faital PRO PROFESSIONAL LOUDSPEAKERS

12HP1030

12" - 1000 W - 95 dB - 8 Ohm



NOMINAL SPECIFICATIONS

Nominal Diameter	300 mm (12 in)
Overall Diameter	316 mm (12.44 in)
Bolt Circle Diameter	298.5 mm (11.75 in)
Baffle Cutout Diameter	282 mm (11.10 in)
Depth	147 mm (5.79 in)
Flange and Gasket Thickness	12 mm (0.47 in)
Net Weight	**11.1 kg (24.5 lb)**
Shipping Box (Single Carton Box)	350 x 346 x 190 mm (13.8 x 13.6 x 7.5 in)
Shipping Weight	11.8 kg (26.0 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	03004072
Recone Kit - 8 Ohm Version	R3004072

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)

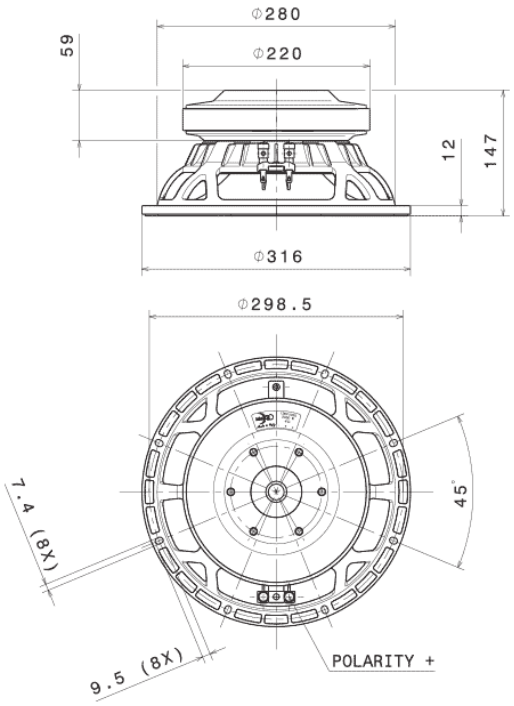
(5) Maximum excursion before permanent damage

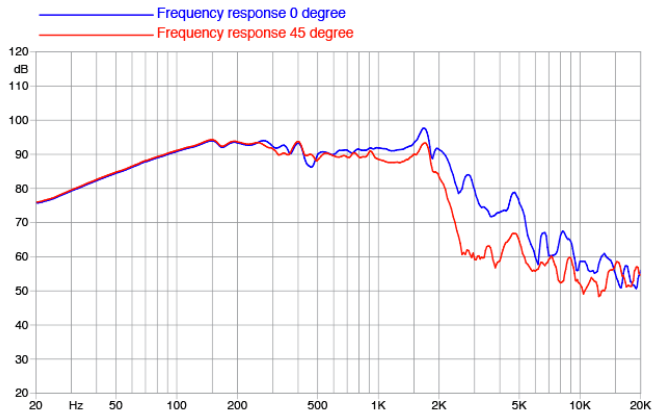
TECHNICAL PARAMETERS

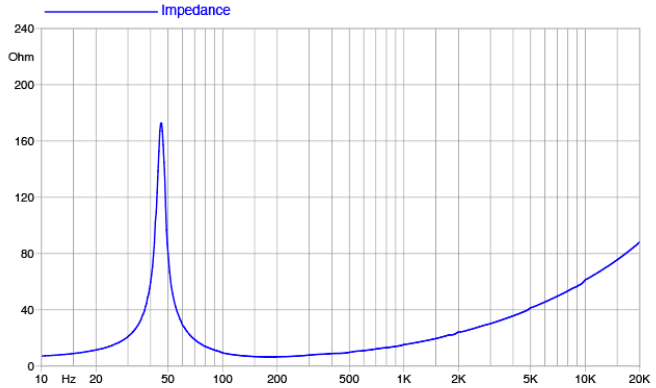
Nominal Impedance	8 Ohm
Minimum Impedance	6.7 Ohm
AES Power Handling **(1)**	1000 W
Maximum Power Handling (2)	**2000 W**
Sensitivity (1W/1m)	**95 dB**
Frequency Range	45÷1600 Hz
Voice Coil Diameter	**100 mm (4 in)**
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	28.9 mm (1.14 in)
Magnetic Gap Depth	**12 mm (0.47 in)**
Flux Density	1.1 T
Magnet	Ferrite Ring
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround **(3)**	Triple Roll
NET Air Volume filled by Loudspeaker	3.7 dm^3 (0.131 ft^3)
Spider Profile	2x non-adjacent symmetrical variable height waves

THIELE & SMALL PARAMETERS

Fs	45 Hz
Re	5 Ohm
Qes	0.31
Qms	13.8
Qts	0.30
Vas	35.9 dm^3 (1.27 ft^3)
Sd	518 cm^2 (80.29 in^2)
Xmax **(4)**	12.45 mm
Xdamage **(5)**	20.5 mm
Mms	130.5 g
Bl	24.3 N/A
Le	1.35 mH
Mmd	117.2 g
Cms	0.10 mm/N
Rms	2.7 kg/s
Eta Zero	1.02 %
EBP	145 Hz







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