faital PRO PROFESSIONAL LOUDSPEAKERS

5HX220



LF 5" - 150 W - 91 dB - 8 Ohm
HF 30 W - 104 dB - 8 Ohm

NOMINAL SPECIFICATIONS

Nom. 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	90 mm (3.54 in)
Flange and Gasket Thickness	9 mm (0.35 in)
Net Weight	**1.04 kg (2.3 lb)**
Shipping Box (Single Carton Box)	185 x 170 x 122 mm (7.3 x 6.7 x 4.8 in)
Shipping Weight	1.2 kg (2.6 lb)

PART NUMBER

Faston Terminals - 8 Ohm Version	01304454

NOTES:

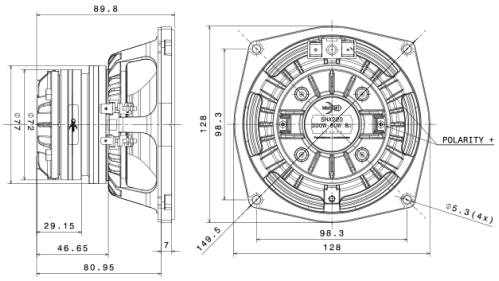
(1) 2 Hours Test According to AES 2-1984 Rev. 2003
(2) Maximum power is defined as 3dB greater than nominal power.
(3) HF Sensitivity averaged within the frequency range
(4) 12 dB/oct or higher slope high-pass filter
(5) Treated Polycotton
(6) Xmax= [(winding depth - magnetic gap depth)/2] + (magnetic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

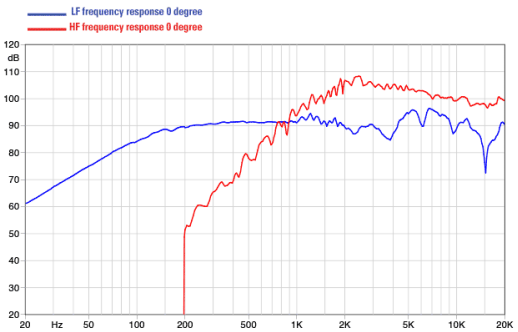
TECHNICAL PARAMETERS

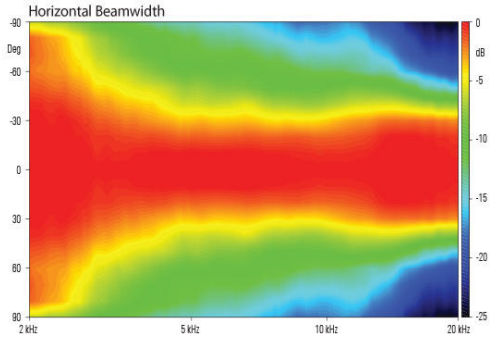
	LF	HF
Nom. Impedance	8 Ohm	8 Ohm
Minimum Impedance	6.4 Ohm	7 Ohm
AES Power Handling **(1)**	150 W	30 W
Max Power Handling (2)	**300 W**	**60 W**
Sensitivity (1W/1m) (3)	**91 dB**	**104 dB**
Frequency Range	125÷5000 Hz	1700÷20000 Hz
Voice Coil Diameter	**37 mm (1.46 in)**	**37 mm (1.46 in)**
Winding Material	**Al**	**Al**
Former Material	Glass Fiber	Kapton
Winding Depth	10.8 mm (0.43 in)	2.3 mm (0.09 in)
Magnetic Gap Depth	**5 mm (0.20 in)**	**2.6 mm (0.10 in)**
Flux Density	1.1 T	1.6 T
Min. Cross. Freq. **(4)**	-	1.7 kHz
Dispersion Angle	-	80°
Diaphragm Material	**-**	**Ketone Polymer**
Diaphragm Shape	**-**	**Dome**
Magnet	Neodymium Ring	Neodymium Ring
Basket Material	Aluminum	-
Demodulation	Aluminum Ring	-
Cone Surround **(5)**	Triple Roll	-
NET Air Volume filled by Loudspeaker	0.3 dm^3 (0.011 ft^3)	-
Spider Profile	1x constant height waves	-

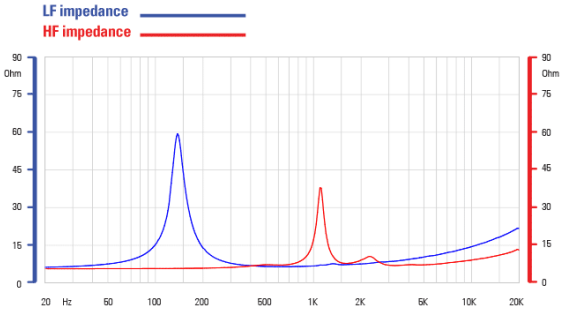
THIELE & SMALL PARAMETERS

Fs	135 Hz
Re [LF]	5.8 Ohm
Re [HF]	5.5 Ohm
Qes	0.63
Qms	10.2
Qts	0.59
Vas	2.2 dm^3 (0.08 ft^3)
Sd	90.6 cm^2 (14.04 in^2)
Xmax **(6)**	4.57 mm
Xdamage **(7)**	8 mm
Mms	7.3 g
Bl	7.7 N/A
Le	0.2 mH
Mmd	6.3 g
Cms	0.19 mm/N
Rms	0.6 kg/s
Eta Zero	0.86 %
EBP	214 Hz









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