



AERONS (INDIA)

# CARBON FIBER SERIES

**AERONS  
SPEAKER**  
PROFESSIONAL AUDIO SYSTEM



## 12CF550

**550W RMS Power**

**55Hz - 3KHz Frequency Range**

**3 inch Voice Coil**

**99dB Sensitivity**

**200\*25mm magnet**



### GENERAL SPECIFICATIONS

Nominal Diameter	12inch
Nominal Impedance	8ohm
Minimum Impedance	5.5ohm
Nominal Power Handling	550Watts
Continuous Power Handling	1100Watts
Sensitivity	99dB
Frequency Range	55-3000Hz
Voice-coil Diameter	75.5mm
Voice-coil Material	Copper clad aluminium
Voice-coil Winding Depth	16 mm
Effective Diaphragm Diameter	260Mm
Kind of layer	out
Number of layers	2
Top Plate Thickness	10mm
Spider	Polyester and cotton blended
Flux Density	1.0T
Magnet Diameter	200*25mm
Magnet Material	Ferrite
Magnet Grade	Y35
Magnet Gap Depth	10

### THIELE-SMALL PARAMETERS

Resonance Frequency	Fs	70Hz
DC Resistance	Rte	5.7ohm
Mechanical Factor	Qms	5.82
Electrical Factor	Qes	0.403
Total Factor	Qts	0.377
BL Factor	BL	20.713T-m
Effective Moving Mass	Mms	68.9gr
Equivalent Gas Air Load	Vas	32.3liter
Effective Piston Area	Sd	0.55 m <sup>2</sup>
Max. Linear Excursion	Xmax	4mm
Half Space Efficiency	Eff	2.67%
Efficiency Bandwidth Product	EBP	175
Compliance Value	Cms	0.074

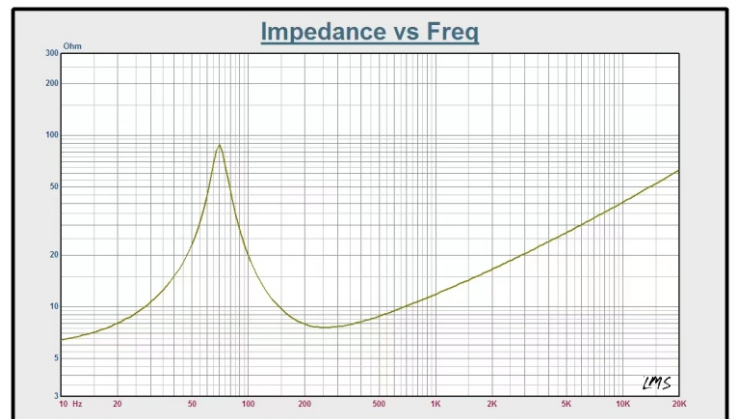
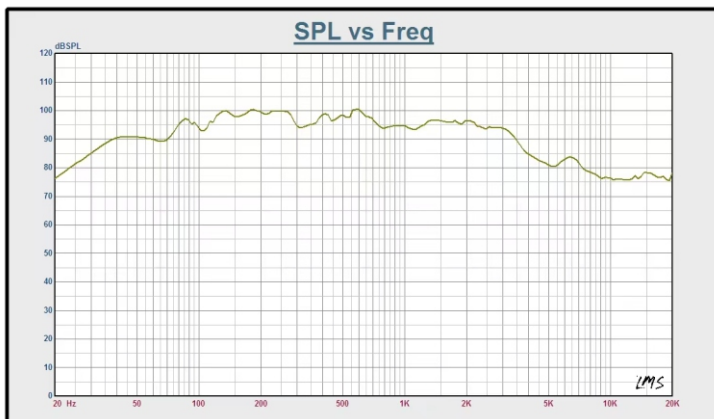
### MOUNTING & SHIPPING INFORMATION

Overall Diameter	315mm
Buffer Cut-out Dia.	284mm
Bolt Circle Dia.	297mm
Bolt Hole Dia.	7.0mm
Gasket Thickness	9mm
Overall Depth	143mm
Magnet Dia.	200mm
Net Weight	8 kg

Stronger & Lighter



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FIBER CONE**



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[www.aeronsindia.com](http://www.aeronsindia.com)