

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	see chart on web
Magnet Weight	109oz.
Gap Height	0.375", 9.52mm
Voice Coil Diameter	4.0", 101.6mm

Mounting Information

Recommended Enclosure Volume* (vented)	142 - 170 liters
*The enclosure volume in the catalog is a misprint.	
	5 - 6 cu. ft.
Overall Diameter	18", 457.2mm
Baffle Hole Diameter	16.56", 420mm
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	0.25", 6.4mm
Mounting Holes B.C.D.	17.25", 438.2mm
Depth	8.15", 207mm
Shipping Weight	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
	12.49 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	635cc
Mechanical Compliance of Suspension (Cms)	0.19mm/N
BL Product (BL)	25 T-M
Diaphragm Mass inc. Airlod (Mms)	171 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	5.46N*sec/M
Efficiency Bandwidth Product (EBP)	114
Voice Coil Overhang (Xmax)	4.8mm
Surface Area of Cone (Sd)	1159cm ²
Impedance at Resonance (Zmax)	97 ohms
Maximum Linear Excursion (Xmech)	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

Eminence Speaker LLC
P. O. Box 360
Eminence, Kentucky 40019
USA
 502.845.5622 phone
 502.845.5653 fax
info@eminence.com
www.eminence.com

FORM 96156

