



# THUNDER1845

## SUPER POWER 18"

Extended Low Frequency Loudspeaker

### SUPER POWER | SUPERB EFFICIENCY

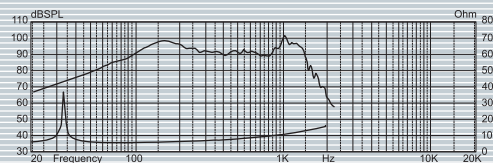
4.5" I/O COPPER VOICE COIL  
ALUMINIUM DIE CAST FRAME

**1300**  
Watts  
RMS

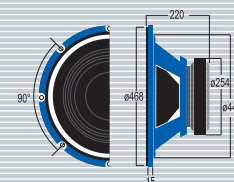
**2600**  
Watts  
PROGRAMME  
POWER



Frequency Response Curve



Dimensions



THUNDER 1845 is a Super Power 46cm (18") Professional Extended Low Frequency PA Speaker for delivering deep and powerful low frequencies. The speaker provides excellent bass reproduction with extremely low distortion. It is an ideal choice for very high power professional subwoofer speaker systems.

### Super Power Extended Low Frequency Speaker

- 1300W RMS continuous power handling.
- 11.43cm (4.5") I/O Copper voice coil for higher efficiency.
- Sensitivity 97dB/1W/1m.
- For use in Professional High Power sub-woofer Speaker Systems.
- Deep low frequency response makes it ideal choice for Cinema, Auditoria and Stage applications.

### Carefully Designed Components

- Vented Aluminium Die-cast frame and robust construction with built-in heat sink.
- Heavy duty ferrite magnet with rigid magnet assembly.
- Composite treated cone paper with for better strength & reliability.
- Glass Fibre former voice coil for withstanding high temperature.
- Heavy duty push terminals for reliable connection.

## Specifications

ELECTRO MECHANICAL		
Power Rating	:	1300 Watts RMS
Nominal Diameter	:	460mm (18")
Nominal Impedance	:	8 ohms
Sensitivity (1W/1m)	:	97dB
THIELE SMALL PARAMETERS		
Resonant Frequency	Fs	: 36Hz
Impedance	Re	: 4.8 ohms
Electromagnetic Q	Qes	: 0.360
Mechanical Q	Qms	: 25.4
Total Q	Qts	: 0.355
Compliance Equivalent Volume	VAS	: 142.8 Litr
Surface Area of Cone	Sd	: 1219cm <sup>2</sup>
Reference Efficiency	$\eta_0$	: 1.8%
Voice Coil Overhang	Xmax	: 9.4 mm
Moving Mass	Mms	: 283.2 gm
BI Product	BL	: 29.5 TM
Coil Inductance	Le	: 1.07 mH
MOUNTING INFORMATION		
Overall Diameter	:	468 mm
Depth	:	220 mm
Baffle Hole Diameter	:	440 mm
Bolt Mount Diameter (PCD)	:	448 mm (8 Bolts)
Weight	:	17.43kg Approx.

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Hallmark of Reliability!

