

8HX210



LF 8" - 200 W - 94 dB - 8 Ohm
HF 35 W - 104 dB - 8 Ohm

NOMINAL SPECIFICATIONS		TECHNICAL PARAMETERS		LF	HF	THIELE & SMALL PARAMETERS	
Nom. Diameter	200 mm (8 in)	Nom. Impedance		8 Ohm	8 Ohm	Fs	83 Hz
Overall Diameter	223.75/207.9 mm (8.81/8.18 in)	Minimum Impedance		6.4 Ohm	7 Ohm	Re [LF]	5.3 Ohm
Bolt Circle Diameter	210 mm (8.27 in)	AES Power Handling (1)		200 W	35 W	Re [HF]	5.5 Ohm
Baffle Cutout Diameter	181 mm (7.13 in)	Max Power Handling (2)		400 W	70 W	Qes	0.5
Depth	123.2 mm (4.85 in)	Sensitivity (1W/1m) (3)		94 dB	104 dB	Qms	3.6
Flange and Gasket Thickness	10.7 mm (0.42 in)	Frequency Range		75÷4000 Hz	1700÷20000 Hz	Qts	0.44
Net Weight	3.6 kg (7.9 lb)	Voice Coil Diameter		52 mm (2.05 in)	37 mm (1.46 in)	Vas	10.1 dm^3 (0.36 ft^3)
Shipping Box (Single Carton Box)	235 x 235 x 155 mm (9.3 x 9.3 x 6.1 in)	Winding Material		Al	Al	Sd	217 cm^2 (33.67 in^2)
Shipping Weight	3.9 kg (8.6 lb)	Former Material		Glass Fiber	Kapton	Xmax (6)	6.53 mm
		Winding Depth		15.4 mm (0.61 in)	2.3 mm (0.09 in)	Xdamage (7)	14.5 mm
		Magnetic Gap Depth		7 mm (0.28 in)	2.6 mm (0.10 in)	Mms	24.0 g
		Flux Density		1.14 T	1.6 T	Bl	11.86 N/A
		Min. Cross. Freq. (4)		-	1.7 kHz	Le	0.5 mH
		Dispersion Angle		-	90°	Mmd	20.4 g
		Diaphragm Material		-	Ketone Polymer	Cms	0.15 mm/N
		Diaphragm Shape		-	Dome	Rms	3.5 kg/s
		Magnet		Ferrite Ring	Neodymium Ring	Eta Zero	1.19 %
		Basket Material		Aluminum	-	EBP	166 Hz
		Demodulation		No	-		
		Cone Surround (5)		Triple Roll	-		
		NET Air Volume filled by Loudspeaker		0.95 dm^3 (0.034 ft^3)	-		
		Spider Profile		1x constant height waves	-		

- 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

