

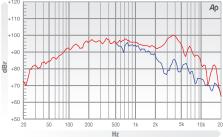




SOVEREIGN 8-225

High-power 8" driver ideal for use in pro-sound applications. Works well as a mid in small sealed boxes and as a mid/bass driver in vented boxes.

FREQUENCY RESPONSE DATA*



ELECTRO ACOUSTIC SPECIFICATIONS Nominal Chassis Diameter 8 Impedance 8Ω 225 w (EIA 426A) Power Handling Peak Power (6dB Crest Factor) 900 w (EIA 426A) Usable Frequency Range -6dB 55 Hz - 5 kHz Sensitivity (1 w - 1 m) 97 dB Moving Mass inc. Air Load 20 Minimum Impedance Zmin 7.6 Ω Effective Piston Diameter 6.496" / 165 mm 0.085 litres Peak Displacement Volume of Cone Vd Magnet Weight 34 oz **Magnetic Gap Depth** 0.31" / 8 mm Flux Density 1.0 Tesla **Coil Winding Height** 0.59" / 15 mm Voice Coil Diameter 2.0" / 50.8 mm

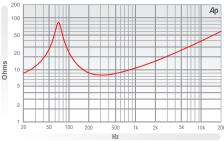
MATERIALS OF CONSTRUCTION		
Former Material	Glass Fibre	
Voice Coil	Copper	
Magnet Material	Ferrite	
Chassis	Steel	
Cone	Paper	
Surround / Edge Termination	Polyvinyl Damped Dbl. Half Roll Linen	
Dust Dome	Paper	
Connectors	Solder Tag	
Polarity	Positive Voltage at Red Terminal Causes Forward Motion of Cone	

THIELE SMALL PARAMETERS	
FS Hz	62 Hz
RE Ohms	6.1 Ω
Qms	4.3
Qes	0.42
Qts	0.38
Vas Ltr	22
Vd litres	0.085
CMS (mm/N)	0.34
BL T/m	11
Mms (grms)	20.69
Xmax (mm)	5.5
Sd (cm ²)	213
Efficiency %	1.25
Le (1kHz)	1.47 mH

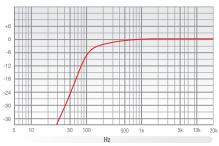
MOUNTING / SHIPPING INFORMATION Overall Diameter 8.18" / 208 mm Flange Height 0.27" / 7 mm 7.24" / 184 mm Baffle Hole Diameter F/M 7.24" / 184 mm **Baffle Hole Diameter R/M** Gasket Supplied Front & Rear 8x 5.5 mm on 7.79" / 197.8 **Fixing Holes** mm PCD 3.74" / 95 mm Depth 6.06 lb / 2.75 kg Weight **Becommended Enclosure Volume** 0.70 - 1.23 cu ft / 20 - 35 litres **Shipping Weight** 6.94 lb / 3.15 kg Packing Carton Dimensions 130 x 240 x 240 mm

IMPEDANCE

qв



PREDICTED BASS RESPONSE



* Half space response measured in a 975 litre sealed box ** Normalised bass response in 25 litre vented enclosure tuned to 50Hz * Please enquire about alternative impedances. * EIA 426A. power handling test. Pink noise bandpass filtered at 12 dB per octave. Driver mounted in free air, test signal applied at rated power for 8 hours. * Please note that the frequency response measurements are supplied for comparison only and are not a measure of the low frequency performance which may be achieved in a fully optimised system.