faital PRO PROFESSIONAL LOUDSPEAKERS

12FE300

12" - 250 W - 97 dB - 8 Ohm



NOMINAL SPECIFICATIONS

Nominal Diameter	300 mm (12 in)
Overall Diameter	311 mm (12.24 in)
Bolt Circle Diameter	294 mm (11.57 in)
Baffle Cutout Diameter	284 mm (11.18 in)
Depth	133 mm (5.24 in)
Flange and Gasket Thickness	8 mm (0.31 in)
Net Weight	**3.5 kg (7.7 lb)**
Shipping Box (Single Carton Box)	350 x 346 x 190 mm (13.7 x 13.6 x 7.48 in)
Shipping Weight	4.3 kg (9.5 lb)

PART NUMBER

Faston Terminals - 8 Ohm Version	03004320

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)

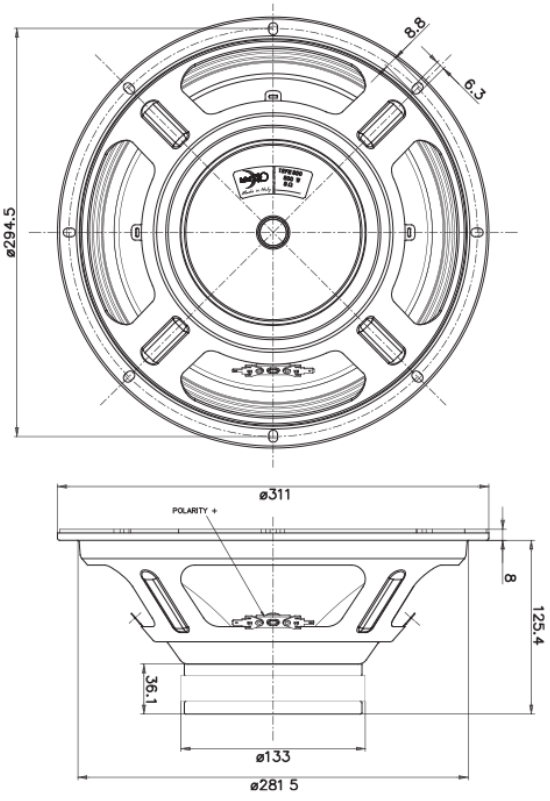
(5) Maximum excursion before permanent damage

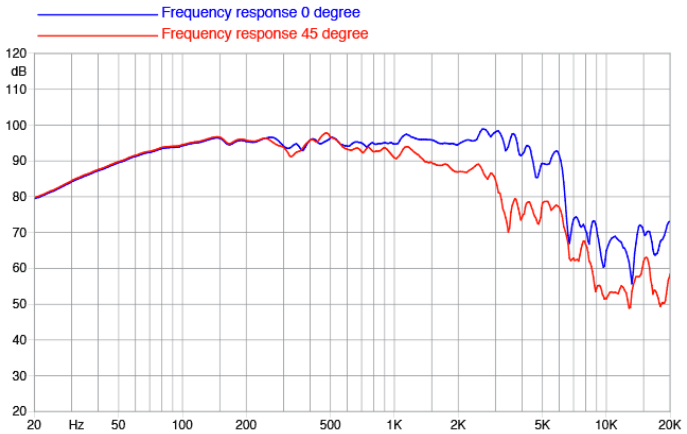
TECHNICAL PARAMETERS

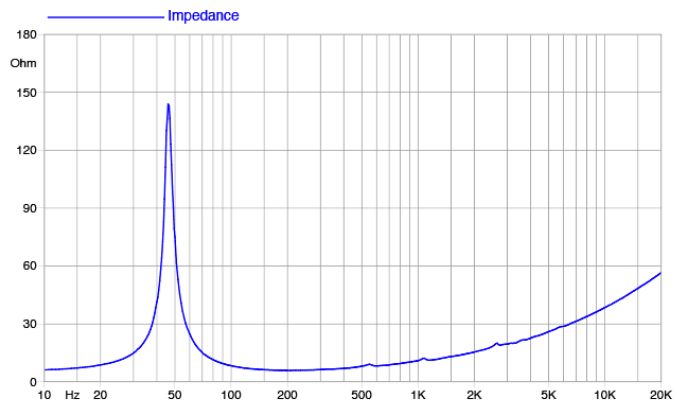
Nominal Impedance	8 Ohm
Minimum Impedance	6.1 Ohm
AES Power Handling **(1)**	250 W
Maximum Power Handling (2)	**500 W**
Sensitivity (1W/1m)	**97 dB**
Frequency Range	50÷4000 Hz
Voice Coil Diameter	**52 mm (2.05 in)**
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	12.8 mm (0.50 in)
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	1.1 T
Magnet	Ferrite Ring
Basket Material	Steel
Demodulation	No
Cone Surround **(3)**	Triple Roll
NET Air Volume filled by Loudspeaker	2 dm^3 (0.071 ft^3)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	47 Hz
Re	5.1 Ohm
Qes	0.53
Qms	15.5
Qts	0.51
Vas	83.7 dm^3 (2.96 ft^3)
Sd	543 cm^2 (84.17 in^2)
Xmax **(4)**	5.07 mm
Xdamage **(5)**	16.7 mm
Mms	56.4 g
Bl	12.5 N/A
Le	0.8 mH
Mmd	42.1 g
Cms	0.20 mm/N
Rms	1.1 kg/s
Eta Zero	1.55 %
EBP	89 Hz







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