

5HX140

LF 5" - 120 W - 91 dB
HF 15 W - 101 dB



NOMINAL SPECIFICATIONS

Nominal 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	74 mm (2.91 in)
Flange and gasket Thickness	9 mm (0.35 in)
Net Weight	1.22 kg (2.7 lb)
Shipping Box	185 x 170 x 122 mm
(Single Carton Box)	(7.3 x 6.7 x 4.8 in)
Shipping Weight	1.4 kg (3.1 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	6.7 Ω	6.6 Ω
AES Power Handling (1)	120 W	15 W
Maximum Power Handling (2)	240 W	30 W
Sensitivity (1W/1m) (3)	91 dB	101 dB
Frequency Range	100-8000 Hz	1500-18000 Hz
Voice Coil Diameter	37 mm (1.46 in)	25 mm (0.98 in)
Winding Material	Al	Al
Former Material	Kapton	Kapton
Winding Depth	12.2 mm (0.48 in)	1.7 mm (0.07 in)
Magnetic Gap Depth	6 mm (0.24 in)	2 mm (0.08 in)
Flux Density	1.3 T	1.3 T
Min. Crossover Frequency (4)	-	1.7 kHz
Dispersion Angle	-	90°
Diaphragm Material	-	Ketone Polymer
Diaphragm Shape	-	Dome
Magnet	Neodymium Ring	Neodymium Ring
Basket Material	Aluminum	-
Demodulation	Aluminum Ring	-
Cone Surround (5)	M-Roll	-
NET Air Volume filled by Loudspeaker	0.34 dm³ (0.012 ft³)	-
Spider Profile	1x constant height waves	-

THIELE & SMALL PARAMETERS

Fs	100 Hz
Re [LF]	5.9 Ω
Re [HF]	6 Ω
Qes	0.45
Qms	4.8
Qts	0.41
Vas	3.4 dm³ (0.12 ft³)
Sd	85 cm² (13.18 in²)
Xmax (6)	5.10 mm
Xdamage (7)	16.85 mm
Mms	7.5 g
Bl	8 N/A
Le	0.29 mH
Mmd	6.6 g
Cms	0.34 mm/N
Rms	1.0 kg/s
η _e (Eta Zero)	0.76 %
EBP	222 Hz

