

# 4FE30



4" - 30 W - 91 dB - 8 Ohm

## NOMINAL SPECIFICATIONS

|   |   |
|---|---|
| Nominal Diameter                              | 100 mm (4 in)                                   |
| Overall Diameter                              | 100.7 mm (3.96 in)                              |
| Bolt Circle Diameter                          | 81.5 mm (3.2 in)                                |
| Baffle Cutout Diameter                        | 93.5 mm (3.68 in)                               |
| Depth   | 50 mm (2 in)                                    |
| Flange and Gasket Thickness                   | 1.5 mm (0.3 in)                                 |
| <b>Net Weight</b>                             | <b>260 g (0.6 lb)</b>                           |
| Shipping Box<br>(Single Carton Box - 8 units) | 302 x 275 x 186 mm<br>(11.89 x 10.82 x 7.32 in) |
| Shipping Weight (8 units)                     | 3.1 kg (6.83 lb)                                |

## NOTES:

Packaged and sold in multiples of 8 units

(1) 2 Hours Test According to AES 2-1984 Rev. 2003

(2) Maximum power is defined as 3dB greater than nominal power.

(3) NBR (Rubber)

(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                    | 7 Ohm  |
| AES Power Handling (1)               | 30 W   |
| <b>Maximum Power Handling (2)</b>    | <b>60 W</b>                                    |
| <b>Sensitivity (1W/1m)</b>           | <b>91 dB</b>                                   |
| Frequency Range                      | 90-20000 Hz                                    |
| <b>Voice Coil Diameter</b>           | <b>19 mm (0.75 in)</b>                         |
| Winding Material                     | Al   |
| Former Material                      | Kapton   |
| Winding Depth                        | 6.8 mm (0.27 in)                               |
| <b>Magnetic Gap Depth</b>            | <b>4 mm (0.16 in)</b>                          |
| Flux Density                         | 1.4 T  |
| Magnet                               | Neodymium Ring                                 |
| Basket Material                      | Steel  |
| Demodulation                         | No   |
| Cone Surround (3)                    | Half Roll                                      |
| NET Air Volume filled by Loudspeaker | 0.075 dm <sup>3</sup> (0.003 ft <sup>3</sup> ) |
| Spider Profile                       | 1x constant height waves                       |

## THIELE & SMALL PARAMETERS

|             |  |
|-------------|--|
| Fs          | 100 Hz                                     |
| Re          | 6.5 Ohm                                    |
| Qes         | 0.70                                       |
| Qms         | 4.9  |
| Qts         | 0.60                                       |
| Vas         | 2 dm <sup>3</sup> (0.07 ft <sup>3</sup> )  |
| Sd          | 48 cm <sup>2</sup> (7.44 in <sup>2</sup> ) |
| Xmax (4)    | 2.73 mm                                    |
| Xdamage (5) | 6.8 mm                                     |
| Mms         | 4.2 g                                      |
| Bl          | 4.8 N/A                                    |
| Le          | 0.18 mH                                    |
| Mmd         | 3.9 g                                      |
| Cms         | 0.60 mm/N                                  |
| Rms         | 0.5 kg/s                                   |
| Eta Zero    | 0.25 %                                     |
| EBP         | 143 Hz                                     |

