

6HX150

LF 6" - 150 W - 93 dB
HF 15 W - 104 dB



NOMINAL SPECIFICATIONS

Nominal Diameter	160 mm (6 in)
Overall Diameter	186.5/162 mm (7.34/6.37 in)
Bolt Circle Diameter	172 mm (6.77 in)
Baffle Cutout Diameter	147 mm (5.79 in)
Depth	95 mm (3.74 in)
Flange and gasket Thickness	9.3 mm (0.37 in)
Net Weight	1.3 kg (2.9 lb)
Shipping Box	202 x 202 x 134 mm
(Single Carton Box)	(8.0 x 8.0 x 5.3 in)
Shipping Weight	2.8 kg (6.2 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 Ω	6.3 Ω
AES Power Handling (1)	150 W	15 W
Maximum Power Handling (2)	300 W	30 W
Sensitivity (1W/1m) (3)	93 dB	104 dB
Frequency Range	90-5000 Hz	1500-18000 Hz
Voice Coil Diameter	52 mm (2 in)	25 mm (1 in)
Winding Material	Cu	Al
Former Material	Glass Fiber	Kapton
Winding Depth	10.7 mm (0.42 in)	1.7 mm (0.07 in)
Magnetic Gap Depth	6 mm (0.24 in)	2 mm (0.08 in)
Flux Density	1.35 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)	Half Roll	-
NET Air Volume filled by Loudspeaker	0.6 dm ³ (0.021 ft ³)	-
Spider Profile	1x constant height waves	-

THIELE & SMALL PARAMETERS

Fs	88 Hz
Re [LF]	5.5 Ω
Re [HF]	6 Ω
Qes	0.35
Qms	8.3
Qts	0.34
Vas	6.3 dm ³ (0.22 ft ³)
Sd	139.2 cm ² (21.58 in ²)
Xmax (6)	4.35 mm
Xdamage (7)	10.15 mm
Mms	14 g
Bl	12 N/A
Le	0.64 mH
Mmd	12.1 g
Cms	0.23 mm/N
Rms	0.9 kg/s
η_e (Eta Zero)	1.41 %
EBP	251 Hz

