## **ΓΛΝΕ**

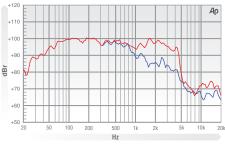




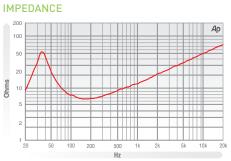
## **SOVEREIGN PRO 15-600**

The Sovereign Pro15-600 offers excellent linear response and well controlled 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.

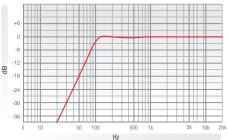
## **FREQUENCY RESPONSE DATA\***



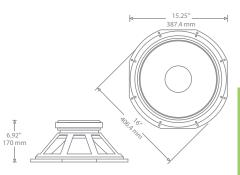
\* Half space response measured in a 975 litre sealed box



## PREDICTED BASS RESPONSE



\*\* Normalized bass response in 175 litre tuned to 45Hz



**ELECTRO ACOUSTIC SPECIFICATIONS** Nominal Chassis Diameter 15" Impedance 8Ω 600 w (EIA 426A) Power Handling Peak Power (6dB Crest Factor) 2400 w (EIA 426A) 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" / 331 mm 0.55 litres Peak Displacement Volume of Cone Vd Magnet Weight 85 oz Magnetic Gap Depth 0.39" / 10 mm Flux Density 1.0 Tesla **Coil Winding Height** 0.70" / 18 mm Voice Coil Diameter 3.00" / 76.2 mm

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 Half Roll Linen
Dust Dome	Solid Paper
Connectors	Push-button Spring Terminals
Polarity	Positive Voltage at Red Terminal Causes Forward Motion of Cone

THIELE SMALL PA	RAMETERS
FS Hz	38 Hz
RE Ohms	5.4 Ω
Qms	3.52
Qes	0.39
Qts	0.351
Vas Ltr	201
Vd litres	0.552
CMS (mm/N)	0.196
BL T/m	17.5
Mms (grms)	89.5
Xmax (mm)	6.5
Sd (cm²)	850
Efficiency %	2.76
Le (1k Hz)	1.95 mH

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	6.69" / 170 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 / 9.1 kg
Packing Carton Dimensions	220 x 420 x 420 mm

- 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.