

AMERICAN STANDARD SERIES

BETA-10A

Recommended for professional audio, bass guitar, midbass or floor monitor applications in sealed enclosures. Also works well as a midbass or woofer in vented enclosures.

- 500 W Program Power
- 10" 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 checked="" type="checkbox"/>
Bass Guitar	<input checked="" type="checkbox"/>		



SPECIFICATION

Nominal Basket Diameter	10", 254 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	500 W
Nominal Power	250 W
Resonance	53 Hz
Usable Frequency Range	51 Hz – 3.8 kHz
Sensitivity*	97 dB
Magnet Weight	34 oz.
Gap Height	0.312", 7.9 mm
Voice Coil Diameter	2", 51 mm

THIELE & SMALL PARAMETERS

Fs	53 Hz
Re	5.75 Ω
Le	0.67 mH
Qms	8.14
Qes	0.52
Qts	0.49
Vas	2.12 cu.ft., 60.1 liters
Vd	103.5 cc
Cms	0.36 mm/N
BL	9.6 T-M
Mms	25 grams
EBP	102
Xmax	3 mm
Sd	344.9 cm ²
Xlim	8.6 mm

MOUNTING INFORMATION

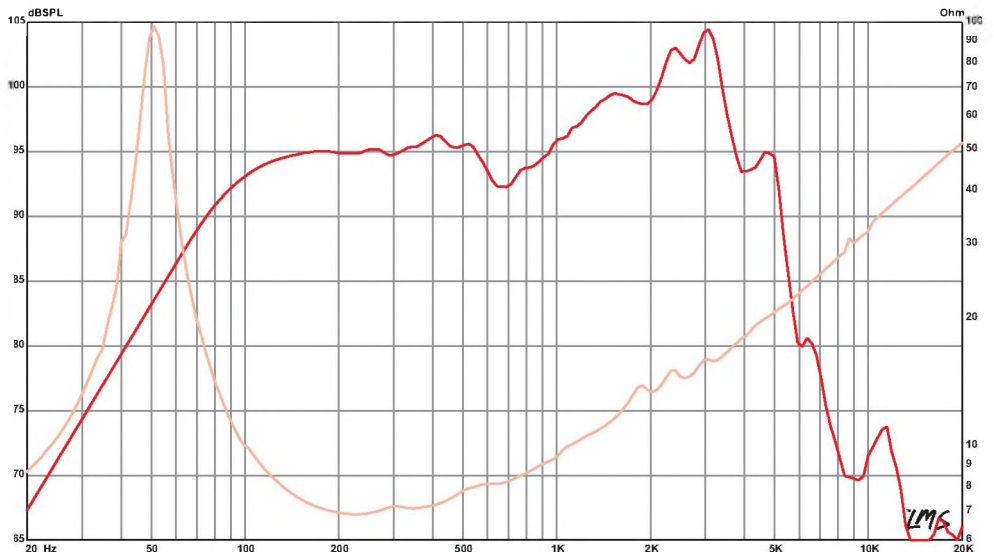
Recommended Enclosure Volume	
Sealed	8.5–14.2 liters, 0.3–0.5 cu.ft.
Vented	19.8–70.8 liters, 0.7–2.5 cu.ft.
Driver Volume Displaced	0.04 cu.ft., 1.13 liters
Overall Diameter	10.11", 256.8 mm
Baffle Hole Diameter	9.13", 231.9 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.23", 5.8 mm
Mounting Holes B.C.D.	9.6", 243.8 mm
Depth	3.98", 101.1 mm
Net Weight	6.8 lbs, 3.08 kg
Shipping Weight	7.8 lbs, 3.54 kg

MATERIALS OF CONSTRUCTION

- Aluminum 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.