

**SIGMA PRO 18 - 2**

*For all high power bass applications*

Nominal Basket Diameter	18", 457.2mm
Impedance	8 ohms
Power Rating	650Wrms
Resonance	28Hz
Usable Frequency Range	25Hz - 2.5kHz
Sensitivity	<a href="#">see chart on web</a>
Magnet Weight	120oz.*
Gap Height	0.375", 9.52mm
Voice Coil Diameter	3.0", 76.2mm



**Mounting Information**

Recommended Enclosure Volume (vented)	106 - 177 liters 3.75 - 6.25 cu. ft.
Overall Diameter	18", 457.2mm
Baffle Hole Diameter	16.56", 420mm <i>fitted as standard</i>
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	
Mounting Holes Diameter	0.25", 6.4mm
Mounting Holes B.C.D.	17.25", 438.2mm
Depth	8.15", 207mm
Shipping Weight	27.2lbs., 12.4 kg.

**Materials of Construction**

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 28ga., copper voice coil for improved power-handling and durability
- Ferrite Magnet (\*recently improved with a 120oz. 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

**Thiele-Small Parameters**

Resonant Frequency (fs)	28Hz
Impedance (Re)	6.29 ohms
Coil Inductance (Le)	1.90mH
Electromagnetic Q (Qes)	0.30
Mechanical Q (Qms)	8.28
Total Q (Qts)	0.29
Compliance Equivalent Volume (Vas)	441.2 liters 15.58 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	688cc
Mechanical Compliance of Suspension (Cms)	0.24mm/N
BL Product (BL)	22.1 T-M
Diaphragm Mass inc. Airload (Mms)	130 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	2.81N*sec/M
Efficiency Bandwidth Product (EBP)	95
Voice Coil Overhang (Xmax)	6.0mm
Surface Area of Cone (Sd)	1140.1cm <sup>2</sup>
Impedance at Resonance (Zmax)	180 ohms
Maximum Linear Excursion (Xmech)	36.45mm

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