faital PRO PROFESSIONAL LOUDSPEAKERS

8HX210



LF 8" - 200 W - 94 dB - 8 Ohm
HF 35 W - 104 dB - 8 Ohm

NOMINAL SPECIFICATIONS

Nom. Diameter	200 mm (8 in)
Overall Diameter	223.75/207.9 mm (8.81/8.18 in)
Bolt Circle Diameter	210 mm (8.27 in)
Baffle Cutout Diameter	181 mm (7.13 in)
Depth	123.2 mm (4.85 in)
Flange and Gasket Thickness	10.7 mm (0.42 in)
Net Weight	**3.6 kg (7.9 lb)**
Shipping Box (Single Carton Box)	235 x 235 x 155 mm (9.3 x 9.3 x 6.1 in)
Shipping Weight	3.9 kg (8.6 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	02004426

TECHNICAL PARAMETERS

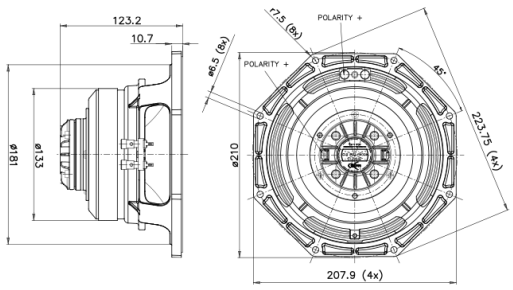
	LF	HF
Nom. Impedance	8 Ohm	8 Ohm
Minimum Impedance	6.4 Ohm	7 Ohm
AES Power Handling **(1)**	200 W	35 W
Max Power Handling (2)	**400 W**	**70 W**
Sensitivity (1W/1m) (3)	**94 dB**	**104 dB**
Frequency Range	75÷4000 Hz	1700÷20000 Hz
Voice Coil Diameter	**52 mm (2.05 in)**	**37 mm (1.46 in)**
Winding Material	**Al**	**Al**
Former Material	Glass Fiber	Kapton
Winding Depth	15.4 mm (0.61 in)	2.3 mm (0.09 in)
Magnetic Gap Depth	**7 mm (0.28 in)**	**2.6 mm (0.10 in)**
Flux Density	1.14 T	1.6 T
Min. Cross. Freq. **(4)**	-	1.7 kHz
Dispersion Angle	-	90°
Diaphragm Material	**-**	**Ketone Polymer**
Diaphragm Shape	**-**	**Dome**
Magnet	Ferrite Ring	Neodymium Ring
Basket Material	Aluminum	-
Demodulation	No	-
Cone Surround **(5)**	Triple Roll	-
NET Air Volume filled by Loudspeaker	0.95 dm^3 (0.034 ft^3)	-
Spider Profile	1x constant height waves	-

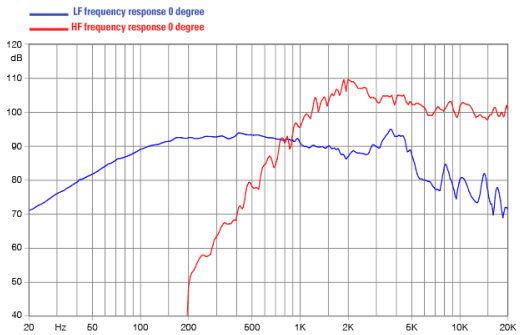
THIELE & SMALL PARAMETERS

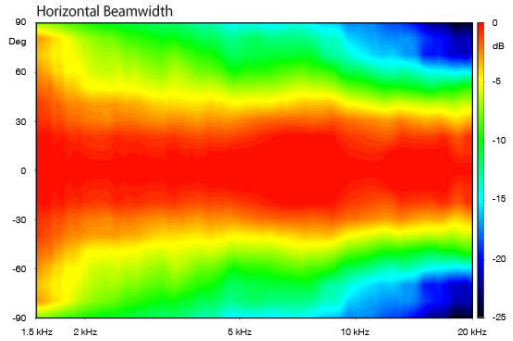
Fs	83 Hz
Re [LF]	5.3 Ohm
Re [HF]	5.5 Ohm
Qes	0.5
Qms	3.6
Qts	0.44
Vas	10.1 dm^3 (0.36 ft^3)
Sd	217 cm^2 (33.67 in^2)
Xmax **(6)**	6.53 mm
Xdamage **(7)**	14.5 mm
Mms	24.0 g
Bl	11.86 N/A
Le	0.5 mH
Mmd	20.4 g
Cms	0.15 mm/N
Rms	3.5 kg/s
Eta Zero	1.19 %
EBP	166 Hz

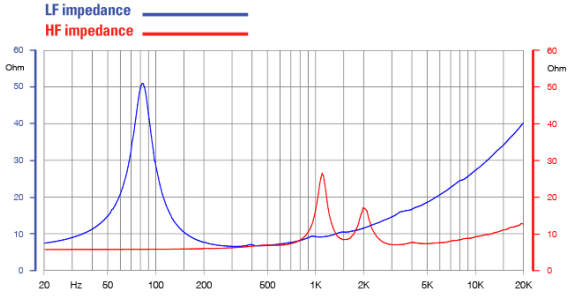
NOTES:

(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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