

# 18FH510

18" - 600 W - 98 dB - 8 Ohm



## NOMINAL SPECIFICATIONS

|                                  |  |
|----------------------------------|--|
| Nominal Diameter                 | 460 mm (18 in)                             |
| Overall Diameter                 | 460 mm (18.11 in)                          |
| Bolt Circle Diameter             | 440 mm (17.32 in)                          |
| Baffle Cutout Diameter           | 421 mm (16.57 in)                          |
| Depth                            | 201.5 mm (7.93 in)                         |
| Flange and Gasket Thickness      | 13.7 mm (0.54 in)                          |
| <b>Net Weight</b>                | <b>8.8 kg (19.3 lb)</b>                    |
| Shipping Box (Single Carton Box) | 503 x 500 x 258 mm (19.8 x 19.7 x 10.2 in) |
| Shipping Weight                  | 10.3 kg (22.7 lb)                          |

## PART NUMBER

|                                |          |
|--------------------------------|----------|
| Push Terminals - 8 Ohm Version | 04604080 |
|--------------------------------|----------|

## 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                    | 6.5 Ohm                                      |
| AES Power Handling (1)               | 600 W  |
| <b>Maximum Power Handling (2)</b>    | <b>1200 W</b>                                |
| <b>Sensitivity (1W/1m)</b>           | <b>98 dB</b>                                 |
| Frequency Range                      | 30÷2500 Hz                                   |
| <b>Voice Coil Diameter</b>           | <b>77 mm (3 in)</b>                          |
| Winding Material                     | Cu   |
| Former Material                      | Glass Fiber                                  |
| Winding Depth                        | 22 mm (0.87 in)                              |
| <b>Magnetic Gap Depth</b>            | <b>10.5 mm (0.41 in)</b>                     |
| Flux Density                         | 1.2 T  |
| Magnet                               | Ferrite Ring                                 |
| Basket Material                      | Aluminum                                     |
| Demodulation                         | No   |
| Cone Surround (3)                    | Triple Roll                                  |
| NET Air Volume filled by Loudspeaker | 6.1 dm <sup>3</sup> (0.215 ft <sup>3</sup> ) |
| Spider Profile                       | 1x variable height waves                     |

## THIELE & SMALL PARAMETERS

|             |  |
|-------------|--|
| Fs          | 30 Hz  |
| Re          | 5.1 Ohm  |
| Qes         | 0.30   |
| Qms         | 13.6   |
| Qts         | 0.29   |
| Vas         | 411.9 dm <sup>3</sup> (14.55 ft <sup>3</sup> ) |
| Sd          | 1207 cm <sup>2</sup> (187.09 in <sup>2</sup> ) |
| Xmax (4)    | 9.25 mm  |
| Xdamage (5) | 21 mm  |
| Mms         | 139.0 g  |
| Bl          | 21 N/A   |
| Le          | 1.06 mH  |
| Mmd         | 91.6 g   |
| Cms         | 0.20 mm/N                                      |
| Rms         | 1.9 kg/s                                       |
| Eta Zero    | 3.56 %   |
| EBP         | 100 Hz   |

