

SOVEREIGN 10-125

BASS DRIVER

10" / 254 mm

CHASSIS DIAMETER

125 W (A.E.S.)

AES POWER HANDLING

50 Hz - 4 kHz

FREQUENCY RESPONSE

1.5" / 38.1 mm

COPPER VOICE COIL

96 dB

SENSITIVITY (1W/ 1m)

5 mm Xmax

- 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.

ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	10" / 254 mm
Impedance	8 Ohm
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
Magnet Weight	20 oz
Magnetic Gap Depth	0.23" / 5.84 mm
Flux Density	1 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
Outer Fixing Holes	4x Ø 6.5 mm on 9.72" / 246.88 mm PCD
Inner Fixing Holes	N/A
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 / 2.50 kg
Packing Carton Dimensions	(W) 275 (D) 275 (H) 150 mm

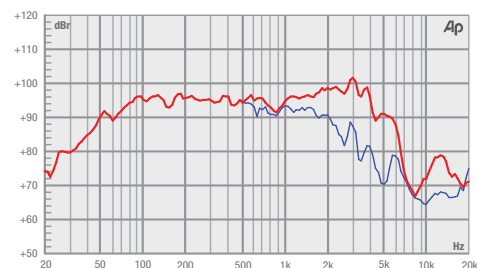
THIELE SMALL PARAMETERS

FS Hz	55 Hz
RE Ohms	6.6 Ω
Qms	6.290
Qes	0.710
Qts	0.650
Vas Ltr	50.00 Litres
Vd Litres	0.183 Litres
CMS (mm/N)	0.270 mm/N
BL T/m	10 T/m
Mms (grms)	31 grams
Xmax (mm)	5 mm
Sd (cm²)	363.5 cm²
Efficiency %	1.250%
Le (1k Hz)	1.47 mH
EBP	77.46 Hz

MATERIALS OF CONSTRUCTION

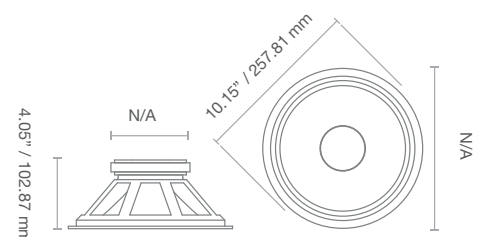
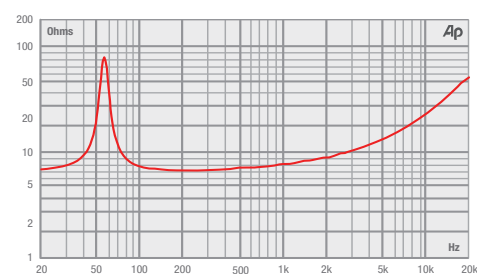
Former Material	Glass Fibre
Voice Coil	Copper
Magnet Material	Ferrite
Chassis	Pressed Steel
Cone	Paper
Surround / Edge Termination	Polyvinyl Damped Dbl. Half Roll Linen
Dust Dome	Paper
Connectors	Solder Tag
Polarity	Positive voltage at red terminal causes forward motion of cone

FREQUENCY RESPONSE DATA*



† Half space response measured in a 975 Litre sealed box.

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 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.