

# W8N8-200



8" - 200 W - 92dB - 8 Ohm

## 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 (7.20 in)
Depth	116.7 mm (4.59 in)
Flange and Gasket Thickness	10.7 mm (0.42 in)
<b>Net Weight</b>	<b>1.8 kg (4.0 lb)</b>
Shipping Box (Single Carton Box)	235 x 235 x 155 mm (9.3 x 9.3 x 6.1 in)
Shipping Weight	2.6 kg (5.7 lb)

## 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)  $X_{max} = [(winding\ depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth/3)$
- (5) Maximum excursion before permanent damage

## TECHNICAL PARAMETERS

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

## THIELE & SMALL PARAMETERS

Fs	74 Hz
Re	5.1 Ohm
Qes	0.69
Qms	5.3
Qts	0.61
Vas	9 dm <sup>3</sup> (0.32 ft <sup>3</sup> )
Sd	177 cm <sup>2</sup> (27.44 in <sup>2</sup> )
Xmax (4)	8.48 mm
Xdamage (5)	12.9 mm
Mms	23.0 g
Bl	8.9 N/A
Le	0.6 mH
Mmd	21.6 g
Cms	0.20 mm/N
Rms	2 kg/s
Eta Zero	0.50 %
EBP	107 Hz

