

PROFESSIONAL SERIES

OMEGA PRO-18A

Recommended for professional audio as a woofer in vented enclosures. The best 18" for horn loading, scoops, and W bins.

- **1600 W** Program Power
- **18"** Nominal Diameter
- **8 or 4 Ω**

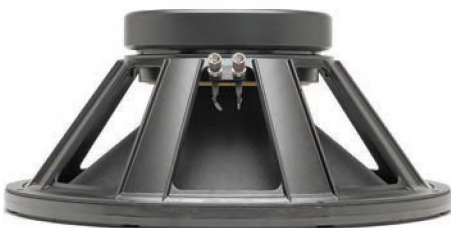
APPLICATION		ENCLOSURE	
Midrange	<input type="checkbox"/>	Sealed Box	<input type="checkbox"/>
Midbass	<input type="checkbox"/>	Vented Box	<input checked="" type="checkbox"/>
Woofer	<input checked="" type="checkbox"/>	Scoop Loading	<input checked="" type="checkbox"/>
Subwoofer	<input checked="" type="checkbox"/>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

SPECIFICATION

Nominal Basket Diameter	18", 457 mm
Nominal Impedance*	8 or 4 Ω
Power Rating*	
Program Power	1600 W
Nominal Power	800 W
Resonance	25 Hz
Usable Frequency Range	40 Hz – 0.8 kHz
Sensitivity*	97 dB
Magnet Weight	109 oz.
Gap Height	0.375", 9.5 mm
Voice Coil Diameter	4", 102 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



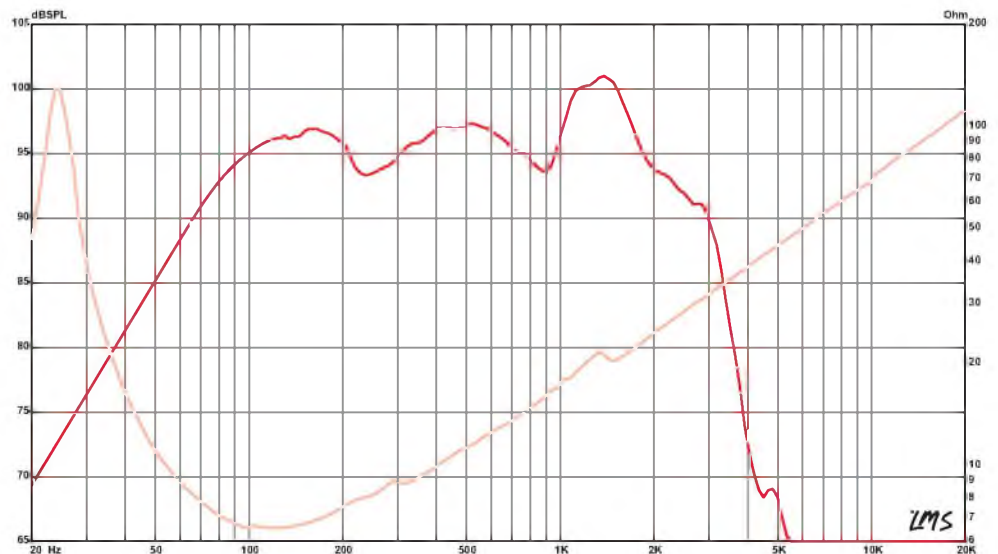
THIELE & SMALL PARAMETERS

Fs	25 Hz
Re	5.2 Ω
Le	1.67 mH
Qms	8.18
Qes	0.32
Qts	0.31
Vas	19.38 cu.ft., 548.7 liters
Vd	556 cc
Cms	0.29 mm/N
BL	18.8 T-M
Mms	137 grams
EBP	79
Xmax	4.8 mm
Sd	1159 cm ²
Xlim	16 mm

MOUNTING INFORMATION

Recommended Enclosure Volume	Sealed	N/A
	Vented	96–198 liters, 3.4–7 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		25.2 lbs, 11.43 kg
Shipping Weight		28.9 lbs, 13.11 kg

FREQUENCY RESPONSE & IMPEDANCE CURVE*



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