

8HX150

LF 8" - 250 W - 94 dB - 8 Ohm

HF 15 W - 104 dB - 8 Ohm



NOMINAL SPECIFICATIONS

Nom. 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 (7.9 lb)
Shipping Box (Single Carton Box)	227 x 224 x 132 mm (8.9 x 8.8 x 5.2 in)
Shipping Weight	4.3 kg (9.5 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	02004050
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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
Nom. Impedance	8 Ohm	8 Ohm
Minimum Impedance	6.6 Ohm	6.3 Ohm
AES Power Handling (1)	250 W	15 W
Max Power Handling (2)	500 W	30 W
Sensitivity (1W/1m) (3)	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
Min. Cross. Freq. (4)	-	1.7 kHz
Dispersion Angle	-	90°
Diaphragm Material	-	Ketone Polymer
Diaphragm Shape	-	Dome
Magnet	Ferrite Ring	Neodymium 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

Fs	76 Hz
Re [LF]	5.5 Ohm
Re [HF]	6 Ohm
Qes	0.43
Qms	9.5
Qts	0.41
Vas	13.0 dm ³ (0.46 ft ³)
Sd	217.2 cm ² (33.67 in ²)
Xmax (6)	4.92 mm
Xdamage (7)	10.25 mm
Mms	22.3 g
Bl	11.6 N/A
Le	0.51 mH
Mmd	18.7 g
Cms	0.20 mm/N
Rms	1.1 kg/s
Eta Zero	1.27 %
EBP	177 Hz

