

PROFESSIONAL SERIES

OMEGA PRO-15A

High power driver for pro audio as a woofer in vented enclosures. Also suitable for horn loading and scoops.

- 1600 W Program Power
- 15" Nominal Diameter
- 8 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 checked="" type="checkbox"/>		

SPECIFICATION

Nominal Basket Diameter	15", 381 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	1600 W
Nominal Power	800 W
Resonance	33 Hz
Usable Frequency Range	51 Hz - 1.7 kHz
Sensitivity*	97.3 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



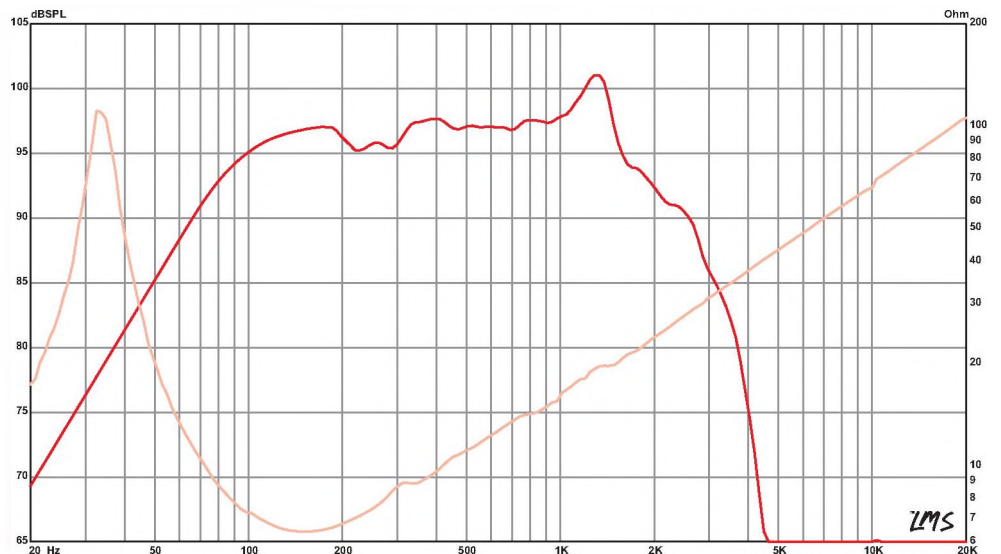
THIELE & SMALL PARAMETERS

Fs	33 Hz
Re	5.28 Ω
Le	1.04 mH
Qms	5.69
Qes	0.33
Qts	0.32
Vas	9.13 cu. ft., 258.5 liters
Vd	411 cc
Cms	0.25 mm/N
BL	17.5 T-M
Mms	94 grams
EBP	99
Xmax	4.8 mm
Sd	856.3 cm ²
Xlim	12.2 mm

MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	N/A
Vented	57-108 liters, 2-3.8 cu. ft.
Driver Volume Displaced	0.152 cu. ft., 4.31 liters
Overall Diameter	15.21", 386.3 mm
Baffle Hole Diameter	14", 355.6 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.28", 7.1 mm
Mounting Holes B.C.D.	14.56", 369.8 mm
Depth	6.35", 161.3 mm
Net Weight	22.7 lbs, 10.3 kg
Shipping Weight	25.2 lbs, 11.43 kg

FREQUENCY RESPONSE & IMPEDANCE CURVE*



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