



SOVEREIGN 15-600LF

High-power woofer with outstanding SPL output, for use in pro-sound applications. Ideally suited for medium to large vented boxes. Optimised for ported bass enclosures

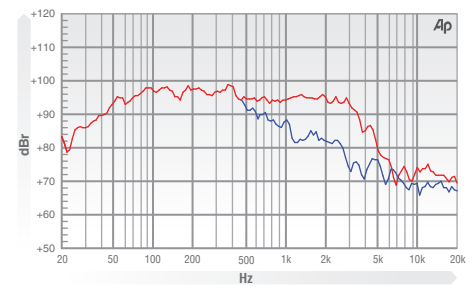
| ELECTRO ACOUSTIC SPECIFICATIONS | |
|-------------------------------------|-------------------|
| Nominal Chassis Diameter | 15" |
| Impedance | 8 Ω |
| Power Handling | 600 w (EIA 426A) |
| Peak Power (6dB Crest Factor) | 2400 w (EIA 426A) |
| Usable Frequency Range -6dB | 38 Hz - 3.5 kHz |
| Sensitivity (1 w - 1 m) | 98 dB |
| Moving Mass inc. Air Load | 82.39 |
| Minimum Impedance Zmin | 7 Ω |
| Effective Piston Diameter | 15.03" / 382 mm |
| Peak Displacement Volume of Cone Vd | 0.3 litres |
| Magnet Weight | 95 oz |
| Magnetic Gap Depth | 0.39" / 10 mm |
| Flux Density | 0.97 Tesla |
| Coil Winding Height | 0.74" / 19 mm |
| Voice Coil Diameter | 3" / 76.2 mm |

| THIELE SMALL PARAMETERS | |
|-------------------------|---------|
| FS Hz | 37 Hz |
| RE Ohms | 5.4 Ω |
| Qms | 6.28 |
| Qes | 0.414 |
| Qts | 0.389 |
| Vas Ltr | 240 |
| Vd litres | 0.468 |
| CMS (mm/N) | 0.234 |
| BL T/m | 17.5 |
| Mms (grms) | 80 |
| Xmax (mm) | 5.5 |
| Sd (cm ²) | 850 |
| Efficiency % | 2.83 |
| Le (1kHz) | 1.52 mH |

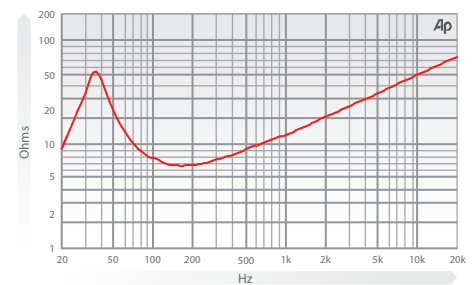
| MATERIALS OF CONSTRUCTION | |
|-----------------------------|--|
| Former Material | Glass Fibre |
| Voice Coil | Copper |
| Magnet Material | Ferrite |
| Chassis | Steel |
| Cone | Paper |
| Surround / Edge Termination | Polyvinyl Damped Dbl. Half Roll Linen |
| Dust Dome | Paper |
| Connectors | Solder Tag |
| Polarity | Positive Voltage at Red Terminal Causes Forward Motion of Cone |

| MOUNTING / SHIPPING INFORMATION | |
|---------------------------------|-------------------------------------|
| Overall Diameter | 15.00" / 381 mm |
| Flange Height | 0.35" / 9 mm |
| Baffle Hole Diameter F/M | 13.85" / 352 mm |
| Baffle Hole Diameter R/M | 13.85" / 352 mm |
| Gasket Supplied | Front & Rear |
| Fixing Holes | 8x 6.35 mm on 14.56" / 369.2 mm PCD |
| Depth | 6.65" / 169 mm |
| Weight | 17.96 lb / 8.15 kg |
| Recommended Enclosure Volume | 1.76 - 4.41 cu ft / 50 - 125 litres |
| Shipping Weight | 20.17 lb / 9.4 kg |
| Packing Carton Dimensions | 220 x 420 x 420 mm |

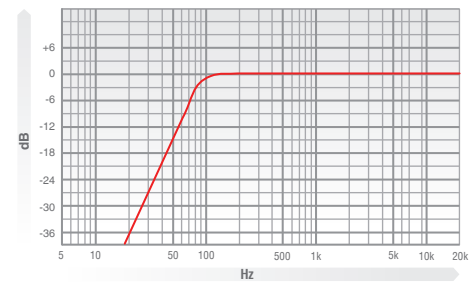
FREQUENCY RESPONSE DATA*



IMPEDANCE



PREDICTED BASS RESPONSE



* Half space response measured in a 975 litre sealed box ** Normalised bass response in 175 litre vented enclosure tuned to 40Hz • 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.