



# 12PR300

12" - 300 W - 97 dB

## NOMINAL SPECIFICATIONS

Nominal Diameter	300 mm (12 in)
Overall Diameter	315.2 mm (12.4 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)
<b>Net Weight</b>	<b>2.5 kg (5.51 lb)</b>
Shipping Box	350 x 346 x 216 mm
(Single Carton Box)	(13.78 x 13.62 x 8.5 in)
Shipping Weight	3.25 kg (7.17 lb)

## TECHNICAL PARAMETERS

Nominal Impedance	4 Ω
Minimum Impedance	4 Ω
AES Power Handling (1)	300 W
<b>Maximum Power Handling (4)</b>	<b>600 W</b>
<b>Sensitivity (1W/1m)</b>	<b>97 dB</b>
Frequency Range	50 ÷ 5000 Hz
<b>Voice Coil Diameter</b>	<b>65 mm (2.5 in)</b>
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	12.5 mm (0.49 in)
<b>Magnetic Gap Depth</b>	<b>8 mm (0.31 in)</b>
Flux Density	1.25 T
<b>Magnet</b>	<b>Neodymium Slug</b>
Basket Material	Aluminum
Demodulation	No
Cone Surround (5)	M-Roll
NET Air Volume filled by Loudspeaker	1.9 dm <sup>3</sup> (0.067 ft <sup>3</sup> )
Spider Profile	1x variable height waves

## THIELE & SMALL PARAMETERS

Fs	50 Hz
Re	3.3 Ω
Qes	0.4
Qms	19.4
Qts	0.4
Vas	63.1 dm <sup>3</sup> (2.23 ft <sup>3</sup> )
Sd	489 cm <sup>2</sup> (75.8 in <sup>2</sup> )
Xmax (2)	4.92 mm
Xdamage (3)	14 mm
Mms	54.4 g
Bl	11.8 N/A
Le	0.46 mH
Mmd	48.3 g
Cms	0.18 mm/N
Rms	0.88 kg/s
η <sub>o</sub> (Eta Zero)	1.9 %
EBP	125 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

