

8HX200

LF 8" - 250 W - 95 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	183 mm (7.20 in)
Depth	110.7 mm (4.36 in)
Flange and gasket Thickness	10.7 mm (0.42 in)
Net Weight	2.7 kg (6.0 lb)
Shipping Box	227 x 224 x 132 mm
(Single Carton Box)	(8.9 x 8.8 x 5.2 in)
Shipping Weight	3.4 kg (7.5 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	6.6 Ω	6.9 Ω
AES Power Handling (1)	250 W	30 W
Maximum Power Handling (2)	500 W	60 W
Sensitivity (1W/1m) (3)	95 dB	107 dB
Frequency Range	75÷4000 Hz	1500÷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	12.5 mm (0.49 in)	2.1 mm (0.08 in)
Magnetic Gap Depth	8 mm (0.31 in)	2.6 mm (0.10 in)
Flux Density	1.2 T	1.85 T
Min. Crossover Frequency (4)	-	1.7 kHz
Dispersion Angle	-	90°
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	0.8 dm³ (0.028 ft³)	-
Spider Profile	1x constant height waves	-

THIELE & SMALL PARAMETERS

Fs	76 Hz
Re [LF]	5.5 Ω
Re [HF]	5.5 Ω
Qes	0.31
Qms	10.5
Qts	0.30
Vas	13.1 dm³ (0.46 ft³)
Sd	217.2 cm² (33.67 in²)
Xmax (6)	4.92 mm
Xdamage (7)	10.2 mm
Mms	22.0 g
Bl	13.8 N/A
Le	0.51 mH
Mmd	18.4 g
Cms	0.20 mm/N
Rms	1 kg/s
η _e (Eta Zero)	1.84 %
EBP	245 Hz

