faital PRO PROFESSIONAL LOUDSPEAKERS

12PR300

12" - 300 W - 99 dB - 8 Ohm



NOMINAL SPECIFICATIONS

Nominal Diameter	300 mm (12 in)
Overall Diameter	315.2 mm (12.4 in)
Bolt Circle Diameter	298.5 mm (11.75 in)
Baffle Cutout Diameter	283 mm (11.14 in)
Depth	140.6 mm (5.54 in)
Flange and Gasket Thickness	12.1 mm (0.48 in)
Net Weight	**2.5 kg (5.5 lb)**
Shipping Box (Single Carton Box)	350 x 346 x 216 mm (13.8 x 13.6 x 8.5 in)
Shipping Weight	3.25 kg (7.2 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	03003958
Recone Kit - 8 Ohm Version	R3003958

TECHNICAL PARAMETERS

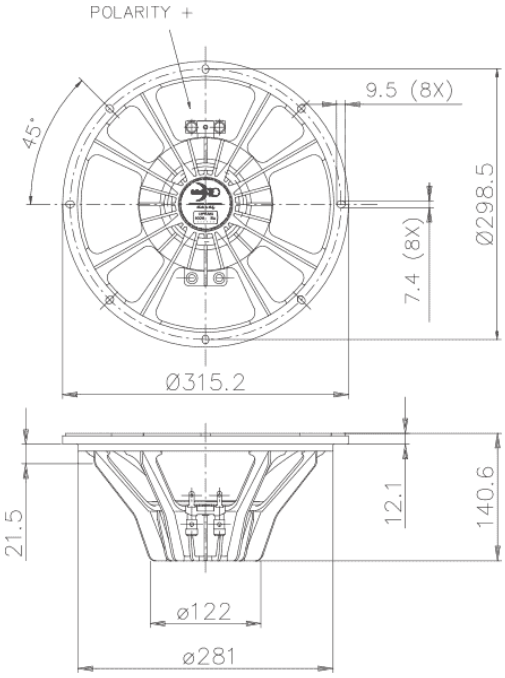
Nominal Impedance	8 Ohm
Minimum Impedance	6.2 Ohm
AES Power Handling **(1)**	300 W
Maximum Power Handling (2)	**600 W**
Sensitivity (1W/1m)	**99 dB**
Frequency Range	50÷5000 Hz
Voice Coil Diameter	**65 mm (2.56 in)**
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	12.5 mm (0.49 in)
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	1.25 T
Magnet	Neodymium Slug
Basket Material	Aluminum
Demodulation	No
Cone Surround **(3)**	M-Roll
NET Air Volume filled by Loudspeaker	1.9 dm^3 (0.067 ft^3)
Spider Profile	1x variable height waves

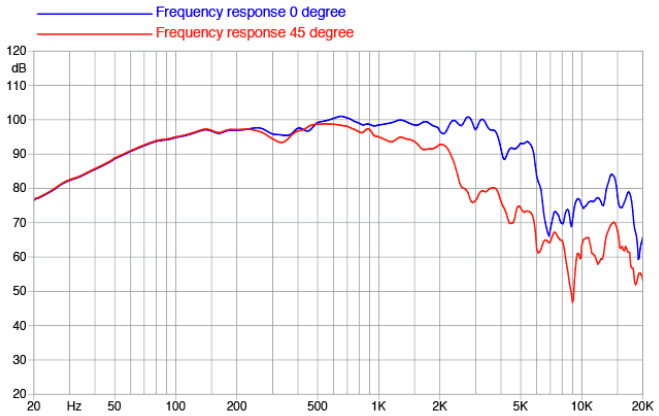
THIELE & SMALL PARAMETERS

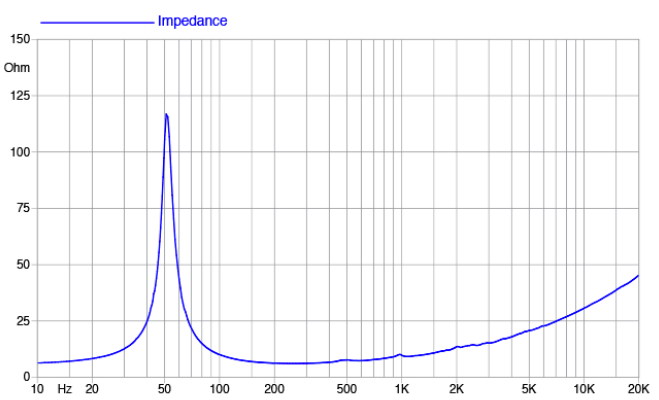
Fs	50 Hz
Re	5.4 Ohm
Qes	0.37
Qms	9.9
Qts	0.36
Vas	92.6 dm^3 (3.27 ft^3)
Sd	533 cm^2 (82.62 in^2)
Xmax **(4)**	4.92 mm
Xdamage **(5)**	14 mm
Mms	43.4 g
Bl	14.1 N/A
Le	0.42 mH
Mmd	29.5 g
Cms	0.23 mm/N
Rms	1.4 kg/s
Eta Zero	3.03 %
EBP	135 Hz

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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