

## OMEGA PRO 18

**For all high power bass applications**

Nominal Basket Diameter	18", 457.2mm
Impedance	8 ohms
Power Rating	800Wrms
Resonance	28Hz
Usable Frequency Range	25Hz - 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)	62 - 82 liters
Overall Diameter	2.2 - 2.9 cu. ft.
Baffle Hole Diameter	18", 457.2mm
Front Sealing Gasket	16.56", 420mm
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	<i>fitted as standard</i>
Mounting Holes B.C.D.	0.25", 6.4mm
Depth	17.25", 438.2mm
Shipping Weight	8.15", 207mm
	30lbs., 13.6 kg

### Thiele-Small Parameters

Resonant Frequency (fs)	28Hz
Impedance (Re)	5.1 ohms
Coil Inductance (Le)	1.67mH
Electromagnetic Q (Qes)	0.25
Mechanical Q (Qms)	5.53
Total Q (Qts)	0.24
Compliance Equivalent Volume (Vas)	354 liters
Peak Diaphragm Displacement Volume (Vd)	12.49 cu. ft.
Mechanical Compliance of Suspension (Cms)	635cc
BL Product (BL)	0.19mm/N
Diaphragm Mass inc. Airload (Mms)	25 T-M
Equiv. Resistance of Mechanical Suspension Loss (Rms)	171 grams
Efficiency Bandwidth Product (EBP)	5.46N*sec/M
Voice Coil Overhang (Xmax)	114
Surface Area of Cone (Sd)	4.8mm
Impedance at Resonance (Zmax)	1159cm <sup>2</sup>
Maximum Linear Excursion (Xmech)	97 ohms
	32.0mm

### 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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