



# 8HX200

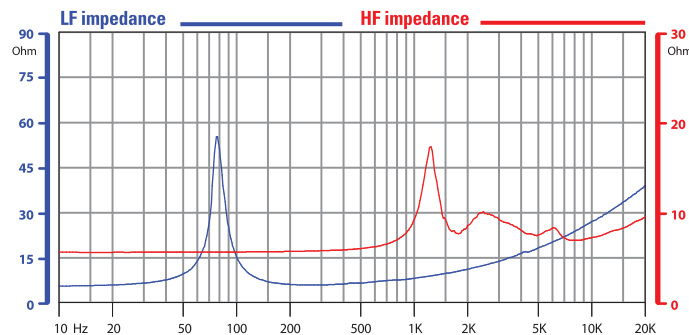
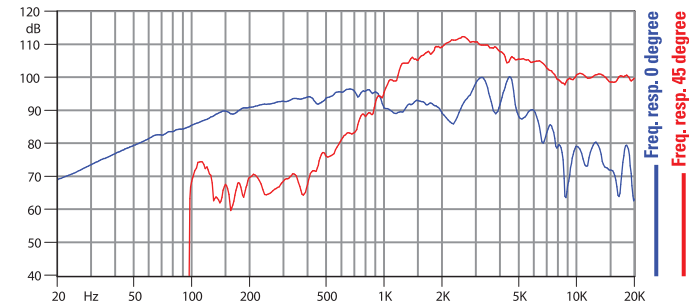
LF 8" - 250 W - 95 dB

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)	
<b>Net Weight</b>	<b>2.7 kg (5.95 lb)</b>	
Shipping Box	246 x 246 x 150 mm	
(Single Carton Box)	(9.69 x 9.69 x 5.91 in)	
Shipping Weight	3.4 kg (7.5 lb)	

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
<b>Maximum Power Handling (4)</b>	<b>500 W</b>	<b>60 W</b>
<b>Sensitivity (1W/1m) (7)</b>	<b>95 dB</b>	<b>107 dB</b>
Frequency Range	75÷4000 Hz	1500÷20000 Hz
<b>Voice Coil Diameter</b>	<b>65 mm (2.56 in)</b>	<b>37 mm (1.46 in)</b>
<b>Winding Material</b>	<b>Al</b>	<b>Al</b>
Former Material	Glass Fiber	Kapton
Winding Depth	12.5 mm (0.49 in)	2.1 mm (0.08 in)
<b>Magnetic Gap Depth</b>	<b>8 mm (0.31 in)</b>	<b>2.6 mm (0.10 in)</b>
Flux Density	1.2 T	1.85 T
Minimum Crossover Frequency (6)	-	1700 Hz
Dispersion Angle	-	90°
<b>Diaphragm Material</b>	-	<b>Ketone Polymer</b>
<b>Diaphragm Shape</b>	-	<b>Annular</b>
<b>Magnet</b>	<b>Neodymium Ring</b>	-
Basket Material	Aluminum	-
Demodulation	Aluminum Ring	-
Cone Surround (5)	Triple Roll	-
NET Air Volume filled by Loudspeaker	0.8 dm <sup>3</sup> (0.028 ft <sup>3</sup> )	-
Spider Profile	1x constant height waves	-



## THIELE & SMALL PARAMETERS [LF]

Fs	76 Hz
Re [LF]	5.5 Ω
Re [HF]	5.5 Ω
Qes	0.31
Qms	10.5
Qts	0.3
Vas	11.9 dm <sup>3</sup> (0.42 ft <sup>3</sup> )
Sd	205 cm <sup>2</sup> (31.8 in <sup>2</sup> )
Xmax (2)	4.92 mm
Xdamage (3)	10.2 mm
Mms	22 g
Bl	13.8 N/A
Le	0.51 mH
Mmd	20.3 g
Cms	0.2 mm/N
Rms	1 kg/s
η <sub>0</sub> (Eta Zero)	1.67 %
EBP	245 Hz

### NOTE:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
- (2) Xmax = [(Winding Depth - magnetic gap depth)/2] + (magnetic gap depth / 3)
- (3) Maximum excursion before permanent damage
- (4) Maximum power is defined as 3dB greater than nominal power
- (5) Treated Polycotton
- (6) 12 dB/oct or higher slope high-pass filter
- (7) HF Sensitivity averaged within the frequency range

