

8HX240



LF 8" - 250 W - 94 dB - 8 Ohm
HF 30 W - 107 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	70 Hz
Overall Diameter	223.75/207.9 mm (8.81/8.18 in)	Minimum Impedance		6.4 Ohm	6.8 Ohm	Re [LF]	5 Ohm
Bolt Circle Diameter	210 mm (8.27 in)	AES Power Handling (1)		250 W	30 W	Re [HF]	5.5 Ohm
Baffle Cutout Diameter	181 mm (7.13 in)	Max Power Handling (2)		500 W	60 W	Qes	0.31
Depth	125.5 mm (4.94 in)	Sensitivity (1W/1m) (3)		94 dB	107 dB	Qms	8.1
Flange and Gasket Thickness	10.7 mm (0.42 in)	Frequency Range		70÷4000 Hz	1200÷20000 Hz	Qts	0.30
Net Weight	3.9 kg (8.6 lb)	Voice Coil Diameter		65 mm (2.56 in)	37 mm (1.46 in)	Vas	12.9 dm^3 (0.46 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	223 cm^2 (34.57 in^2)
Shipping Weight	4.2 kg (9.3 lb)	Former Material		Glass Fiber	Kapton	Xmax (6)	6.17 mm
PART NUMBER		Winding Depth		15 mm (0.59 in)	2.1 mm (0.08 in)	Xdamage (7)	15.2 mm
Push Terminals - 8 Ohm Version	02004356	Magnetic Gap Depth		8 mm (0.31 in)	2.6 mm (0.10 in)	Mms	27.7 g
NOTES:		Flux Density		1.15 T	1.85 T	Bl	13.8 N/A
(1) 2 Hours Test According to AES 2-1984 Rev. 2003		Min. Cross. Freq. (4)		-	1.7 kHz	Le	0.49 mH
(2) Maximum power is defined as 3dB greater than nominal power.		Dispersion Angle		-	100°	Mmd	24.0 g
(3) HF Sensitivity averaged within the frequency range		Diaphragm Material		-	Ketone Polymer	Cms	0.19 mm/N
(4) 12 dB/oct or higher slope high-pass filter		Diaphragm Shape		-	Annular	Rms	1.5 kg/s
(5) Treated Polycotton		Magnet		Neodymium Ring	Neodymium Ring	Eta Zero	1.34 %
(6) Xmax= [(winding depth - magnetic gap depth)/2] + (magnetic gap depth/3)		Basket Material		Aluminum	-	EBP	226 Hz
(7) Maximum excursion before permanent damage		Demodulation		Aluminum Ring	-		
		Cone Surround (5)		Triple Roll	-		
		NET Air Volume filled by Loudspeaker		0.95 dm^3 (0.034 ft^3)	-		
		Spider Profile		1x variable height waves	-		

