faital PRO PROFESSIONAL LOUDSPEAKERS

12FH500

12" - 500 W - 97 dB - 4 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	**3.9 kg (8.6 lb)**
Shipping Box (Single Carton Box)	350 x 346 x 216 mm (13.8 x 13.6 x 8.5 in)
Shipping Weight	4.7 kg (10.4 lb)

PART NUMBER

Push Terminals - 4 Ohm Version	03004044

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)

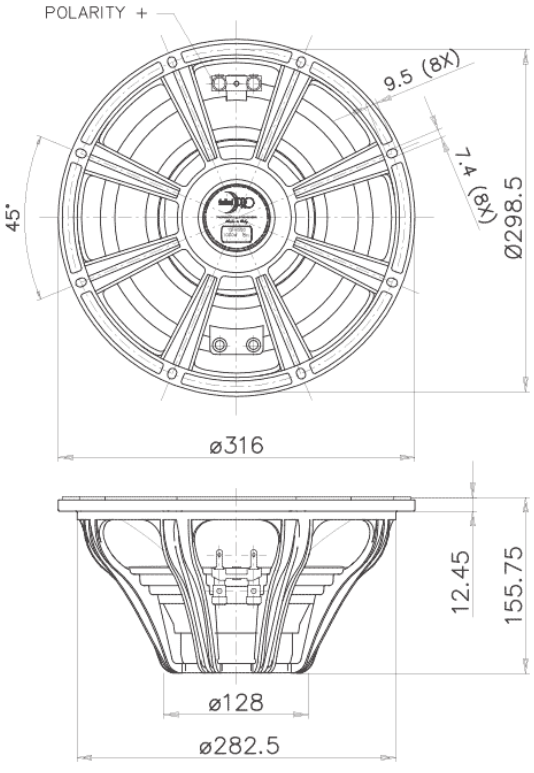
(5) Maximum excursion before permanent damage

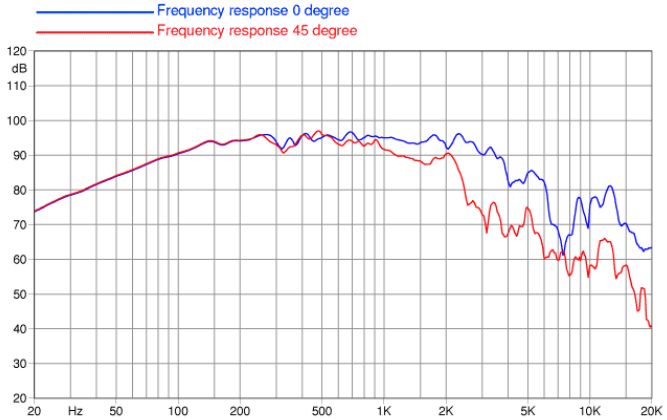
TECHNICAL PARAMETERS

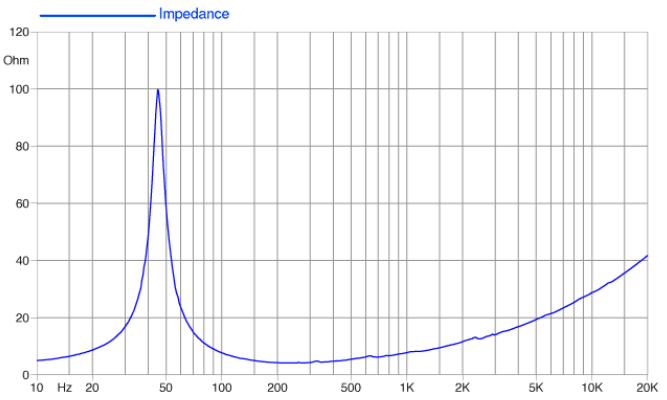
Nominal Impedance	4 Ohm
Minimum Impedance	4 Ohm
AES Power Handling **(1)**	500 W
Maximum Power Handling (2)	**1000 W**
Sensitivity (1W/1m)	**97 dB**
Frequency Range	45÷4000 Hz
Voice Coil Diameter	**77 mm (3 in)**
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	18 mm (0.71 in)
Magnetic Gap Depth	**10.5 mm (0.41 in)**
Flux Density	1.2 T
Magnet	Neodymium Slug
Basket Material	Aluminum
Demodulation	No
Cone Surround **(3)**	M-Roll
NET Air Volume filled by Loudspeaker	2.3 dm^3 (0.081 ft^3)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	45 Hz
Re	3.3 Ohm
Qes	0.23
Qms	9.09
Qts	0.22
Vas	80.3 dm^3 (2.83 ft^3)
Sd	529 cm^2 (82.00 in^2)
Xmax **(4)**	7.25 mm
Xdamage **(5)**	16 mm
Mms	60.9 g
Bl	15.5 N/A
Le	0.63 mH
Mmd	47.1 g
Cms	0.21 mm/N
Rms	1.9 kg/s
Eta Zero	3.00 %
EBP	196 Hz







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