

NEODYMIUM

W8N8-200

8" - 200 W - 92 dB

NOMINAL SPECIFICATIONS

| | |
|-----------------------------|--------------------------------|
| Nominal Diameter | 200 mm (8 in) |
| Overall Diameter | 223.75/207.9 mm (8.81/8.18 in) |
| Bolt Circle Diameter | 210 mm (8.27 in) |
| Baffle Cutout Diameter | 183 mm (7.2 in) |
| Depth | 116.7 mm (4.59 in) |
| Flange and gasket Thickness | 10.7 mm (0.42 in) |
| Net Weight | 1.8 kg (3.96 lb) |
| Shipping Box | 235 x 235 x 155 mm |
| (Single Carton Box) | (9.25 x 9.25 x 6.1 in) |
| Shipping Weight | 2.6 kg (5.73 lb) |

TECHNICAL PARAMETERS

| | |
|--------------------------------------|--|
| Nominal Impedance | 8 Ω |
| Minimum Impedance | 5.9 Ω |
| AES Power Handling (1) | 200 W |
| Maximum Power Handling (4) | 400 W |
| Sensitivity (1W/1m) | 92 dB |
| Frequency Range | 80 ÷ 5000 Hz |
| Voice Coil Diameter | 52 mm (2 in) |
| Winding Material | Al |
| Former Material | Glass Fiber |
| Winding Depth | 19.3 mm (0.76 in) |
| Magnetic Gap Depth | 7 mm (0.27 in) |
| Flux Density | 1.05 T |
| Magnet | Neodymium Ring |
| Basket Material | Aluminum |
| Demodulation | No |
| Cone Surround (5) | Triple Roll |
| NET Air Volume filled by Loudspeaker | 1 dm ³ (0.035 ft ³) |
| Spider Profile | 1x variable height waves |

THIELE & SMALL PARAMETERS

| | |
|---------------------------|--|
| Fs | 74 Hz |
| Re | 5.1 Ω |
| Qes | 0.69 |
| Qms | 5.30 |
| Qts | 0.61 |
| Vas | 9 dm ³ (0.32 ft ³) |
| Sd | 177 cm ² (27.44 in ²) |
| Xmax (2) | 8.48 mm |
| Xdamage (3) | 12.9 mm |
| Mms | 23 g |
| Bl | 8.9 N/A |
| Le | 0.6 mH |
| Mmd | 21.6 g |
| Cms | 0.2 mm/N |
| Rms | 2 kg/s |
| η _o (Eta Zero) | 0.5 % |
| EBP | 107 Hz |

NOTE:

- 2 Hours Test According to AES 2-1984 Rev. 2003
- $X_{max} = [(Winding\ Depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth / 3)$
- Maximum excursion before permanent damage
- Maximum power is defined as 3dB greater than nominal power
- Treated Polycotton

