faital PRO PROFESSIONAL LOUDSPEAKERS

12HP1020

12" - 700 W - 97 dB - 8 Ohm



NOMINAL SPECIFICATIONS

Nominal Diameter	300 mm (12 in)
Overall Diameter	316 mm (12.44 in)
Bolt Circle Diameter	298.5 mm (11.75 in)
Baffle Cutout Diameter	284 mm (11.18 in)
Depth	155.75 mm (6.13 in)
Flange and Gasket Thickness	12.45 mm (0.49 in)
Net Weight	**5.8 kg (12.8 lb)**
Shipping Box (Single Carton Box)	350 x 346 x 216 mm (13.8 x 13.6 x 8.5 in)
Shipping Weight	6.5 kg (14.3 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	03003940
Recone Kit - 8 Ohm Version	R3003940

TECHNICAL PARAMETERS

Nominal Impedance	8 Ohm
Minimum Impedance	7.1 Ohm
AES Power Handling **(1)**	700 W
Maximum Power Handling (2)	**1400 W**
Sensitivity (1W/1m)	**97 dB**
Frequency Range	55÷3150 Hz
Voice Coil Diameter	**100 mm (4 in)**
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	22 mm (0.87 in)
Magnetic Gap Depth	**12 mm (0.47 in)**
Flux Density	1.3 T
Magnet	Neodymium Slug
Basket Material	Aluminum
Demodulation	No
Cone Surround **(3)**	M-Roll
NET Air Volume filled by Loudspeaker	2.8 dm^3 (0.099 ft^3)
Spider Profile	2x non-adjacent symmetrical constant height waves

THIELE & SMALL PARAMETERS

Fs	55 Hz
Re	5.5 Ohm
Qes	0.28
Qms	9.4
Qts	0.27
Vas	38.6 dm^3 (1.36 ft^3)
Sd	533 cm^2 (82.62 in^2)
Xmax **(4)**	9.00 mm
Xdamage **(5)**	16 mm
Mms	86.0 g
Bl	24.3 N/A
Le	1.1 mH
Mmd	72.1 g
Cms	0.10 mm/N
Rms	3.2 kg/s
Eta Zero	2.25 %
EBP	196 Hz

NOTES:

PATENTED IT 2006/000327

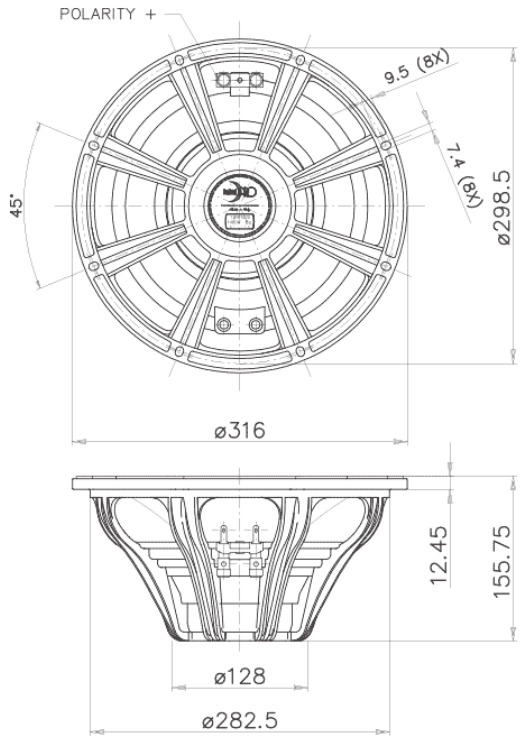
(1) 2 Hours Test According to AES 2-1984 Rev. 2003

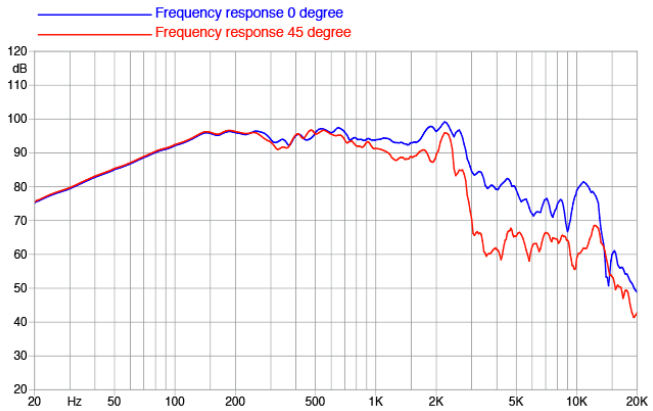
(2) Maximum power is defined as 3dB greater than nominal power.

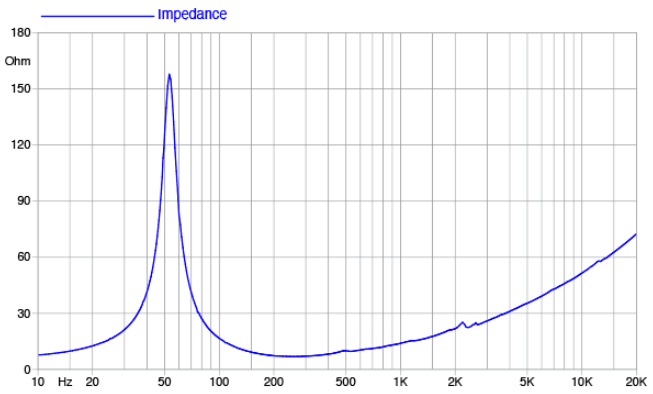
(3) Treated Polycotton

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

(5) Maximum excursion before permanent damage







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