faital PRO PROFESSIONAL LOUDSPEAKERS

8HX200

LF 8" - 250 W - 95 dB - 8 Ohm
HF 30 W - 107 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	110.7 mm (4.36 in)
Flange and Gasket Thickness	10.7 mm (0.42 in)
Net Weight	**2.7 kg (6.0 lb)**
Shipping Box (Single Carton Box)	227 x 224 x 132 mm (8.9 x 8.8 x 5.2 in)
Shipping Weight	3.4 kg (7.5 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	02004048

TECHNICAL PARAMETERS

	LF	HF
Nom. Impedance	8 Ohm	8 Ohm
Minimum Impedance	6.6 Ohm	6.9 Ohm
AES Power Handling **(1)**	250 W	30 W
Max Power Handling (2)	**500 W**	**60 W**
Sensitivity (1W/1m) (3)	**95 dB**	**107 dB**
Frequency Range	75÷4000 Hz	1500÷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	12.5 mm (0.49 in)	2.1 mm (0.08 in)
Magnetic Gap Depth	**8 mm (0.31 in)**	**2.6 mm (0.10 in)**
Flux Density	1.2 T	1.85 T
Min. Cross. Freq. **(4)**	-	1.7 kHz
Dispersion Angle	-	90°
Diaphragm Material	**-**	**Ketone Polymer**
Diaphragm Shape	**-**	**Annular**
Magnet	Neodymium Ring	Neodymium Ring
Basket Material	Aluminum	-
Demodulation	Aluminum Ring	-
Cone Surround **(5)**	Triple Roll	-
NET Air Volume filled by Loudspeaker	0.8 dm^3 (0.028 ft^3)	-
Spider Profile	1x constant height waves	-

THIELE & SMALL PARAMETERS

Fs	76 Hz
Re [LF]	5.5 Ohm
Re [HF]	5.5 Ohm
Qes	0.31
Qms	10.5
Qts	0.30
Vas	13.1 dm^3 (0.46 ft^3)
Sd	217.2 cm^2 (33.67 in^2)
Xmax **(6)**	4.92 mm
Xdamage **(7)**	10.2 mm
Mms	22.0 g
Bl	13.8 N/A
Le	0.51 mH
Mmd	18.4 g
Cms	0.20 mm/N
Rms	1.0 kg/s
Eta Zero	1.84 %
EBP	245 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