

18XL1800

18" - 1600 W - 95 dB - 8 Ohm



NOMINAL SPECIFICATIONS

| | |
|-------------------------------------|-----------------------------------------------|
| Nominal Diameter | 460 mm (18 in) |
| Overall Diameter | 460 mm (18.11 in) |
| Bolt Circle Diameter | 440 mm (17.32 in) |
| Baffle Cutout Diameter | 422 mm (16.61 in) |
| Depth | 233 mm (9.17 in) |
| Flange and Gasket Thickness | 14 mm (0.55 in) |
| Net Weight | 10.2 kg (22.5 lb) |
| Shipping Box (Single Carton Box) | 490 x 485 x 275 mm (19.3 x 19.1 x 10.8 in) |
| Shipping Weight | 11.7 kg (25.8 lb) |

PART NUMBER

| | |
|--------------------------------|----------|
| Push Terminals - 8 Ohm Version | 04604223 |
|--------------------------------|----------|

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 | 6.7 Ohm |
| AES Power Handling (1) | 1600 W |
| Maximum Power Handling (2) | 3200 W |
| Sensitivity (1W/1m) | 95 dB |
| Frequency Range | 30÷1600 Hz |
| Voice Coil Diameter | 100 mm (4 in) |
| Winding Material | Cu |
| Former Material | Glass Fiber |
| Winding Depth | 45 mm (1.77 in) |
| Magnetic Gap Depth | 14 mm (0.55 in) |
| Flux Density | 1.15 T |
| Magnet | Neodymium Sectors |
| Basket Material | Aluminum |
| Demodulation | Aluminum Ring |
| Cone Surround (3) | Triple Roll |
| NET Air Volume filled by Loudspeaker | 7.3 dm ³ (0.258 ft ³) |
| Spider Profile | 2x non-adjacent symmetrical constant height waves |

THIELE & SMALL PARAMETERS

| | |
|-------------|------------------------------------------------|
| Fs | 29 Hz |
| Re | 5.35 Ohm |
| Qes | 0.42 |
| Qms | 9.9 |
| Qts | 0.4 |
| Vas | 215.5 dm ³ (7.61 ft ³) |
| Sd | 1187 cm ² (183.99 in ²) |
| Xmax (4) | 20.17 mm |
| Xdamage (5) | 36 mm |
| Mms | 275.0 g |
| Bl | 25.4 N/A |
| Le | 2.04 mH |
| Mmd | 228.8 g |
| Cms | 0.11 mm/N |
| Rms | 5.1 kg/s |
| Eta Zero | 1.24 % |
| EBP | 69 Hz |

