

SOVEREIGN PRO 15-600LF

BASS DRIVER

15" / 381 mm CHASSIS DIAMETER	600 W (A.E.S.) AES POWER HANDLING	35 Hz - 3.5 kHz FREQUENCY RESPONSE	3.0" / 76.2 mm COPPER VOICE COIL	98 dB SENSITIVITY (1W/ 1m)	6.9 mm Xmax MAXIMUM LINEAR EXCURSION
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- Highly versatile in 2-way ported enclosures.
- Smooth frequency response.
- Delivers tight accurate bass down to 40 Hz.
- UK manufactured cone with optimised pulp offering increased strength, durability and performance.

The Sovereign Pro 15-600LF is intended for use in two-way ported enclosures, such as the classic bass driver plus horn tweeter or compression driver format. The unit features a die-cast chassis with long throw motor system and long throw surround allowing solid bass reproduction at high-power levels. The driver exhibits a smooth frequency response to give a balanced tonal characteristic when properly matched to appropriate high-frequency drivers. The Sovereign Pro 15-600LF can also be used in ported bass enclosures to deliver tight accurate bass down to 40 Hz. The unit features a 3-inch voice coil with a power handling of 600 Watts and an average sensitivity of 98 dB.

ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	15" / 381 mm
Impedance	8 Ohm
Power Handling	600 W (A.E.S.)
Peak Power (6dB Crest Factor)	2400 W (A.E.S.)
Usable Frequency Range -6dB	35 Hz - 3.5 kHz
Sensitivity (1 w - 1 m)	98 dB
Moving Mass inc. Air Load	89 grams
Minimum Impedance Zmin	6.5 Ω
Effective Piston Diameter	13.03" / 330.96 mm
Magnet Weight	100 oz
Magnetic Gap Depth	0.39" / 10.00 mm
Flux Density	1.1 Tesla
Coil Winding Height	0.75" / 19.00 mm
Voice Coil Diameter	3.0" / 76.2 mm

MOUNTING / SHIPPING INFORMATION

Overall Diameter	16" / 406.4 mm
Width Across Flats	15.25" / 387.35 mm
Flange Height	0.30" / 7.62 mm
Baffle Hole Diameter F/M	13.85" / 351.79 mm
Baffle Hole Diameter R/M	14" / 355.6 mm
Gasket Supplied	Front & Rear
Outer Fixing Holes	4x Ø 0.281" on 15.5" PCD / 4x Ø 7.1 mm on 393.7 mm PCD
Inner Fixing Holes	8x Ø 0.281" on 14.56" PCD / 8x Ø 7.1 mm on 370 mm PCD
Depth	6.85" / 174.00 mm
Weight	20.49 lb / 9.30 kg
Recommended Enclosure Volume	2.64 - 5.29 cu ft / 75 - 150 Litres
Shipping Weight	23.03 lb / 10.45 kg
Packing Carton Dimensions	(W) 410 (D) 410 (H) 225 mm

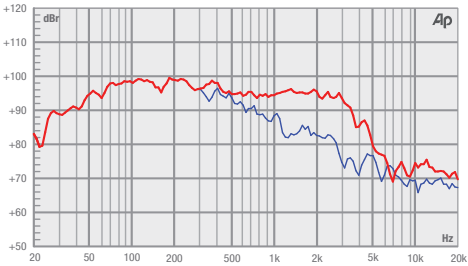
THIELE SMALL PARAMETERS

FS Hz	40 Hz
RE Ohms	6.5 Ω
Qms	8.800
Qes	0.380
Qts	0.370
Vas Ltr	188.00 Litres
Vd Litres	0.590 Litres
CMS (mm/N)	0.180 mm/N
BL T/m	19.7 T/m
Mms (grms)	89 grams
Xmax (mm)	6.9 mm
Sd (cm²)	856 cm²
Efficiency %	3.050%
Le (1k Hz)	1.85 mH
EBP	105.26 Hz

MATERIALS OF CONSTRUCTION

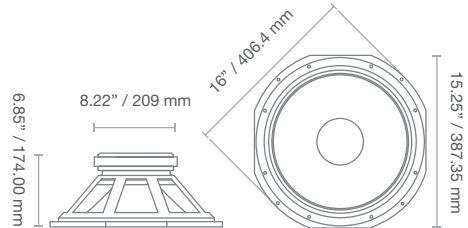
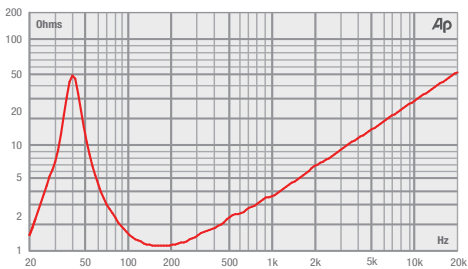
Former Material	Glass Fibre
Voice Coil	Copper
Magnet Material	Ferrite
Chassis	Die-cast Aluminium
Cone	Curvilinear Paper
Surround / Edge Termination	Polyvinyl Damped Multi Roll. Poly Cotton
Dust Dome	Paper
Connectors	Push-button Spring Terminals
Polarity	Positive voltage at red terminal causes forward 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 40 Hz and 400 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.