PROFESSIONAL LOUDSPEAKERS

# 21XL3000

21" - 3000 W - 98 dB - 8 Ohm



## NOMINAL SPECIFICATIONS

| | |
|---|---|
| Nominal Diameter | 535 mm (21 in) |
| Overall Diameter | 547 mm (21.54 in) |
| Bolt Circle Diameter | 527 mm (20.75 in) |
| Baffle Cutout Diameter | 508 mm (20.00 in) |
| Depth | 279.5 mm (11.00 in) |
| Flange and Gasket Thickness | 16 mm (0.63 in) |
| **Net Weight** | **21.5 kg (47.4 lb)** |
| Shipping Box (Single Carton Box) | 580 x 580 x 323 mm (22.8 x 22.8 x 12.7 in) |
| Shipping Weight | 23.5 kg (51.8 lb) |

## PART NUMBER

| | |
|---|---|
| Push Terminals - 8 Ohm Version | 05404427 |

## TECHNICAL PARAMETERS

| | |
|---|---|
| Nominal Impedance | 8 Ohm |
| Minimum Impedance | 7 Ohm |
| AES Power Handling **(1)** | 3000 W |
| **Maximum Power Handling (2)** | **6000 W** |
| **Sensitivity (1W/1m)** | **98 dB** |
| Frequency Range | 30÷1500 Hz |
| **Voice Coil Diameter** | **165 mm (6.5 in)** |
| Winding Material | Al |
| Former Material | Glass Fiber |
| Winding Depth | 40 mm (1.57 in) |
| **Magnetic Gap Depth** | **14 mm (0.55 in)** |
| Flux Density | 1.4 T |
| Magnet | Neodymium Ring |
| Basket Material | Aluminum |
| Demodulation | Aluminum Ring |
| Cone Surround **(3)** | Triple Roll |
| NET Air Volume filled by Loudspeaker | 13.0 dm^3 (0.459 ft^3) |
| Spider Profile | 2x non-adjacent constant height waves |

## THIELE & SMALL PARAMETERS

| | |
|---|---|
| Fs | 30 Hz |
| Re | 5.9 Ohm |
| Qes | 0.25 |
| Qms | 8.8 |
| Qts | 0.25 |
| Vas | 284.6 dm^3 (10.05 ft^3) |
| Sd | 1744 cm^2 (270.32 in^2) |
| Xmax **(4)** | 17.67 mm |
| Xdamage **(5)** | 40 mm |
| Mms | 420.0 g |
| Bl | 43.0 N/A |
| Le | 1.25 mH |
| Mmd | 337.7 g |
| Cms | 0.07 mm/N |
| Rms | 9.0 kg/s |
| Eta Zero | 3.0 % |
| EBP | 119 Hz |

**NOTES:**

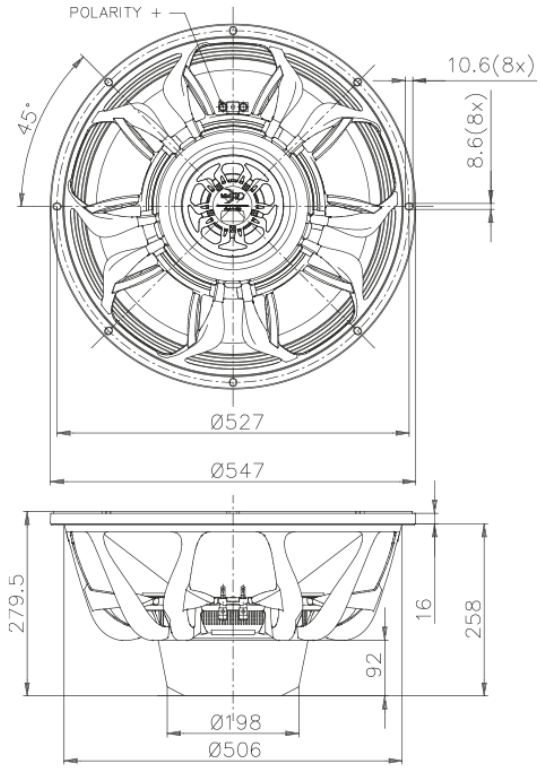
**(1)** 2 Hours Test According to AES 2-1984 Rev. 2003

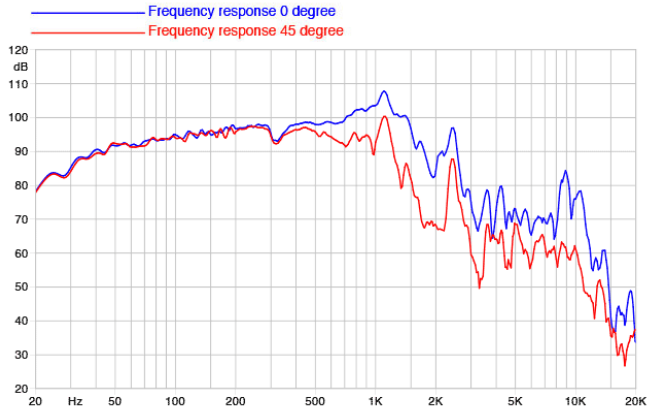
**(2)** Maximum power is defined as 3dB greater than nominal power.

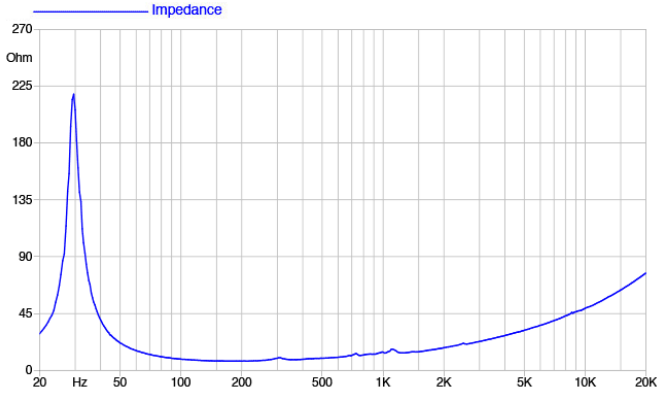
**(3)** Treated Polycotton

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

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





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