

# 12FE400



12" - 200 W - 97 dB - 8 Ohm

## NOMINAL SPECIFICATIONS

|                                  |  |
|----------------------------------|--|
| Nominal Diameter                 | 300 mm (12 in)                             |
| Overall Diameter                 | 311 mm (12.24 in)                          |
| Bolt Circle Diameter             | 294.5 mm (11.59 in)                        |
| Baffle Cutout Diameter           | 284 mm (11.18 in)                          |
| Depth                            | 131 mm (5.16 in)                           |
| Flange and Gasket Thickness      | 7.5 mm (0.30 in)                           |
| <b>Net Weight</b>                | <b>3.1 kg (6.8 lb)</b>                     |
| Shipping Box (Single Carton Box) | 350 x 346 x 190 mm (13.7 x 13.6 x 7.48 in) |
| Shipping Weight                  | 3.9 kg (8.6 lb)                            |

## PART NUMBER

|                                  |          |
|----------------------------------|----------|
| Faston Terminals - 8 Ohm Version | 03004388 |
|----------------------------------|----------|

## 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 Ohm  |
| AES Power Handling (1)               | 200 W  |
| <b>Maximum Power Handling (2)</b>    | <b>400 W</b>                                 |
| <b>Sensitivity (1W/1m)</b>           | <b>97 dB</b>                                 |
| Frequency Range                      | 55-4000 Hz                                   |
| <b>Voice Coil Diameter</b>           | <b>44 mm (1.73 in)</b>                       |
| Winding Material                     | Cu   |
| Former Material                      | Al   |
| Winding Depth                        | 13.5 mm (0.53 in)                            |
| <b>Magnetic Gap Depth</b>            | <b>8 mm (0.31 in)</b>                        |
| Flux Density                         | 1.10 T                                       |
| Magnet                               | Ferrite Ring                                 |
| Basket Material                      | Steel  |
| Demodulation                         | No   |
| Cone Surround (3)                    | Triple Roll                                  |
| NET Air Volume filled by Loudspeaker | 1.9 dm <sup>3</sup> (0.067 ft <sup>3</sup> ) |
| Spider Profile                       | 1x constant height waves                     |

## THIELE & SMALL PARAMETERS

|             |  |
|-------------|--|
| Fs          | 55 Hz  |
| Re          | 5 Ohm  |
| Qes         | 0.63   |
| Qms         | 6.6  |
| Qts         | 0.57   |
| Vas         | 73.6 dm <sup>3</sup> (2.60 ft <sup>3</sup> ) |
| Sd          | 549 cm <sup>2</sup> (85.10 in <sup>2</sup> ) |
| Xmax (4)    | 5.42 mm                                      |
| Xdamage (5) | 14.9 mm                                      |
| Mms         | 47.9 g                                       |
| Bl          | 11.5 N/A                                     |
| Le          | 0.75 mH                                      |
| Mmd         | 33.4 g                                       |
| Cms         | 0.17 mm/N                                    |
| Rms         | 2.5 kg/s                                     |
| Eta Zero    | 1.90 %                                       |
| EBP         | 88 Hz  |

