



12RS1066

12" - 1000 W - 93 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	176.5 mm (6.95 in)
Flange and gasket Thickness	20.2 mm (0.80 in)
Net Weight	6.6 kg (14.6 lb)
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	8 Ω
Minimum Impedance	6.5 Ω
AES Power Handling (1)	1000 W
Maximum Power Handling (4)	2000 W
Sensitivity (1W/1m)	93 dB
Frequency Range	45 ÷ 2500 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	28.9 mm (1.14 in)
Magnetic Gap Depth	12 mm (0.47 in)
Flux Density	1.22 T
Magnet	Neodymium Ring
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround (5)	Half Roll
NET Air Volume filled by Loudspeaker	2.9 dm ³ (0.102 ft ³)
Spider Profile	2x non-adjacent symmetrical variable height waves

THIELE & SMALL PARAMETERS

Fs	42 Hz
Re	5 Ω
Qes	0.34
Qms	13.9
Qts	0.33
Vas	29.5 dm ³ (1.04 ft ³)
Sd	476 cm ² (73.78 in ²)
Xmax (2)	12.45 mm
Xdamage (3)	20.5 mm
Mms	156.5 g
Bl	24.8 N/A
Le	1.35 mH
Mmd	149.7 g
Cms	0.09 mm/N
Rms	2.97 kg/s
η _o (Eta Zero)	0.63 %
EBP	124 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) NBR

