

# 15FH520

15" - 600 W - 97 dB - 4 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                               | 181.3 mm (7.14 in)                           |
| Flange and Gasket Thickness         | 13.7 mm (0.54 in)                            |
| <b>Net Weight</b>                   | <b>4.6 kg (10.1 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                     | 5.7 kg (12.6 lb)                             |

### PART NUMBER

|                                |          |
|--------------------------------|----------|
| Push Terminals - 4 Ohm Version | 03804183 |
|--------------------------------|----------|

### 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                    | 4 Ohm                                        |
| Minimum Impedance                    | 3.2 Ohm                                      |
| AES Power Handling (1)               | 600 W                                        |
| <b>Maximum Power Handling (2)</b>    | <b>1200 W</b>                                |
| <b>Sensitivity (1W/1m)</b>           | <b>97 dB</b>                                 |
| Frequency Range                      | 40÷3150 Hz                                   |
| <b>Voice Coil Diameter</b>           | <b>77 mm (3 in)</b>                          |
| Winding Material                     | Al                                           |
| Former Material                      | Glass Fiber                                  |
| Winding Depth                        | 22.3 mm (0.88 in)                            |
| <b>Magnetic Gap Depth</b>            | <b>12 mm (0.47 in)</b>                       |
| Flux Density                         | 1.1 T                                        |
| Magnet                               | Neodymium Slug                               |
| Basket Material                      | Aluminum                                     |
| Demodulation                         | Aluminum Ring                                |
| Cone Surround (3)                    | Triple Roll                                  |
| NET Air Volume filled by Loudspeaker | 3.4 dm <sup>3</sup> (0.120 ft <sup>3</sup> ) |
| Spider Profile                       | 1x variable height waves                     |

### THIELE & SMALL PARAMETERS

|             |                                               |
|-------------|-----------------------------------------------|
| Fs          | 38 Hz                                         |
| Re          | 2.7 Ohm                                       |
| Qes         | 0.35                                          |
| Qms         | 9                                             |
| Qts         | 0.34                                          |
| Vas         | 153.2 dm <sup>3</sup> (5.41 ft <sup>3</sup> ) |
| Sd          | 847 cm <sup>2</sup> (131.29 in <sup>2</sup> ) |
| Xmax (4)    | 9.15 mm                                       |
| Xdamage (5) | 15.6 mm                                       |
| Mms         | 114.7 g                                       |
| Bl          | 14.3 N/A                                      |
| Le          | 0.68 mH                                       |
| Mmd         | 86.8 g                                        |
| Cms         | 0.15 mm/N                                     |
| Rms         | 3.0 kg/s                                      |
| Eta Zero    | 2.25 %                                        |
| EBP         | 109 Hz                                        |

