



# 12HP1060

12" - 1000 W - 95 dB

## NOMINAL SPECIFICATIONS

Nominal Diameter	300 mm (12 in)
Overall Diameter	316 mm (12.44 in)
Bolt Circle Diameter	298.5 mm (11.75 in)
Baffle Cutout Diameter	282 mm (11.10 in)
Depth	168.75 mm (6.64 in)
Flange and gasket Thickness	12.45 mm (0.49 in)
<b>Net Weight</b>	<b>6.6 kg (14.6 lb)</b>
Shipping Box	350 x 346 x 216 mm
(Single Carton Box)	(13.8 x 13.6 x 8.5 in)
Shipping Weight	7.3 kg (16.1 lb)

## TECHNICAL PARAMETERS

Nominal Impedance	4 Ω
Minimum Impedance	3.8 Ω
AES Power Handling (1)	1000 W
<b>Maximum Power Handling (4)</b>	<b>2000 W</b>
<b>Sensitivity (1W/1m)</b>	<b>95 dB</b>
Frequency Range	45 ÷ 2500 Hz
<b>Voice Coil Diameter</b>	<b>100 mm (4 in)</b>
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	28.9 mm (1.14 in)
<b>Magnetic Gap Depth</b>	<b>12 mm (0.47 in)</b>
Flux Density	1.22 T
<b>Magnet</b>	<b>Neodymium Ring</b>
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround (5)	Triple Roll
NET Air Volume filled by Loudspeaker	2.9 dm <sup>3</sup> (0.102 ft <sup>3</sup> )
Spider Profile	2x non-adjacent symmetrical variable height waves

## THIELE & SMALL PARAMETERS

Fs	45 Hz
Re	2.9 Ω
Qes	0.26
Qms	12.1
Qts	0.26
Vas	28.15 dm <sup>3</sup> (0.99 ft <sup>3</sup> )
Sd	469 cm <sup>2</sup> (72.70 in <sup>2</sup> )
Xmax (2)	12.45 mm
Xdamage (3)	21 mm
Mms	138.7 g
Bl	20.7 N/A
Le	1.13 mH
Mmd	132.9 g
Cms	0.09 mm/N
Rms	3.24 kg/s
η <sub>o</sub> (Eta Zero)	0.94 %
EBP	173 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

