

Specification

Nominal Basket Diameter	12.00", 305 mm
Nominal Impedance	8 ohms ¹
Power Rating	125 W ²
Usable Frequency Range	40 Hz-5k Hz ³
Sensitivity	96.5
Magnet Weight	20 oz.
Gap Height	0.24", 5.99 mm
Voice Coil Diameter	1.50", 38.1 mm

Thiele & Small Parameters

Resonance (fs)	47 Hz
DC Resistance (Re)	6.7
Coil Inductance (Le)	0.67 mH
Mechanical Q (Qms)	5.90
Electromagnetic Q (Qes)	0.92
Total Q (Qts)	0.79
Compliance Equivalent Volume (Vas)	113.23 liters/4.00 cu.ft.
Peak Diaphragm Displacement Volume (Vd)	167.20 cc
Compliance of Suspension (Cms)	0.29 mm/N
BL Product (BL)	9.2 T-M
Moving Mass inc. Airload (Mms)	39.1 grams
Efficiency Bandwidth Product (EBP)	51.2
Maximum Linear Excursion (Xmax)	3.2 mm
Active Piston Area (Sd)	525.9 cm ²
Maximum Mechanical Limit (Xlim)	6.7 mm

Mounting Information

Recommended Enclosure Volume	
Sealed	0.70 - 1.80 cu.ft.
Vented	3.30 - 5.20 cu.ft.
Overall Diameter	12.25", 311.15 mm
Baffle Hole Diameter	11.00", 279.40 mm
Front Gasket	Yes, fitted as standard
Rear Gasket	Yes, fitted as standard
Mounting Holes Diameter	0.25", 6.35 mm
Mounting Holes B.C.D.	11.72", 297.69 mm
Depth	4.63", 117.60 mm
Net Weight	5.02 lbs., 2.28 kg
Packing Carton Dimensions	330 x 330 x 150mm

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 12-125

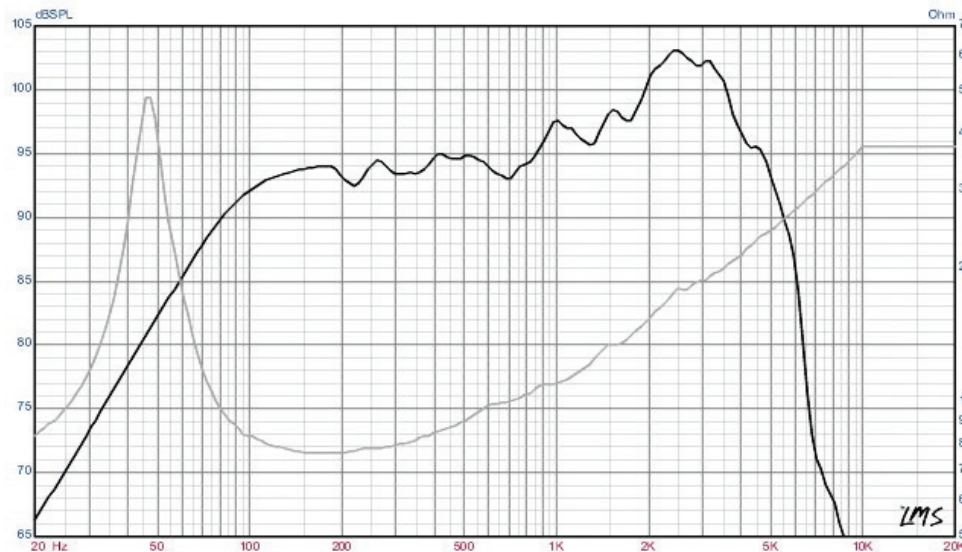
Medium-power driver ideal for use in PA systems as well as MI and pro-sound applications. Ideal for sealed boxes as a mid/bass driver and in medium-sized vented boxes as a woofer. Ideal for bass guitar in vented designs.



FANE

FANE INTERNATIONAL LTD.

Sovereign House
 Gilcar Way
 Wakefield Europort
 Castleford WF10 5QS
 England
 TEL +44 (0) 1924 224618
 FAX +44 (0) 1924 899166
 info@fane-international.com
 www.fane-international.com



- 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)