

12HP1060



12" - 1000 W - 95 dB - 4 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) |
| Net Weight | 6.6 kg (14.6 lb) |
| Shipping Box (Single Carton Box) | 350 x 346 x 216 mm (13.8 x 13.6 x 8.5 in) |
| Shipping Weight | 7.3 kg (16.1 lb) |

PART NUMBER

| | |
|--------------------------------|----------|
| Push Terminals - 4 Ohm Version | 03004064 |
|--------------------------------|----------|

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 | 3.8 Ohm |
| AES Power Handling (1) | 1000 W |
| Maximum Power Handling (2) | 2000 W |
| Sensitivity (1W/1m) | 95 dB |
| Frequency Range | 45-2500 Hz |
| Voice Coil Diameter | 100 mm (4 in) |
| Winding Material | Cu |
| Former Material | Glass Fiber |
| Winding Depth | 28.9 mm (1.14 in) |
| Magnetic Gap Depth | 12 mm (0.47 in) |
| Flux Density | 1.22 T |
| Magnet | Neodymium Ring |
| Basket Material | Aluminum |
| Demodulation | Aluminum Ring |
| Cone Surround (3) | Triple Roll |
| NET Air Volume filled by Loudspeaker | 2.9 dm ³ (0.102 ft ³) |
| Spider Profile | 2x non-adjacent symmetrical variable height waves |

THIELE & SMALL PARAMETERS

| | |
|-------------|--|
| Fs | 45 Hz |
| Re | 2.9 Ohm |
| Qes | 0.26 |
| Qms | 12.1 |
| Qts | 0.25 |
| Vas | 33.8 dm ³ (1.19 ft ³) |
| Sd | 518 cm ² (80.29 in ²) |
| Xmax (4) | 12.45 mm |
| Xdamage (5) | 21 mm |
| Mms | 138.7 g |
| Bl | 20.7 N/A |
| Le | 1.13 mH |
| Mmd | 125.4 g |
| Cms | 0.09 mm/N |
| Rms | 3.2 kg/s |
| Eta Zero | 1.13 % |
| EBP | 173 Hz |

