



12PR300

12" - 300 W - 97 dB

NOMINAL SPECIFICATIONS

Nominal Diameter	300 mm (12 in)
Overall Diameter	315.2 mm (12.44 in)
Bolt Circle Diameter	298.5 mm (11.75 in)
Baffle Cutout Diameter	283 mm (11.14 in)
Depth	140.6 mm (5.54 in)
Flange and gasket Thickness	12.1 mm (0.48 in)
Net Weight	2.5 kg (5.5 lb)
Shipping Box	350 x 346 x 216 mm
(Single Carton Box)	(13.8 x 13.6 x 8.5 in)
Shipping Weight	3.3 kg (7.2 lb)

TECHNICAL PARAMETERS

Nominal Impedance	16 Ω
Minimum Impedance	13.2 Ω
AES Power Handling (1)	300 W
Maximum Power Handling (4)	600 W
Sensitivity (1W/1m)	97 dB
Frequency Range	50 ÷ 5000 Hz
Voice Coil Diameter	65 mm (2.56 in)
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	12.5 mm (0.49 in)
Magnetic Gap Depth	8 mm (0.31 in)
Flux Density	1.25 T
Magnet	Neodymium Slug
Basket Material	Aluminum
Demodulation	No
Cone Surround (5)	M-Roll
NET Air Volume filled by Loudspeaker	1.9 dm ³ (0.067 ft ³)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	50 Hz
Re	12.1 Ω
Qes	0.55
Qms	4.81
Qts	0.52
Vas	76.7 dm ³ (2.71 ft ³)
Sd	489 cm ² (75.80 in ²)
Xmax (2)	4.92 mm
Xdamage (3)	14 mm
Mms	44.8 g
Bl	17.5 N/A
Le	0.98 mH
Mmd	37.9 g
Cms	0.22 mm/N
Rms	2.92 kg/s
η_o (Eta Zero)	1.67 %
EBP	91 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 Poly cotton

