

# 12PR330

12" - 300 W - 98 dB - 8 Ohm



## 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                            | 135 mm (5.31 in)                          |
| Flange and Gasket Thickness      | 12 mm (0.47 in)                           |
| <b>Net Weight</b>                | <b>4.3 kg (9.5 lb)</b>                    |
| Shipping Box (Single Carton Box) | 350 x 346 x 190 mm (13.8 x 13.6 x 7.5 in) |
| Shipping Weight                  | 5 kg (11.0 lb)                            |

## PART NUMBER

|                                |          |
|--------------------------------|----------|
| Push Terminals - 8 Ohm Version | 03004244 |
| Recone Kit - 8 Ohm Version     | R3004244 |

## NOTES:

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

## TECHNICAL PARAMETERS

|                                      |  |
|--------------------------------------|--|
| Nominal Impedance                    | 8 Ohm  |
| Minimum Impedance                    | 6.6 Ohm                                      |
| AES Power Handling (1)               | 300 W  |
| <b>Maximum Power Handling (2)</b>    | <b>600 W</b>                                 |
| <b>Sensitivity (1W/1m)</b>           | <b>98 dB</b>                                 |
| Frequency Range                      | 50-4000 Hz                                   |
| <b>Voice Coil Diameter</b>           | <b>65 mm (2.56 in)</b>                       |
| Winding Material                     | Al   |
| Former Material                      | Glass Fiber                                  |
| Winding Depth                        | 17.4 mm (0.69 in)                            |
| <b>Magnetic Gap Depth</b>            | <b>8 mm (0.31 in)</b>                        |
| Flux Density                         | 1.2 T  |
| Magnet                               | Ferrite Ring                                 |
| Basket Material                      | Aluminum                                     |
| Demodulation                         | No   |
| Cone Surround (3)                    | 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          | 5.3 Ohm                                      |
| Qes         | 0.42   |
| Qms         | 10.9   |
| Qts         | 0.40   |
| Vas         | 79.1 dm <sup>3</sup> (2.79 ft <sup>3</sup> ) |
| Sd          | 533 cm <sup>2</sup> (82.62 in <sup>2</sup> ) |
| Xmax (4)    | 7.37 mm                                      |
| Xdamage (5) | 15.25 mm                                     |
| Mms         | 50.8 g                                       |
| Bl          | 14.2 N/A                                     |
| Le          | 0.76 mH                                      |
| Mmd         | 36.9 g                                       |
| Cms         | 0.20 mm/N                                    |
| Rms         | 1.5 kg/s                                     |
| Eta Zero    | 2.29 %                                       |
| EBP         | 119 Hz                                       |

