faital PRO PROFESSIONAL LOUDSPEAKERS

# 6FE400

6" - 200 W - 94 dB - 8 Ohm

## NOMINAL SPECIFICATIONS

| | |
|---|---|
| Nominal Diameter | 160 mm (6 in) |
| Overall Diameter | 166.5 mm (6.56 in) |
| Bolt Circle Diameter | 155 mm (6.10 in) |
| Baffle Cutout Diameter | 146 mm (5.75 in) |
| Depth | 84 mm (3.31 in) |
| Flange and Gasket Thickness | 7 mm (0.28 in) |
| **Net Weight** | **2.7 kg (6.0 lb)** |
| Shipping Box (Single Carton Box) | 190 x 185 x 103 mm (7.48 x 7.28 x 4.05 in) |
| Shipping Weight | 2.9 kg (6.4 lb) |

## PART NUMBER

| | |
|---|---|
| Faston Terminals - 8 Ohm Version | 01604385 |

## TECHNICAL PARAMETERS

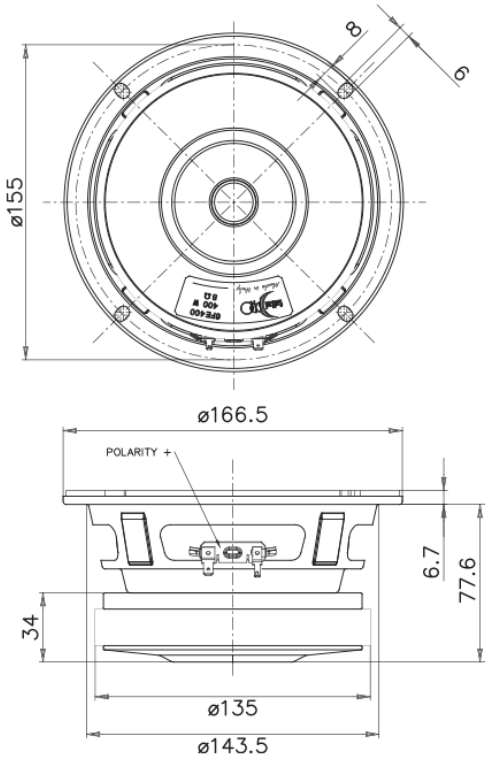
| | |
|---|---|
| Nominal Impedance | 8 Ohm |
| Minimum Impedance | 6.2 Ohm |
| AES Power Handling **(1)** | 200 W |
| **Maximum Power Handling (2)** | **400 W** |
| **Sensitivity (1W/1m)** | **94 dB** |
| Frequency Range | 100÷7000 Hz |
| **Voice Coil Diameter** | **44 mm (1.73 in)** |
| Winding Material | 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 | 0.7 dm^3 (0.025 ft^3) |
| Spider Profile | 1x constant height waves |

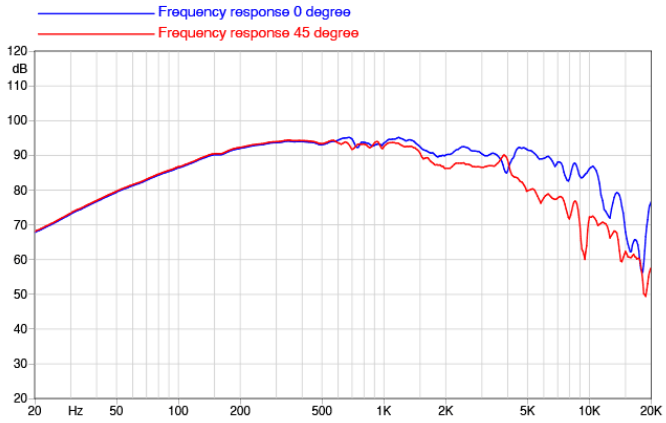
## THIELE & SMALL PARAMETERS

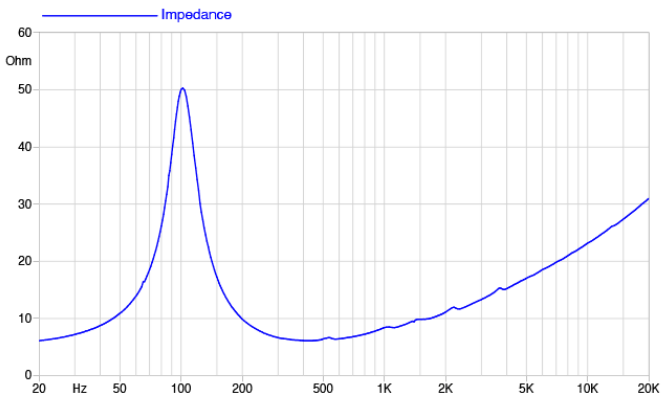
| | |
|---|---|
| Fs | 100 Hz |
| Re | 5.0 Ohm |
| Qes | 0.40 |
| Qms | 3.7 |
| Qts | 0.36 |
| Vas | 5.0 dm^3 (0.18 ft^3) |
| Sd | 141 cm^2 (21.86 in^2) |
| Xmax **(4)** | 4.77 mm |
| Xdamage **(5)** | 15.5 mm |
| Mms | 14.0 g |
| Bl | 10.5 N/A |
| Le | 0.42 mH |
| Mmd | 12.1 g |
| Cms | 0.18 mm/N |
| Rms | 2.4 kg/s |
| Eta Zero | 1.22 % |
| EBP | 251 Hz |

**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





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