

# 10PR330

10" - 300W - 95 dB - 16 Ohm



## NOMINAL SPECIFICATIONS

|                                  |   |
|----------------------------------|---|
| Nominal Diameter                 | 250 mm (10 in)                            |
| Overall Diameter                 | 261 mm (10.28 in)                         |
| Bolt Circle Diameter             | 246 mm (9.69 in)                          |
| Baffle Cutout Diameter           | 230 mm (9.06 in)                          |
| Depth                            | 111 mm (4.37 in)                          |
| Flange and Gasket Thickness      | 12 mm (0.47 in)                           |
| <b>Net Weight</b>                | <b>4.1 kg (9.0 lb)</b>                    |
| Shipping Box (Single Carton Box) | 282 x 280 x 140 mm (11.1 x 11.0 x 5.5 in) |
| Shipping Weight                  | 4.7 kg (10.4 lb)                          |

## PART NUMBER

|                                 |          |
|---------------------------------|----------|
| Push Terminals - 16 Ohm Version | 02504302 |
| Recone Kit - 16 Ohm Version     | R2504302 |

## 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)  $X_{max} = ((\text{winding depth} - \text{magnetic gap depth})/2) + (\text{magnetic gap depth}/3)$
- (5) Maximum excursion before permanent damage

## TECHNICAL PARAMETERS

|                                      |  |
|--------------------------------------|--|
| Nominal Impedance                    | 16 Ohm                                       |
| Minimum Impedance                    | 13.4 Ohm                                     |
| AES Power Handling (1)               | 300 W  |
| <b>Maximum Power Handling (2)</b>    | <b>600 W</b>                                 |
| <b>Sensitivity (1W/1m)</b>           | <b>95 dB</b>                                 |
| Frequency Range                      | 60-3150 Hz                                   |
| <b>Voice Coil Diameter</b>           | <b>65 mm (2.56 in)</b>                       |
| Winding Material                     | Al   |
| Former Material                      | Glass Fiber                                  |
| Winding Depth                        | 17.2 mm (0.68 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 | 1.3 dm <sup>3</sup> (0.046 ft <sup>3</sup> ) |
| Spider Profile                       | 1x variable height waves                     |

## THIELE & SMALL PARAMETERS

|             |  |
|-------------|--|
| Fs          | 60 Hz  |
| Re          | 11.3 Ohm                                     |
| Qes         | 0.4  |
| Qms         | 3.6  |
| Qts         | 0.36   |
| Vas         | 32.9 dm <sup>3</sup> (1.16 ft <sup>3</sup> ) |
| Sd          | 348 cm <sup>2</sup> (53.89 in <sup>2</sup> ) |
| Xmax (4)    | 7.27 mm                                      |
| Xdamage (5) | 15.25 mm                                     |
| Mms         | 36.1 g                                       |
| Bl          | 19.5 N/A                                     |
| Le          | 1.12 mH                                      |
| Mmd         | 28.8 g                                       |
| Cms         | 0.19 mm/N                                    |
| Rms         | 3.8 kg/s                                     |
| Eta Zero    | 1.70 %                                       |
| EBP         | 150 Hz                                       |

