PROFESSIONAL LOUDSPEAKERS

# 12RS1066

12" - 1000 W - 92 dB - 16 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 | 176.5 mm (6.95 in) |
| Flange and Gasket Thickness | 20.2 mm (0.80 in) |
| **Net Weight** | **6.6 kg (14.6 lb)** |
| Shipping Box (Single Carton Box) | 350 x 346 x 216 mm (13.8 x 13.6 x 8.5 in) |
| Shipping Weight | 7.3 kg (16.1 lb) |

## PART NUMBER

| | |
|---|---|
| Push Terminals - 16 Ohm Version | 03004241 |
| Recone Kit - 16 Ohm Version | R3004241 |

## TECHNICAL PARAMETERS

| | |
|---|---|
| Nominal Impedance | 16 Ohm |
| Minimum Impedance | 14.5 Ohm |
| AES Power Handling **(1)** | 1000 W |
| **Maximum Power Handling (2)** | **2000 W** |
| **Sensitivity (1W/1m)** | **92 dB** |
| Frequency Range | 45÷2500 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 | 1.22 T |
| Magnet | Neodymium Ring |
| Basket Material | Aluminum |
| Demodulation | Aluminum Ring |
| Cone Surround **(3)** | Half Roll |
| NET Air Volume filled by Loudspeaker | 2.9 dm^3 (0.102 ft^3) |
| Spider Profile | 2x non-adjacent symmetrical variable height waves |

## THIELE & SMALL PARAMETERS

| | |
|---|---|
| Fs | 45 Hz |
| Re | 12 Ohm |
| Qes | 0.46 |
| Qms | 11.2 |
| Qts | 0.44 |
| Vas | 28.4 dm^3 (1.00 ft^3) |
| Sd | 496 cm^2 (76.88 in^2) |
| Xmax **(4)** | 12.45 mm |
| Xdamage **(5)** | 20.5 mm |
| Mms | 151.5 g |
| Bl | 33.5 N/A |
| Le | 2.5 mH |
| Mmd | 139.0 g |
| Cms | 0.08 mm/N |
| Rms | 3.8 kg/s |
| Eta Zero | 0.55 % |
| EBP | 98 Hz |

**NOTES:**

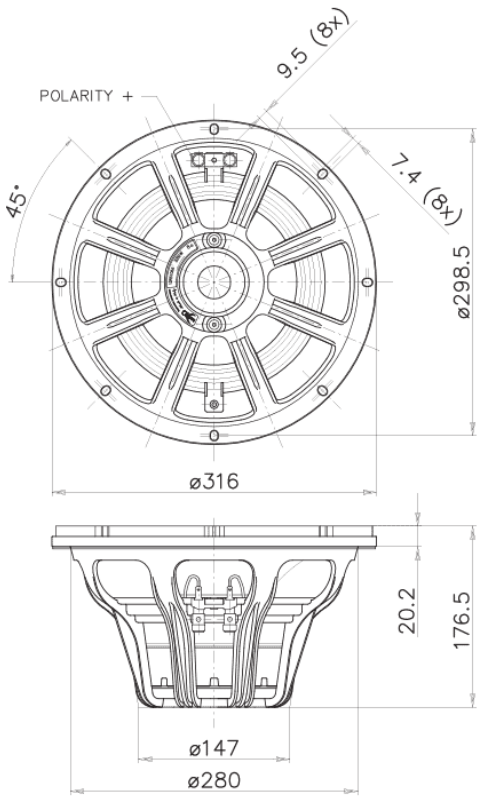
**(1)** 2 Hours Test According to AES 2-1984 Rev. 2003

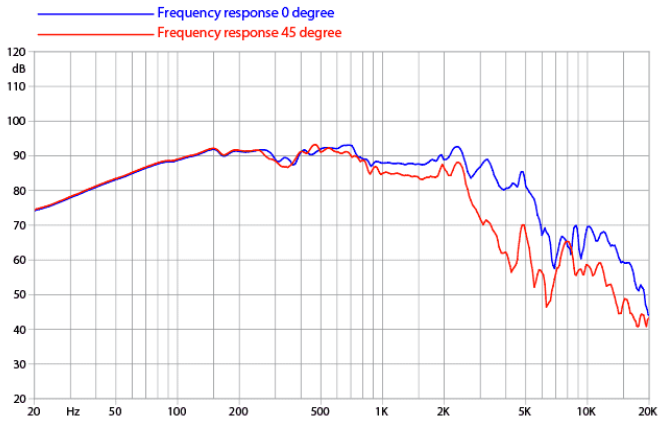
**(2)** Maximum power is defined as 3dB greater than nominal power.

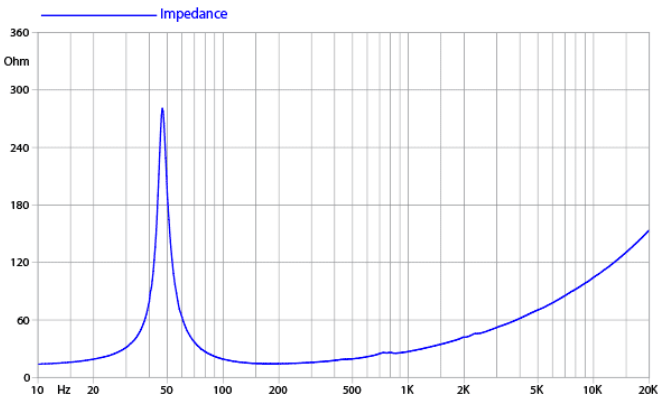
**(3)** NBR (Rubber)

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

**(5)** Maximum excursion before permanent damage





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