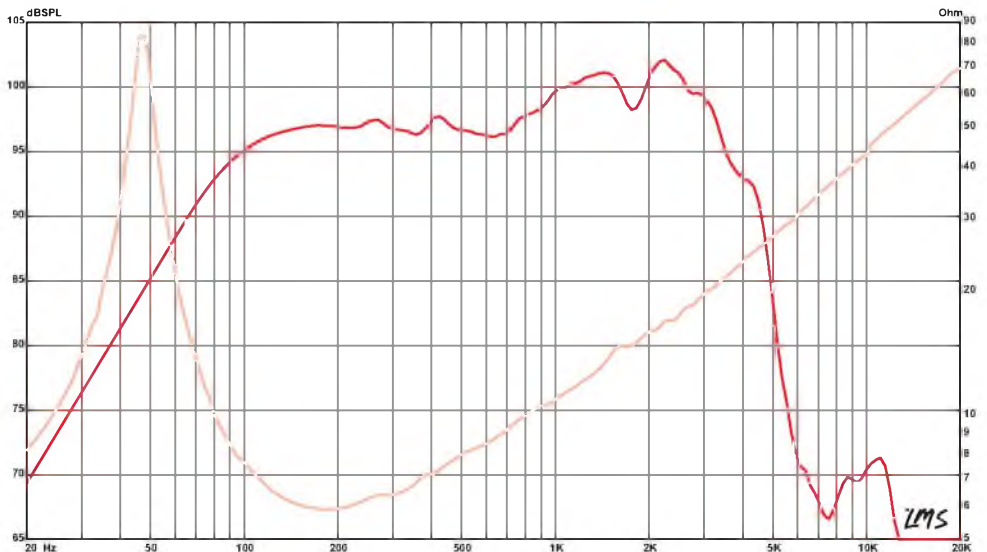
Recommended Enclosure Volume	
Sealed	25.5–35.4 liters,
Vented	0.9–1.25 cu.ft.,
Vented	36.8–139 liters,
Vented	1.3–4.9 cu.ft.
Driver Volume Displaced	0.071 cu.ft., 2 liters
Overall Diameter	12.03", 305.6 mm
Baffle Hole Diameter	11.07", 281.2 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.25", 6.4 mm
Mounting Holes B.C.D.	11.59", 294.4 mm
Depth	4.57", 116.1 mm
Net Weight	7.5 lbs., 3.4 kg
Shipping Weight	9.7 lbs., 4.4 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.