



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 (2.87 lb)	
Shipping Box	202 x 202 x 134 mm	
(Single Carton Box)	(7.95 x 7.95 x 5.28 in)	
Shipping Weight	2.8 kg (6.17 lb)	

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 (4)	300 W	30 W
Sensitivity (1W/1m) (7)	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
Minimum Crossover Frequency (6)	-	1700 Hz
Dispersion Angle	-	90°
Diaphragm Material	-	Ketone Polymer
Diaphragm Shape	-	Dome
Magnet	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 [LF]

Fs	88 Hz
Re [LF]	5.5 Ω
Re [HF]	6 Ω
Qes	0.35
Qms	8.3
Qts	0.33
Vas	5.60 dm ³ (0.20 ft ³)
Sd	130 cm ² (20.15 in ²)
Xmax (2)	4.35 mm
Xdamage (3)	10 mm
Mms	14 g
Bl	12 N/A
Le	0.64 mH
Mmd	13.3 g
Cms	0.2 mm/N
Rms	1 kg/s
η ₀ (Eta Zero)	1.22 %
EBP	251 Hz

NOTE:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
- (2) $X_{max} = [(Winding\ Depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth / 3)$
- (3) Maximum excursion before permanent damage
- (4) Maximum power is defined as 3dB greater than nominal power
- (5) Treated Polycotton
- (6) 12 dB/oct or higher slope high-pass filter
- (7) HF Sensitivity averaged within the frequency range

