

18XL2000

18" - 2000 W - 97 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 | 227 mm (8.94 in) |
| Flange and Gasket Thickness | 14 mm (0.55 in) |
| Net Weight | 11.3 kg (24.9 lb) |
| Shipping Box (Single Carton Box) | 490 x 485 x 275 mm (19.3 x 19.1 x 10.8 in) |
| Shipping Weight | 12.8 kg (28.2 lb) |

PART NUMBER

| | |
|--------------------------------|----------|
| Push Terminals - 8 Ohm Version | 04604293 |
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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 | 7 Ohm |
| AES Power Handling (1) | 2000 W |
| Maximum Power Handling (2) | 4000 W |
| Sensitivity (1W/1m) | 97 dB |
| Frequency Range | 30-1600 Hz |
| Voice Coil Diameter | 118 mm (4.65 in) |
| Winding Material | Cu |
| Former Material | Glass Fiber |
| Winding Depth | 37.3 mm (1.47 in) |
| Magnetic Gap Depth | 14 mm (0.55 in) |
| Flux Density | 1.2 T |
| Magnet | Neodymium Ring |
| Basket Material | Aluminum |
| Demodulation | Double AI Dem. 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 | 28 Hz |
| Re | 5.3 Ohm |
| Qes | 0.28 |
| Qms | 10.1 |
| Qts | 0.27 |
| Vas | 232.1 dm ³ (8.20 ft ³) |
| Sd | 1213 cm ² (188.02 in ²) |
| Xmax (4) | 16.32 mm |
| Xdamage (5) | 33 mm |
| Mms | 286.0 g |
| Bl | 30.8 N/A |
| Le | 1.45 mH |
| Mmd | 238.3 g |
| Cms | 0.11 mm/N |
| Rms | 5.0 kg/s |
| Eta Zero | 1.8 % |
| EBP | 100 Hz |

