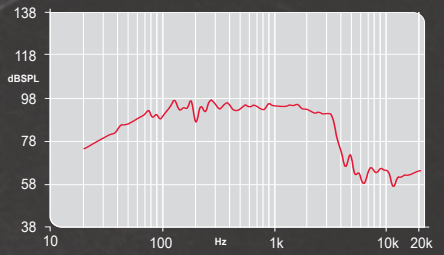


SOVEREIGN PRO 15-600 LF

SOVEREIGN PRO SERIES



FREQUENCY RESPONSE DATA: ¹



APPLICATION NOTES:

For use in pro-sound applications. Ideally suited for medium to large vented boxes. Also works well in a sealed box as a mid/bass or as a floor wedge.

ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	15"
Impedance	8 Ω
EIA 426A Power	600 w
Program Power	1200
Peak Power 6dB Crest Factor	2400
Frequency Range -3dB	37 Hz - 3.5 KHz
Sensitivity 1w - 1m	97 dB
Magnet Weight	120 oz
Magnetic Gap Depth	0.39" / 10 mm
Coil Diameter	3.0" / 76.2 mm
Flux Density (Tesla)	1.1
Coil Winding Length	1.02" / 26 mm
Coil Material	Copper
Former Material	Fibreglass

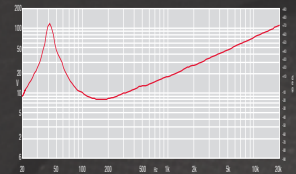
THIELE SMALL PARAMETERS

FS Hz	40 Hz
RE Ohms	6.5 Ω
Qms	8.3
Qes	0.39
Qts	0.37
Vas Ltr	135
Vd	0.59
CMS (mm/N)	0.13
BL T/m	22.62
Mms grms	122
Xmax mm	6.9
Sd cm ²	856.33
Efficiency %	2.16

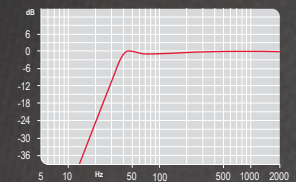
MOUNTING / SHIPPING INFORMATION

Overall Diameter	16.00" / 406 mm
Baffle Hole (Front Mount)	13.85" / 352 mm
Flange Height	0.30" / 7.8 mm
Mounting Hole Diameter and Quantity	4 x 7.1 mm
Mounting Hole P.C.D.	15.5" / 393.7 mm
Overall Height	6.92" / 176 mm
Nett Weight	9.3 kg
Shipping Weight	10.45 kg
Packing Carton	220 x 420 x 420 mm
Dimensions	

IMPEDANCE:



COMPUTER PREDICTED BASS RESPONSE: ²



MATERIALS OF CONSTRUCTION

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

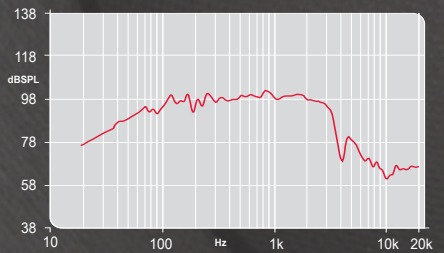
¹ Frequency response measured at 1W (2.83V) on IEC open baffle with a microphone distance of 1 metre

² Normalised bass response in 175 litre vented enclosure tuned to 40Hz

SOVEREIGN PRO 15-500



FREQUENCY RESPONSE DATA: ¹



APPLICATION NOTES:

For use in pro-sound applications. Ideally suited for medium to large vented boxes. Also works well in a sealed box as a mid/bass or as a floor wedge.

ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	15"
Impedance	8 Ω
EIA 426A Power	500 w
Program Power	1000
Peak Power 6dB Crest Factor	2000
Frequency Range -3dB	40 Hz - 3.5 KHz
Sensitivity 1w - 1m	99 dB
Magnet Weight	80 oz
Magnetic Gap Depth	0.39" / 10 mm
Coil Diameter	3.0" / 76.2 mm
Flux Density (Tesla)	0.95
Coil Winding Length	0.70" / 18 mm
Coil Material	Copper
Former Material	Fibreglass

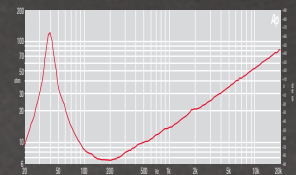
THIELE SMALL PARAMETERS

FS Hz	40 Hz
RE Ohms	5.3 Ω
Qms	8.1
Qes	0.32
Qts	0.3
Vas Ltr	192
Vd	0.493
CMS (mm/N)	0.184
BL T/m	19.3
Mms grms	85
Xmax mm	5.75
Sd cm ²	856.33
Efficiency %	3.7

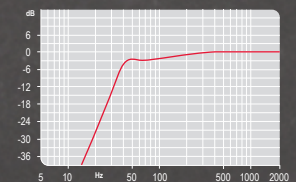
MOUNTING / SHIPPING INFORMATION

Overall Diameter	16.00" / 406 mm
Baffle Hole (Front Mount)	13.85" / 352 mm
Flange Height	0.30" / 7.8 mm
Mounting Hole Diameter and Quantity	4 x 7.1 mm
Mounting Hole P.C.D.	15.5" / 393.7 mm
Overall Height	6.49" / 165 mm
Nett Weight	7.95 kg
Shipping Weight	9.1 kg
Packing Carton	220 x 420 x 420 mm
Dimensions	

IMPEDANCE:



COMPUTER PREDICTED BASS RESPONSE: ²



MATERIALS OF CONSTRUCTION

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

¹ Frequency response measured at 1W (2.83V) on IEC open baffle with a microphone distance of 1 metre

² Normalised bass response in 175 litre vented enclosure tuned to 40Hz

FANE