

# W8N8-150



8" - 150 W - 94 dB - 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>1.7 kg (3.7 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)

## PART NUMBER

Push Terminals - 8 Ohm Version	02003843
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## 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	6.5 Ohm
AES Power Handling (1)	150 W
<b>Maximum Power Handling (2)</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
Magnet	Neodymium Slug
Basket Material	Aluminum
Demodulation	No
Cone Surround (3)	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 Ohm
Qes	0.59
Qms	4.7
Qts	0.52
Vas	14.4 dm <sup>3</sup> (0.51 ft <sup>3</sup> )
Sd	222 cm <sup>2</sup> (34.41 in <sup>2</sup> )
Xmax (4)	5.52 mm
Xdamage (5)	12 mm
Mms	20.9 g
Bl	9.9 N/A
Le	0.55 mH
Mmd	17.2 g
Cms	0.21 mm/N
Rms	2.1 kg/s
Eta Zero	1.04 %
EBP	129 Hz

