

Specification

Nominal Basket Diameter	18", 457.2mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	650W
Music Program	1300W
Resonance	28Hz
Usable Frequency Range***	41Hz-2.4kHz
Sensitivity	99
Magnet Weight	120 oz.
Gap Height	0.375", 9.53mm
Voice Coil Diameter	3", 76.2mm

Thiele & Small Parameters

Resonant Frequency (fs)	28Hz
DC Resistance (Re)	6.29
Coil Inductance (Le)	1.90mH
Mechanical Q (Qms)	8.28
Electromagnetic Q (Qes)	0.30
Total Q (Qts)	0.29
Compliance Equivalent Volume (Vas)	441.2 liters / 15.6 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	695cc
Mechanical Compliance of Suspension (Cms)	0.24mm/N
BL Product (BL)	22.1 T-M
Diaphragm Mass inc. Airlod (Mms)	130 grams
Efficiency Bandwidth Product (EBP)	93
Maximum Linear Excursion (Xmax)	6.1mm
Surface Area of Cone (Sd)	1140.0 cm ²
Maximum Mechanical Limit (Xlim)	18.0mm

Mounting Information

Recommended Enclosure Volume	
Vented	93-212 liters/3.3-7.5 cu.ft.
Overall Diameter	18", 457.2mm
Baffle Hole Diameter	16.56", 420.5mm
Front Sealing Gasket	fitted as standard
Rear Sealing Gasket	fitted as standard
Mounting Holes Diameter	0.28", 7.1mm
Mounting Holes B.C.D.	17.25", 438.2mm
Depth	8.15", 207mm
Net Weight	24.5 lbs., 11.1 kg
Shipping Weight	28.1 lbs., 12.8 kg

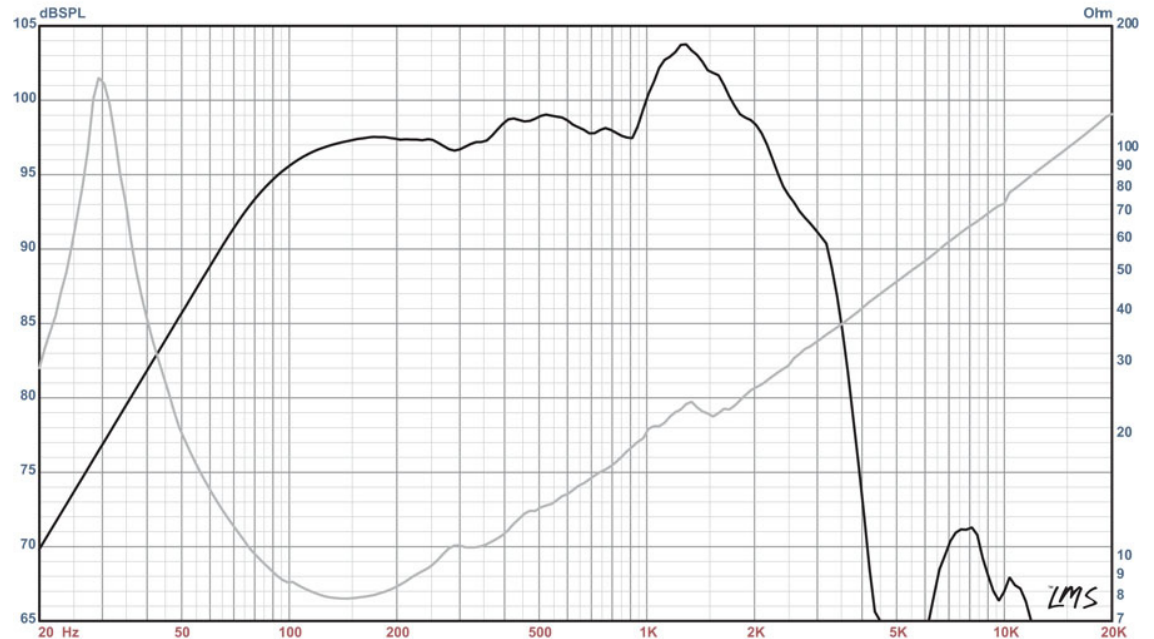
Materials of Construction

Copper voice coil
Polyimide former
Ferrite magnet
Vented and extended core
Die-cast aluminum basket
Paper Cone
Cloth cone edge
Solid composition paper dust cap



SIGMA PRO 18A-2 Professional Series

Recommended for professional audio as a woofer in vented enclosures.



* Please inquire about alternative impedances.

** Multiple units exceed published rating evaluated under EIA 426A noise source and test standard while in a free-air, non-temperature controlled environment.

*** The average output across the usable frequency range when applying 1W/1M into the nominal impedance. ie: 2.83V/8ohms, 4V/16ohms.

Eminence response curves are measured under the following conditions: All speakers are tested at 1w/1m using a variety of test set-ups for the appropriate impedance | LMS using 0.25" supplied microphone (software calibrated) mounted 1m from wall/baffle | 2ft. X 2ft. baffle is built into the wall with the speaker mounted flush against a steel ring for minimum diffraction | Hafler P1500 Trans-Nova amplifier | 2700 cu.ft. chamber with fiberglass on all six surfaces (three with custom-made wedges)