

# 15FH530



15" - 500 W - 97 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                            | 180 mm (7.09 in)                          |
| Flange and Gasket Thickness      | 13.1 mm (0.52 in)                         |
| <b>Net Weight</b>                | <b>8.5 Kg (18.7 lb)</b>                   |
| Shipping Box (Single Carton Box) | 430 x 427 x 236 mm (16.9 x 16.8 x 9.3 in) |
| Shipping Weight                  | 9.6 Kg (21.2 lb)                          |

## PART NUMBER

|                                |          |
|--------------------------------|----------|
| Push Terminals - 8 Ohm Version | 03804180 |
|--------------------------------|----------|

## 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)               | 500 W  |
| <b>Maximum Power Handling (2)</b>    | <b>1000 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                     | 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                         | Aluminum Ring                                |
| Cone Surround (3)                    | Triple Roll                                  |
| NET Air Volume filled by Loudspeaker | 4.1 dm <sup>3</sup> (0.145 ft <sup>3</sup> ) |
| Spider Profile                       | 1x variable height waves                     |

## THIELE & SMALL PARAMETERS

|             |   |
|-------------|---|
| Fs          | 39 Hz   |
| Re          | 5.1 Ohm                                       |
| Qes         | 0.36  |
| Qms         | 8.9   |
| Qts         | 0.35  |
| Vas         | 126.4 dm <sup>3</sup> (4.46 ft <sup>3</sup> ) |
| Sd          | 813 cm <sup>2</sup> (126.02 in <sup>2</sup> ) |
| Xmax (4)    | 9.25 mm                                       |
| Xdamage (5) | 16 mm   |
| Mms         | 123.5 g                                       |
| Bl          | 20.7 N/A                                      |
| Le          | 1.1 mH  |
| Mmd         | 110.7 g                                       |
| Cms         | 0.13 mm/N                                     |
| Rms         | 3.4 Kg/s                                      |
| Eta Zero    | 2.02 %  |
| EBP         | 108 Hz  |

