



# 15HP1060

15" - 1000 W - 97 dB

## NOMINAL SPECIFICATIONS

|                             |                           |
|-----------------------------|---------------------------|
| Nominal Diameter            | 380 mm (15 in)            |
| Overall Diameter            | 393 mm (15.47 in)         |
| Bolt Circle Diameter        | 374 mm (14.72 in)         |
| Baffle Cutout Diameter      | 354 mm (13.94 in)         |
| Depth                       | 194.3 mm (7.65 in)        |
| Flange and gasket Thickness | 13.7 mm (0.54 in)         |
| <b>Net Weight</b>           | <b>7.1 kg (15.65 lb)</b>  |
| Shipping Box                | 430 x 427 x 236 mm        |
| (Single Carton Box)         | (16.93 x 16.81 x 9.29 in) |
| Shipping Weight             | 8.4 kg (18.52 lb)         |

## TECHNICAL PARAMETERS

|                                      |   |
|--------------------------------------|---|
| Nominal Impedance                    | 8 Ω   |
| Minimum Impedance                    | 6.4 Ω   |
| AES Power Handling (1)               | 1000 W  |
| <b>Maximum Power Handling (4)</b>    | <b>2000 W</b>                                     |
| <b>Sensitivity (1W/1m)</b>           | <b>97 dB</b>                                      |
| Frequency Range                      | 40 ÷ 2000 Hz                                      |
| <b>Voice Coil Diameter</b>           | <b>100 mm (4 in)</b>                              |
| Winding Material                     | Cu  |
| Former Material                      | Glass Fiber                                       |
| Winding Depth                        | 28.9 mm (1.14 in)                                 |
| <b>Magnetic Gap Depth</b>            | <b>12 mm (0.47 in)</b>                            |
| Flux Density                         | 1.22 T  |
| <b>Magnet</b>                        | <b>Neodymium Ring</b>                             |
| Basket Material                      | Aluminum  |
| Demodulation                         | Aluminum Ring                                     |
| Cone Surround (5)                    | Triple Roll                                       |
| NET Air Volume filled by Loudspeaker | 4.1 dm <sup>3</sup> (0.145 ft <sup>3</sup> )      |
| Spider Profile                       | 2x non-adjacent symmetrical variable height waves |

## THIELE & SMALL PARAMETERS

|                           |  |
|---------------------------|--|
| Fs                        | 40 Hz  |
| Re                        | 5 Ω  |
| Qes                       | 0.32   |
| Qms                       | 11.4   |
| Qts                       | 0.31   |
| Vas                       | 87.5 dm <sup>3</sup> (3.09 ft <sup>3</sup> ) |
| Sd                        | 780 cm <sup>2</sup> (120.9 in <sup>2</sup> ) |
| Xmax (2)                  | 12.45 mm                                     |
| Xdamage (3)               | 21 mm  |
| Mms                       | 156.3 g                                      |
| Bl                        | 24.8 N/A                                     |
| Le                        | 1.32 mH                                      |
| Mmd                       | 143.9 g                                      |
| Cms                       | 0.1 mm/N                                     |
| Rms                       | 3.44 kg/s                                    |
| η <sub>o</sub> (Eta Zero) | 1.7 %  |
| EBP                       | 125 Hz                                       |

### NOTE:

- 2 Hours Test According to AES 2-1984 Rev. 2003
- Xmax = [(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 Polycotton

