

# 12XL1200

12" - 1400 W - 93 dB - 8 Ohm



## NOMINAL SPECIFICATIONS

Nominal Diameter	300 mm (12 in)
Overall Diameter	316 mm (12.44 in)
Bolt Circle Diameter	298.5 mm (11.75 in)
Baffle Cutout Diameter	282 mm (11.10 in)
Depth	168.75 mm (6.64 in)
Flange and Gasket Thickness	12.45 mm (0.49 in)
<b>Net Weight</b>	<b>6.8 kg (15.0 lb)</b>
Shipping Box (Single Carton Box)	350 x 346 x 216 mm (13.8 x 13.6 x 8.5 in)
Shipping Weight	7.5 kg (16.5 lb)

## PART NUMBER

Push Terminals - 8 Ohm Version 03004310

## NOTES:

- (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	6.5 Ohm
AES Power Handling (1)	1400 W
<b>Maximum Power Handling (2)</b>	<b>2800 W</b>
<b>Sensitivity (1W/1m)</b>	<b>93 dB</b>
Frequency Range	50-2500 Hz
<b>Voice Coil Diameter</b>	<b>100 mm (4 in)</b>
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	28.9 mm (1.14 in)
<b>Magnetic Gap Depth</b>	<b>12 mm (0.47 in)</b>
Flux Density	1.1 T
Magnet	Neodymium Ring
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround (3)	Triple Roll
NET Air Volume filled by Loudspeaker	2.9 dm <sup>3</sup> (0.102 ft <sup>3</sup> )
Spider Profile	2x non-adjacent symmetrical variable height waves

## THIELE & SMALL PARAMETERS

Fs	50 Hz
Re	5 Ohm
Qes	0.43
Qms	14.8
Qts	0.42
Vas	25.0 dm <sup>3</sup> (0.88 ft <sup>3</sup> )
Sd	518 cm <sup>2</sup> (80.29 in <sup>2</sup> )
Xmax (4)	12.45 mm
Xdamage (5)	24 mm
Mms	152 g
Bl	23.6 N/A
Le	1.3 mH
Mmd	138.7 g
Cms	0.07 mm/N
Rms	3.2 kg/s
Eta Zero	0.71 %
EBP	116 Hz

