faital PRO PROFESSIONAL LOUDSPEAKERS

5HX140

LF 5" - 120 W - 91 dB - 8 Ohm
HF 15 W - 101 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	74 mm (2.91 in)
Flange and Gasket Thickness	9 mm (0.35 in)
Net Weight	**1.22 kg (2.7 lb)**
Shipping Box (Single Carton Box)	185 x 170 x 122 mm (7.3 x 6.7 x 4.8 in)
Shipping Weight	1.4 kg (3.1 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	01304366

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	6.7 Ohm	6.6 Ohm
AES Power Handling **(1)**	120 W	15 W
Max Power Handling (2)	**240 W**	**30 W**
Sensitivity (1W/1m) (3)	**91 dB**	**101 dB**
Frequency Range	100÷8000 Hz	1500÷18000 Hz
Voice Coil Diameter	**37 mm (1.46 in)**	**25 mm (0.98 in)**
Winding Material	**Al**	**Al**
Former Material	Kapton	Kapton
Winding Depth	12.2 mm (0.48 in)	1.7 mm (0.07 in)
Magnetic Gap Depth	**6 mm (0.24 in)**	**2 mm (0.08 in)**
Flux Density	1.3 T	1.3 T
Min. Cross. Freq. **(4)**	-	1.7 kHz
Dispersion Angle	-	90°
Diaphragm Material	**-**	**Ketone Polymer**
Diaphragm Shape	**-**	**Dome**
Magnet	Neodymium Ring	Neodymium Ring
Basket Material	Aluminum	-
Demodulation	Aluminum Ring	-
Cone Surround **(5)**	M-Roll	-
NET Air Volume filled by Loudspeaker	0.34 dm^3 (0.012 ft^3)	-
Spider Profile	1x constant height waves	-

THIELE & SMALL PARAMETERS

Fs	100 Hz
Re [LF]	5.9 Ohm
Re [HF]	6 Ohm
Qes	0.45
Qms	4.8
Qts	0.41
Vas	3.4 dm^3 (0.12 ft^3)
Sd	85 cm^2 (13.18 in^2)
Xmax **(6)**	5.10 mm
Xdamage **(7)**	16.85 mm
Mms	7.5 g
Bl	8 N/A
Le	0.29 mH
Mmd	6.6 g
Cms	0.34 mm/N
Rms	1.0 kg/s
Eta Zero	0.76 %
EBP	222 Hz