

# 15XL1400

15" - 1400 W - 96 dB - 4 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 - 4 Ohm Version | 03804034 |
|--------------------------------|----------|

## 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                    | 4 Ohm   |
| Minimum Impedance                    | 4.4 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                         | 0.98 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          | 3 Ohm   |
| Qes         | 0.31  |
| Qms         | 10.3  |
| Qts         | 0.30  |
| Vas         | 84.3 dm <sup>3</sup> (2.98 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         | 205.4 g                                       |
| Bl          | 21.7 N/A                                      |
| Le          | 1.25 mH                                       |
| Mmd         | 177.8 g                                       |
| Cms         | 0.09 mm/N                                     |
| Rms         | 4.8 kg/s                                      |
| Eta Zero    | 1.44 %  |
| EBP         | 123 Hz  |

