

THE SOVEREIGN SERIES SOVEREIGN 12-200LT

FULL RANGE DRIVER

12" / 304.8 mm
CHASSIS DIAMETER

200 w (A.E.S.)
POWER HANDLING

98 dB
SENSITIVITY (1w / 1m)

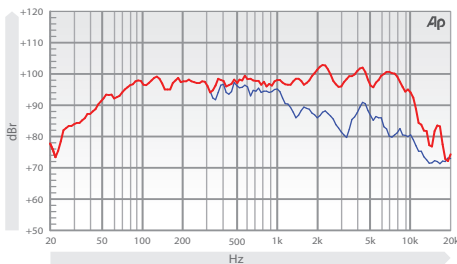
45 Hz - 10 kHz
FREQUENCY RESPONSE

2.0" / 50.8 mm
CCAW Voice Coil

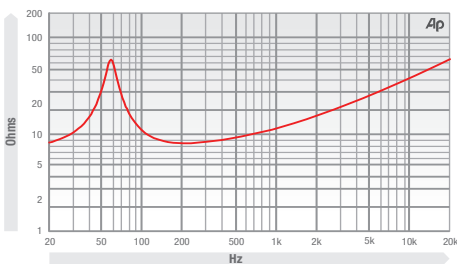
- Medium-power driver suited for full range output in compact PA systems.
- Twin cone model offering extended frequency range.
- Optimised cone pulp offering increased strength, durability and performance.

THE SOVEREIGN SERIES

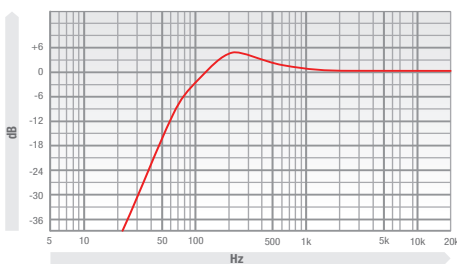
FREQUENCY RESPONSE DATA*



IMPEDANCE



PREDICTED BASS RESPONSE



ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	12" / 304.8 mm
Impedance	8 Ω
Power Handling	200 w (A.E.S.)
Peak Power (6dB Crest Factor)	800 w (A.E.S.)
Usable Frequency Range -6dB	45 Hz - 10 kHz
Sensitivity (1 w - 1 m)	98 dB
Moving Mass inc. Air Load	52 grams
Minimum Impedance Zmin	7.4 Ω
Effective Piston Diameter	10.31" / 261.87 mm
Peak Displacement Volume of Cone Vd	0.165 litres
Magnetic Gap Depth	0.31" / 7.87 mm
Flux Density	1.0 Tesla
Coil Winding Height	0.43" / 10.92 mm
Voice Coil Diameter	2.0" / 50.8 mm

MOUNTING / SHIPPING INFORMATION

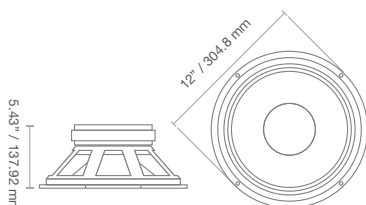
Overall Diameter	12" / 304.8 mm
Width Across Flats	N/A
Flange Height	0.27" / 6.9 mm
Baffle Hole Diameter F/M	11.25" / 285.75 mm
Baffle Hole Diameter R/M	11.25" / 285.75 mm
Gasket Supplied	Front & Rear
Fixing Holes	8x 7.0 mm on 11.75" / 298 mm PCD
Depth	5.43" / 137.92 mm
Weight	9.47 lb / 4.3 kg
Recommended Enclosure Volume	1.05 - 2.64 cu ft / 30 - 75 litres
Shipping Weight	11.24 lb / 5.1 kg
Packing Carton Dimensions	165 x 330 x 330 mm

THIELE SMALL PARAMETERS

FS Hz	50 Hz
RE Ohms	7.2 Ω
Qms	7.6
Qes	0.72
Qts	0.64
Vas Ltr	78.06 litres
Vd litres	0.165 litres
CMS (mm/N)	0.195 mm/N
BL T/m	13 T/m
Mms (grams)	52 grams
Xmax (mm)	5.25 mm
Sd (cm²)	530.9 cm²
Efficiency %	1.30%
Le (1k Hz)	1.56 mH

MATERIALS OF CONSTRUCTION

Former Material	1.0 Tesla
Voice Coil	Copper Clad Aluminium Wire
Magnet Material	Ferrite
Chassis	Pressed Steel
Cone	Paper
Surround / Edge Termination	Polyvinyl Damped Dbl. Half Roll Linen
Dust Dome	Paper
Connectors	Solder Tag
Polarity	Positive voltage at red terminal causes forward motion of cone



- Please enquire about alternative impedances.
- A.E.S. power handling test. Pink noise bandpass filtered at 12 dB per octave. Driver mounted in free air, test signal applied at rated power for 2 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.
- Technical Schematic provided for illustrative purposes only and is not indicative of the actual product.

SOVEREIGN 12-200LT

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