

4FE30



4" - 30 W - 91 dB - 4 Ohm

NOMINAL SPECIFICATIONS

| | |
|---|---|
| Nominal Diameter | 100 mm (4 in) |
| Overall Diameter | 100.7 mm (3.96 in) |
| Bolt Circle Diameter | 81.5 mm (3.2 in) |
| Baffle Cutout Diameter | 93.5 mm (3.68 in) |
| Depth | 50 mm (2 in) |
| Flange and Gasket Thickness | 1.5 mm (0.3 in) |
| Net Weight | 260 g (0.6 lb) |
| Shipping Box (Single Carton Box - 8 units) | 302 x 275 x 186 mm (11.89 x 10.82 x 7.32 in) |
| Shipping Weight (8 units) | 3.1 kg (6.83 lb) |

NOTES:

Packaged and sold in multiples of 8 units

(1) 2 Hours Test According to AES 2-1984 Rev. 2003

(2) Maximum power is defined as 3dB greater than nominal power.

(3) NBR (Rubber)

(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 | 3.7 Ohm |
| AES Power Handling (1) | 30 W |
| Maximum Power Handling (2) | 60 W |
| Sensitivity (1W/1m) | 91 dB |
| Frequency Range | 90-20000 Hz |
| Voice Coil Diameter | 19 mm (0.75 in) |
| Winding Material | Al |
| Former Material | Kapton |
| Winding Depth | 4.8 mm (0.19 in) |
| Magnetic Gap Depth | 4 mm (0.16 in) |
| Flux Density | 1.4 T |
| Magnet | Neodymium Ring |
| Basket Material | Steel |
| Demodulation | No |
| Cone Surround (3) | Half Roll |
| NET Air Volume filled by Loudspeaker | 0.075 dm ³ (0.003 ft ³) |
| Spider Profile | 1x constant height waves |

THIELE & SMALL PARAMETERS

| | |
|-------------|--|
| Fs | 100 Hz |
| Re | 3.3 Ohm |
| Qes | 0.62 |
| Qms | 3.5 |
| Qts | 0.54 |
| Vas | 2.18 dm ³ (0.08 ft ³) |
| Sd | 48 cm ² (7.44 in ²) |
| Xmax (4) | 1.73 mm |
| Xdamage (5) | 6.8 mm |
| Mms | 3.8 g |
| Bl | 3.7 N/A |
| Le | 0.11 mH |
| Mmd | 3.6 g |
| Cms | 0.66 mm/N |
| Rms | 0.7 kg/s |
| Eta Zero | 0.37 % |
| EBP | 161 Hz |

