faital PRO PROFESSIONAL LOUDSPEAKERS

# 8FE400

8" - 200 W - 96 dB - 8 Ohm



## NOMINAL SPECIFICATIONS

| | |
|---|---|
| Nominal Diameter | 200 mm (8 in) |
| Overall Diameter | 209 mm (8.23 in) |
| Bolt Circle Diameter | 197 mm (7.76 in) |
| Baffle Cutout Diameter | 183 mm (7.20 in) |
| Depth | 96 mm (3.78 in) |
| Flange and Gasket Thickness | 7 mm (0.28 in) |
| **Net Weight** | **2.78 kg (6.1 lb)** |
| Shipping Box (Single Carton Box) | 227 x 224 x 113 mm (8.93 x 8.81 x 4.44 in) |
| Shipping Weight | 2.95 kg (6.5 lb) |

## PART NUMBER

| | |
|---|---|
| Faston Terminals - 8 Ohm Version | 02004386 |

**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)** Xmax= [(winding depth - magnetic gap depth)/2] + (magnetic gap depth/3)

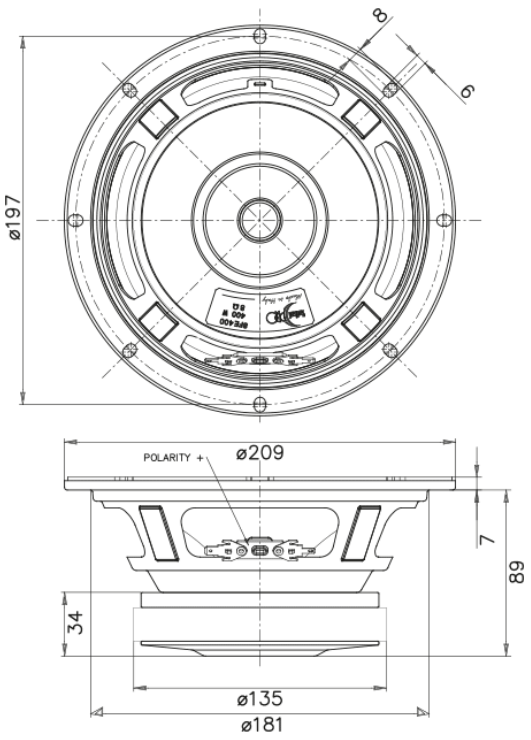
**(5)** Maximum excursion before permanent damage

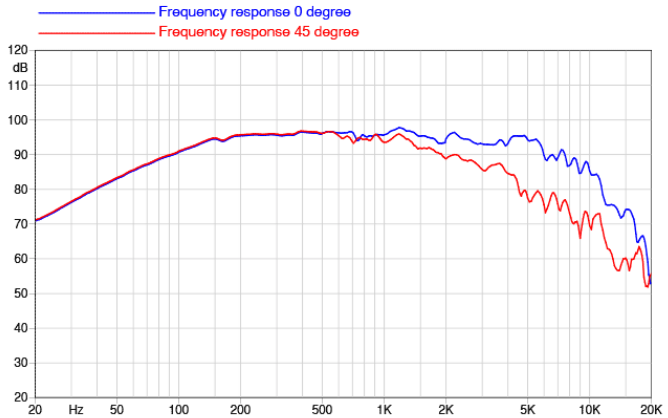
## TECHNICAL PARAMETERS

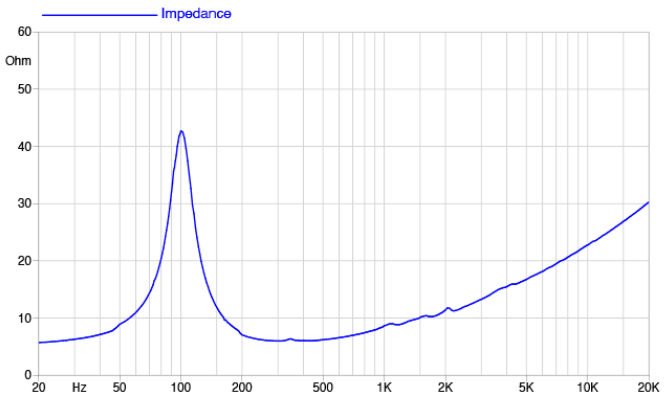
| | |
|---|---|
| Nominal Impedance | 8 Ohm |
| Minimum Impedance | 6.2 Ohm |
| AES Power Handling **(1)** | 200 W |
| **Maximum Power Handling (2)** | **400 W** |
| **Sensitivity (1W/1m)** | **96 dB** |
| Frequency Range | 100÷6000 Hz |
| **Voice Coil Diameter** | **44 mm (1.73 in)** |
| Winding Material | Al |
| Former Material | Al |
| Winding Depth | 12.2 mm (0.48 in) |
| **Magnetic Gap Depth** | **8 mm (0.31 in)** |
| Flux Density | 1.10 T |
| Magnet | Ferrite Ring |
| Basket Material | Steel |
| Demodulation | No |
| Cone Surround **(3)** | Triple Roll |
| NET Air Volume filled by Loudspeaker | 0.9 dm^3 (0.032 ft^3) |
| Spider Profile | 1x constant height waves |

## THIELE & SMALL PARAMETERS

| | |
|---|---|
| Fs | 100 Hz |
| Re | 5 Ohm |
| Qes | 0.58 |
| Qms | 5.3 |
| Qts | 0.53 |
| Vas | 9.4 dm^3 (0.33 ft^3) |
| Sd | 233 cm^2 (36.12 in^2) |
| Xmax **(4)** | 4.77 mm |
| Xdamage **(5)** | 15.5 mm |
| Mms | 20.5 g |
| Bl | 10.5 N/A |
| Le | 0.44 mH |
| Mmd | 16.5 g |
| Cms | 0.12 mm/N |
| Rms | 2.4 kg/s |
| Eta Zero | 1.56 % |
| EBP | 171 Hz |





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