faital PRO PROFESSIONAL LOUDSPEAKERS

8FE300

8" - 250 W - 95 dB - 8 Ohm



NOMINAL SPECIFICATIONS

Nominal Diameter	200 mm (8 in)
Overall Diameter	209 mm (8.23 in)
Bolt Circle Diameter	197.5 mm (7.78 in)
Baffle Cutout Diameter	183 mm (7.20 in)
Depth	95 mm (3.74 in)
Flange and Gasket Thickness	7 mm (0.28 in)
Net Weight	**3.1 kg (6.8 lb)**
Shipping Box (Single Carton Box)	227 x 224 x 113 mm (8.93 x 8.81 x 4.44 in)
Shipping Weight	3.2 kg (7.1 lb)

PART NUMBER

Faston Terminals - 8 Ohm Version	02004322

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)

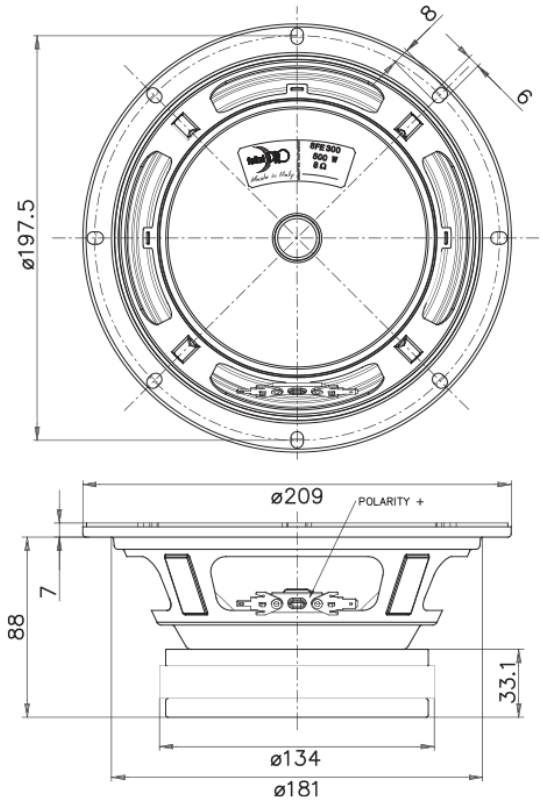
(5) Maximum excursion before permanent damage

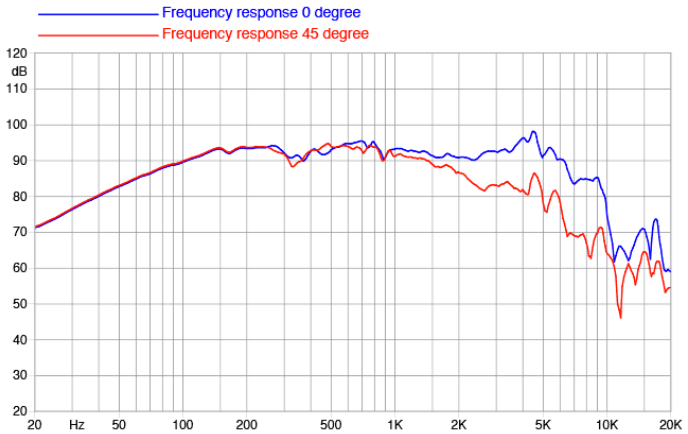
TECHNICAL PARAMETERS

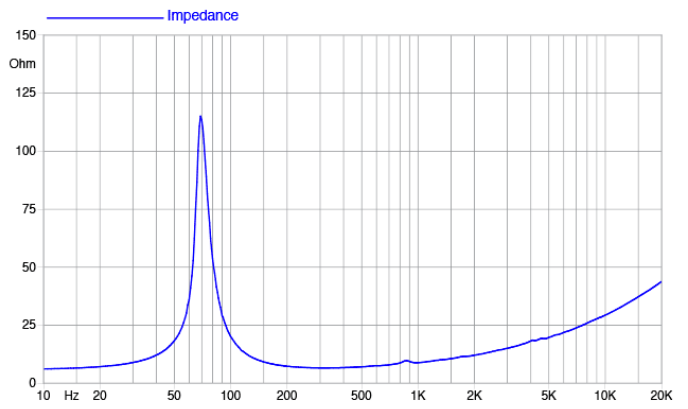
Nominal Impedance	8 Ohm
Minimum Impedance	6.9 Ohm
AES Power Handling **(1)**	250 W
Maximum Power Handling (2)	**500 W**
Sensitivity (1W/1m)	**95 dB**
Frequency Range	80÷5000 Hz
Voice Coil Diameter	**52 mm (2.05 in)**
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	13.7 mm (0.54 in)
Magnetic 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	0.7 dm^3 (0.025 ft^3)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	70 Hz
Re	5.8 Ohm
Qes	0.46
Qms	13.4
Qts	0.44
Vas	15.7 dm^3 (0.55 ft^3)
Sd	223 cm^2 (34.57 in^2)
Xmax **(4)**	5.52 mm
Xdamage **(5)**	11.6 mm
Mms	22.9 g
Bl	11.3 N/A
Le	0.55 mH
Mmd	19.1 g
Cms	0.23 mm/N
Rms	0.8 kg/s
Eta Zero	1.14 %
EBP	152 Hz







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