

NEODYMIUM

W6N8-120

6" - 120 W - 95 dB

NOMINAL SPECIFICATIONS

Nominal Diameter	160 mm (6 in)
Overall Diameter	186.5/162 mm (7.34/6.37 in)
Bolt Circle Diameter	172 mm (6.77 in)
Baffle Cutout Diameter	147 mm (5.78 in)
Depth	88.5 mm (3.48 in)
Flange and gasket Thickness	8.8 mm (0.35 in)
Net Weight	1.3 kg (2.86 lb)
Shipping Box	195 x 195 x 141 mm
(Single Carton Box)	(7.68 x 7.68 x 5.55 in)
Shipping Weight	1.5 kg (3.52 lb)

TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	6.6 Ω
AES Power Handling (1)	120 W
Maximum Power Handling (4)	240 W
Sensitivity (1W/1m)	95 dB
Frequency Range	100 ÷ 10000 Hz
Voice Coil Diameter	37 mm (1.46 in)
Winding Material	Al
Former Material	Kapton
Winding Depth	12 mm (0.47 in)
Magnetic Gap Depth	6 mm (0.24 in)
Flux Density	1.4 T
Magnet	Neodymium Ring
Basket Material	Aluminum
Demodulation	No
Cone Surround (5)	Triple Roll
NET Air Volume filled by Loudspeaker	0.6 dm ³ (0.021 ft ³)
Spider Profile	1x constant height waves

THIELE & SMALL PARAMETERS

Fs	100 Hz
Re	5.9 Ω
Qes	0.41
Qms	6.8
Qts	0.38
Vas	3.9 dm ³ (0.14 ft ³)
Sd	113 cm ² (17.5 in ²)
Xmax (2)	5 mm
Xdamage (3)	11.6 mm
Mms	11.7 g
Bl	10.3 N/A
Le	0.35 mH
Mmd	11 g
Cms	0.22 mm/N
Rms	1.08 kg/s
η _o (Eta Zero)	0.93 %
EBP	244 Hz

NOTE:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
- (2) $X_{max} = [(Winding\ Depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth / 3)$
- (3) Maximum excursion before permanent damage
- (4) Maximum power is defined as 3dB greater than nominal power
- (5) Treated Polycotton

