



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 |

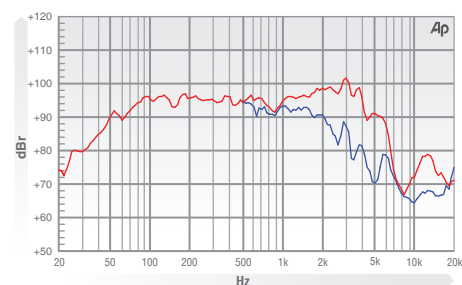
MATERIALS OF CONSTRUCTION

| | |
|-----------------------------|--|
| 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 |

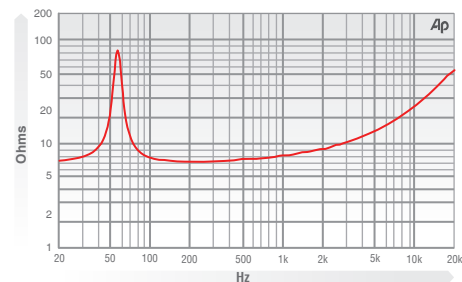
MOUNTING / SHIPPING INFORMATION

| | |
|------------------------------|------------------------------------|
| 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 |

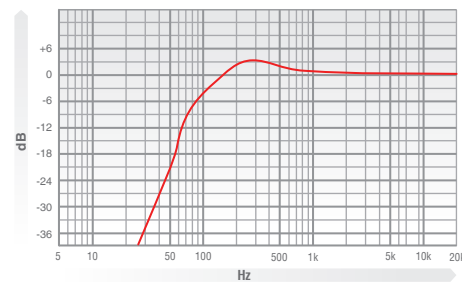
FREQUENCY RESPONSE DATA*



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.