faital PRO PROFESSIONAL LOUDSPEAKERS

M5N8-80

5" - 80 W - 99 dB - 12 Ohm



NOMINAL SPECIFICATIONS

Nominal Diameter	130 mm (5 in)
Overall Diameter	153/140 mm (6.02/5.51 in)
Bolt Circle Diameter	139 mm (5.5 in)
Baffle Cutout Diameter	129 mm (5.08 in)
Depth	80.2 mm (3.16 in)
Flange and Gasket Thickness	8.8 mm (0.35 in)
Net Weight	**0.95 kg (2.09 lb)**
Shipping Box (Single Carton Box)	165 x 160 x 103 mm (6.5 x 6.3 x 4.1 in)
Shipping Weight	1.2 kg (2.65 lb)

TECHNICAL PARAMETERS

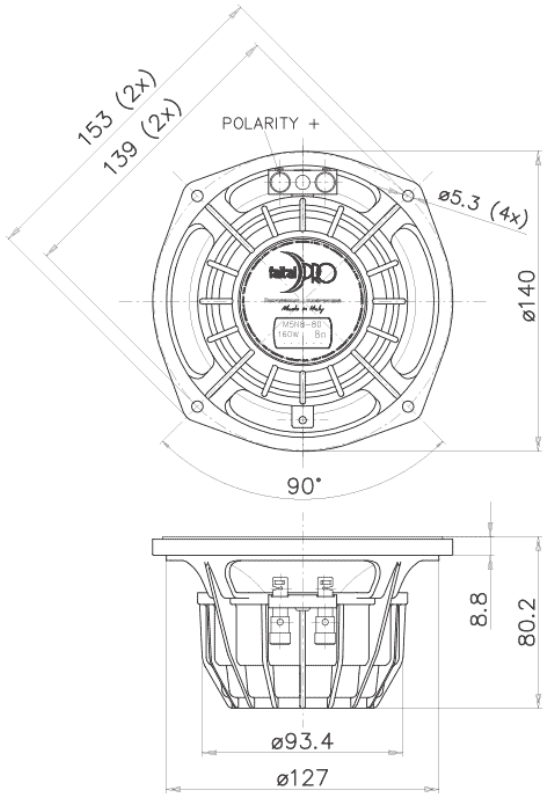
Nominal Impedance	12 Ohm
Minimum Impedance	8.8 Ohm
AES Power Handling **(1)**	80 W
Maximum Power Handling (2)	**160 W**
Sensitivity (1W/1m)	**99 dB**
Frequency Range	180÷6300 Hz
Voice Coil Diameter	**32 mm (1.26 in)**
Winding Material	Cu
Former Material	Kapton
Winding Depth	7.5 mm (0.29 in)
Magnetic Gap Depth	**6 mm (0.24 in)**
Flux Density	1.65 T
Magnet	Neodymium Ring
Basket Material	Aluminum
Demodulation	No
Cone Surround **(3)**	M-Roll
NET Air Volume filled by Loudspeaker	0.6 dm^3 (0.021 ft^3)
Spider Profile	1x constant height waves

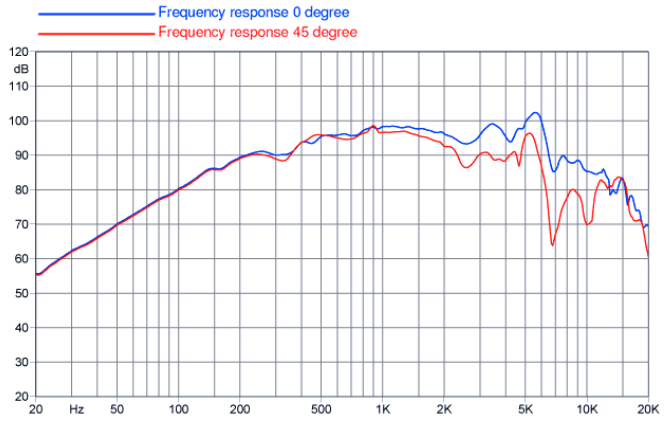
THIELE & SMALL PARAMETERS

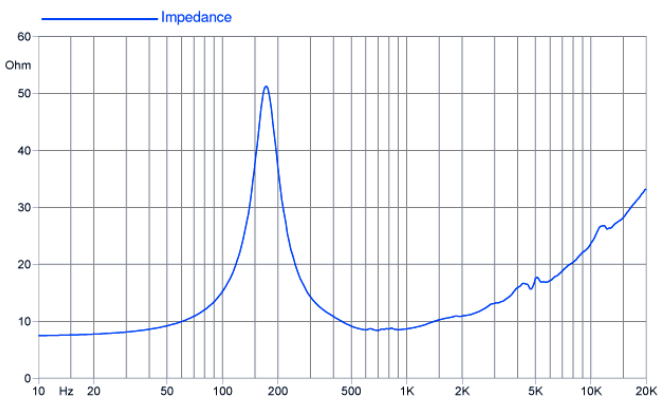
Fs	180 Hz
Re	7.2 Ohm
Qes	0.54
Qms	2.7
Qts	0.45
Vas	1.4 dm^3 (0.05 ft^3)
Sd	102 cm^2 (15.84 in^2)
Xmax **(4)**	2.75 mm
Xdamage **(5)**	15.2 mm
Mms	8.4 g
Bl	11.3 N/A
Le	0.15 mH
Mmd	7.2 g
Cms	0.09 mm/N
Rms	3.5 kg/s
Eta Zero	1.43 %
EBP	333 Hz

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







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