

# 8HX150



**LF 8" - 250 W - 94 dB - 8 Ohm**

**HF 15 W - 104 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	111.7 mm (4.40 in)
Flange and Gasket Thickness	10.7 mm (0.42 in)
<b>Net Weight</b>	<b>3.6 kg (7.9 lb)</b>
Shipping Box (Single Carton Box)	227 x 224 x 132 mm (8.9 x 8.8 x 5.2 in)
Shipping Weight	4.3 kg (9.5 lb)

## PART NUMBER

Push Terminals - 8 Ohm Version	02004050
Recone Kit LF - 8 Ohm Version	R2004048
Recone Kit HF - 8 Ohm Version	R0254031

## 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	6.6 Ohm	6.3 Ohm
AES Power Handling (1)	250 W	15 W
<b>Max Power Handling (2)</b>	<b>500 W</b>	<b>30 W</b>
<b>Sensitivity (1W/1m) (3)</b>	<b>94 dB</b>	<b>104 dB</b>
Frequency Range	75÷4000 Hz	1500÷18000 Hz
<b>Voice Coil Diameter</b>	<b>65 mm (2.56 in)</b>	<b>25 mm (1 in)</b>
<b>Winding Material</b>	<b>Al</b>	<b>Al</b>
Former Material	Glass Fiber	Kapton
Winding Depth	12.5 mm (0.49 in)	1.7 mm (0.07 in)
<b>Magnetic Gap Depth</b>	<b>8 mm (0.31 in)</b>	<b>2 mm (0.08 in)</b>
Flux Density	1 T	1.3 T
Min. Cross. Freq. (4)	-	1.7 kHz
Dispersion Angle	-	90°
<b>Diaphragm Material</b>	-	<b>Ketone Polymer</b>
<b>Diaphragm Shape</b>	-	<b>Dome</b>
Magnet	Ferrite Ring	Neodymium Ring
Basket Material	Aluminum	-
Demodulation	No	-
Cone Surround (5)	Triple Roll	-
NET Air Volume filled by Loudspeaker	0.96 dm <sup>3</sup> (0.034 ft <sup>3</sup> )	-
Spider Profile	1x constant height waves	-

## THIELE & SMALL PARAMETERS

Fs	76 Hz
Re [LF]	5.5 Ohm
Re [HF]	6 Ohm
Qes	0.43
Qms	9.5
Qts	0.41
Vas	13.0 dm <sup>3</sup> (0.46 ft <sup>3</sup> )
Sd	217.2 cm <sup>2</sup> (33.67 in <sup>2</sup> )
Xmax (6)	4.92 mm
Xdamage (7)	10.25 mm
Mms	22.3 g
Bl	11.6 N/A
Le	0.51 mH
Mmd	18.7 g
Cms	0.20 mm/N
Rms	1.1 kg/s
Eta Zero	1.27 %
EBP	177 Hz

