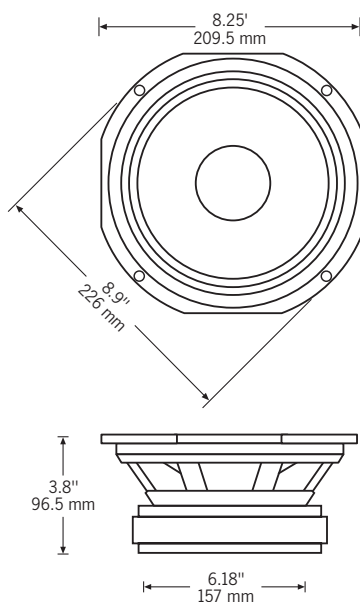


The Crescendo 8M is designed as a dedicated mid driver, providing high output, low distortion midrange from 250 Hz to 4 kHz. Built around a die cast chassis, the driver features a 2 inch voice coil driven by a non inductive motor system which dramatically reduces third harmonic and intermodulation distortion. The unit exhibits an

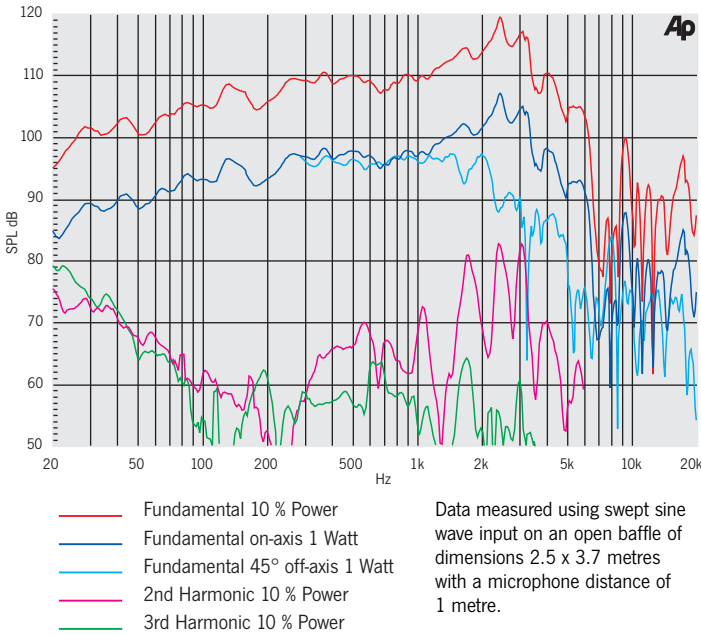
average sensitivity of 98 dB over the operating band, with an A.E.S. power handling of 175 Watts. The combined heatsinking effect of the large magnet structure and diecast chassis yields low power compression, producing maximum output levels of over 120 dB. the Crescendo 8M is best mounted in sealed enclosures of 1.5 to 5 litres.



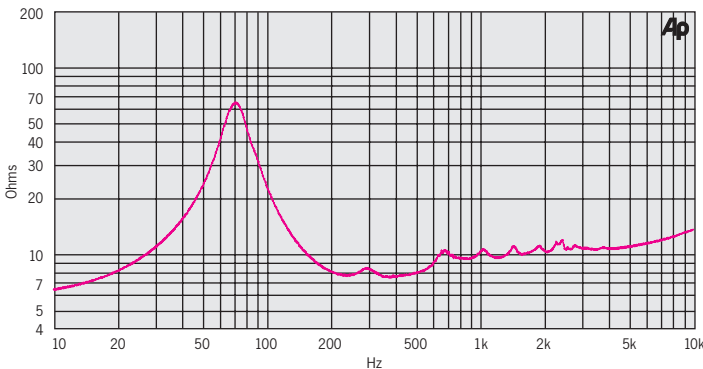
### Mounting information

Overall Diameter	8.9 inch/226 mm
Width Across Flats	8.25 inch/209.5 mm
Flange Thickness	0.28 inch/7 mm
Baffle Hole Diameter, Front Mount	7.33 inch/186 mm
Gasket Supplied	Rear
Fixing Holes	4 x 0.218 inch diam on 8.41 PCD 4 x 5.5 mm diam on 213.5 PCD
Depth	3.8 inch/96.5 mm
Weight	10.1 lb/4.6 kg
Recommended Enclosure Volume	0.05-0.18 cu ft/1.5-5 litres
Volume Displaced by Driver	0.046 cu ft/1.3 litres
Shipping Weight	10.6 lb/4.8 kg
Packing Carton Dimensions	235 x 235 x 165 mm

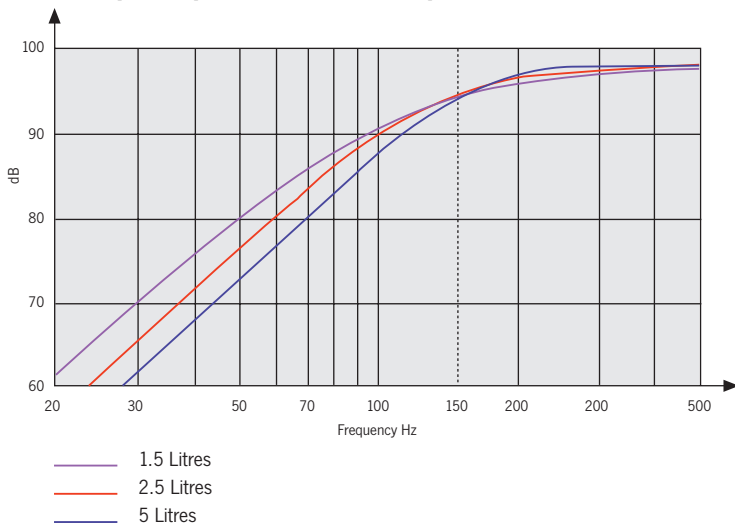
### Frequency response data



### Impedance



### Computer predicted bass response



### Electro mechanical specifications

Nominal Chassis Diameter	8 inch/200 mm
Impedance	8 Ω
Power Handling	175 (A.E.S.) <sup>1</sup>
Maximum Output Continuous/Peak	115/121 dB
Power Compression at Rated Power	4.7 dB
Usable Frequency Range (-6 dB)	150 Hz-4.5 kHz
Average Sensitivity (in above range) 1W/1m	98 dB
Recommended Frequency Range filtered at 12 dB/octave	250 Hz-4 kHz
Resonance	80 Hz
Moving Mass inc. Air Load	18.8 grams
BL Product (Newtons/amp)	13.27
Minimum Impedance (Zmin)	7.5 Ω
Effective Piston Diameter	6.46 inch/0.164 mm
Flux Density	1.17 Tesla
Magnetic Gap Depth	0.35 inch/9 mm
Coil Winding Height	0.47 inch/12 mm
Voice Coil Length	41.2 feet/12.5 m
Magnet Weight	65 oz/1.83 kg
Maximum Cone Displacement	0.35 inch/9 mm
Peak Displacement Volume of Cone, Vd	0.06 litres
Voice Coil Diameter	2.0 inch/50.8 mm

### Construction materials

Coil Former	Fibreglass
Voice Coil Material	Aluminium
Magnet	Ferrite
Chassis	Die Cast Aluminium
Cone	Curvilinear Paper
Surround/Edge Termination	Polyvinyl Damped Double Half Roll Linen
Dust Dome	Solid Paper
Connectors	4.8 by 0.5 mm tag/solder Terminals
Polarity	Positive voltage at red terminal causes forward motion of cone

### Thiele-Small parameters

Resonant Frequency fs	80 Hz
D.C Resistance Re	5.6 Ω
Qts	0.284
Qes	0.299
Qms	5.61
Mms (grams)	18.8
Cms (microns per Newton)	211
BL Product	13.27 Tesla metres
Vas	13.14 litres
Reference Efficiency ηo	2.18 %
Piston Area Sd	0.021 m <sup>2</sup>
Xmax	1.5 mm

<sup>1</sup> A.E.S. power handling test. Pink noise bandpass filtered at 12 dB per octave with cutoff frequencies of 30 Hz and 300 Hz. Driver mounted in free air, test signal applied at rated power for two hours.