



**AERONS
SPEAKER**
PROFESSIONAL AUDIO SYSTEM



MB12N650.16

1300W Continuous program power
50-2.5KHz Frequency range
87.5mm Voice coil
96dB Sensitivity
Optimized magnet and FEA analyse



GENERAL SPECIFICATIONS

Nominal Diameter	12inch
Nominal Impedance	16ohm
Program Power	1300watts
Power Handling	650watts
Sensitivity	96.0dB
Frequency Range	50-2.5KHz
Effective Diaphragm Diameter	260mm
Minimum Impedance	5.6ohm
Voice-coil Diameter	87.5mm
Voice-coil Material	Copper
Voice-coil Winding Depth	21mm
Numbers of layer(s)	2
Kind of layer	IN/Out
Magnet Gap Depth	10mm
Magnet Size	85*8mm

THIELE-SMALL PARAMETERS

Resonance Frequency	Fs	56.3 Hz
DC Resistance	Rte	10.8 ohm
Mechanical Factor	Qms	3.6
Electrical Factor	Qes	0.39
Total Factor	Qts	0.35
BL Factor	BL	26 T-m
Effective Moving Mass	Mms	69.7gr
Equivalent Cas Air Load	Vas	46.7 liters
Effective Piston Area	Sd	137 cm ²
Max. Linear Excursion	Xmax	5.5mm
Half Space Efficiency	Eff	2.04%

MOUNTING & SHIPPING INFORMATION

Overall Diameter	315.5/12.42	mm /inch
Bolt Circle Diameter	298.5/11.75	mm /inch
Bolt Hole Diameter	8 /0.314	mm/inch
Mount Buffer Cut-out	284/11.18	mm/inch
Depth	145/5.70	mm/inch
Net Weight	4.25/9.36	kg /lbs

