

SOVEREIGN PRO 8-225

BASS/ MID RANGE DRIVER

8" / 203.2 mm
CHASSIS DIAMETER

225 W (A.E.S.)
AES POWER HANDLING

55 Hz - 5 kHz
FREQUENCY RESPONSE

2.0" / 50.8 mm
COPPER VOICE COIL

97 dB
SENSITIVITY (1W/ 1m)

5.5 mm Xmax
MAXIMUM LINEAR EXCURSION

- Good for compact two-way PA cabinets and line array applications.
- Midrange in small sealed enclosures.
- Exceptional efficiency, power handling and frequency coverage from compact design.
- High output and low distortion from 55 Hz to 5 kHz.
- Rugged die-cast chassis.
- Smooth and refined tone with extended usable frequency.

The Sovereign Po 8-225 is a very versatile unit offering excellent coverage for use in traditional compact 2 way ported enclosures. The driver can also be used as a mid range unit in small sealed enclosures as part of a larger multi-way system. When used in small format line array it offers excellent vocal coverage and coherence.

ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	8" / 203.2 mm
Impedance	4 Ohm / 8 Ohm / 16 Ohm
Power Handling	225 W (A.E.S.)
Peak Power (6dB Crest Factor)	900 W (A.E.S.)
Usable Frequency Range -6dB	55 Hz - 5 kHz
Sensitivity (1 w - 1 m)	97 dB
Moving Mass inc. Air Load	20.7 grams
Minimum Impedance Zmin	7.8 Ω
Effective Piston Diameter	6.50" / 165.00 mm
Magnet Weight	34 oz
Magnetic Gap Depth	0.31" / 8.00 mm
Flux Density	1 Tesla
Coil Winding Height	0.59" / 15.00 mm
Voice Coil Diameter	2.0" / 50.8 mm

MOUNTING / SHIPPING INFORMATION

Overall Diameter	8.9" / 226 mm
Width Across Flats	8.25" / 209.5 mm
Flange Height	0.28" / 7 mm
Baffle Hole Diameter F/M	7.33" / 186 mm
Baffle Hole Diameter R/M	N/A
Gasket Supplied	Front & Rear
Outer Fixing Holes	4x Ø 5.5 mm on 214 mm PCD
Inner Fixing Holes	N/A
Depth	3.60" / 91.44 mm
Weight	6.90 lb / 3.13 kg
Recommended Enclosure Volume	20 - 35 Litres
Shipping Weight	8.50 lb / 3.86 kg
Packing Carton Dimensions	(W) 235 (D) 235 (H) 130 mm

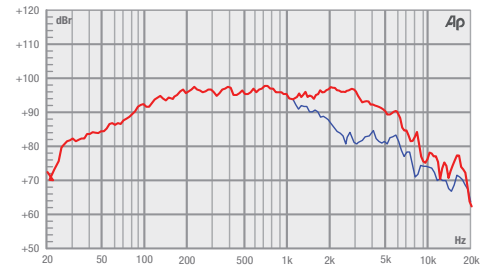
THIELE SMALL PARAMETERS

FS Hz	62 Hz
RE Ohms	6.1 Ω
Qms	4.300
Qes	0.420
Qts	0.380
Vas Ltr	22.00 Litres
Vd Litres	0.118 Litres
CMS (mm/N)	0.318 mm/N
BL T/m	11 T/m
Mms (grms)	20.69 grams
Xmax (mm)	5.5 mm
Sd (cm²)	220 cm²
Efficiency %	1.250%
Le (1k Hz)	1.20 mH
EBP	147.62 Hz

MATERIALS OF CONSTRUCTION

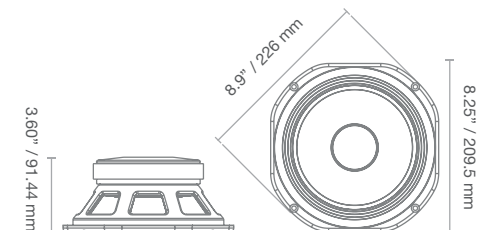
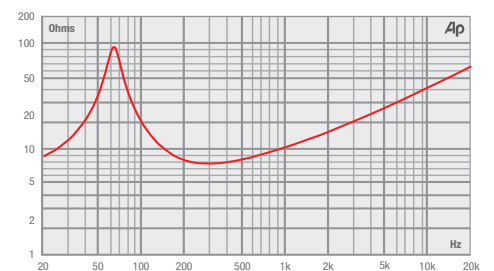
Former Material	Glass Fibre
Voice Coil	Copper
Magnet Material	Ferrite
Chassis	Die-cast Aluminium
Cone	Paper
Surround / Edge Termination	Polyvinyl Damped Multi Roll. Poly Cotton
Dust Dome	Paper
Connectors	Push-button Spring Terminals
Polarity	Positive voltage at red terminal causes forward motion of cone

FREQUENCY RESPONSE DATA†



† Half space response measured in a 965 Litre sealed box. Blue Line = fundamental 45° off-axis.

IMPEDANCE



* Please enquire about alternative impedances.

* A.E.S. power handling test. Pink noise bandpass filtered at 12 dB per octave with cutoff frequencies of 55 Hz and 550 Hz. Driver mounted in free air, test signal applied at rated power for two 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.