

# 15HP1010



15" - 700 W - 96 dB - 8 Ohm

## 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                            | 183 mm (7.20 in)                          |
| Flange and Gasket Thickness      | 13.3 mm (0.52 in)                         |
| <b>Net Weight</b>                | <b>9.8 kg (21.5 lb)</b>                   |
| Shipping Box (Single Carton Box) | 430 x 427 x 236 mm (16.9 x 16.8 x 9.3 in) |
| Shipping Weight                  | 10.8 kg (23.8 lb)                         |

## PART NUMBER

|                                |          |
|--------------------------------|----------|
| Push Terminals - 8 Ohm Version | 03804070 |
| Recone Kit - 8 Ohm Version     | R3804070 |

## 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                    | 8 Ohm   |
| Minimum Impedance                    | 6.9 Ohm   |
| AES Power Handling (1)               | 700 W   |
| <b>Maximum Power Handling (2)</b>    | <b>1400 W</b>                                     |
| <b>Sensitivity (1W/1m)</b>           | <b>96 dB</b>                                      |
| Frequency Range                      | 40-2500 Hz  |
| <b>Voice Coil Diameter</b>           | <b>100 mm (4 in)</b>                              |
| Winding Material                     | Cu  |
| Former Material                      | Glass Fiber                                       |
| Winding Depth                        | 23 mm (0.91 in)                                   |
| <b>Magnetic Gap Depth</b>            | <b>10.5 mm (0.41 in)</b>                          |
| Flux Density                         | 1.05 T  |
| Magnet                               | Ferrite Ring                                      |
| Basket Material                      | Aluminum  |
| Demodulation                         | No  |
| Cone Surround (3)                    | Triple Roll                                       |
| NET Air Volume filled by Loudspeaker | 4.7 dm <sup>3</sup> (0.166 ft <sup>3</sup> )      |
| Spider Profile                       | 2x non-adjacent symmetrical constant height waves |

## THIELE & SMALL PARAMETERS

|             |   |
|-------------|---|
| Fs          | 40 Hz   |
| Re          | 5.3 Ohm                                       |
| Qes         | 0.38  |
| Qms         | 10.0  |
| Qts         | 0.37  |
| Vas         | 107.5 dm <sup>3</sup> (3.80 ft <sup>3</sup> ) |
| Sd          | 822 cm <sup>2</sup> (127.41 in <sup>2</sup> ) |
| Xmax (4)    | 9.75 mm                                       |
| Xdamage (5) | 21.9 mm                                       |
| Mms         | 138.9 g                                       |
| Bl          | 22 N/A  |
| Le          | 1.8 mH  |
| Mmd         | 112.3 g                                       |
| Cms         | 0.11 mm/N                                     |
| Rms         | 3.5 kg/s                                      |
| Eta Zero    | 1.75 %  |
| EBP         | 105 Hz  |

