CRESCENDO 10MB

PROFESSIONAL SERIES

ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	10”
Impedance	8 Ω
Power Handling	300 (A.E.S.)
Usable Frequency Range -6dB	48 Hz - 4 kHz
Sensitivity 1 w - 1m	96 dB
Moving Mass inc. Air Load	39 grams
Minimum Impedance Zmin	7 Ω
Effective Piston Diameter	8.19” / 208 mm
Peak Displacement Volume of Cone Vd	0.26 litres
Magnet Weight	78 oz
Magnetic Gap Depth	0.31” / 8 mm
Flux Density	1.24 Tesla
Coil Winding Height	0.61” / 15.5 mm
Voice Coil Length	57.8 ft / 17.6 m
Voice Coil Diameter	2.5” / 63.7 mm

THIELE SMALL PARAMETERS

FS Hz	54 Hz
RE Ohms	5.6 Ω
Qms	5.17
Qes	0.283
Qts	0.268
Vas Ltr	36
Vd Litres	0.26
CMS (mm/N)	0.223
BL T/m	16.2
Mms (grms)	39
Xmax mm	3.75
Sd cm2	0.034 m2
Efficiency %	1.93

MOUNTING / SHIPPING INFORMATION

Overall Diameter	11.16” / 283.4 mm
Width Across Flats	10.343” / 262.7 mm
Flange Height	0.305” / 7.8 mm
Baffle Hole Diameter F/M	8.97” / 228 mm
Baffle Hole Diameter R/M	N/A
Gasket Supplied	Rear
Fixing Holes	4 x 0.218” diam on 10.625 PCD 4 x 5.5 mm diam on 270 PCD
Depth	4.33” / 110 mm
Weight	14.1 lb / 6.4 kg
Recommended Enclosure Volume	0.53-1.41 cu ft / 15-40 litres
Volume Displaced by Driver	0.067 cu ft / 1.9 litres
Shipping Weight	15.7 lb / 7.1 kg
Packing Carton Dimensions	288 x 288 x 195 mm

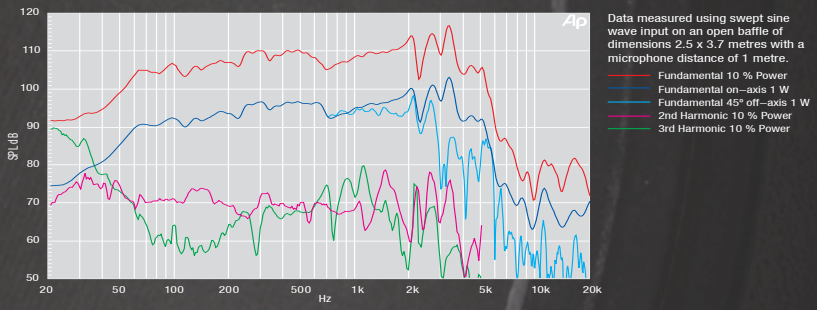
MATERIALS OF CONSTRUCTION

Former Material	Fibreglass
Voice Coil	Aluminium
Magnet Material	Ferrite
Chassis	Die-cast Aluminium
Cone	Curvilinear Paper
Surround / Edge Termination	Polyvinyl Damped Half Roll Linen
Dust Dome	Solid Paper
Connectors	Push-button Spring Terminals
Polarity	Positive Voltage at Red Terminal Causes Forward Motion of Cone

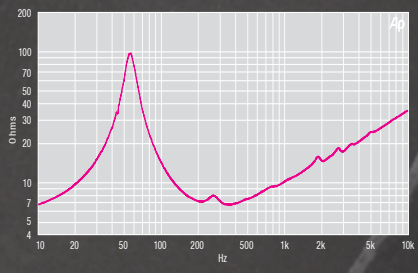
APPLICATION NOTES:

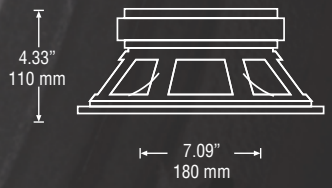
The Crescendo mid bass drivers are intended for use in two-way ported enclosures, such as the classic bass driver plus horn tweeter or compression driver format. All feature die-cast chassis with long throw motor systems and high linearity suspensions allowing solid bass reproduction at high-power levels. The drivers exhibit smooth frequency responses to give a balanced tonal characteristic when properly matched to appropriate high-frequency drivers. The 10MB is designed for use in 15 to 40 litre ported enclosures and features a 2.5-inch voice coil, 300 Watt power handling and 96 dB sensitivity. It can also be used in an ultra compact top cab, along with a subwoofer.

FREQUENCY RESPONSE DATA:

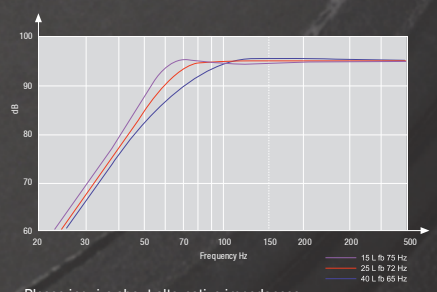


IMPEDANCE:





COMPUTER PREDICTED BASS RESPONSE:



- Please inquire about alternative impedances.
- 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 al rated power for two hours.

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