

STUDIO 5M

Exceptional efficiency, power handling and frequency coverage from compact dimensions. Primarily for mid-range in compact vocal and studio systems. Extended usable frequency response makes it also suitable for multi-unit PA systems. Performance is optimised for high quality, mid-range usage over a bandwidth of 900Hz - 8kHz in multi way systems.

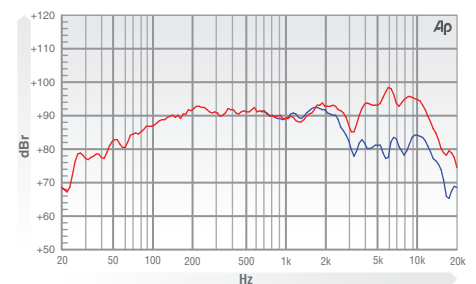
ELECTRO ACOUSTIC SPECIFICATIONS	
Nominal Chassis Diameter	5"
Impedance	8, 16 Ω
Power Handling	50 w (A.E.S.)
Peak Power (6dB Crest Factor)	200 w (A.E.S.)
Usable Frequency Range -6dB	900 Hz - 8 kHz
Sensitivity (1 w - 1 m)	92.5 dB
Moving Mass inc. Air Load	4.8 grams
Minimum Impedance Zmin	
Effective Piston Diameter	4.2" / 106 mm
Peak Displacement Volume of Cone Vd	0.05 litres
Magnet Weight	36 oz
Magnetic Gap Depth	0.250" / 6.35 mm
Flux Density	1.45 Tesla
Coil Winding Height	0.315" / 8.0mm
Voice Coil Diameter	1.0" / 25mm

MATERIALS OF CONSTRUCTION	
Former Material	Resin Bonded Glass Fibre
Voice Coil	Polyamid-Imide Coated Copper
Magnet Material	APS Ferrite
Chassis	Die-cast Aluminium
Cone	Paper
Surround / Edge Termination	Foam Plastic
Dust Dome	Linen
Connectors	0.125" Tab / Solder
Polarity	Positive Voltage at Red Terminal Causes forward motion of cone

THIELE SMALL PARAMETERS	
FS Hz	97 Hz
RE Ohms	5.6 Ω
Qms	9.2
Qes	0.32
Qts	0.31
Vas Ltr	5.8
Vd litres	0.05
CMS (mm/N)	5.4
BL T/m	7.17
Mms (grms)	4.8
Xmax (mm)	2.75
Sd (cm ²)	84.95
Efficiency %	1.65
Le (1k Hz)	0.48 mH

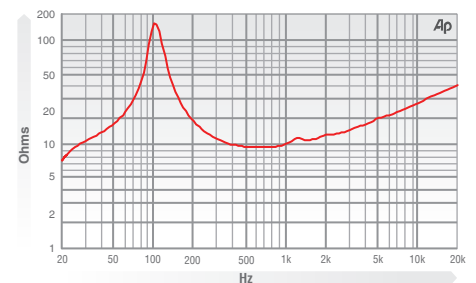
MOUNTING / SHIPPING INFORMATION	
Overall Diameter	6" / 152.4 mm
Width Across Flats	5.25" / 133.35 mm
Flange Height	0.270" / 6.9 mm
Baffle Hole Diameter F/M	4.63" / 117.5 mm
Baffle Hole Diameter R/M	4.50" / 114.3 mm
Gasket Supplied	Front & Rear
Fixing Holes	4x 0.218" / 5.5 dia x5.468 / 138.8 PCD
Depth	3.38" / 86 mm
Weight	5.7 lb / 2.46 kg
Recommended Enclosure Volume	0.7 - 1.5 cu ft / 2 - 4litres
Shipping Weight	5.7 lb / 2.6 kg
Packing Carton Dimensions	156 x 102 x 143 mm

FREQUENCY RESPONSE DATA*

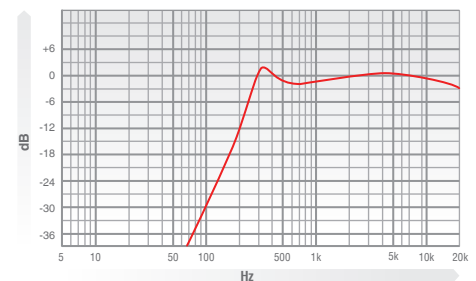


* Half space response measured in a 975 litre sealed box

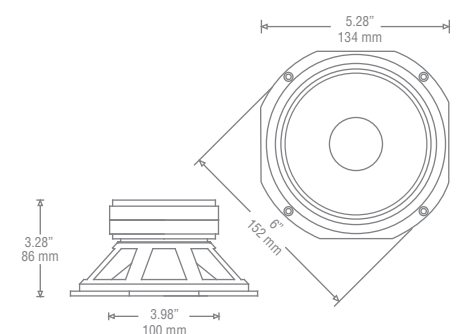
IMPEDANCE



PREDICTED BASS RESPONSE



** Normalized bass response in 175 litre tuned to 35Hz



- Please enquire about alternative impedances.
- A.E.S. power handling test. Pink noise bandpass filtered at 12 dB per octave with cutoff frequencies of 50 Hz and 500 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.