



# 6FE200

6" - 130 W - 95 dB

## NOMINAL SPECIFICATIONS

|                             |                      |
|-----------------------------|----------------------|
| Nominal Diameter            | 160 mm (6 in)        |
| Overall Diameter            | 167.4 mm (6.59 in)   |
| Bolt Circle Diameter        | 154 mm (6.06 in)     |
| Baffle Cutout Diameter      | 144 mm (5.67 in)     |
| Depth                       | 77 mm (3.03 in)      |
| Flange and gasket Thickness | 8 mm (0.31 in)       |
| <b>Net Weight</b>           | <b>2 kg (4.4 lb)</b> |
| Shipping Box                | 190 x 185 x 103 mm   |
| (Single Carton Box)         | (7.5 x 7.3 x 4.1 in) |
| Shipping Weight             | 2.2 kg (4.9 lb)      |

## TECHNICAL PARAMETERS

|                                      |   |
|--------------------------------------|---|
| Nominal Impedance                    | 8 Ω   |
| Minimum Impedance                    | 6.8 Ω   |
| AES Power Handling (1)               | 130 W   |
| <b>Maximum Power Handling (4)</b>    | <b>260 W</b>                                  |
| <b>Sensitivity (1W/1m)</b>           | <b>95 dB</b>                                  |
| Frequency Range                      | 85 ÷ 6000 Hz                                  |
| <b>Voice Coil Diameter</b>           | <b>37 mm (1.46 in)</b>                        |
| Winding Material                     | Al  |
| Former Material                      | Kapton  |
| Winding Depth                        | 12 mm (0.47 in)                               |
| <b>Magnetic Gap Depth</b>            | <b>8 mm (0.31 in)</b>                         |
| Flux Density                         | 1 T   |
| Magnet                               | Ferrite Ring                                  |
| Basket Material                      | Steel   |
| Demodulation                         | No  |
| Cone Surround (5)                    | M-Roll  |
| NET Air Volume filled by Loudspeaker | 0.45 dm <sup>3</sup> (0.016 ft <sup>3</sup> ) |
| Spider Profile                       | 1x constant height waves                      |

## THIELE & SMALL PARAMETERS

|                           |  |
|---------------------------|--|
| Fs                        | 120 Hz                                       |
| Re                        | 5.9 Ω  |
| Qes                       | 0.75   |
| Qms                       | 6.2  |
| Qts                       | 0.67   |
| Vas                       | 3.0 dm <sup>3</sup> (0.11 ft <sup>3</sup> )  |
| Sd                        | 118 cm <sup>2</sup> (18.29 in <sup>2</sup> ) |
| Xmax (2)                  | 4.67 mm                                      |
| Xdamage (3)               | 10.4 mm                                      |
| Mms                       | 11.5 g                                       |
| Bl                        | 8.2 N/A                                      |
| Le                        | 0.4 mH                                       |
| Mmd                       | 11.1 g                                       |
| Cms                       | 0.15 mm/N                                    |
| Rms                       | 1.4 kg/s                                     |
| η <sub>o</sub> (Eta Zero) | 0.67 %                                       |
| EBP                       | 160 Hz                                       |

### NOTE:

- 2 Hours Test According to AES 2-1984 Rev. 2003
- Xmax = [(Winding Depth - magnetic gap depth)/2] + (magnetic gap depth / 3)
- Maximum excursion before permanent damage
- Maximum power is defined as 3dB greater than nominal power
- Treated Polycotton

