





SOVEREIGN PRO 15-600LF

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 97.5 dB.

THIELE SMALL PARAMETERS

FS Hz	40 Hz	
RE Ohms	6.5 Ω	
Qms	8.8	
Qes	0.38	
Qts	0.37	
Vas Ltr	188	
Vd litres	0.59	
CMS (mm/N)	0.18	
BL T/m	19.7	
Mms (grms)	89	
Xmax (mm)	6.9	
Sd (cm ²)	856	
Efficiency %	3.05	
Le (1k Hz)	1.85 mH	

MATERIALS OF CONSTRUCTION

ELECTRO ACOUSTIC SPECIFICATIONS

8Ω

600 w (EIA 426A)

2400 w (EIA 426A)

37 Hz - 3.5 kHz

13.03" / 331 mm 0.59 litres

0.39" / 10 mm

0.75" / 19 mm

3.00" / 76.2 mm

97.5 dB

89 grams

6.5 Ω

100 oz

1.1 Tesla

Nominal Chassis Diameter

Peak Power (6dB Crest Factor)

Usable Frequency Range -6dB

Sensitivity (1 w - 1 m)

Moving Mass inc. Air Load

Minimum Impedance Zmin

Effective Piston Diameter

Magnetic Gap Depth

Coil Winding Height

Voice Coil Diameter

Flux Density

Peak Displacement Volume of

Impedance

Cone Vd Magnet Weight

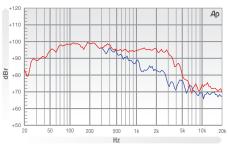
Power Handling

Former Material	Glass Fibre
Voice Coil	Copper
Magnet Material	Ferrite
Chassis	Die-cast Aluminium
Cone	Paper
Surround / Edge Termination	Multi Roll Polyvinyl Damped Fabric
Dust Dome	Paper
Connectors	Push-button Spring Terminals
Polarity	Positive Voltage at Red Terminal causes forward motion of cone

MOUNTING / SHIPPING INFORMATION

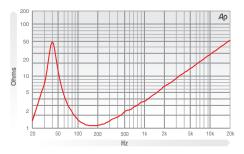
Overall Diameter	16" / 406.4 mm
Width Across Flats	15.25" / 387 mm
Flange Height	0.30" / 7.8 mm
Baffle Hole Diameter F/M	13.85" / 352 mm
Baffle Hole Diameter R/M	14" / 355.6 mm
Gasket Supplied	Front & Rear
Fixing Holes	4x 7.1mm on 15.5" / 393.7 mm pcd
Depth	6.92" / 176 mm
Weight	20.49 lb / 9.3 kg
Recommended Enclosure Volume	2.64 - 5.29 cu ft / 75 - 150 litres
Shipping Weight	23.03 lb / 10.45 kg
Packing Carton Dimensions	220 x 420 x 420 mm

FREQUENCY RESPONSE DATA*

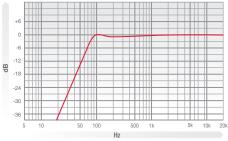


* Half space response measured in a 975 litre sealed box

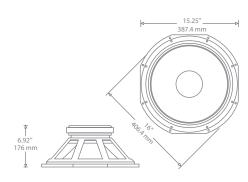
IMPEDANCE



PREDICTED BASS RESPONSE



** Normalized bass response in 175 litre 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.