



# 10PR310

10" - 300 W - 98 dB

## 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                       | 109 mm (4.29 in)       |
| Flange and gasket Thickness | 12 mm (0.47 in)        |
| <b>Net Weight</b>           | <b>4.1 kg (9.0 lb)</b> |
| Shipping Box                | 282 x 280 x 140 mm     |
| (Single Carton Box)         | (11.1 x 11.0 x 5.5 in) |
| Shipping Weight             | 4.7 kg (10.4 lb)       |

## TECHNICAL PARAMETERS

|                                      |  |
|--------------------------------------|--|
| Nominal Impedance                    | 8 Ω  |
| Minimum Impedance                    | 6.6 Ω  |
| AES Power Handling (1)               | 300 W  |
| <b>Maximum Power Handling (4)</b>    | <b>600 W</b>                                 |
| <b>Sensitivity (1W/1m)</b>           | <b>98 dB</b>                                 |
| Frequency Range                      | 60 ÷ 4000 Hz                                 |
| <b>Voice Coil Diameter</b>           | <b>65 mm (2.56 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                         | 1.2 T  |
| Magnet                               | Ferrite Ring                                 |
| Basket Material                      | Aluminum                                     |
| Demodulation                         | No   |
| Cone Surround (5)                    | 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                        | 5.4 Ω  |
| Qes                       | 0.36   |
| Qms                       | 5.7  |
| Qts                       | 0.34   |
| Vas                       | 28 dm <sup>3</sup> (0.99 ft <sup>3</sup> )   |
| Sd                        | 322 cm <sup>2</sup> (49.91 in <sup>2</sup> ) |
| Xmax (2)                  | 4.92 mm                                      |
| Xdamage (3)               | 15.25 mm                                     |
| Mms                       | 36.9 g                                       |
| Bl                        | 14.4 N/A                                     |
| Le                        | 0.64 mH                                      |
| Mmd                       | 33.6 g                                       |
| Cms                       | 0.19 mm/N                                    |
| Rms                       | 2.44 kg/s                                    |
| η <sub>o</sub> (Eta Zero) | 1.63 %                                       |
| EBP                       | 167 Hz                                       |

### NOTE:

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

