

# W8N8-150

8" - 150 W - 94 dB - 16 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 - 16 Ohm Version	02004054
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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 Poly cotton
- (4)  $X_{max} = [(winding\ depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth/3)$
- (5) Maximum excursion before permanent damage

## TECHNICAL PARAMETERS

Nominal Impedance	16 Ohm
Minimum Impedance	12.7 Ohm
AES Power Handling (1)	150 W
<b>Maximum Power Handling (2)</b>	<b>300 W</b>
<b>Sensitivity (1W/1m)</b>	<b>93 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	11.8 Ohm
Qes	0.88
Qms	19.5
Qts	0.85
Vas	11.1 dm <sup>3</sup> (0.39 ft <sup>3</sup> )
Sd	206 cm <sup>2</sup> (31.93 in <sup>2</sup> )
Xmax (4)	5.52 mm
Xdamage (5)	12 mm
Mms	23.8 g
Bl	12.3 N/A
Le	0.9 mH
Mmd	22.8 g
Cms	0.18 mm/N
Rms	0.58 Kg/s
Eta Zero	0.53 %
EBP	86 Hz

