

# 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)
<b>Net Weight</b>	<b>4.7 kg (10.4 lb)</b>
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	02004248
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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) 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
<b>Max Power Handling (2)</b>	<b>500 W</b>	<b>60 W</b>
<b>Sensitivity (1W/1m) (3)</b>	<b>94 dB</b>	<b>105 dB</b>
Frequency Range	70-4000 Hz	1200-20000 Hz
<b>Voice Coil Diameter</b>	<b>65 mm (2.56 in)</b>	<b>37 mm (1.46 in)</b>
<b>Winding Material</b>	<b>Al</b>	<b>Al</b>
Former Material	Glass Fiber	Kapton
Winding Depth	15 mm (0.59 in)	2.1 mm (0.08 in)
<b>Magnetic Gap Depth</b>	<b>8 mm (0.31 in)</b>	<b>2.6 mm (0.10 in)</b>
Flux Density	1.12 T	1.85 T
Min. Cross. Freq. (4)	-	1.7 kHz
Dispersion Angle	-	100°
<b>Diaphragm Material</b>	-	<b>Ketone Polymer</b>
<b>Diaphragm Shape</b>	-	<b>Annular</b>
Magnet	Ferrite Ring	Neodymium Ring
Basket Material	Aluminum	-
Demodulation	Aluminum Ring	-
Cone Surround (5)	Triple Roll	-
NET Air Volume filled by Loudspeaker	1 dm <sup>3</sup> (0.035 ft <sup>3</sup> )	-
Spider Profile	1x variable height waves	-

### THIELE & SMALL PARAMETERS

Fs	70 Hz
Re [LF]	6.5 Ohm
Re [HF]	5.5 Ohm
Qes	0.31
Qms	6.0
Qts	0.29
Vas	14.7 dm <sup>3</sup> (0.52 ft <sup>3</sup> )
Sd	223 cm <sup>2</sup> (34.57 in <sup>2</sup> )
Xmax (6)	6.17 mm
Xdamage (7)	15.5 mm
Mms	24.4 g
Bl	15 N/A
Le	0.59 mH
Mmd	20.6 g
Cms	0.21 mm/N
Rms	1.8 kg/s
Eta Zero	1.58 %
EBP	226 Hz

