



# 15XL1400

15" - 1400 W - 96 dB

## NOMINAL SPECIFICATIONS

Nominal Diameter	380 mm (15 in)
Overall Diameter	393 mm (15.47 in)
Bolt Circle Diameter	374 mm (14.72 in)
Baffle Cutout Diameter	354 mm (13.94 in)
Depth	217 mm (8.54 in)
Flange and gasket Thickness	14 mm (0.55 in)
<b>Net Weight</b>	<b>11.8 kg (25.9 lb)</b>
Shipping Box	422 x 417 x 264 mm
(Single Carton Box)	(16.6 x 16.4 x 10.4 in)
Shipping Weight	13.5 kg (29.8 lb)

## TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	7.4 Ω
AES Power Handling (1)	1400 W
<b>Maximum Power Handling (4)</b>	<b>2800 W</b>
<b>Sensitivity (1W/1m)</b>	<b>96 dB</b>
Frequency Range	40÷2500 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	1.05 T
Magnet	Neodymium Slug Crown
Basket Material	Aluminum
Demodulation	Triple Al Dem.
Cone Surround (5)	Triple Roll
NET Air Volume filled by Loudspeaker	6 dm <sup>3</sup> (0.212 ft <sup>3</sup> )
Spider Profile	2x non-adjacent symmetrical constant height waves

## THIELE & SMALL PARAMETERS

Fs	38 Hz
Re	5.4 Ω
Qes	0.34
Qms	10.4
Qts	0.33
Vas	79.7 dm <sup>3</sup> (2.81 ft <sup>3</sup> )
Sd	780 cm <sup>2</sup> (120.90 in <sup>2</sup> )
Xmax (2)	12.92 mm
Xdamage (3)	28 mm
Mms	190.0 g
Bl	26.7 N/A
Le	1.6 mH
Mmd	177.7 g
Cms	0.10 mm/N
Rms	4.36 kg/s
η <sub>e</sub> (Eta Zero)	1.24 %
EBP	112 Hz

### NOTE:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
  - (2)  $X_{max} = [(Winding\ Depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth / 3)$
  - (3) Maximum excursion before permanent damage
  - (4) Maximum power is defined as 3dB greater than nominal power
  - (5) Treated Polycotton
- PATENT PENDING

