faital PRO PROFESSIONAL LOUDSPEAKERS

15HX500

LF 15" - 400 W - 97 dB - 8 Ohm
HF 90 W - 105 dB - 8 Ohm

NOMINAL SPECIFICATIONS

Nom. Diameter	380 mm (15 in)
Overall Diameter	393 mm (15.47 in)
Bolt Circle Diameter	374 mm (14.72 in)
Baffle Cutout Diameter	352 mm (13.86 in)
Depth	200 mm (7.87 in)
Flange and Gasket Thickness	14 mm (0.55 in)
Net Weight	**6.1 kg (13.4 lb)**
Shipping Box (Single Carton Box)	422 x 417 x 264 mm (16.6 x 16.4 x 10.4 in)
Shipping Weight	7 kg (15.4 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	03804355
Recone Kit LF - 8 Ohm Version	R3804354
Recone Kit HF - 8 Ohm Version	R0744328

TECHNICAL PARAMETERS

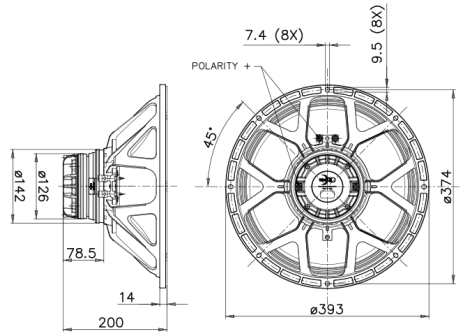
	LF	HF
Nom. Impedance	8 Ohm	8 Ohm
Minimum Impedance	6.6 Ohm	7.2 Ohm
AES Power Handling **(1)**	400 W	90 W
Max Power Handling (2)	**800 W**	**180 W**
Sensitivity (1W/1m) (3)	**97 dB**	**105 dB**
Frequency Range	40÷3150 Hz	500÷20000 Hz
Voice Coil Diameter	**77 mm (3,03 in)**	**74 mm (2.91 in)**
Winding Material	**Cu**	**Al**
Former Material	Glass Fiber	Kapton
Winding Depth	21.8 mm (0.86 in)	3.5 mm (0.14 in)
Magnetic Gap Depth	**9 mm (0.35 in)**	**3.7 mm (0.15 in)**
Flux Density	1.2 T	2 T
Min. Cross. Freq. **(4)**	-	0.9 kHz
Dispersion Angle	-	100°
Diaphragm Material	**-**	**Titanium**
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	3.4 dm^3 (0.120 ft^3)	-
Spider Profile	1x variable height waves	-

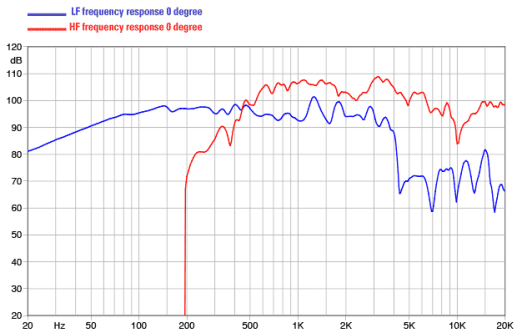
THIELE & SMALL PARAMETERS

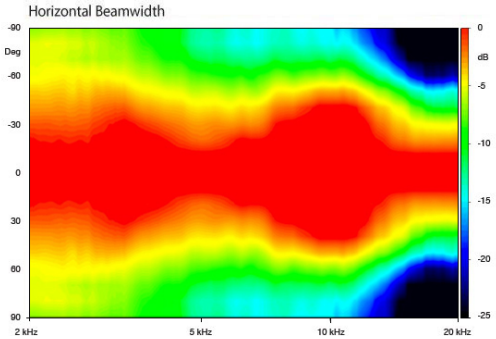
Fs	40 Hz
Re [LF]	5 Ohm
Re [HF]	5.6 Ohm
Qes	0.29
Qms	5.5
Qts	0.28
Vas	150.1 dm^3 (5.30 ft^3)
Sd	864 cm^2 (133.94 in^2)
Xmax **(6)**	9.40 mm
Xdamage **(7)**	18.5 mm
Mms	110.0 g
Bl	22.2 N/A
Le	0.84 mH
Mmd	81.3 g
Cms	0.14 mm/N
Rms	5.0 kg/s
Eta Zero	3.32 %
EBP	138 Hz

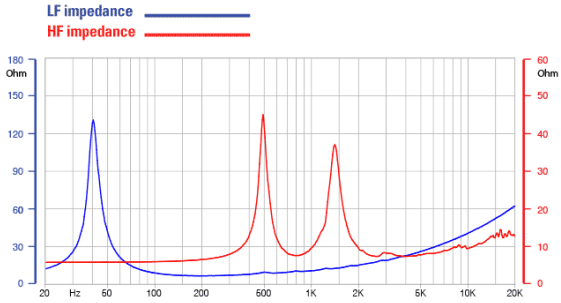
NOTES:

(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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