Sovereign 15-300

High-power 15" driver designed for PA systems as well as MI and pro-sound applications. Ideally suited for small sealed floor wedges or medium-sized vented boxes for mains, monitors, or bass guitar.

Specification

Nominal Basket Diameter	15.00", 381 mm
Nominal Impedance	8 ohms[1]
Power Rating	300 W[2]
Usable Frequency Range	52 Hz-3.6k Hz[3]
Sensitivity	99.5
Magnet Weight	56 oz.
Gap Height	0.39", 10.01 mm
Voice Coil Diameter	2.50", 63.5 mm

Thiele & Small Parameters

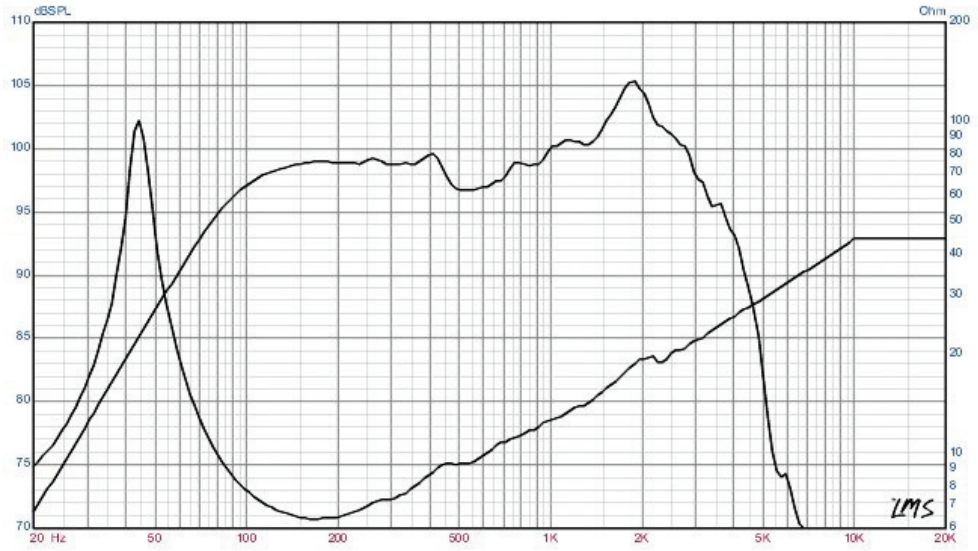
Resonance (fs)	44 Hz
DC Resistance (Re)	5.1
Coil Inductance (Le)	0.86 mH
Mechanical Q (Qms)	9.97
Electromagnetic Q (Qes)	0.45
Total Q (Qts)	0.44
Compliance Equivalent Volume (Vas)	192.81 liters/6.81 cu.ft.
Peak Diaphragm Displacement Volume (Vd)	274.90 cc
Compliance of Suspension (Cms)	0.19 mm/N
BL Product (BL)	14.7 T-M
Moving Mass inc. Airload (Mms)	69.6 grams
Efficiency Bandwidth Product (EBP)	97.3
Maximum Linear Excursion (Xmax)	3.2 mm
Active Piston Area (Sd)	864.6 cm2
Maximum Mechanical Limit (Xlim)	10.0 mm

Mounting Information

Recommended Enclosure Volume	
Sealed	1.00 - 2.25 cu.ft.
Vented	2.00 - 4.60 cu.ft.
Overall Diameter	15.15", 384.81 mm
Baffle Hole Diameter	13.84", 351.54 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.	14.56", 369.82 mm
Depth	6.00", 152.40 mm
Net Weight	12.30 lbs., 5.58 kg
Packing Carton Dimensions	400 x 400 x 200mm

Materials of Construction

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



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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. Ie: 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)