

8HX230



LF 8" - 250 W - 94 dB - 8 Ohm
HF 30 W - 105 dB - 8 Ohm

NOMINAL SPECIFICATIONS

| | |
|----------------------------------|---|
| Nom. Diameter | 200 mm (8 in) |
| Overall Diameter | 223.75/207.9 mm (8.81/8.18 in) |
| Bolt Circle Diameter | 210 mm (8.27 in) |
| Baffle Cutout Diameter | 183 mm (7.20 in) |
| Depth | 126.5 mm (4.98 in) |
| Flange and Gasket Thickness | 10.7 mm (0.42 in) |
| Net Weight | 4.7 Kg (10.4 lb) |
| Shipping Box (Single Carton Box) | 235 x 235 x 155 mm (9.3 x 9.3 x 6.1 in) |
| Shipping Weight | 5 Kg (11.0 lb) |

PART NUMBER

| | |
|--------------------------------|-----|
| Push Terminals - 8 Ohm Version | TBA |
|--------------------------------|-----|

NOTES:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
- (2) Maximum power is defined as 3dB greater than nominal power.
- (3) HF Sensitivity averaged within the frequency range
- (4) 12 dB/oct or higher slope high-pass filter
- (5) Treated Polycotton
- (6) $X_{max} = [(winding\ depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth/3)$
- (7) Maximum excursion before permanent damage

TECHNICAL PARAMETERS

| | LF | HF |
|--------------------------------------|--|-------------------------|
| Nom. Impedance | 8 Ohm | 8 Ohm |
| Minimum Impedance | 8 Ohm | 7 Ohm |
| AES Power Handling (1) | 250 W | 30 W |
| Max Power Handling (2) | 500 W | 60 W |
| Sensitivity (1W/1m) (3) | 94 dB | 105 dB |
| Frequency Range | 70-4000 Hz | 1200-20000 Hz |
| Voice Coil Diameter | 65 mm (2.56 in) | 37 mm (1.46 in) |
| Winding Material | Al | Al |
| Former Material | Glass Fiber | Kapton |
| Winding Depth | 15 mm (0.59 in) | 2.1 mm (0.08 in) |
| Magnetic Gap Depth | 8 mm (0.31 in) | 2.6 mm (0.10 in) |
| Flux Density | 1.12 T | 1.85 T |
| Min. Cross. Freq. (4) | - | 1.7 kHz |
| Dispersion Angle | - | 100° |
| Diaphragm Material | - | Ketone Polymer |
| Diaphragm Shape | - | Annular |
| Magnet | Ferrite Ring | - |
| Basket Material | Aluminum | - |
| Demodulation | Aluminum Ring | - |
| Cone Surround (5) | Triple Roll | - |
| NET Air Volume filled by Loudspeaker | 1 dm ³ (0.035 ft ³) | - |
| Spider Profile | 1x variable height waves | - |

THIELE & SMALL PARAMETERS

| | |
|-------------|---------------------|
| Fs | 70 Hz |
| Re [LF] | 6.5 Ohm |
| Re [HF] | 5.5 Ohm |
| Qes | 0.38 |
| Qms | 7.4 |
| Qts | 0.36 |
| Vas | 8 dm ³ |
| Sd | 205 cm ² |
| Xmax (6) | 6.17 mm |
| Xdamage (7) | 16 mm |
| Mms | 23.6 g |
| Bl | 15.1 N/A |
| Le | 0.57 mH |
| Mmd | 20.3 g |
| Cms | 0.14 mm/N |
| Rms | 1.79 Kg/s |
| Eta Zero | 1.42 % |
| EBP | 184 Hz |

