

12FH530

12" - 500 W - 97 dB - 16 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 | 140 mm (5.51 in) |
| Flange and Gasket Thickness | 12 mm (0.47 in) |
| Net Weight | 7.9 kg (17.4 lb) |
| Shipping Box (Single Carton Box) | 350 x 346 x 190 mm (13.8 x 13.6 x 7.5 in) |
| Shipping Weight | 8.7 kg (19.2 lb) |

PART NUMBER

Push Terminals - 16 Ohm Version 03004422

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 | 16 Ohm |
| Minimum Impedance | 14.8 Ohm |
| AES Power Handling (1) | 500 W |
| Maximum Power Handling (2) | 1000 W |
| Sensitivity (1W/1m) | 97 dB |
| Frequency Range | 45-3150 Hz |
| Voice Coil Diameter | 77 mm (3 in) |
| Winding Material | Al |
| Former Material | Glass Fiber |
| Winding Depth | 18.5 mm (0.73 in) |
| Magnetic Gap Depth | 10.5 mm (0.41 in) |
| Flux Density | 1.2 T |
| Magnet | Ferrite Ring |
| Basket Material | Aluminum |
| Demodulation | Aluminum Ring |
| Cone Surround (3) | M-Roll |
| NET Air Volume filled by Loudspeaker | 2.9 dm ³ (0.102 ft ³) |
| Spider Profile | 1x variable height waves |

THIELE & SMALL PARAMETERS

| | |
|-------------|--|
| Fs | 45 Hz |
| Re | 12.8 Ohm |
| Qes | 0.41 |
| Qms | 9.1 |
| Qts | 0.39 |
| Vas | 75.6 dm ³ (2.67 ft ³) |
| Sd | 533 cm ² (82.62 in ²) |
| Xmax (4) | 7.50 mm |
| Xdamage (5) | 21.5 mm |
| Mms | 65.6 g |
| Bl | 24.1 N/A |
| Le | 1.5 mH |
| Mmd | 51.7 g |
| Cms | 0.19 mm/N |
| Rms | 2.0 kg/s |
| Eta Zero | 1.64 % |
| EBP | 110 Hz |

