



8HX150

LF 8" - 250 W - 94 dB

HF 15 W - 104 dB

NOMINAL SPECIFICATIONS

Nominal 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)	
Net Weight	3.6 kg (7.94 lb)	
Shipping Box	246 x 246 x 150 mm	
(Single Carton Box)	(9.69 x 9.69 x 5.91 in)	
Shipping Weight	4.3 kg (9.48 lb)	

TECHNICAL PARAMETERS	[LF]	[HF]
Nominal Impedance	8 Ω	8 Ω
Minimum Impedance	6.6 Ω	6.3 Ω
AES Power Handling (1)	250 W	15 W
Maximum Power Handling (4)	500 W	30 W
Sensitivity (1W/1m) (7)	94 dB	104 dB
Frequency Range	75÷4000 Hz	1500÷18000 Hz
Voice Coil Diameter	65 mm (2.56 in)	25 mm (1 in)
Winding Material	Al	Al
Former Material	Glass Fiber	Kapton
Winding Depth	12.5 mm (0.49 in)	1.7 mm (0.07 in)
Magnetic Gap Depth	8 mm (0.31 in)	2 mm (0.08 in)
Flux Density	1 T	1.3 T
Minimum Crossover Frequency (6)	-	1700 Hz
Dispersion Angle	-	90°
Diaphragm Material	-	Ketone Polymer
Diaphragm Shape	-	Dome
Magnet	Ferrite Ring	-
Basket Material	Aluminum	-
Demodulation	No	-
Cone Surround (5)	Triple Roll	-
NET Air Volume filled by Loudspeaker	0.96 dm ³ (0.034 ft ³)	-
Spider Profile	1x constant height waves	-



THIELE & SMALL PARAMETERS [LF]

Fs	76 Hz
Re [LF]	5.5 Ω
Re [HF]	6 Ω
Qes	0.43
Qms	9.5
Qts	0.42
Vas	11.7 dm ³ (0.41 ft ³)
Sd	205 cm ² (31.8 in ²)
Xmax (2)	4.92 mm
Xdamage (3)	10.2 mm
Mms	22.3 g
Bl	11.6 N/A
Le	0.51 mH
Mmd	20.6 g
Cms	0.2 mm/N
Rms	1.1 kg/s
η ₀ (Eta Zero)	1.15 %
EBP	177 Hz

NOTE:

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

