

PROFESSIONAL SERIES

SIGMA PRO 18A-2

High efficiency, high value pro audio woofer for vented enclosures. Gives you the most from your low powered amp.

- 1300 W Program Power
- 18" Nominal Diameter
- 8 or 4 Ω

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

SPECIFICATION

Nominal Basket Diameter	18", 457 mm
Nominal Impedance*	8 or 4 Ω
Power Rating*	
Program Power	1300 W
Nominal Power	650 W
Resonance	28 Hz
Usable Frequency Range	41 Hz – 2.4 kHz
Sensitivity*	99 dB
Magnet Weight	120 oz.
Gap Height	0.375", 9.5 mm
Voice Coil Diameter	3", 76 mm

MATERIALS OF CONSTRUCTION

- Copper voice coil
- Polyimide former
- Ferrite magnet
- Vented and extended core
- Die-cast aluminum basket
- Paper cone
- Cloth cone edge
- Solid composition paper dust cap



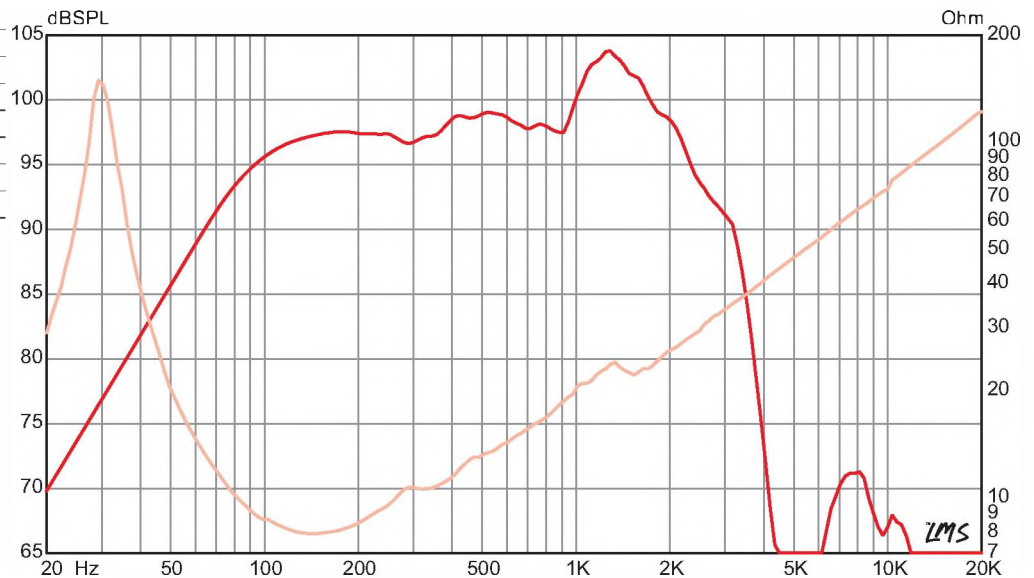
THIELE & SMALL PARAMETERS

Fs	28 Hz
Re	6.29 Ω
Le	1.9 mH
Qms	8.28
Qes	0.3
Qts	0.29
Vas	15.58 cu.ft., 441.2 liters
Vd	695 cc
Cms	0.24 mm/N
BL	22.1 T-M
Mms	130 grams
EBP	93
Xmax	6.1 mm
Sd	1140 cm ²
Xlim	18 mm

MOUNTING INFORMATION

Recommended Enclosure Volume	Sealed	N/A
	Vented	93–212 liters, 3.3–7.5 cu.ft.
Driver Volume Displaced		0.234 cu.ft., 6.62 liters
Overall Diameter		18", 457.2 mm
Baffle Hole Diameter		16.56", 420.6 mm
Front Sealing Gasket		Yes
Rear Sealing Gasket		Yes
Mounting Holes Diameter		0.28", 7.1 mm
Mounting Holes B.C.D.		17.25", 438.2 mm
Depth		8.15", 207 mm
Net Weight		24.5 lbs, 11.11 kg
Shipping Weight		28.1 lbs, 12.75 kg

FREQUENCY RESPONSE & IMPEDANCE CURVE*



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