faital PRO PROFESSIONAL LOUDSPEAKERS

15HP1020

15" - 700 W - 98 dB - 8 Ohm



NOMINAL SPECIFICATIONS

Nominal Diameter	380 mm (15 in)
Overall Diameter	393 mm (15.47 in)
Bolt Circle Diameter	374 mm (14.72 in)
Baffle Cutout Diameter	356 mm (14.02 in)
Depth	181.3 mm (7.14 in)
Flange and Gasket Thickness	13.7 mm (0.54 in)
Net Weight	**6.2 kg (13.6 lb)**
Shipping Box (Single Carton Box)	430 x 427 x 236 mm (16.9 x 16.8 x 9.3 in)
Shipping Weight	7.2 kg (15.9 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	03803941
Recone Kit - 8 Ohm Version	R3803941

TECHNICAL PARAMETERS

Nominal Impedance	8 Ohm
Minimum Impedance	6.9 Ohm
AES Power Handling **(1)**	700 W
Maximum Power Handling (2)	**1400 W**
Sensitivity (1W/1m)	**98 dB**
Frequency Range	40÷4000 Hz
Voice Coil Diameter	**100 mm (4 in)**
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	22 mm (0.87 in)
Magnetic Gap Depth	**12 mm (0.47 in)**
Flux Density	1.3 T
Magnet	Neodymium Slug
Basket Material	Aluminum
Demodulation	No
Cone Surround **(3)**	Triple Roll
NET Air Volume filled by Loudspeaker	3.9 dm^3 (0.138 ft^3)
Spider Profile	2x non-adjacent symmetrical constant height waves

THIELE & SMALL PARAMETERS

Fs	40 Hz
Re	5.5 Ohm
Qes	0.28
Qms	10.2
Qts	0.27
Vas	126.6 dm^3 (4.47 ft^3)
Sd	822 cm^2 (127.41 in^2)
Xmax **(4)**	9.00 mm
Xdamage **(5)**	16 mm
Mms	118.0 g
Bl	24.2 N/A
Le	1.2 mH
Mmd	91.4 g
Cms	0.13 mm/N
Rms	2.9 kg/s
Eta Zero	2.82 %
EBP	143 Hz

NOTES:

PATENTED IT 2006/000327

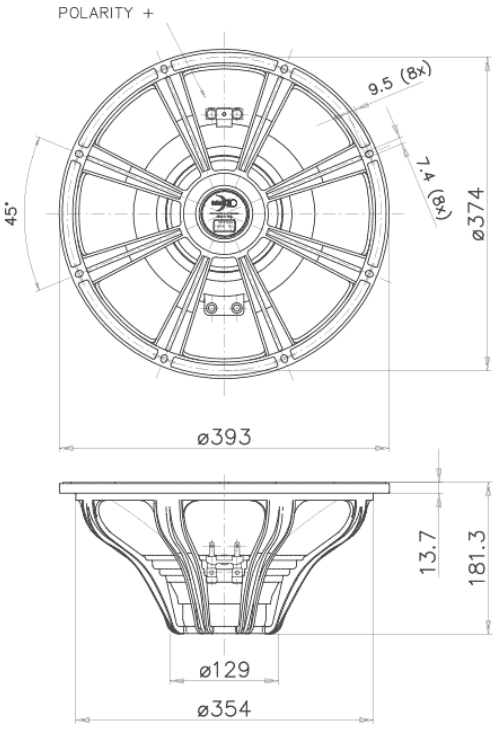
(1) 2 Hours Test According to AES 2-1984 Rev. 2003

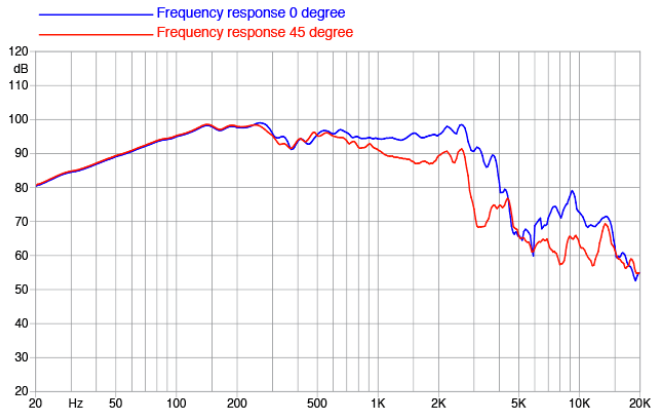
(2) Maximum power is defined as 3dB greater than nominal power.

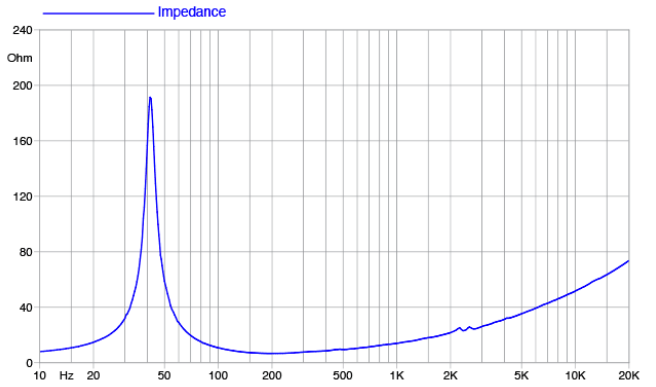
(3) Treated Polycotton

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

(5) Maximum excursion before permanent damage







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