

# 15PR400

15" - 400 W - 99 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              | 356 mm (14.02 in)                            |
| Depth                               | 165 mm (6.50 in)                             |
| Flange and Gasket Thickness         | 13.1 mm (0.52 in)                            |
| <b>Net Weight</b>                   | <b>3.6 Kg (7.9 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                     | 4.7 Kg (10.4 lb)                             |

## PART NUMBER

|                                |          |
|--------------------------------|----------|
| Push Terminals - 8 Ohm Version | 03803827 |
|--------------------------------|----------|

## 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                    | 5.9 Ohm                                      |
| AES Power Handling (1)               | 400 W                                        |
| <b>Maximum Power Handling (2)</b>    | <b>800 W</b>                                 |
| <b>Sensitivity (1W/1m)</b>           | <b>99 dB</b>                                 |
| Frequency Range                      | 35-4000 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                                       |
| Magnet                               | Neodymium Slug                               |
| Basket Material                      | Aluminum                                     |
| Demodulation                         | No                                           |
| Cone Surround (3)                    | Accordion (4 waves)                          |
| NET Air Volume filled by Loudspeaker | 3.7 dm <sup>3</sup> (0.131 ft <sup>3</sup> ) |
| Spider Profile                       | 1x constant height waves                     |

## THIELE & SMALL PARAMETERS

|             |                                               |
|-------------|-----------------------------------------------|
| Fs          | 35 Hz                                         |
| Re          | 5.1 Ohm                                       |
| Qes         | 0.34                                          |
| Qms         | 6.0                                           |
| Qts         | 0.32                                          |
| Vas         | 248.9 dm <sup>3</sup> (8.79 ft <sup>3</sup> ) |
| Sd          | 857 cm <sup>2</sup> (132.84 in <sup>2</sup> ) |
| Xmax (4)    | 5.75 mm                                       |
| Xdamage (5) | 15.5 mm                                       |
| Mms         | 85.2 g                                        |
| Bl          | 16.7 N/A                                      |
| Le          | 0.72 mH                                       |
| Mmd         | 56.8 g                                        |
| Cms         | 0.24 mm/N                                     |
| Rms         | 3.1 Kg/s                                      |
| Eta Zero    | 3.02 %                                        |
| EBP         | 103 Hz                                        |

