



# SOVEREIGN 12-200

BASS/ MID RANGE DRIVER

<b>12" / 304.8 mm</b> CHASSIS DIAMETER	<b>200 W (A.E.S.)</b> AES POWER HANDLING	<b>45 Hz - 4 kHz</b> FREQUENCY RESPONSE	<b>2.0" / 50.8 mm</b> COPPER VOICE COIL	<b>100 dB</b> SENSITIVITY (1W/ 1m)	<b>5.5 mm Xmax</b>
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- Medium-power driver ideal for use in pro-sound applications.
- Intended for use as a mid/ bass driver and in medium sized vented boxes as a woofer.
- Optimised cone pulp offering increased strength, durability and performance.

### ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	12" / 304.8 mm
Impedance	8 Ohm
Power Handling	200 W (A.E.S.)
Peak Power (6dB Crest Factor)	800 W (A.E.S.)
Usable Frequency Range -6dB	45 Hz - 4 kHz
Sensitivity (1 w - 1 m)	100 dB
Moving Mass inc. Air Load	44 grams
Minimum Impedance Zmin	7.4 Ω
Effective Piston Diameter	10.31" / 261.87 mm
Magnet Weight	38 oz
Magnetic Gap Depth	0.31" / 7.87 mm
Flux Density	1 Tesla
Coil Winding Height	0.59" / 14.98 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
Outer Fixing Holes	8x Ø 7.0 mm on 11.75" / 298 mm PCD
Inner Fixing Holes	N/A
Depth	5.43" / 137.92 mm
Weight	7.71 lb / 3.50 kg
Recommended Enclosure Volume	1.05 - 2.64 cu ft / 30 - 75 Litres
Shipping Weight	9.47 lb / 4.30 kg
Packing Carton Dimensions	(W) 330 (D) 330 (H) 170 mm

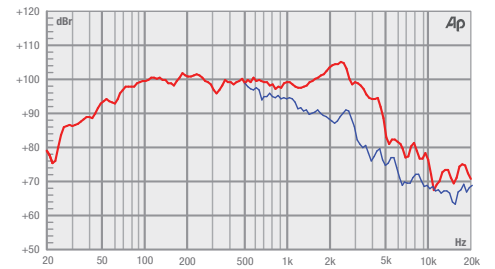
### THIELE SMALL PARAMETERS

FS Hz	45 Hz
RE Ohms	5.1 Ω
Qms	7.100
Qes	0.472
Qts	0.440
Vas Ltr	103.00 Litres
Vd Litres	0.291 Litres
CMS (mm/N)	0.250 mm/N
BL T/m	12.3 T/m
Mms (grms)	44 grams
Xmax (mm)	5.5 mm
Sd (cm²)	530 cm²
Efficiency %	2.290%
Le (1k Hz)	1.56 mH
EBP	95.34 Hz

### MATERIALS OF CONSTRUCTION

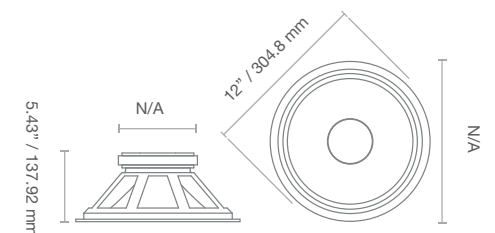
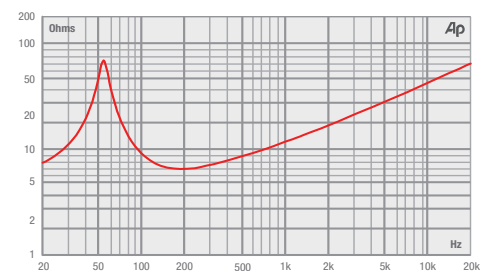
Former Material	Glass Fibre
Voice Coil	Copper
Magnet Material	Ferrite
Chassis	Pressed Steel
Cone	Paper
Surround / Edge Termination	Polyvinyl Damped Multi Roll Linen
Dust Dome	Paper
Connectors	Solder Tag
Polarity	Positive voltage at red terminal causes forward motion of cone

### 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 45 Hz and 450 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.