



AERONS (INDIA)

CARBON FIBER SERIES

**AERONS
SPEAKER**
PROFESSIONAL AUDIO SYSTEM



18CF1300

1300W RMS Power
35Hz - 1000Hz Frequency Range
4 inch Voice Coil
98dB Sensitivity
220*30mm magnet

GENERAL SPECIFICATIONS

Nominal Diameter	18inch
Nominal Impedance	8ohm
Minimum Impedance	5.5ohm
Nominal Power Handling	1300Watts
Continuous Power Handling	2600Watts
Sensitivity	98dB
Frequency Range	35-1000Hz
Voice-coil Diameter	100mm
Voice-coil Material	Copper
Voice-coil Winding Depth	26 mm
Effective Diaphragm Diameter	400Mm
Kind of layer	In/out
Number of layers	2
Top Plate Thickness	12mm
Spider	Polyester and cotton blended
Flux Density	1.1T
Magnet Diameter	220*30mm
Magnet Material	Ferrite
Magnet Grade	Y35
Magnet Gap Depth	12

THIELE-SMALL PARAMETERS

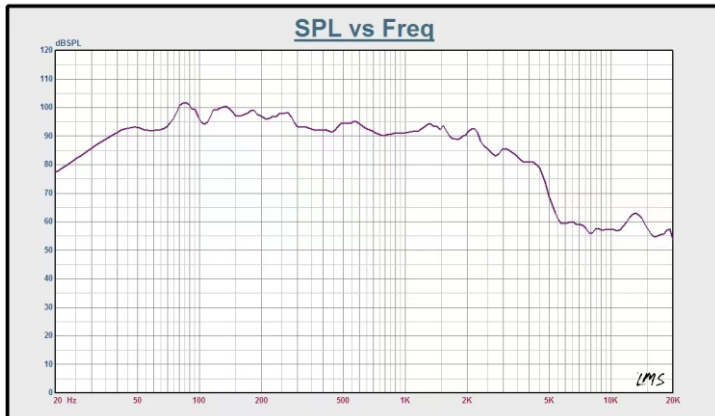
Resonance Frequency	Fs	36.6Hz
DC Resistance	Rte	5.7ohm
Mechanical Factor	Qms	7.1
Electrical Factor	Qes	0.464
Total Factor	Qts	0.435
BL Factor	BL	24.1T-m
Effective Moving Mass	Mms	205.3gr
Equivalent Cas Air Load	Vas	206liter
Effective Piston Area	Sd	1.257 m ²
Max. Linear Excursion	Xmax	7mm
Half Space Efficiency	Eff	2.21%
Efficiency Bandwidth Product	EBP	79
Compliance Value	Cms	0.017



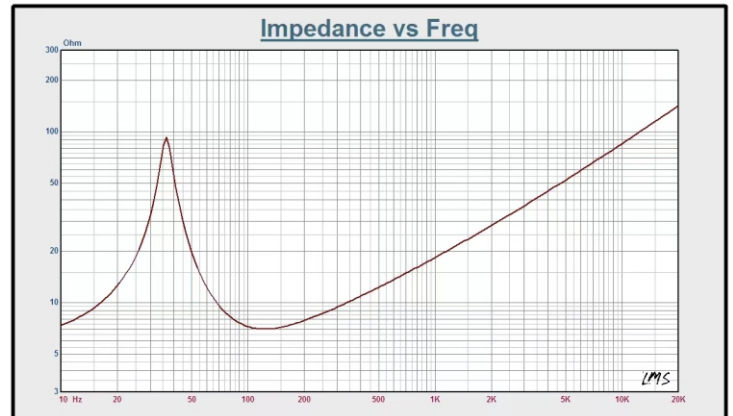
MOUNTING & SHIPPING INFORMATION

Overall Diameter	460mm
Buffer Cut-out Dia.	422mm
Bolt Circle Dia.	440mm
Bolt Hole Dia.	7.0mm
Gasket Thickness	10mm
Overall Depth	208mm
Magnet Dia.	220mm
Net Weight	17 kg

SPL vs Freq



Impedance vs Freq



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