faital PRO PROFESSIONAL LOUDSPEAKERS

8HX230

LF 8" - 250 W - 94 dB - 8 Ohm
HF 30 W - 105 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	183 mm (7.20 in)
Depth	126.5 mm (4.98 in)
Flange and Gasket Thickness	10.7 mm (0.42 in)
Net Weight	**4.7 kg (10.4 lb)**
Shipping Box (Single Carton Box)	235 x 235 x 155 mm (9.3 x 9.3 x 6.1 in)
Shipping Weight	5 kg (11.0 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	02004248

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	8 Ohm	7 Ohm
AES Power Handling **(1)**	250 W	30 W
Max Power Handling (2)	**500 W**	**60 W**
Sensitivity (1W/1m) (3)	**94 dB**	**105 dB**
Frequency Range	70÷4000 Hz	1200÷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	15 mm (0.59 in)	2.1 mm (0.08 in)
Magnetic Gap Depth	**8 mm (0.31 in)**	**2.6 mm (0.10 in)**
Flux Density	1.12 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	1 dm^3 (0.035 ft^3)	-
Spider Profile	1x variable height waves	-

THIELE & SMALL PARAMETERS

Fs	70 Hz
Re [LF]	6.5 Ohm
Re [HF]	5.5 Ohm
Qes	0.31
Qms	6.0
Qts	0.29
Vas	14.7 dm^3 (0.52 ft^3)
Sd	223 cm^2 (34.57 in^2)
Xmax **(6)**	6.17 mm
Xdamage **(7)**	15.5 mm
Mms	24.4 g
Bl	15 N/A
Le	0.59 mH
Mmd	20.6 g
Cms	0.21 mm/N
Rms	1.8 kg/s
Eta Zero	1.58 %
EBP	226 Hz