

## AMERICAN STANDARD SERIES

# BETA-10B

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
- 16  $\Omega$

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*	16 $\Omega$
Power Rating*	
Program Power	500 W
Nominal Power	250 W
Resonance	51.6 Hz
Usable Frequency Range	50 Hz – 3.5 kHz
Sensitivity*	94.1 dB
Magnet Weight	34 oz.
Gap Height	0.312", 7.9 mm
Voice Coil Diameter	2", 51 mm

### 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



### THIELE & SMALL PARAMETERS

Fs	53 Hz
Re	15.1 $\Omega$
Le	1.33 mH
Qms	4.33
Qes	0.58
Qts	0.51
Vas	2.17 cu.ft., 61.37 liters
Vd	106.6 cc
Cms	0.35 mm/N
BL	15.4 T-M
Mms	27.05 grams
EBP	89.26
Xmax	3 mm
Sd	355.4 cm <sup>2</sup>
Xlim	8.6 mm

### MOUNTING INFORMATION

Recommended Enclosure Volume	Sealed	14.72–42.48 liters, 0.52–1.5 cu.ft.
	Vented	28.32–84.95 liters, 1–3 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

### FREQUENCY RESPONSE & IMPEDANCE CURVE\*

