

OMEGA PRO 18C

For all high power bass applications

Nominal Basket Diameter	18", 457.2mm
Impedance	4 ohms
Power Rating	800Wrms
Resonance	24Hz
Usable Frequency Range	25Hz - 2kHz
Sensitivity	97dB
Magnet Weight	109oz.
Gap Height	0.375", 9.52mm
Voice Coil Diameter	4.0", 101.6mm

Mounting Information

Recommended Enclosure Volume* (vented)	113 - 170 liters 4 - 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)	24Hz
Impedance (Re)	2.71 ohms
Coil Inductance (Le)	0.61mH
Electromagnetic Q (Qes)	0.27
Mechanical Q (Qms)	6.60
Total Q (Qts)	0.26
Compliance Equivalent Volume (Vas)	573.2liters 20.24 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	
Mechanical Compliance of Suspension (Cms)	0.30mm/N
BL Product (BL)	14.8 T-M
Diaphragm Mass inc. Airlod (Mms)	142.8 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	3.30N*sec/M
Efficiency Bandwidth Product (EBP)	90.3
Voice Coil Overhang (Xmax)	4.7mm
Surface Area of Cone (Sd)	1159cm ²



Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 25ga., 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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