

THE SOVEREIGN SERIES SOVEREIGN 10-125

BASS DRIVER

10" / 254 mm
CHASSIS DIAMETER

125 w (A.E.S.)
POWER HANDLING

96 dB
SENSITIVITY (1w / 1m)

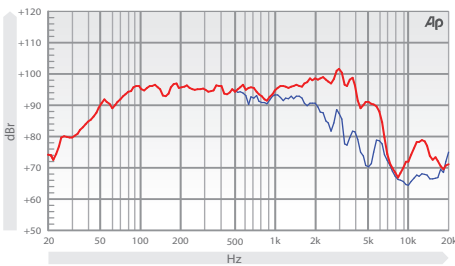
50 Hz - 4 kHz
FREQUENCY RESPONSE

1.5" / 38.1 mm
Copper Voice Coil

- Medium-power driver suitable for use as a mid/bass driver in sealed boxes and in medium-sized vented boxes as a woofer.
- Ideal for bass guitar in vented designs.
- Optimised cone pulp offering increased strength, durability and performance.

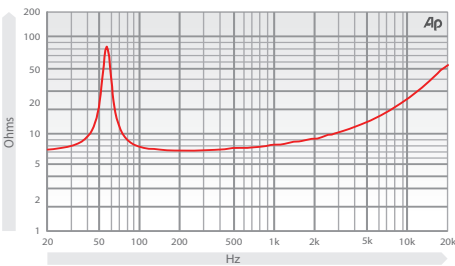


FREQUENCY RESPONSE DATA*

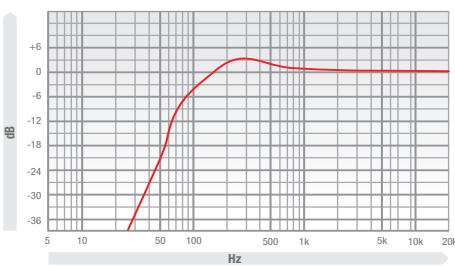


* Half space response measured in a 975 litre sealed box.

IMPEDANCE



PREDICTED BASS RESPONSE



** Normalised bass response in 25 litre tuned to 50 Hz

ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	10" / 254 mm
Impedance	8 Ω
Power Handling	125 w (A.E.S.)
Peak Power (6dB Crest Factor)	500 w (A.E.S.)
Usable Frequency Range -6dB	50 Hz - 4 kHz
Sensitivity (1 w - 1 m)	96 dB
Moving Mass inc. Air Load	31 grams
Minimum Impedance Zmin	7.6 Ω
Effective Piston Diameter	8.46" / 214.88 mm
Peak Displacement Volume of Cone Vd	0.183 litres
Magnetic Gap Depth	0.23" / 5.84 mm
Flux Density	1.0 Tesla
Coil Winding Height	0.51" / 12.95 mm
Voice Coil Diameter	1.5" / 38.1 mm

MOUNTING / SHIPPING INFORMATION

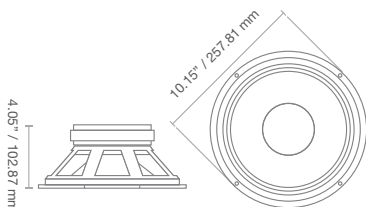
Overall Diameter	10.15" / 257.81 mm
Width Across Flats	N/A
Flange Height	0.27" / 6.9 mm
Baffle Hole Diameter F/M	9.21" / 233.93 mm
Baffle Hole Diameter R/M	9.21" / 233.93 mm
Gasket Supplied	Front & Rear
Fixing Holes	4x 6.5 mm on 9.72" / 246.88 mm PCD
Depth	4.05" / 102.87 mm
Weight	4.29 lb / 1.95 kg
Recommended Enclosure Volume	0.88 - 1.76 cu ft / 25 - 50 litres
Shipping Weight	5.51 lb / 2.5 kg
Packing Carton Dimensions	150 x 280 x 280 mm

THIELE SMALL PARAMETERS

FS Hz	55 Hz
RE Ohms	6.6 Ω
Qms	6.29
Qes	0.71
Qts	0.65
Vas Ltr	50 litres
Vd litres	0.183 litres
CMS (mm/N)	0.27 mm/N
BL T/m	10 T/m
Mms (grams)	31 grams
Xmax (mm)	5 mm
Sd (cm²)	363.5 cm²
Efficiency %	1.25%
Le (1k Hz)	1.47 mH

MATERIALS OF CONSTRUCTION

Former Material	1.0 Tesla
Voice Coil	Copper
Magnet Material	Ferrite
Chassis	Pressed 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



- Please enquire about alternative impedances.
- A.E.S. power handling test. Pink noise bandpass filtered at 12 dB per octave with cutoff frequencies of 50 Hz and 500 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.
- Technical Schematic provided for illustrative purposes only and is not indicative of the actual product.