faital PRO PROFESSIONAL LOUDSPEAKERS

12RS550

12" - 500 W - 93 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	145.1 mm (5.71 in)
Flange and Gasket Thickness	17.1 mm (0.67 in)
Net Weight	**8.1 kg (17.9 lb)**
Shipping Box (Single Carton Box)	350 x 346 x 216 mm (13.8 x 13.6 x 8.5 in)
Shipping Weight	8.8 kg (19.4 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	03004260
Recone Kit - 8 Ohm Version	R3004260

TECHNICAL PARAMETERS

Nominal Impedance	8 Ohm
Minimum Impedance	6.3 Ohm
AES Power Handling **(1)**	500 W
Maximum Power Handling (2)	**1000 W**
Sensitivity (1W/1m)	**93 dB**
Frequency Range	45÷2500 Hz
Voice Coil Diameter	**77 mm (3 in)**
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	22 mm (0.87 in)
Magnetic Gap Depth	**10.5 mm (0.41 in)**
Flux Density	1.2 T
Magnet	Ferrite Ring
Basket Material	Aluminum
Demodulation	No
Cone Surround **(3)**	Half Roll
NET Air Volume filled by Loudspeaker	2.9 dm^3 (0.102 ft^3)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	42 Hz
Re	5.1 Ohm
Qes	0.39
Qms	6.9
Qts	0.37
Vas	45.4 dm^3 (1.60 ft^3)
Sd	528 cm^2 (81.84 in^2)
Xmax **(4)**	9.25 mm
Xdamage **(5)**	20 mm
Mms	123 g
Bl	20.5 N/A
Le	1.5 mH
Mmd	109.3 g
Cms	0.12 mm/N
Rms	4.7 kg/s
Eta Zero	0.83 %
EBP	108 Hz

NOTES:

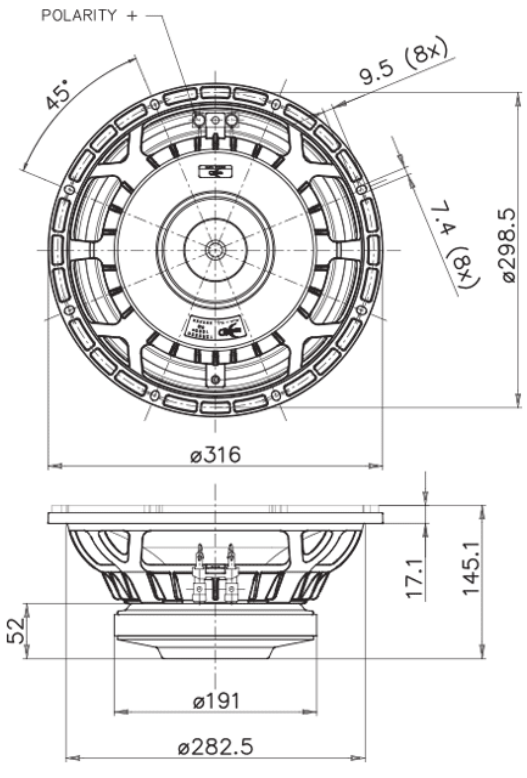
(1) 2 Hours Test According to AES 2-1984 Rev. 2003

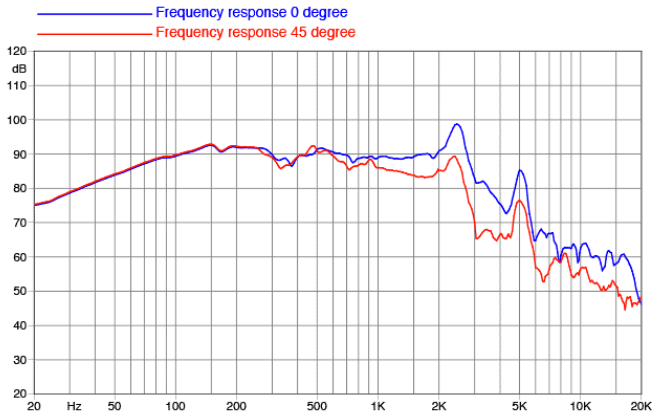
(2) Maximum power is defined as 3dB greater than nominal power.

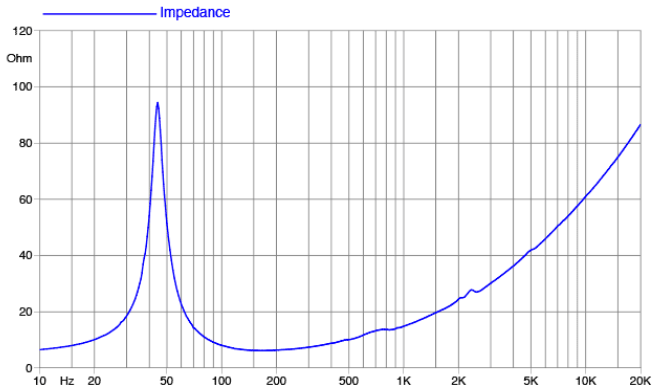
(3) NBR (Rubber)

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

(5) Maximum excursion before permanent damage







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