PROFESSIONAL LOUDSPEAKERS

12HX230

LF 12" - 250 W - 97 dB - 8 Ohm
HF 30 W - 107 dB - 8 Ohm

NOMINAL SPECIFICATIONS

Nom. Diameter	300 mm (12 in)
Overall Diameter	316 mm (12.44 in)
Bolt Circle Diameter	298.5 mm (11.75 in)
Baffle Cutout Diameter	282 mm (11.10 in)
Depth	162 mm (6.38 in)
Flange and Gasket Thickness	12 mm (0.47 in)
Net Weight	**5.2 kg (11.5 lb)**
Shipping Box (Single Carton Box)	350 x 346 x 190 mm (13.8 x 13.6 x 7.5 in)
Shipping Weight	5.7 kg (12.6 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	03004278
Recone Kit LF - 8 Ohm Version	R3004278
Recone Kit HF - 8 Ohm Version	R0374049

TECHNICAL PARAMETERS

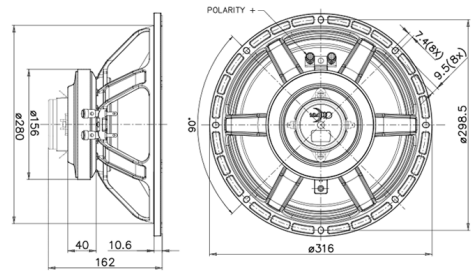
	LF	HF
Nom. Impedance	8 Ohm	8 Ohm
Minimum Impedance	6.4 Ohm	7 Ohm
AES Power Handling **(1)**	250 W	30 W
Max Power Handling (2)	**500 W**	**60 W**
Sensitivity (1W/1m) (3)	**97 dB**	**107 dB**
Frequency Range	55÷5000 Hz	1500÷20000 Hz
Voice Coil Diameter	**65 mm (2.56 in)**	**37 mm (1.46 in)**
Winding Material	**Al**	**Al**
Former Material	Glass Fiber	Kapton
Winding Depth	17.4 mm (0.69 in)	2.1 mm (0.08 in)
Magnetic Gap Depth	**8 mm (0.31 in)**	**2.6 mm (0.10 in)**
Flux Density	1.15 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	2.15 dm^3 (0.076 ft^3)	-
Spider Profile	1x variable height waves	-

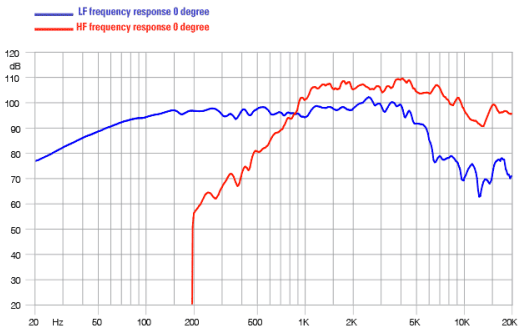
THIELE & SMALL PARAMETERS

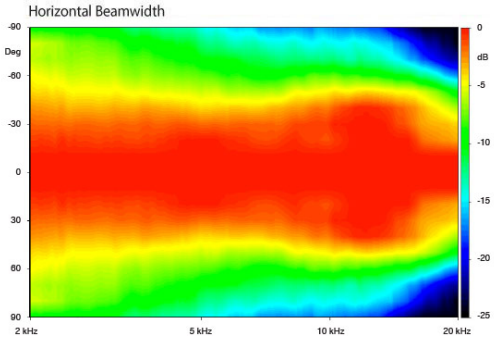
Fs	55 Hz
Re [LF]	5.3 Ohm
Re [HF]	5.5 Ohm
Qes	0.46
Qms	7.4
Qts	0.43
Vas	67.7 dm^3 (2.39 ft^3)
Sd	539 cm^2 (83.55 in^2)
Xmax **(6)**	7.37 mm
Xdamage **(7)**	15.25 mm
Mms	50.2 g
Bl	14.1 N/A
Le	0.62 mH
Mmd	36.1 g
Cms	0.17 mm/N
Rms	2.3 kg/s
Eta Zero	2.36 %
EBP	120 Hz

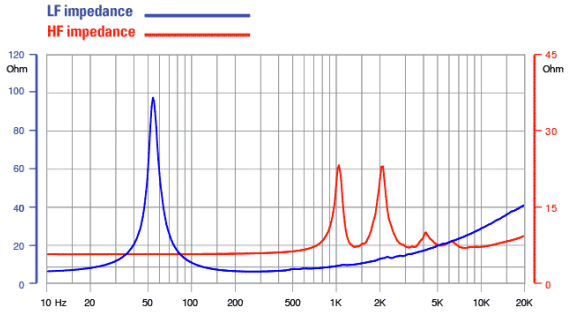
NOTES:

(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) Xmax= [(winding depth - magnetic gap depth)/2] + (magnetic gap depth/3)
(7) Maximum excursion before permanent damage









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