

## OMEGA PRO 12

*For all high power mid-bass applications*

Nominal Basket Diameter	12", 304.8mm
Impedance	8 ohms
Power Rating	700Wrms
Resonance	39Hz
Usable Frequency Range	65Hz - 1.2kHz
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)	34 - 57 liters
Overall Diameter	1.2 - 2.0 cu. ft.
Baffle Hole Diameter	12.4", 314.3mm
Front Sealing Gasket	11.06", 281mm
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	11.57", 293.8mm
Shipping Weight	5.83", 148mm
	24.4lbs., 11.1 kg.

### Thiele-Small Parameters

Resonant Frequency (fs)	39Hz
Impedance (Re)	5.24 ohms
Coil Inductance (Le)	1.39mH
Electromagnetic Q (Qes)	0.32
Mechanical Q (Qms)	8.08
Total Q (Qts)	0.30
Compliance Equivalent Volume (Vas)	88.4 liters
Peak Diaphragm Displacement Volume (Vd)	3.12 cu. ft.
Mechanical Compliance of Suspension (Cms)	254cc
BL Product (BL)	0.22mm/N
Diaphragm Mass inc. Airload (Mms)	17.4 T-M
Equiv. Resistance of Mechanical Suspension Loss (Rms)	75 grams
Efficiency Bandwidth Product (EBP)	2.27N*sec/M
Voice Coil Overhang (Xmax)	124
Surface Area of Cone (Sd)	4.8mm
Impedance at Resonance (Zmax)	532.4cm <sup>2</sup>
Maximum Linear Excursion (Xmech)	139 ohms
	20.83mm

### 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 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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