faital PRO PROFESSIONAL LOUDSPEAKERS

10PR320

10" - 300W - 96 dB - 8 Ohm



NOMINAL SPECIFICATIONS

Nominal Diameter	250 mm (10 in)
Overall Diameter	261 mm (10.28 in)
Bolt Circle Diameter	246 mm (9.69 in)
Baffle Cutout Diameter	230 mm (9.06 in)
Depth	110 mm (4.33 in)
Flange and Gasket Thickness	12 mm (0.47 in)
Net Weight	**2.55 kg (5.6 lb)**
Shipping Box (Single Carton Box)	282 x 280 x 140 mm (11.1 x 11.0 x 5.5 in)
Shipping Weight	3.1 kg (6.8 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	02504280
Recone Kit - 8 Ohm Version	R2504280

TECHNICAL PARAMETERS

Nominal Impedance	8 Ohm
Minimum Impedance	6.4 Ohm
AES Power Handling **(1)**	300 W
Maximum Power Handling (2)	**600 W**
Sensitivity (1W/1m)	**96 dB**
Frequency Range	50÷4000 Hz
Voice Coil Diameter	**65 mm (2.56 in)**
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	17.4 mm (0.69 in)
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	1.2 T
Magnet	Neodymium Slug
Basket Material	Aluminum
Demodulation	No
Cone Surround **(3)**	Triple Roll
NET Air Volume filled by Loudspeaker	1.3 dm^3 (0.046 ft^3)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	48 Hz
Re	5.3 Ohm
Qes	0.31
Qms	4.6
Qts	0.29
Vas	52.7 dm^3 (1.86 ft^3)
Sd	347 cm^2 (53.71 in^2)
Xmax **(4)**	7.37 mm
Xdamage **(5)**	17 mm
Mms	35.0 g
Bl	13.5 N/A
Le	0.57 mH
Mmd	27.7 g
Cms	0.31 mm/N
Rms	2.3 kg/s
Eta Zero	1.84 %
EBP	155 Hz

NOTES:

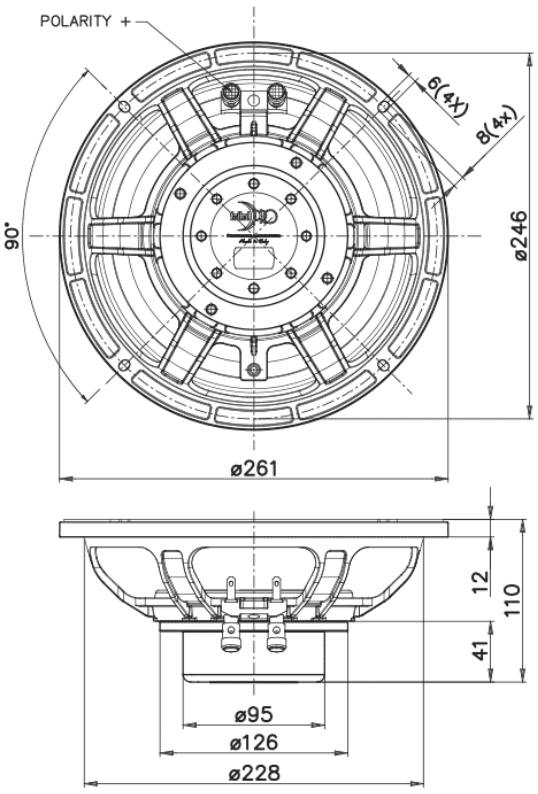
(1) 2 Hours Test According to AES 2-1984 Rev. 2003

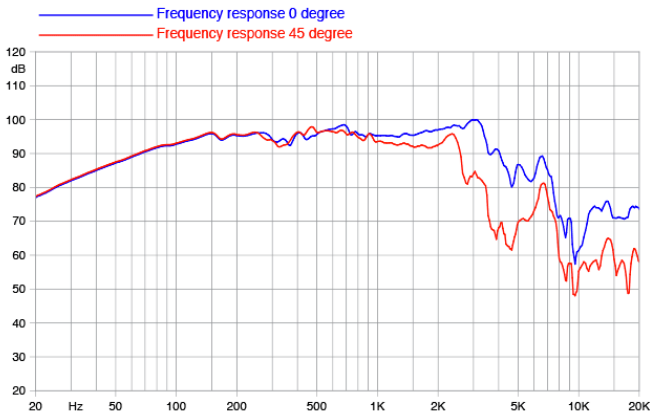
(2) Maximum power is defined as 3dB greater than nominal power.

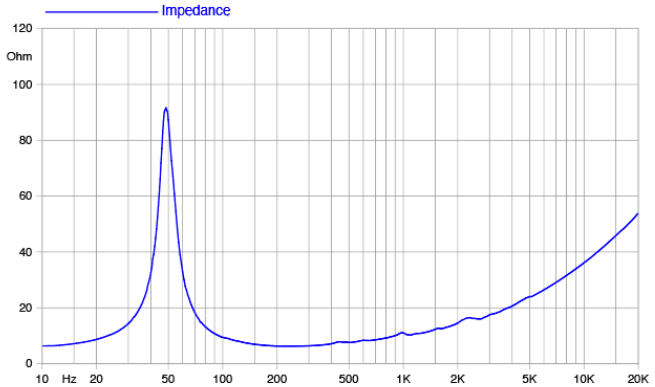
(3) Treated Polycotton

(4) Xmax= [(winding depth - magnetic gap depth)/2] + (magnetic gap depth/3)

(5) Maximum excursion before permanent damage







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