

CRESCENDO 8MN



PROFESSIONAL SERIES

ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	8"
Impedance	8 Ω
Power Handling	200 (A.E.S.)
Usable Frequency Range -6dB	150 Hz - 4.5 kHz
Sensitivity 1 w - 1 m	99 dB
Moving Mass inc. Air Load	21.54 grams
Minimum Impedance Zmin	7 Ω
Effective Piston Diameter	6.46" / 164 mm
Peak Displacement Volume of Cone Vd	0.06 litres
Magnet Weight	N/A
Magnetic Gap Depth	0.035" / 9 mm
Flux Density	1.1 Tesla
Coil Winding Height	0.47" / 12 mm
Voice Coil Length	41.2 ft / 12.5 m
Voice Coil Diameter	2.0" / 50.8 mm

THIELE SMALL PARAMETERS

FS Hz	80 Hz
RE Ohms	5.5 Ω
Qms	8.86
Qes	0.41
Qts	0.4
Vas Ltr	13.62
Vd Litres	0.06
CMS (mm/N)	0.188
BL T/m	12.5
Mms (grms)	21.54
Xmax mm	1.5
Sd cm ²	225.9 cm ²
Efficiency %	1.75

MOUNTING / SHIPPING INFORMATION

Overall Diameter	8.9" / 226 mm
Width Across Flats	8.25" / 209.5 mm
Flange Height	0.28" / 7 mm
Baffle Hole Diameter F/M	7.33" / 186 mm
Baffle Hole Diameter R/M	N/A
Gasket Supplied	Rear
Fixing Holes	4 x 0.218" / 5.5 dia
Depth	213.5 / 8.41 PCD
Weight	3.51" / 89.5 mm
Recommended Enclosure	4.6 lb / 1.9 kg
Volume	0.05-0.018 cu ft / 1.5-5 litres
Volume Displaced by Driver	1.05 litres
Shipping Weight	5.2 lb / 2.3 kg
Packing Carton Dimensions	235 x 235 x 165 mm

MATERIALS OF CONSTRUCTION

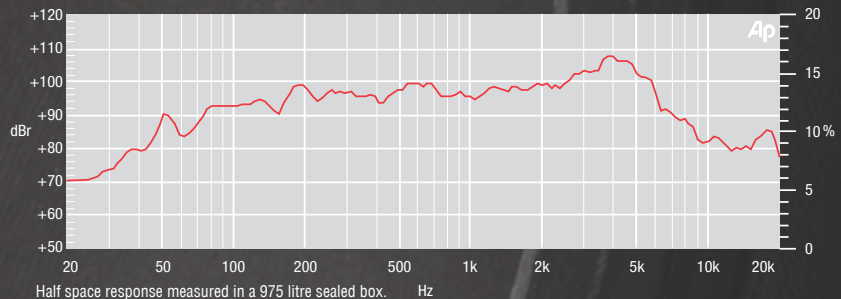
Former Material	Glass Fibre
Voice Coil	Aluminium
Magnet Material	Neodymium
Chassis	Die-cast Aluminium
Cone	Curvilinear Paper
Surround / Edge Termination	Polyvinyl Damped Dbl Half Roll Linen
Dust Dome	Solid Paper
Connectors	4.8 x 0.5 mm tag / solder pad
Polarity	Positive Voltage at Red Terminal Causes Forward Motion of Cone

APPLICATION NOTES:

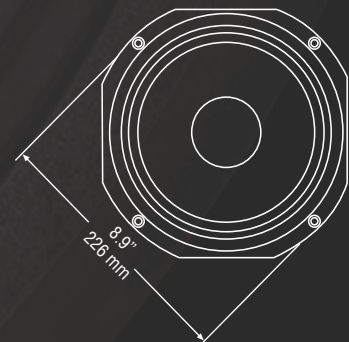
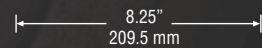
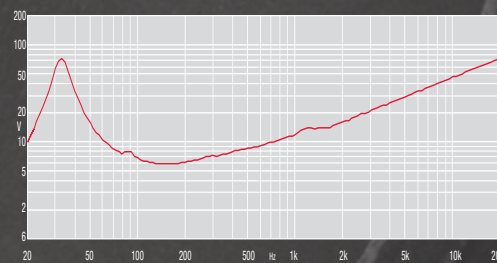
Exceptional efficiency, power handling and frequency coverage from compact dimensions. Providing high output and low distortion from 250Hz to 6kHz.

Built around a ridged die cast chassis the driver features a 2" voice coil driven by a compact neo motor system. Extended usable frequency response makes it also suitable for multi-unit PA systems.

FREQUENCY RESPONSE DATA:



IMPEDANCE:



- Please inquire about alternative impedances.
- A.E.S. power handling test. Pink noise bandpass filtered at 12 dB per octave with cutoff frequencies of 150 Hz and 1.5 kHz. 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.

FANE