

# 15XL1400

15" - 1400 W - 96 dB - 8 Ohm



## 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 (Single Carton Box)	422 x 417 x 264 mm (16.6 x 16.4 x 10.4 in)
Shipping Weight	13.5 kg (29.8 lb)

## PART NUMBER

Push Terminals - 8 Ohm Version 03804008

## NOTES:

### PATENT PENDING

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

## TECHNICAL PARAMETERS

Nominal Impedance	8 Ohm
Minimum Impedance	7.4 Ohm
AES Power Handling (1)	1400 W
<b>Maximum Power Handling (2)</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. Ring
Cone Surround (3)	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 Ohm
Qes	0.34
Qms	10.4
Qts	0.33
Vas	91.2 dm <sup>3</sup> (3.22 ft <sup>3</sup> )
Sd	841 cm <sup>2</sup> (130.36 in <sup>2</sup> )
Xmax (4)	12.92 mm
Xdamage (5)	28 mm
Mms	190.0 g
Bl	26.7 N/A
Le	1.6 mH
Mmd	162.4 g
Cms	0.09 mm/N
Rms	4.4 kg/s
Eta Zero	1.41 %
EBP	112 Hz

