

8HX240

LF 8" - 250 W - 94 dB

HF 30 W - 107 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	181 mm (7.13 in)
Depth	125.5 mm (4.94 in)
Flange and gasket Thickness	10.7 mm (0.42 in)
Net Weight	3.9 kg (8.6 lb)
Shipping Box	235 x 235 x 155 mm
(Single Carton Box)	(9.3 x 9.3 x 6.1 in)
Shipping Weight	4.2 kg (9.3 lb)

- 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
Nominal Impedance	8 Ω	8 Ω
Minimum Impedance	6.4 Ω	6.8 Ω
AES Power Handling (1)	250 W	30 W
Maximum Power Handling (2)	500 W	60 W
Sensitivity (1W/1m) (3)	94 dB	107 dB
Frequency Range	70÷4000 Hz	1200÷20000 Hz
Voice Coil Diameter	65 mm (2.56 in)	37 mm (1.46 in)
Winding Material	Al	Al
Former Material	Glass Fiber	Kapton
Winding Depth	15 mm (0.59 in)	2.1 mm (0.08 in)
Magnetic Gap Depth	8 mm (0.31 in)	2.6 mm (0.10 in)
Flux Density	1.15 T	1.85 T
Min. Crossover Frequency (4)	-	1.7 kHz
Dispersion Angle	-	100°
Diaphragm Material	-	Ketone Polymer
Diaphragm Shape	-	Annular
Magnet	Neodymium Ring	Neodymium Ring
Basket Material	Aluminum	-
Demodulation	Aluminum Ring	-
Cone Surround (5)	Triple Roll	-
NET Air Volume filled by Loudspeaker	0.95 dm³ (0.034 ft³)	-
Spider Profile	1x variable height waves	-

THIELE & SMALL PARAMETERS

Fs	70 Hz
Re [LF]	5 Ω
Re [HF]	5.5 Ω
Qes	0.31
Qms	8.1
Qts	0.30
Vas	12.9 dm³ (0.46 ft³)
Sd	223 cm² (34.57 in²)
Xmax (6)	6.17 mm
Xdamage (7)	15.2 mm
Mms	27.7 g
Bl	13.8 N/A
Le	0.49 mH
Mmd	24.0 g
Cms	0.19 mm/N
Rms	1.5 kg/s
η _e (Eta Zero)	1.34 %
EBP	226 Hz

