



## AMERICAN STANDARD SERIES

# BETA-12A-2

Recommended for professional audio and bass guitar applications as a woofer in a vented enclosure. Also works well for PA in a sealed or bandpass enclosure.



### SPECIFICATION

Nominal Basket Diameter	12.0", 305 mm
Nominal Impedance*	8 $\Omega$
Power Rating**	
Watts	250 W
Music Program	500 W
Resonance	47 Hz
Usable Frequency Range	43 Hz – 3.8 kHz
Sensitivity***	98.0 dB
Magnet Weight	38 oz.
Gap Height	.312", 7.9 mm
Voice Coil Diameter	2.0", 51 mm

### THIELE & SMALL PARAMETERS\*

Fs	47 Hz
Re	5.00 $\Omega$
Le	0.64 mH
Qms	6.00
Qes	0.50
Qts	0.46
Vas	4.24 cu.ft., 120.10 liters
Vd	237.0 cc
Cms	0.29 mm/N
BL	10.80 T-M
Mms	40 grams
EBP	94
Xmax	4.40 mm
Sd	538.9 cm <sup>2</sup>
Xlim	11.0 mm

### MOUNTING INFORMATION

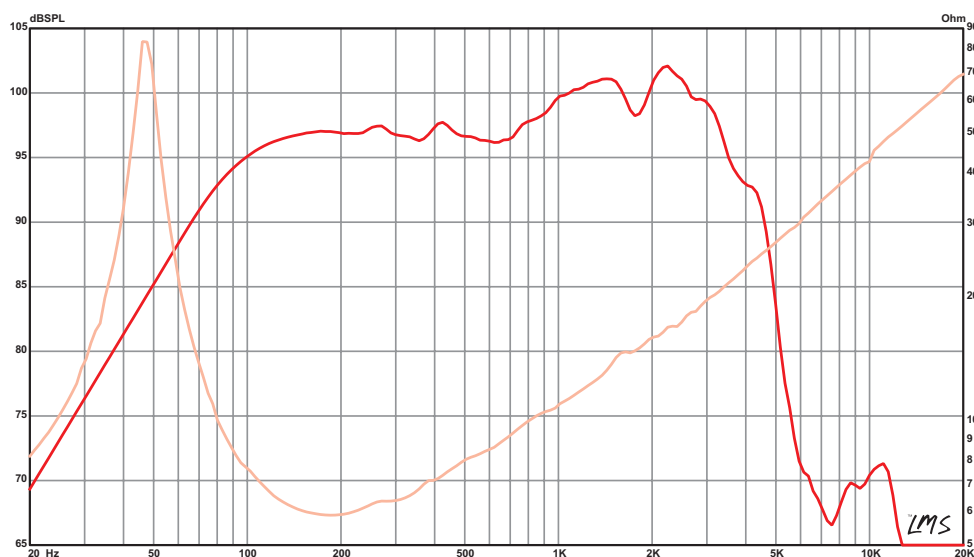
Recommended Enclosure Volume	
Sealed	25.50–35.40 liters, 0.90–1.25 cu.ft.
Vented	36.80–139.00 liters, 1.30–4.90 cu.ft.
Driver Volume Displaced	0.071 cu.ft., 2.00 liters
Overall Diameter	12.03", 305.6 mm
Baffle Hole Diameter	11.07", 281.2 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.25", 6.4 mm
Mounting Holes B.C.D.	11.59", 294.4 mm
Depth	4.57", 116.1 mm
Net Weight	7.50 lbs, 3.40 kg
Shipping Weight	9.70 lbs, 4.40 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\*



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