

# 18XL1500

18" - 1500 W - 98 dB - 8 Ohm



### NOMINAL SPECIFICATIONS

Nominal Diameter	460 mm (18 in)
Overall Diameter	460 mm (18.11 in)
Bolt Circle Diameter	440 mm (17.32 in)
Baffle Cutout Diameter	422 mm (16.61 in)
Depth	231 mm (9.09 in)
Flange and Gasket Thickness	14 mm (0.55 in)
<b>Net Weight</b>	<b>10.5 kg (23.1 lb)</b>
Shipping Box (Single Carton Box)	536 x 536 x 310 mm (21.1 x 21.1 x 12.2 in)
Shipping Weight	12 kg (26.4 lb)

### NOTES:

#### PATENT PENDING

[A] demodulation ring for reduced total harmonic distortion

(1) 2 Hours Test According to AES 2-1984 Rev. 2003

(2) Maximum power is defined as 3dB greater than nominal power.

(3)  $X_{max} = [(winding\ depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth/3)$

(4) Maximum excursion before permanent damage

### TECHNICAL PARAMETERS

Nominal Impedance	8 Ohm
Minimum Impedance	7.4 Ohm
AES Power Handling (1)	1500 W
<b>Maximum Power Handling (2)</b>	<b>3000 W</b>
<b>Sensitivity (1W/1m)</b>	<b>98 dB</b>
Frequency Range	30÷1500 Hz
<b>Voice Coil Diameter</b>	<b>100 mm (4 in)</b>
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	31 mm (1.22 in)
<b>Magnetic Gap Depth</b>	<b>15.5 mm (0.61 in)</b>
Flux Density	1.1 T

### THIELE & SMALL PARAMETERS

Fs	31 Hz
Re	5.4 Ohm
Qes	0.33
Qms	7.40
Qts	0.31
Vas	205 dm <sup>3</sup> (7.24 ft <sup>3</sup> )
Sd	1174 cm <sup>2</sup> (182 in <sup>2</sup> )
Xmax (3)	12.90 mm
Xdamage (4)	28 mm
Mms	236 g
Bl	28.1 N/A
Le	1.45 mH
Mmd	213 g
Cms	0.1 mm/N
Rms	6.5 kg/s
Eta Zero	2 %

