

5HX220



LF 5" - 150 W - 91 dB - 8 Ohm
HF 30 W - 104 dB - 8 Ohm

NOMINAL SPECIFICATIONS

Nom. Diameter	130 mm (5 in)
Overall Diameter	150/128.2 mm (5.91/5.05 in)
Bolt Circle Diameter	139 mm (5.47 in)
Baffle Cutout Diameter	118 mm (4.65 in)
Depth	90 mm (3.54 in)
Flange and Gasket Thickness	9 mm (0.35 in)
Net Weight	1.04 kg (2.3 lb)
Shipping Box (Single Carton Box)	185 x 170 x 122 mm (7.3 x 6.7 x 4.8 in)
Shipping Weight	1.2 kg (2.6 lb)

PART NUMBER

Faston Terminals - 8 Ohm Version	01304454
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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	6.4 Ohm	7 Ohm
AES Power Handling (1)	150 W	30 W
Max Power Handling (2)	300 W	60 W
Sensitivity (1W/1m) (3)	91 dB	104 dB
Frequency Range	125-5000 Hz	1700-20000 Hz
Voice Coil Diameter	37 mm (1.46 in)	37 mm (1.46 in)
Winding Material	Al	Al
Former Material	Glass Fiber	Kapton
Winding Depth	10.8 mm (0.43 in)	2.3 mm (0.09 in)
Magnetic Gap Depth	5 mm (0.20 in)	2.6 mm (0.10 in)
Flux Density	1.1 T	1.6 T
Min. Cross. Freq. (4)	-	1.7 kHz
Dispersion Angle	-	80°
Diaphragm Material	-	Ketone Polymer
Diaphragm Shape	-	Dome
Magnet	Neodymium Ring	Neodymium Ring
Basket Material	Aluminum	-
Demodulation	Aluminum Ring	-
Cone Surround (5)	Triple Roll	-
NET Air Volume filled by Loudspeaker	0.3 dm ³ (0.011 ft ³)	-
Spider Profile	1x constant height waves	-

THIELE & SMALL PARAMETERS

Fs	135 Hz
Re [LF]	5.8 Ohm
Re [HF]	5.5 Ohm
Qes	0.63
Qms	10.2
Qts	0.59
Vas	2.2 dm ³ (0.08 ft ³)
Sd	90.6 cm ² (14.04 in ²)
Xmax (6)	4.57 mm
Xdamage (7)	8 mm
Mms	7.3 g
Bl	7.7 N/A
Le	0.2 mH
Mmd	6.3 g
Cms	0.19 mm/N
Rms	0.6 kg/s
Eta Zero	0.86 %
EBP	214 Hz

