faital PRO PROFESSIONAL LOUDSPEAKERS

3FE20

3" - 20 W - 91 dB - 8 Ohm



NOMINAL SPECIFICATIONS

Nominal Diameter	80 mm (3 in)
Overall Diameter	99 mm (3.9 in)
Bolt Circle Diameter	92 mm (3.62 in)
Baffle Cutout Diameter	75 mm (2.95 in)
Depth	39.5 mm (1.55 in)
Flange and Gasket Thickness	6.5 mm (0.25 in)
Net Weight	**230 g (0.51 lb)**
Shipping Box (Single Carton Box - 27 units)	310 x 285 x 210 mm (12.2 x 11.2 x 8.26 in)
Shipping Weight (27 units)	7.6 kg (16.72 lb)

TECHNICAL PARAMETERS

Nominal Impedance	8 Ohm
Minimum Impedance	6.2 Ohm
AES Power Handling **(1)**	20 W
Maximum Power Handling (2)	**40 W**
Sensitivity (1W/1m)	**91 dB**
Frequency Range	100÷20000 Hz
Voice Coil Diameter	**19 mm (0.75 in)**
Winding Material	Al
Former Material	Kapton
Winding Depth	5 mm (0.20 in)
Magnetic Gap Depth	**4 mm (0.16 in)**
Flux Density	1.4 T
Magnet	Neodymium Ring
Basket Material	Steel
Demodulation	No
Cone Surround **(3)**	Half Roll
NET Air Volume filled by Loudspeaker	0.060 dm^3 (0.002 ft^3)
Spider Profile	1x constant height waves

THIELE & SMALL PARAMETERS

Fs	110 Hz
Re	6.2 Ohm
Qes	0.50
Qms	5.0
Qts	0.47
Vas	1.10 dm^3 (0.04 ft^3)
Sd	30.2 cm^2 (4.68 in^2)
Xmax **(4)**	1.83 mm
Xdamage **(5)**	7.3 mm
Mms	2.5 g
Bl	4.5 N/A
Le	0.15 mH
Mmd	2.4 g
Cms	0.85 mm/N
Rms	0.35 kg/s
Eta Zero	0.28 %
EBP	220 Hz

NOTES:

Packaged and sold in multiples of 27 units

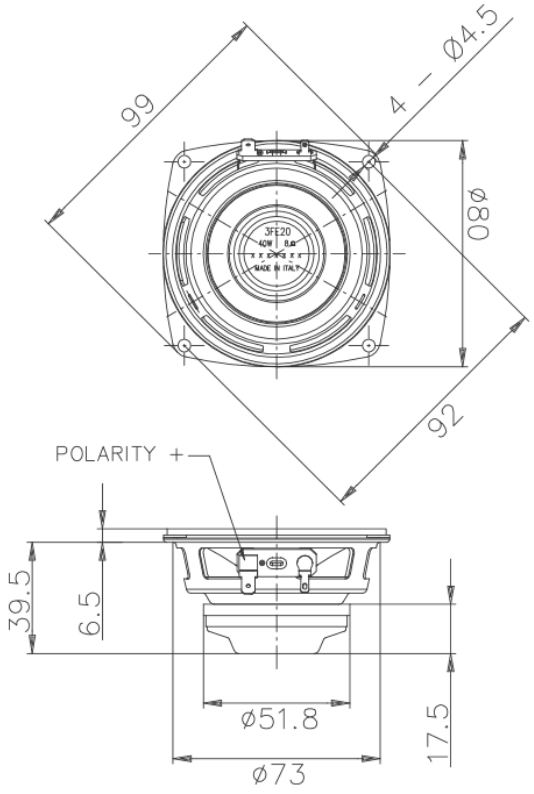
(1) 2 Hours Test According to AES 2-1984 Rev. 2003

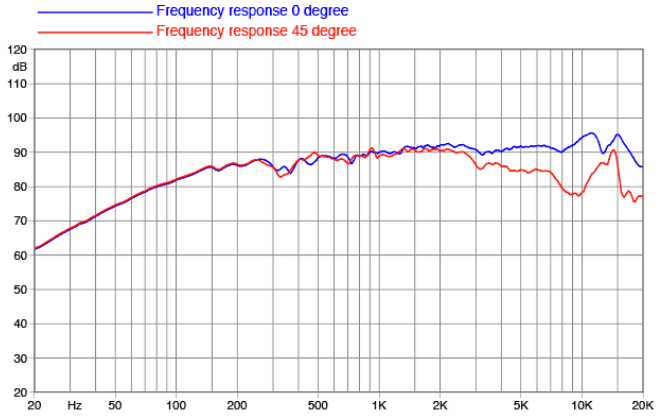
(2) Maximum power is defined as 3dB greater than nominal power.

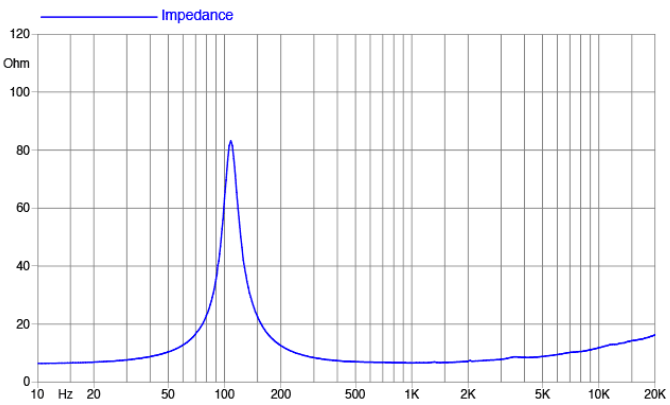
(3) NBR (Rubber)

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

(5) Maximum excursion before permanent damage







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