faital PRO PROFESSIONAL LOUDSPEAKERS

12PR300

12" - 300 W - 97 dB - 16 Ohm



NOMINAL SPECIFICATIONS

Nominal Diameter	300 mm (12 in)
Overall Diameter	315.2 mm (12.44 in)
Bolt Circle Diameter	298.5 mm (11.75 in)
Baffle Cutout Diameter	283 mm (11.14 in)
Depth	140.6 mm (5.54 in)
Flange and Gasket Thickness	12.1 mm (0.48 in)
Net Weight	**2.5 kg (5.5 lb)**
Shipping Box (Single Carton Box)	350 x 346 x 216 mm (13.8 x 13.6 x 8.5 in)
Shipping Weight	3.3 kg (7.2 lb)

PART NUMBER

Push Terminals - 16 Ohm Version	03004013

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)

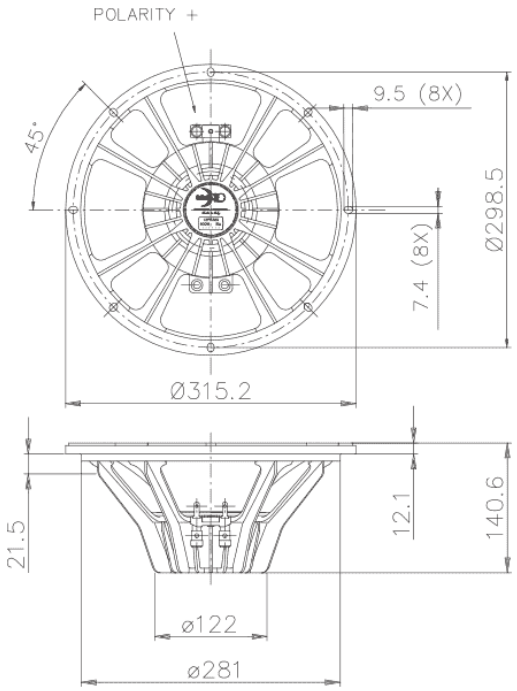
(5) Maximum excursion before permanent damage

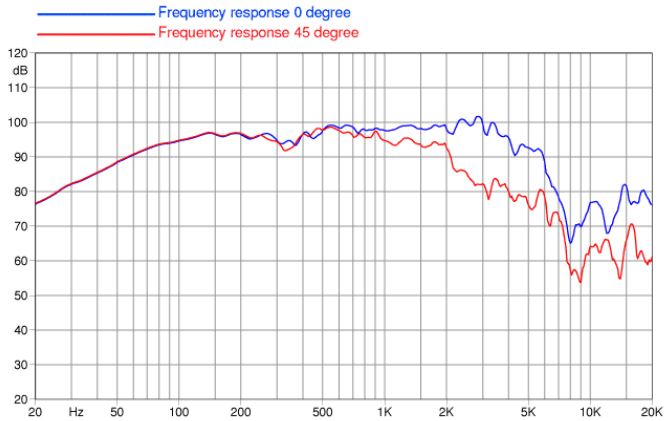
TECHNICAL PARAMETERS

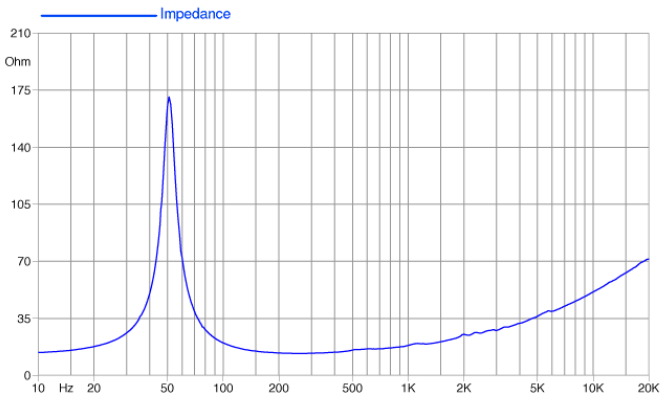
Nominal Impedance	16 Ohm
Minimum Impedance	13.2 Ohm
AES Power Handling **(1)**	300 W
Maximum Power Handling (2)	**600 W**
Sensitivity (1W/1m)	**97 dB**
Frequency Range	50÷5000 Hz
Voice Coil Diameter	**65 mm (2.56 in)**
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	12.5 mm (0.49 in)
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	1.25 T
Magnet	Neodymium Slug
Basket Material	Aluminum
Demodulation	No
Cone Surround **(3)**	M-Roll
NET Air Volume filled by Loudspeaker	1.9 dm^3 (0.067 ft^3)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	50 Hz
Re	12.1 Ohm
Qes	0.55
Qms	4.8
Qts	0.49
Vas	89.7 dm^3 (3.17 ft^3)
Sd	533 cm^2 (82.62 in^2)
Xmax **(4)**	4.92 mm
Xdamage **(5)**	14 mm
Mms	44.8 g
Bl	17.5 N/A
Le	0.98 mH
Mmd	30.9 g
Cms	0.23 mm/N
Rms	2.9 kg/s
Eta Zero	1.96 %
EBP	91 Hz







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