

8HX230

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

HF 30 W - 105 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	126.5 mm (4.98 in)
Flange and Gasket Thickness	10.7 mm (0.42 in)
Net Weight	4.7 kg (10.4 lb)
Shipping Box (Single Carton Box)	235 x 235 x 155 mm (9.3 x 9.3 x 6.1 in)
Shipping Weight	5 kg (11.0 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	02004248
--------------------------------	----------

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	8 Ohm	7 Ohm
AES Power Handling (1)	250 W	30 W
Max Power Handling (2)	500 W	60 W
Sensitivity (1W/1m) (3)	94 dB	105 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	1.12 T	1.85 T
Min. Cross. Freq. (4)	-	1.7 kHz
Dispersion Angle	-	100°
Diaphragm Material	-	Ketone Polymer
Diaphragm Shape	-	Annular
Magnet	Ferrite Ring	Neodymium Ring
Basket Material	Aluminum	-
Demodulation	Aluminum Ring	-
Cone Surround (5)	Triple Roll	-
NET Air Volume filled by Loudspeaker	1 dm ³ (0.035 ft ³)	-
Spider Profile	1x variable height waves	-

THIELE & SMALL PARAMETERS

Fs	70 Hz
Re [LF]	6.5 Ohm
Re [HF]	5.5 Ohm
Qes	0.31
Qms	6.0
Qts	0.29
Vas	14.7 dm ³ (0.52 ft ³)
Sd	223 cm ² (34.57 in ²)
Xmax (6)	6.17 mm
Xdamage (7)	15.5 mm
Mms	24.4 g
Bl	15 N/A
Le	0.59 mH
Mmd	20.6 g
Cms	0.21 mm/N
Rms	1.8 kg/s
Eta Zero	1.58 %
EBP	226 Hz

