



AERONS (INDIA)

**Y35**  
GRADE FERRITE MAGNET

**AERONS  
SPEAKER**  
PROFESSIONAL AUDIO SYSTEM



# 18CF1800

**1800W RMS Power**  
**35Hz - 1KHz Frequency Range**  
**4.5 inch Voice Coil**  
**98.5dB Sensitivity**  
**280\*30mm magnet**

## GENERAL SPECIFICATIONS

Nominal Diameter	18inch
Nominal Impedance	8ohm
Minimum Impedance	5.5ohm
Nominal Power Handling	1800Watts
Continuous Power Handling	3600Watts
Sensitivity	98.5dB
Frequency Range	35-1000Hz
Voice-coil Diameter	114mm
Voice-coil Material	Copper
Voice-coil Winding Depth	34 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*30mm
Magnet Material	Ferrite
Magnet Grade	Y35
Magnet Gap Depth	12

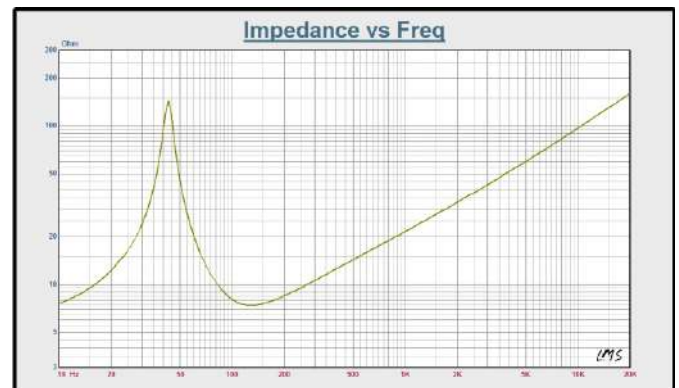
## CARBON FIBER SERIES

## THIELE-SMALL PARAMETERS

Resonance Frequency	Fs	30Hz
DC Resistance	Rte	5.2ohm
Mechanical Factor	Qms	8
Electrical Factor	Qes	0.364
Total Factor	Qts	0.352
BL Factor	BL	32 T-m
Effective Moving Mass	Mms	260gr
Equivalent Cas Air Load	Vas	197liter
Effective Piston Area	Sd	1.257 m <sup>2</sup>
Max. Linear Excursion	Xmax	9 mm
Half Space Efficiency	Eff	2.31%
Efficiency Bandwidth Product	EBP	107
Compliance Value	Cms	157.3

## 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.	280mm
Net Weight	23 kg



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