

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) |
| Net Weight | 11.8 kg (25.9 lb) |
| 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 |
| Maximum Power Handling (2) | 2800 W |
| Sensitivity (1W/1m) | 96 dB |
| Frequency Range | 40÷2500 Hz |
| Voice Coil Diameter | 100 mm (4 in) |
| Winding Material | Cu |
| Former Material | Glass Fiber |
| Winding Depth | 31 mm (1.22 in) |
| Magnetic Gap Depth | 15.5 mm (0.61 in) |
| Flux Density | 1.05 T |
| Magnet | Neodymium Slug Crown |
| Basket Material | Aluminum |
| Demodulation | Triple AI Dem. Ring |
| Cone Surround (3) | Triple Roll |
| NET Air Volume filled by Loudspeaker | 6 dm ³ (0.212 ft ³) |
| 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 ³ (3.22 ft ³) |
| Sd | 841 cm ² (130.36 in ²) |
| 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 |

