



# W8N8-150

8" - 150 W - 94 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)
<b>Net Weight</b>	<b>1.7 kg (3.74 lb)</b>
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	6.5 Ω
AES Power Handling (1)	150 W
<b>Maximum Power Handling (4)</b>	<b>300 W</b>
<b>Sensitivity (1W/1m)</b>	<b>94 dB</b>
Frequency Range	80 ÷ 6300 Hz
<b>Voice Coil Diameter</b>	<b>52 mm (2 in)</b>
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	13.7 mm (0.54 in)
<b>Magnetic Gap Depth</b>	<b>8 mm (0.31 in)</b>
Flux Density	1 T
<b>Magnet</b>	<b>Neodymium Slug</b>
Basket Material	Aluminum
Demodulation	No
Cone Surround (5)	M-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	76 Hz
Re	5.8 Ω
Qes	0.59
Qms	4.72
Qts	0.53
Vas	12.6 dm <sup>3</sup> (0.44 ft <sup>3</sup> )
Sd	206 cm <sup>2</sup> (31.9 in <sup>2</sup> )
Xmax (2)	5.52 mm
Xdamage (3)	12 mm
Mms	20.9 g
Bl	9.9 N/A
Le	0.55 mH
Mmd	19.4 g
Cms	0.2 mm/N
Rms	2.11 kg/s
η <sub>o</sub> (Eta Zero)	0.91 %
EBP	129 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

