



SOVEREIGN 12-200LT

FULL RANGE DRIVER

12" / 304.8 mm CHASSIS DIAMETER	200 W (A.E.S.) AES POWER HANDLING	45 Hz - 10 kHz FREQUENCY RESPONSE	2.0" / 50.8 mm COPPER CLAD ALUMINIUM WIRE VOICE COIL	98 dB SENSITIVITY (1W/ 1m)	5.25 mm Xmax
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- 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.

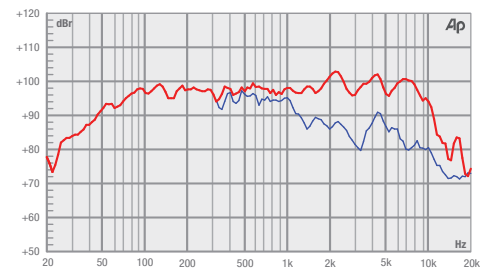
ELECTRO ACOUSTIC SPECIFICATIONS

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 - 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
Magnet Weight	56 oz
Magnetic Gap Depth	0.31" / 7.87 mm
Flux Density	1 Tesla
Coil Winding Height	0.43" / 10.92 mm
Voice Coil Diameter	2.0" / 50.8 mm

THIELE SMALL PARAMETERS

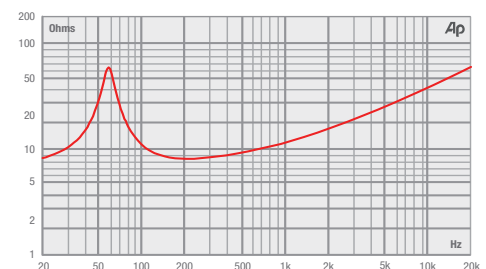
FS Hz	50 Hz
RE Ohms	7.2 Ω
Qms	7.600
Qes	0.720
Qts	0.640
Vas Ltr	78.06 Litres
Vd Litres	0.165 Litres
CMS (mm/N)	0.195 mm/N
BL T/m	13 T/m
Mms (grms)	52 grams
Xmax (mm)	5.25 mm
Sd (cm²)	530.9 cm²
Efficiency %	1.300%
Le (1k Hz)	1.56 mH
EBP	69.44 Hz

FREQUENCY RESPONSE DATA*



† Half space response measured in a 975 Litre sealed box.

IMPEDANCE

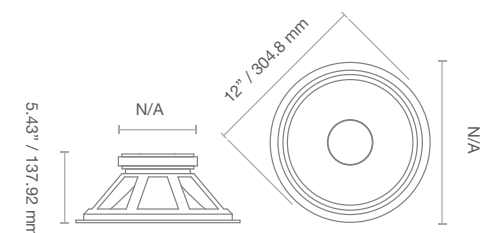


MOUNTING / SHIPPING INFORMATION

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	9.47 lb / 4.30 kg
Recommended Enclosure Volume	1.05 - 2.64 cu ft / 30 - 75 Litres
Shipping Weight	11.24 lb / 5.10 kg
Packing Carton Dimensions	(W) 330 (D) 330 (H) 170 mm

MATERIALS OF CONSTRUCTION

Former Material	Glass Fibre
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.