

Specification

Nominal Basket Diameter	6.50", 165 mm
Nominal Impedance	8 ohms ¹
Power Rating	100 W ²
Usable Frequency Range	103 Hz-6k Hz ³
Sensitivity	94.7
Magnet Weight	20 oz.
Gap Height	0.24", 5.99 mm
Voice Coil Diameter	1.50", 38.1 mm

Thiele & Small Parameters

Resonance (fs)	111 Hz
DC Resistance (Re)	6.7
Coil Inductance (Le)	0.55 mH
Mechanical Q (Qms)	9.75
Electromagnetic Q (Qes)	0.49
Total Q (Qts)	0.47
Compliance Equivalent Volume (Vas)	4.49 liters/0.16 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	22.30 cc
Compliance of Suspension (Cms)	0.20 mm/N
BL Product (BL)	9.8 T-M
Moving Mass inc. Airload (Mms)	10.3 grams
Efficiency Bandwidth Product (EBP)	225.2
Maximum Linear Excursion (Xmax)	1.8 mm
Active Piston Area (Sd)	126.7 cm ²
Maximum Mechanical Limit (Xlim)	5.0mm

Mounting Information

Recommended Enclosure Volume	
Sealed	0.07 - 0.18 cu.ft.
Vented	0.17 - 0.26 cu.ft.
Overall Diameter	6.58", 167.13 mm
Baffle Hole Diameter	5.60", 142.24mm
Front Gasket	Yes, fitted as standard
Rear Gasket	Yes, fitted as standard
Mounting Holes Diameter	0.22", 5.59mm
Mounting Holes B.C.D.	6.14", 155.96mm
Depth	2.88", 73.15mm
Net Weight	3.94 lbs., 1.79 kg
Packing Carton Dimensions	200 x 200 x 115mm

Materials of Construction

Former Material	Polyimide
Voice Coil	Copper
Magnet Material	Ferrite
Basket Material	Steel
Cone Description	Paper/Cloth Edge
Dust Cap Material	Paper

Sovereign 6-100

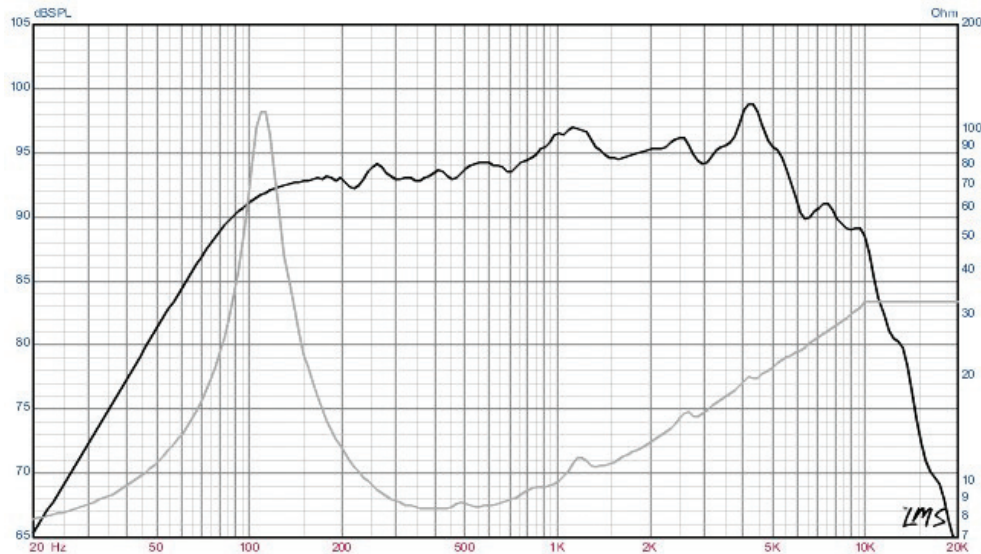
Medium-power driver ideal for use in PA systems as well as MI and pro-sound applications. Works well for midrange in a small sealed box or as a mid/bass driver in vented boxes.



FANE

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- 1 Please inquire about alternative impedances.
- 2 Multiple units exceed published rating evaluated under EIA 426A noise source and test standard while in a free-air, nontemperature-controlled environment.
- 3 The average output across the usable frequency range when applying 1 W/1 M into the nominal impedance. I.e: 2.83 V/8 ohms, 4 V/16 ohms. Fane response curves are measured under the following conditions: All speakers are tested at 1 W/1 M using a variety of test set-ups for the appropriate impedance | LMS using 0.25" supplied microphone (software calibrated) mounted 1 M from wall/baffle | 2 ft. X 2 ft. 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)