

## OMEGA PRO 15

**For all high power bass applications**

Nominal Basket Diameter	15", 381mm
Impedance	8 ohms
Power Rating	800Wrms
Resonance	39Hz
Usable Frequency Range	35Hz - 2kHz
Sensitivity	<a href="#">see guide on web</a>
Magnet Weight	109oz.
Gap Height	0.375", 9.52mm
Voice Coil Diameter	4.0", 101.6mm



### Mounting Information

Recommended Enclosure Volume (vented)	96 - 158 liters
Overall Diameter	3.4 - 5.6 cu. ft.
Baffle Hole Diameter	15.21", 386.4mm
Front Sealing Gasket	14.0", 355.5mm
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	<i>fitted as standard</i>
Mounting Holes B.C.D.	0.275", 7mm
Depth	14.56", 369.9mm
Shipping Weight	6.35", 161mm
	26lbs., 11.8 kg.

### Thiele-Small Parameters

Resonant Frequency (fs)	39Hz
Impedance (Re)	4.98 ohms
Coil Inductance (Le)	1.48mH
Electromagnetic Q (Qes)	0.36
Mechanical Q (Qms)	8.57
Total Q (Qts)	0.35
Compliance Equivalent Volume (Vas)	196 liters
Peak Diaphragm Displacement Volume (Vd)	6.92 cu. ft.
Mechanical Compliance of Suspension (Cms)	408cc
BL Product (BL)	0.19mm/N
Diaphragm Mass inc. Airlod (Mms)	17.2 T-M
Equiv. Resistance of Mechanical Suspension Loss (Rms)	88 grams
Efficiency Bandwidth Product (EBP)	2.42N*sec/M
Voice Coil Overhang (Xmax)	107
Surface Area of Cone (Sd)	4.8mm
Impedance at Resonance (Zmax)	856.3cm <sup>2</sup>
Maximum Linear Excursion (Xmech)	122 ohms
	30.48mm

### Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 27ga., copper voice coil for improved power-handling and durability
- Ferrite Magnet
- Vented and extended core for increased power handling
- Die-cast aluminum basket for rigidity
- Paper cone
- Cloth cone edge
- Solid composition paper dust cap

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