faital PRO PROFESSIONAL LOUDSPEAKERS

18FX800

18" - 1000 W - 96 dB - 8 Ohm



NOMINAL SPECIFICATIONS

Nominal Diameter	460 mm (18 in)
Overall Diameter	460 mm (18.11 in)
Bolt Circle Diameter	440 mm (17.32 in)
Baffle Cutout Diameter	422 mm (16.61 in)
Depth	215 mm (8.46 in)
Flange and Gasket Thickness	13.9 mm (0.55 in)
Net Weight	**6 kg (13.2 lb)**
Shipping Box (Single Carton Box)	503 x 500 x 258 mm (19.8 x 19.7 x 10.2 in)
Shipping Weight	7.4 kg (16.3 lb)

TECHNICAL PARAMETERS

Nominal Impedance	8 Ohm
Minimum Impedance	7.4 Ohm
AES Power Handling **(1)**	1000 W
Maximum Power Handling (2)	**2000 W**
Sensitivity (1W/1m)	**96 dB**
Frequency Range	30÷1600 Hz
Voice Coil Diameter	**90 mm (3.54 in)**
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	31 mm (1.22 in)
Magnetic Gap Depth	**10.2 mm (0.40 in)**
Flux Density	1.1 T
Magnet	Neodymium Ring
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround **(3)**	Triple Roll
NET Air Volume filled by Loudspeaker	7.3 dm^3 (0.258 ft^3)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	34 Hz
Re	6.2 Ohm
Qes	0.43
Qms	6.8
Qts	0.40
Vas	247.0 dm^3 (8.72 ft^3)
Sd	1213 cm^2 (188.02 in^2)
Xmax **(4)**	13.80 mm
Xdamage **(5)**	27 mm
Mms	182.3 g
Bl	24.0 N/A
Le	1.5 mH
Mmd	134.6 g
Cms	0.12 mm/N
Rms	5.8 kg/s
Eta Zero	2.2 %
EBP	79 Hz

NOTES:

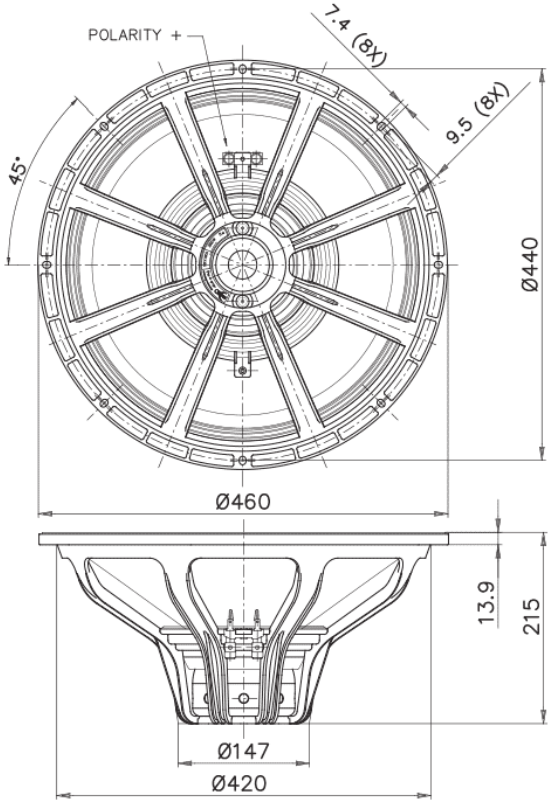
(1) 2 Hours Test According to AES 2-1984 Rev. 2003

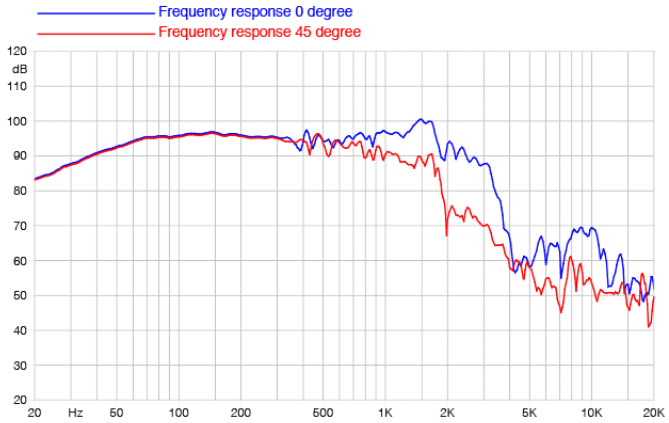
(2) Maximum power is defined as 3dB greater than nominal power.

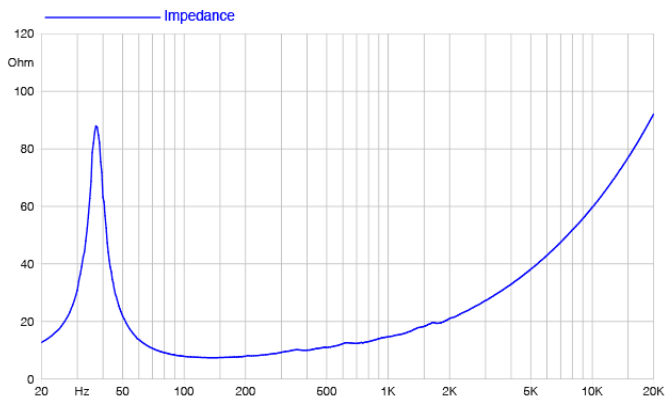
(3) Treated Polycotton

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

(5) Maximum excursion before permanent damage







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