

# W12N8-350



12" - 350 W - 98 dB - 8 Ohm

## 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           | 283.5 mm (11.16 in)                       |
| Depth                            | 140.6 mm (5.54 in)                        |
| Flange and Gasket Thickness      | 12.1 mm (0.48 in)                         |
| <b>Net Weight</b>                | <b>2.9 kg (6.38 lb)</b>                   |
| Shipping Box (Single Carton Box) | 350 x 350 x 200 mm (13.8 x 13.8 x 7.9 in) |
| Shipping Weight                  | 3.7 kg (8.14 lb)                          |

## TECHNICAL PARAMETERS

|                                   |                          |
|-----------------------------------|--------------------------|
| Nominal Impedance                 | 8 Ohm                    |
| Minimum Impedance                 | 6 Ohm                    |
| AES Power Handling (1)            | 350 W                    |
| <b>Maximum Power Handling (2)</b> | <b>700 W</b>             |
| <b>Sensitivity (1W/1m)</b>        | <b>98 dB</b>             |
| Frequency Range                   | 50-4000 Hz               |
| <b>Voice Coil Diameter</b>        | <b>77 mm (3 in)</b>      |
| Winding Material                  | Al                       |
| Former Material                   | Glass Fiber              |
| Winding Depth                     | 15 mm (0.59 in)          |
| <b>Magnetic Gap Depth</b>         | <b>10.5 mm (0.41 in)</b> |
| Flux Density                      | 1.15 T                   |

## THIELE & SMALL PARAMETERS

|             |   |
|-------------|---|
| Fs          | 50 Hz   |
| Re          | 5.1 Ohm                                       |
| Qes         | 0.32  |
| Qms         | 6.91  |
| Qts         | 0.30  |
| Vas         | 65 dm <sup>3</sup> (2.29 ft <sup>3</sup> )    |
| Sd          | 486.5 cm <sup>2</sup> (75.4 in <sup>2</sup> ) |
| Xmax (3)    | 5.75 mm                                       |
| Xdamage (4) | 15 mm   |
| Mms         | 52.3 g  |
| Bl          | 16.1 N/A                                      |
| Le          | 0.78 mH                                       |
| Mmd         | 46.3 g  |
| Cms         | 0.21 mm/N                                     |
| Rms         | 2.3 kg/s                                      |
| Eta Zero    | 2.45 %  |

## NOTES:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
- (2) Maximum power is defined as 3dB greater than nominal power.
- (3) Xmax= [(winding depth - magnetic gap depth)/2] + (magnetic gap depth/3)
- (4) Maximum excursion before permanent damage

