



**AERONS  
SPEAKER**  
PROFESSIONAL AUDIO SYSTEM

# 18TW100

3000W Continuous program power  
32-2KHz Frequency range  
99.3mm Voice coil  
100dB Sensitivity  
Optimized magnet and FEA analyze



## GENERAL SPECIFICATIONS

Nominal Diameter	18inch
Nominal Impedance	8ohm
Program Power	3000watts
Power Handling	1500watts
Sensitivity	100dB
Frequency Range	32-2KHz
Effective Diaphragm Diameter	338mm
Basket	Aluminium
Voice-coil Diameter	99.3mm
Voice-coil Wire	PISV
Voice-coil Bobbin	Class Fiber
Numbers of layer(s)	2
Kind of layer	IN/Out
Magnet	Ferrite
Magnet Size	220mm

## THIELE-SMALL PARAMETERS

Resonance Frequency	Fs	32 Hz
DC Resistance	Rte	5.5 ohm
Mechanical Factor	Qms	6.79
Electrical Factor	Qes	0.49
Total Factor	Qts	0.45
BL Factor	BL	22.9 T-m
Effective Moving Mass	Mms	205 gr
Equivalent Cas Air Load	Vas	199 liters
Effective Piston Area	Sd	122.5cm <sup>2</sup>
Max. Linear Excursion	Xmax	8 mm
Half Space Efficiency	Eff	1.89%

## MOUNTING&SHIPPING INFORMATION

Overall Diameter	460/18.11	mm /inch
Bolt Circle Diameter	440/17.32	mm /inch
Bolt Hole Diameter	7 /0.276	mm/inch
Mount Buffer Cut-out	425/16.73	mm/inch
Depth	224/8.81	mm/inch
Net Weight	15/33.06	kg /lbs

