

# 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<br>(Single Carton Box) | 430 x 427 x 236 mm<br>(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)  $X_{max} = [(winding\ depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth/3)$   
 (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                                        |

