

# 15HP1030

15" - 1000 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                            | 188 mm (7.40 in)                          |
| Flange and Gasket Thickness      | 14 mm (0.55 in)                           |
| <b>Net Weight</b>                | <b>11.7 kg (25.8 lb)</b>                  |
| Shipping Box (Single Carton Box) | 430 x 427 x 236 mm (16.9 x 16.8 x 9.3 in) |
| Shipping Weight                  | 12.8 kg (28.2 lb)                         |

## PART NUMBER

Push Terminals - 8 Ohm Version 03804073

## 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                    | 6.7 Ohm   |
| AES Power Handling (1)               | 1000 W  |
| <b>Maximum Power Handling (2)</b>    | <b>2000 W</b>                                     |
| <b>Sensitivity (1W/1m)</b>           | <b>96 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                         | 1.1 T   |
| Magnet                               | Ferrite Ring                                      |
| Basket Material                      | Aluminum  |
| Demodulation                         | Aluminum Ring                                     |
| Cone Surround (3)                    | Triple Roll                                       |
| NET Air Volume filled by Loudspeaker | 5.1 dm <sup>3</sup> (0.180 ft <sup>3</sup> )      |
| Spider Profile                       | 2x non-adjacent symmetrical variable height waves |

## THIELE & SMALL PARAMETERS

|             |   |
|-------------|---|
| Fs          | 40 Hz   |
| Re          | 5 Ohm   |
| Qes         | 0.35  |
| Qms         | 11.8  |
| Qts         | 0.34  |
| Vas         | 95.0 dm <sup>3</sup> (3.35 ft <sup>3</sup> )  |
| Sd          | 842 cm <sup>2</sup> (130.51 in <sup>2</sup> ) |
| Xmax (4)    | 12.45 mm                                      |
| Xdamage (5) | 23.05 mm                                      |
| Mms         | 165.0 g                                       |
| Bl          | 24.3 N/A                                      |
| Le          | 1.4 mH  |
| Mmd         | 137.4 g                                       |
| Cms         | 0.10 mm/N                                     |
| Rms         | 3.5 kg/s                                      |
| Eta Zero    | 1.68 %  |
| EBP         | 114 Hz  |

