PROFESSIONAL LOUDSPEAKERS

12RS430

12" - 400 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	157 mm (6.18 in)
Flange and Gasket Thickness	19.5 mm (0.77 in)
Net Weight	**7.0 kg (15.4 lb)**
Shipping Box (Single Carton Box)	350 x 346 x 216 mm (13.7 x 13.6 x 8.5 in)
Shipping Weight	7.8 kg (17.2 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	03004391

NOTES:

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

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

(3) EPDM (Rubber)

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

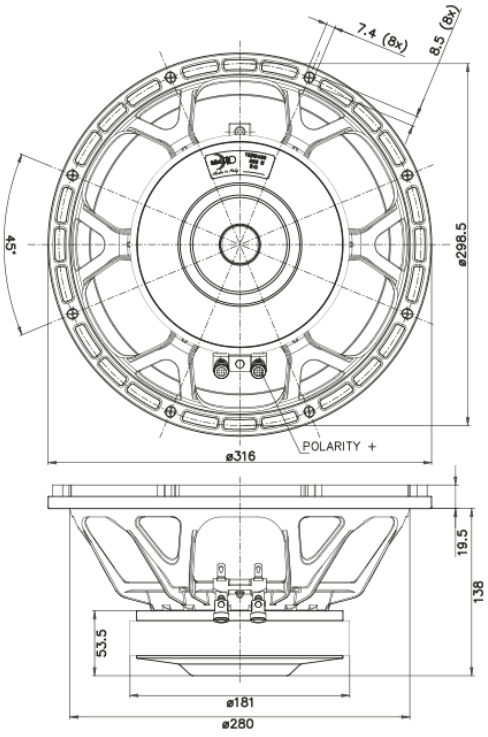
(5) Maximum excursion before permanent damage

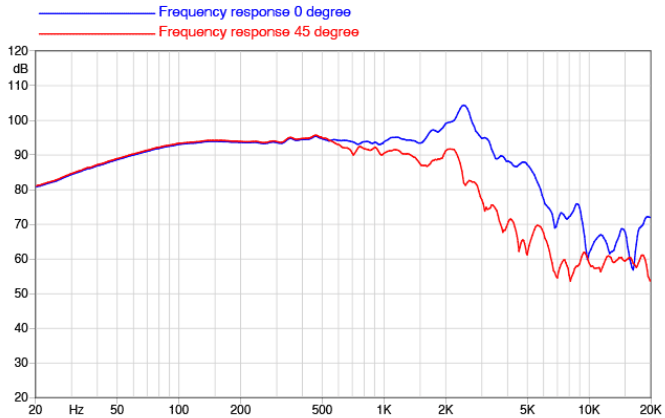
TECHNICAL PARAMETERS

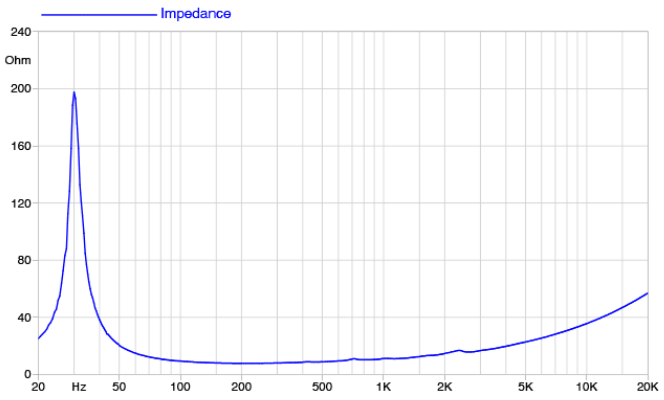
Nominal Impedance	8 Ohm
Minimum Impedance	8 Ohm
AES Power Handling **(1)**	400 W
Maximum Power Handling (2)	**800 W**
Sensitivity (1W/1m)	**93 dB**
Frequency Range	30÷2500 Hz
Voice Coil Diameter	**65 mm (2.56 in)**
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	29.8 mm (1.17 in)
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	1.50 T
Magnet	Ferrite Ring
Basket Material	Aluminum
Demodulation	Aluminum ring
Cone Surround **(3)**	Half Roll
NET Air Volume filled by Loudspeaker	2.85 dm^3 (0.101 ft^3)
Spider Profile	1x constant height waves

THIELE & SMALL PARAMETERS

Fs	30 Hz
Re	6.8 Ohm
Qes	0.36
Qms	10.0
Qts	0.35
Vas	131.2 dm^3 (4.63 ft^3)
Sd	552 cm^2 (85.56 in^2)
Xmax **(4)**	13.57 mm
Xdamage **(5)**	21.5 mm
Mms	91.3 g
Bl	18 N/A
Le	0.78 mH
Mmd	76.6 g
Cms	0.31 mm/N
Rms	1.7 kg/s
Eta Zero	0.95 %
EBP	83 Hz







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