



AERONS (INDIA)

# CARBON FIBER SERIES

**AERONS  
SPEAKER**  
PROFESSIONAL AUDIO SYSTEM



## 18CF2100

**2100W RMS Power**  
**35Hz - 1000Hz Frequency Range**  
**5.5 inch Voice Coil**  
**98.5dB Sensitivity**  
**280\*25mm X2 magnet**

### GENERAL SPECIFICATIONS

Nominal Diameter	18inch
Nominal Impedance	8ohm
Minimum Impedance	5.5ohm
Nominal Power Handling	2100Watts
Continuous Power Handling	4200Watts
Sensitivity	98.5dB
Frequency Range	35-1000Hz
Voice-coil Diameter	140mm
Voice-coil Material	Copper
Voice-coil Winding Depth	32 mm
Effective Diaphragm Diameter	400Mm
Kind of layer	In/out
Number of layers	2
Top Plate Thickness	16mm
Spider	Polyester and cotton blended
Flux Density	1.2T
Magnet Diameter	280*25mm x2
Magnet Material	Ferrite
Magnet Grade	Y35
Magnet Gap Depth	16

**2XMAGNET**  
Dual Magnet Design

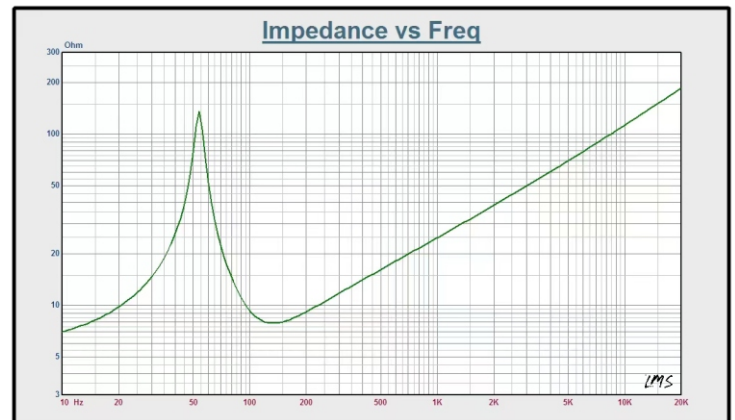
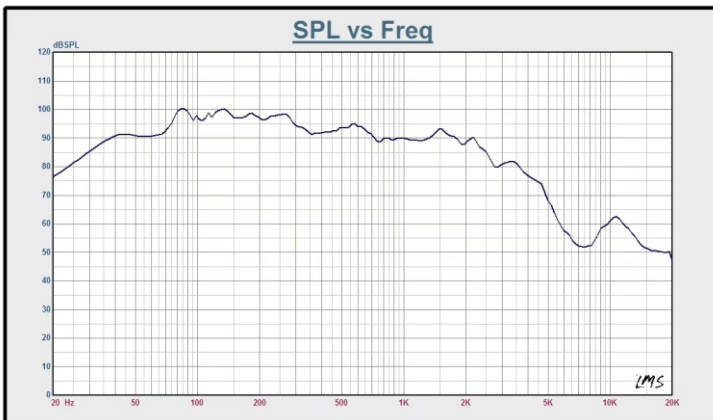


### THIELE-SMALL PARAMETERS

Resonance Frequency	Fs	35Hz
DC Resistance	Rte	5.6ohm
Mechanical Factor	Qms	9.9
Electrical Factor	Qes	0.435
Total Factor	Qts	0.417
BL Factor	BL	38.5T-m
Effective Moving Mass	Mms	237gr
Equivalent Cas Air Load	Vas	58.6liter
Effective Piston Area	Sd	1.257 m <sup>2</sup>
Max. Linear Excursion	Xmax	8mm
Half Space Efficiency	Eff	2.31%
Efficiency Bandwidth Product	EBP	123
Compliance Value	Cms	0.026

### MOUNTING & SHIPPING INFORMATION

Overall Diameter	471mm
Buffer Cut-out Dia.	422mm
Bolt Circle Dia.	442mm
Bolt Hole Dia.	7.0mm
Gasket Thickness	10mm
Overall Depth	220mm
Magnet Dia.	280mm
Net Weight	30 kg



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