

SOVEREIGN PRO 15-600

SUB BASS DRIVER

15" / 381 mm CHASSIS DIAMETER	600 W (A.E.S.) AES POWER HANDLING	38 Hz - 3.5 kHz FREQUENCY RESPONSE	3.0" / 76.2 mm COPPER VOICE COIL	98 dB SENSITIVITY (1W/ 1m)	6 mm Xmax MAXIMUM LINEAR EXCURSION
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- Highly versatile in 2-way ported enclosures.
- Good bass, smooth mid range.
- UK manufactured cone with optimised pulp offering increased strength, durability and performance.
- Especially suited for horn loaded, band pass and small size bass reflex applications.

The Sovereign Pro 15-600 offers excellent linear response and well controlled bass reproduction down to 40 Hz. This makes the unit especially suitable for horn-loaded applications, band-pass enclosures and small size bass reflex systems. The 15-600 is a very good solution for two or three way systems when high BL and maximum punch is required.

ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	15" / 381 mm
Impedance	4 Ohm / 8 Ohm / 16 Ohm
Power Handling	600 W (A.E.S.)
Peak Power (6dB Crest Factor)	2400 W (A.E.S.)
Usable Frequency Range -6dB	38 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	85 oz
Magnetic Gap Depth	0.39" / 10.00 mm
Flux Density	1 Tesla
Coil Winding Height	0.70" / 18.00 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	6.69" / 169.92 mm
Weight	17.52 lb / 7.95 kg
Recommended Enclosure Volume	2.64 - 5.29 cu ft / 75 - 150 Litres
Shipping Weight	20.05 lb / 9.10 kg
Packing Carton Dimensions	(W) 410 (D) 410 (H) 210 mm

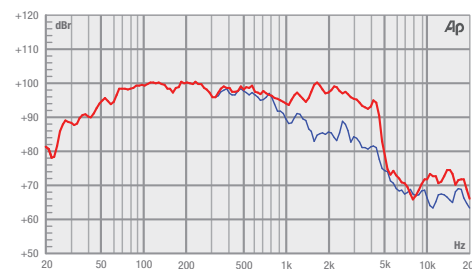
THIELE SMALL PARAMETERS

FS Hz	38 Hz
RE Ohms	5.4 Ω
Qms	3.520
Qes	0.390
Qts	0.351
Vas Ltr	201.00 Litres
Vd Litres	0.513 Litres
CMS (mm/N)	0.196 mm/N
BL T/m	17.5 T/m
Mms (grms)	89.5 grams
Xmax (mm)	6 mm
Sd (cm²)	850 cm²
Efficiency %	2.760%
Le (1k Hz)	1.95 mH
EBP	97.44 Hz

MATERIALS OF CONSTRUCTION

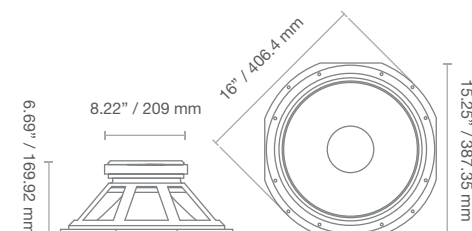
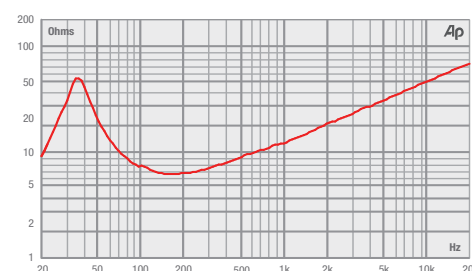
Former Material	Glass Fibre
Voice Coil	Copper
Magnet Material	Ferrite
Chassis	Die-cast Aluminium
Cone	Curvilinear Polycellulose
Surround / Edge Termination	Polyvinyl Damped Dbl. Half Roll Poly Cotton
Dust Dome	Solid Paper
Connectors	Push-button Spring Terminals
Polarity	Positive voltage at red terminal 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.