

THE PROFESSIONAL SERIES SOVEREIGN PRO 8-225

BASS / MID RANGE DRIVER

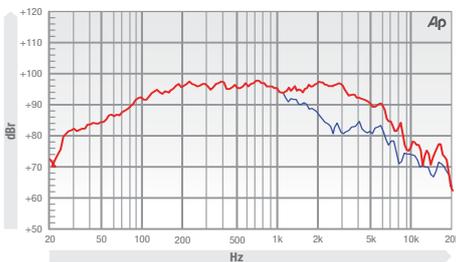


8" / 203.2 mm CHASSIS DIAMETER	225 w (A.E.S.) POWER HANDLING	97 dB SENSITIVITY (1w / 1m)
55 Hz - 5 kHz FREQUENCY RESPONSE	2.0" / 50.8 mm COPPER VOICE COIL	Suitable for Line Array applications

Product Features:

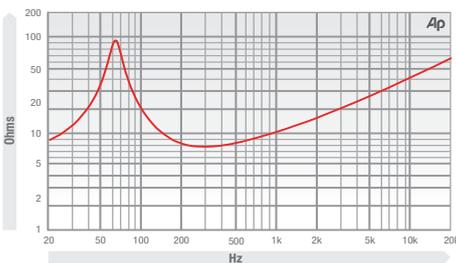
- Good for compact two-way PA cabinets and line array applications.
- Mid range in small sealed enclosures
- Exceptional efficiency, power handling and frequency coverage from compact design.
- High output and low distortion from 55Hz to 5kHz.
- Rugged die cast chassis.
- Smooth and refined tone with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

FREQUENCY RESPONSE DATA*

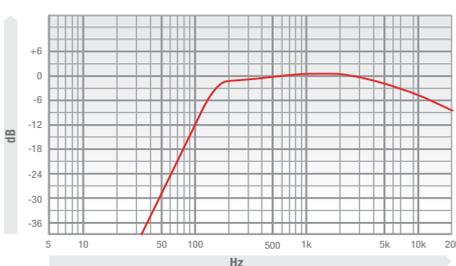


* Half space response measured in a 965 litre sealed box. Blue Line = fundamental 45° off-axis

IMPEDANCE



PREDICTED BASS RESPONSE



** Normalised bass response in 25 litre tuned to 60 Hz

ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	8" / 203.2 mm
Impedance	4/ 8/ 16 Ω
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
Peak Displacement Volume of Cone Vd	0.118 litres
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

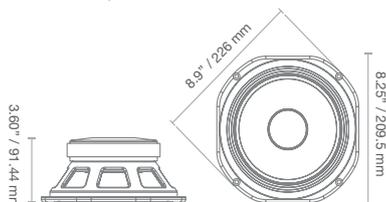
Overall Diameter	8.9" / 226 mm
Width Across Flats	8.25" / 209.5 mm
Flange Height	0.28" / 7 mm
Baffle Hole Diameter F/M	7.33" / 186 mm
Baffle Hole Diameter R/M	N/A
Gasket Supplied	Front & Rear
Fixing Holes	4x 5.5 mm ∅ on 214 mm PCD Not Applicable
Depth	3.60" / 91.44 mm
Weight	6.90 lb / 3.13 kg
Recommended Enclosure Volume	20 - 35 litres
Shipping Weight	8.50 lb / 3.86 kg
Packing Carton Dimensions	235 x 235 x 165 mm

THIELE SMALL PARAMETERS

FS Hz	62 Hz
RE Ohms	6.1 Ω
Qms	4.3
Qes	0.42
Qts	0.38
Vas Ltr	22 litres
Vd litres	0.118 litres
CMS (mm/N)	0.318 mm/N
BL T/m	11 T/m
Mms (grams)	20.69 grams
Xmax (mm)	5.5 mm
Sd (cm²)	220 cm²
Efficiency %	1.25%
Le (1k Hz)	1.2 mH

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



- 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.