



SOVEREIGN 10-125

Medium-power 10" driver suitable as a mid/bass driver in sealed boxes and in medium-sized vented boxes as a woofer. Ideal for bass guitar in vented designs.

ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	10"
Impedance	8 Ω
Power Handling	125 w (EIA 426A)
Peak Power (6dB Crest Factor)	250 w (EIA 426A)
Usable Frequency Range -6dB	50 Hz - 4 kHz
Sensitivity (1 w - 1 m)	96 dB
Moving Mass inc. Air Load	31
Minimum Impedance Zmin	7.6 Ω
Effective Piston Diameter	8.46" / 215 mm
Peak Displacement Volume of Cone Vd	0.183 litres
Magnet Weight	20 oz
Magnetic Gap Depth	0.23" / 6 mm
Flux Density	1.0 Tesla
Coil Winding Height	0.51" / 13 mm
Voice Coil Diameter	1.5" / 38.1 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
Vd litres	0.183
CMS (mm/N)	0.27
BL T/m	10.5
Mms (grms)	31
Xmax (mm)	5
Sd (cm ²)	363.5
Efficiency %	1.25
Le (1kHz)	1.47 mH

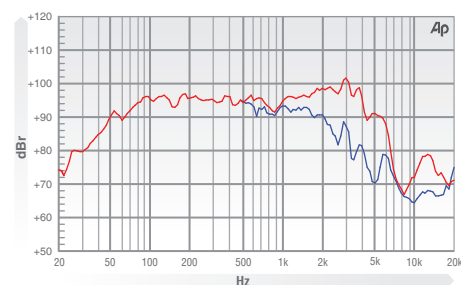
MATERIALS OF CONSTRUCTION

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

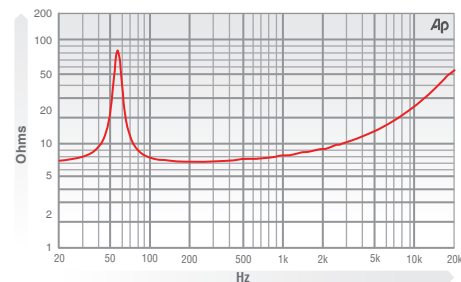
MOUNTING / SHIPPING INFORMATION

Overall Diameter	10.15" / 258 mm
Flange Height	0.27" / 7 mm
Baffle Hole Diameter F/M	9.21" / 234 mm
Baffle Hole Diameter R/M	9.21" / 234 mm
Gasket Supplied	Front & Rear
Fixing Holes	4x 6.5 mm on 9.72" / 246.88 mm PCD
Depth	4.05" / 103 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

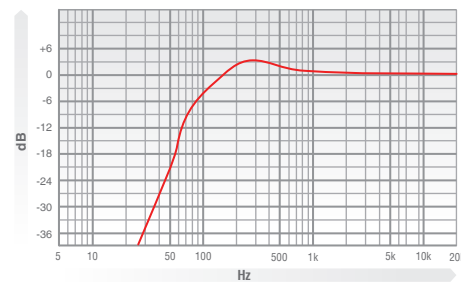
FREQUENCY RESPONSE DATA*



IMPEDANCE



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.