PROFESSIONAL LOUDSPEAKERS

12FH510

12" - 500 W - 98 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	140 mm (5.51 in)
Flange and Gasket Thickness	12 mm (0.47 in)
Net Weight	**7.8 kg (17.2 lb)**
Shipping Box (Single Carton Box)	350 x 346 x 190 mm (13.8 x 13.6 x 7.5 in)
Shipping Weight	8.7 kg (19.2 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	03004078
Recone Kit - 8 Ohm Version	R3004078

TECHNICAL PARAMETERS

Nominal Impedance	8 Ohm
Minimum Impedance	6.4 Ohm
AES Power Handling **(1)**	500 W
Maximum Power Handling (2)	**1000 W**
Sensitivity (1W/1m)	**98 dB**
Frequency Range	45÷3150 Hz
Voice Coil Diameter	**77 mm (3 in)**
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	18.5 mm (0.73 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)**	M-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	45 Hz
Re	5.1 Ohm
Qes	0.25
Qms	10.9
Qts	0.24
Vas	81.3 dm^3 (2.87 ft^3)
Sd	533 cm^2 (82.62 in^2)
Xmax **(4)**	7.50 mm
Xdamage **(5)**	21.5 mm
Mms	61.0 g
Bl	18.9 N/A
Le	0.9 mH
Mmd	47.1 g
Cms	0.21 mm/N
Rms	1.6 kg/s
Eta Zero	2.92 %
EBP	180 Hz

NOTES:

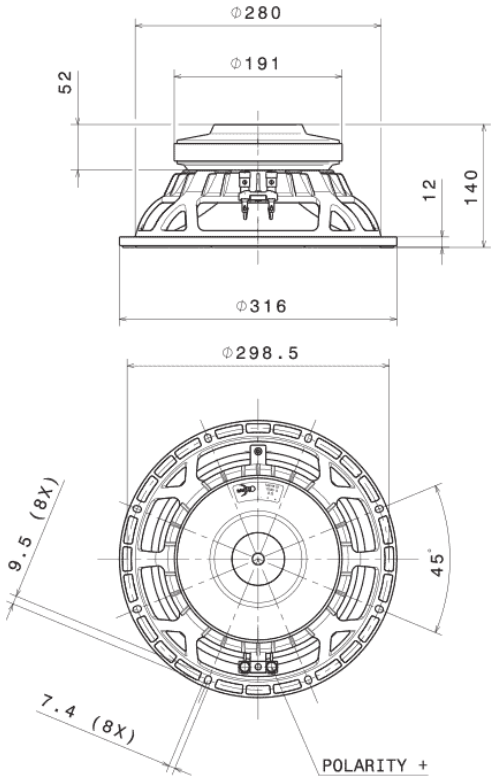
(1) 2 Hours Test According to AES 2-1984 Rev. 2003

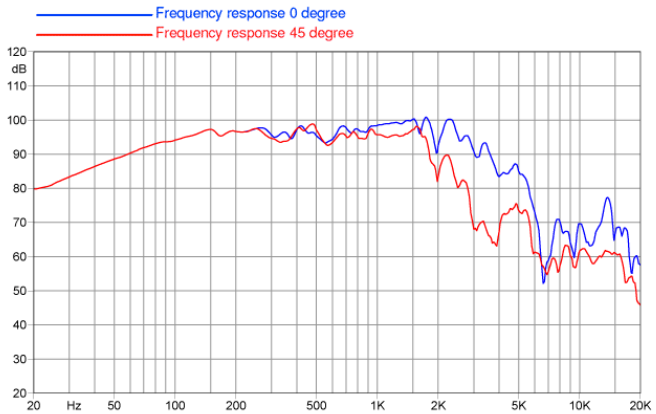
(2) Maximum power is defined as 3dB greater than nominal power.

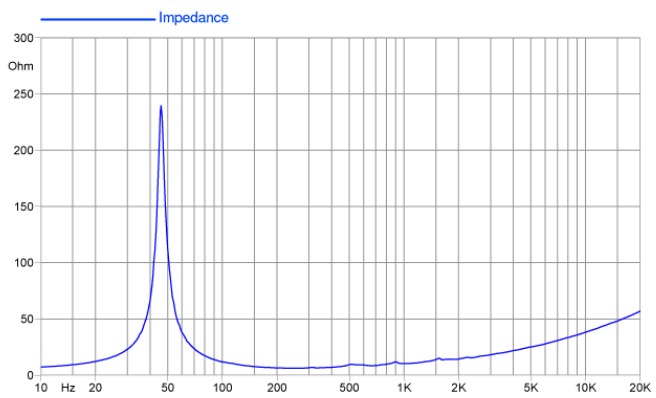
(3) Treated Polycotton

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

(5) Maximum excursion before permanent damage







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