

AMERICAN STANDARD SERIES

ALPHA 2-8

Ideal for tight fitting column and line array applications, the Alpha 2 features a 0.64" copper voice coil and 2.7 oz. ferrite magnet. With under spider venting and a flux source cap, this 8 ohm driver lets the heat out while containing the magnetic flux, which is critical for multi-unit designs packed tightly together. Rated at 30 watts program power, the Alpha 2 has a wide usable frequency range of 200 Hz – 20 kHz.

- 30 W Program Power
- 2" Nominal Diameter
- 8 Ω

APPLICATION		ENCLOSURE	
Full range	<input checked="" type="checkbox"/>	Sealed Box	<input checked="" type="checkbox"/>
Midrange	<input checked="" type="checkbox"/>	Vented Box	<input checked="" type="checkbox"/>
Midbass	<input type="checkbox"/>	Scoop Loading	<input type="checkbox"/>
Woofer	<input type="checkbox"/>	Horn Loading	<input type="checkbox"/>
Subwoofer	<input type="checkbox"/>		

SPECIFICATION

Nominal Basket Diameter	2.0", 50.8 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	30 W
Nominal Power	20 W
Resonance	185 Hz
Usable Frequency Range	200 Hz – 20.0 kHz
Sensitivity*	83.8 dB
Magnet Weight	2.7 oz.
Gap Height	0.12", 3 mm
Voice Coil Diameter	0.64", 16.2 mm

MATERIALS OF CONSTRUCTION

Copper voice coil
Polyimide former
Ferrite magnet
Under Spider Venting
Pressed steel basket
Paper/Poly sandwich cone
Cloth cone edge
Poly dust cap



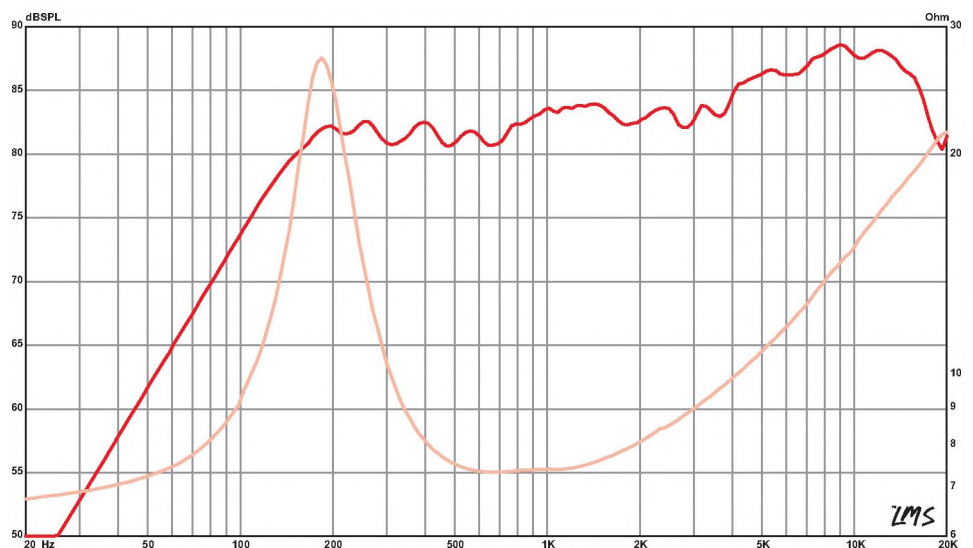
THIELE & SMALL PARAMETERS

Fs	185 Hz
Re	6.4 Ω
Le	0.13 mH
Qms	3.06
Qes	0.94
Qts	0.72
Vas	0.01 cu. ft., 0.18 liters
Vd	2.10 cc
Cms	0.84 mm/N
BL	2.64 T-M
Mms	0.88 grams
EBP	197.8
Xmax	1.7 mm
Sd	12.37 cm ²
Xlim	2.2 mm

MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	0.42–0.54 liters, 0.015–0.019 cu. ft.
Vented	0.37–0.57 liters, 0.013–0.02 cu. ft.
Driver Volume Displaced	2.0 cu.in., 0.03 liters
Major Diameter	2.75", 69.9 mm
Flat to Flat Diameter	2.13", 54 mm
Baffle Hole Diameter	2.0", 50.8 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	No
Mounting Holes Diameter	0.15", 3.8 mm
Mounting Holes B.C.D.	2.363", 59.9 mm
Depth	1.63", 41.4 mm
Net Weight	0.40 lbs , 0.18 kg
Shipping Weight	(Sold in 4-packs) 2 lbs , 0.91 kg

FREQUENCY RESPONSE & IMPEDANCE CURVE*



* See footnotes on page 155 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.