

AMERICAN STANDARD SERIES

BETA-8A

Recommended for professional audio midbass applications or as a woofer in vented enclosures. Also suitable as a midbass speaker in sealed enclosures.

- 450 W Program Power
- 8" 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 type="checkbox"/>		



SPECIFICATION

Nominal Basket Diameter	8", 203 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	450 W
Nominal Power	225 W
Resonance	65 Hz
Usable Frequency Range	78 Hz - 4.5 kHz
Sensitivity*	95.1 dB
Magnet Weight	34 oz.
Gap Height	0.312", 7.9 mm
Voice Coil Diameter	2", 51 mm

THIELE & SMALL PARAMETERS

Fs	65 Hz
Re	5.99 Ω
Le	0.49 mH
Qms	4.95
Qes	0.42
Qts	0.38
Vas	0.82 cu.ft., 23.3 liters
Vd	63 cc
Cms	0.37 mm/N
BL	9.6 T-M
Mms	16 grams
EBP	156
Xmax	3 mm
Sd	210 cm ²
Xlim	7.4 mm

MOUNTING INFORMATION

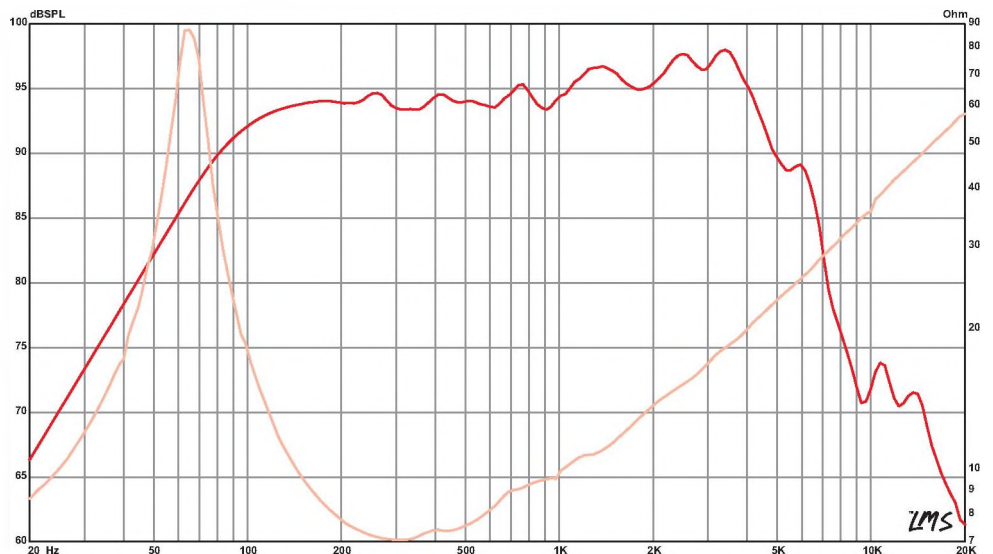
Recommended Enclosure Volume	
Sealed	5.7-9.9 liters, 0.2-0.35 cu.ft.
Vented	8.5-19 liters, 0.3-0.67 cu.ft.
Driver Volume Displaced	0.027 cu.ft., 0.76 liters
Overall Diameter	8.24", 209.3 mm
Baffle Hole Diameter	7.13", 181.1 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.22", 5.6 mm
Mounting Holes B.C.D.	7.75", 196.9 mm
Depth	3.5", 88.9 mm
Net Weight	6.6 lbs., 2.99 kg
Shipping Weight	7.4 lbs., 3.36 kg

MATERIALS OF CONSTRUCTION

- Aluminum voice coil
- Polymide 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.