faital PRO PROFESSIONAL LOUDSPEAKERS

5FE100

5" - 80 W - 87 dB - 4 Ohm



NOMINAL SPECIFICATIONS

Nominal Diameter	130 mm (5 in)
Overall Diameter	144.8/124.5 mm (5.7/4.9 in)
Bolt Circle Diameter	133 mm (5.24 in)
Baffle Cutout Diameter	114 mm (4.49 in)
Depth	71.5 mm (2.81 in)
Flange and Gasket Thickness	6.5 mm (0.25 in)
Net Weight	**1.1 kg (2.5 lb)**
Shipping Box (Single Carton Box - 8 units)	302 x 275 x 186 mm (11.9 x 10.8 x 7.3 in)
Shipping Weight (8 units)	10.1 kg (22.3 lb)

PART NUMBER

Faston Terminals - 4 Ohm Version	01304156

NOTES:

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

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

(3) NBR (Rubber)

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

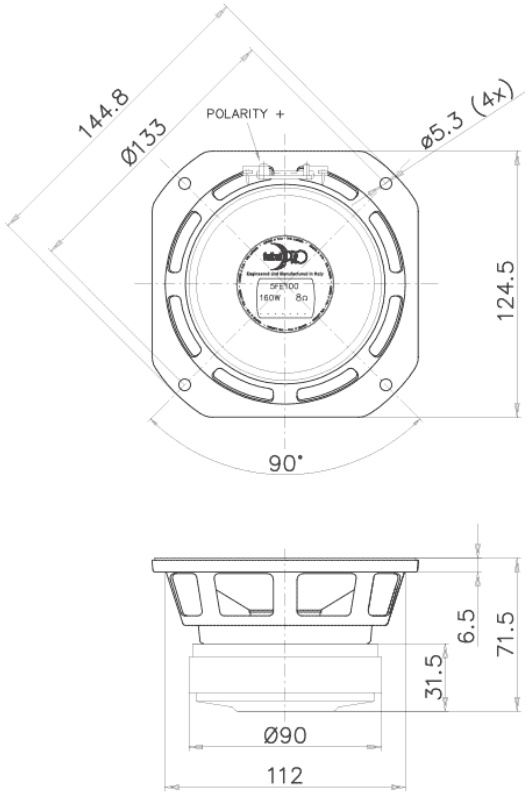
(5) Maximum excursion before permanent damage

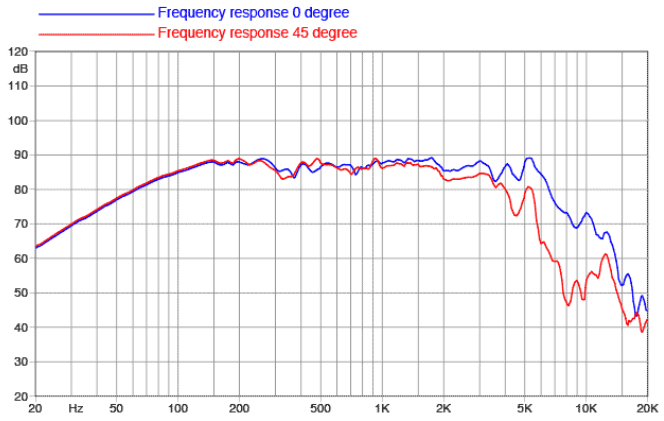
TECHNICAL PARAMETERS

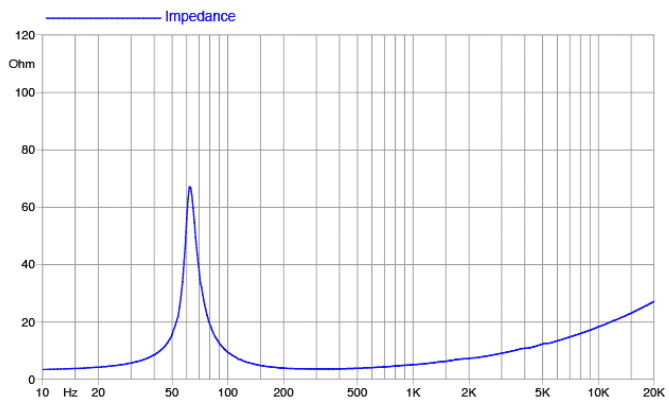
Nominal Impedance	4 Ohm
Minimum Impedance	3.8 Ohm
AES Power Handling **(1)**	80 W
Maximum Power Handling (2)	**160 W**
Sensitivity (1W/1m)	**87 dB**
Frequency Range	63÷6300 Hz
Voice Coil Diameter	**32 mm (1.26 in)**
Winding Material	Cu
Former Material	Kapton
Winding Depth	12.4 mm (0.49 in)
Magnetic Gap Depth	**6 mm (0.24 in)**
Flux Density	1 T
Magnet	Ferrite Ring
Basket Material	Steel
Demodulation	No
Cone Surround **(3)**	Half Roll
NET Air Volume filled by Loudspeaker	0.3 dm^3 (0.011 ft^3)
Spider Profile	1x constant height waves

THIELE & SMALL PARAMETERS

Fs	65 Hz
Re	3.1 Ohm
Qes	0.35
Qms	8.6
Qts	0.33
Vas	6.1 dm^3 (0.21 ft^3)
Sd	84 cm^2 (13.07 in^2)
Xmax **(4)**	5.20 mm
Xdamage **(5)**	9.5 mm
Mms	9.8 g
Bl	6 N/A
Le	0.45 mH
Mmd	8.9 g
Cms	0.61 mm/N
Rms	0.5 kg/s
Eta Zero	0.47 %
EBP	188 Hz







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