faital PRO PROFESSIONAL LOUDSPEAKERS

# 12FE400

12" - 200 W - 95 dB - 4 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) |
| **Net Weight** | **3.1 kg (6.8 lb)** |
| 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 - 4 Ohm Version | 03004431 |

**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)

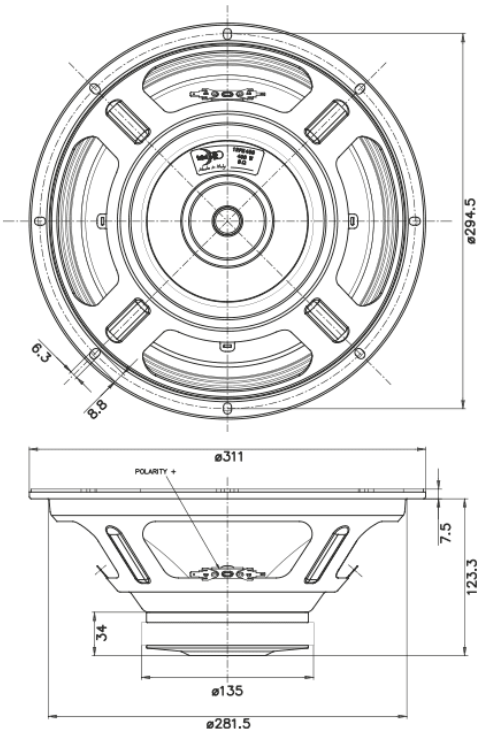
**(5)** Maximum excursion before permanent damage

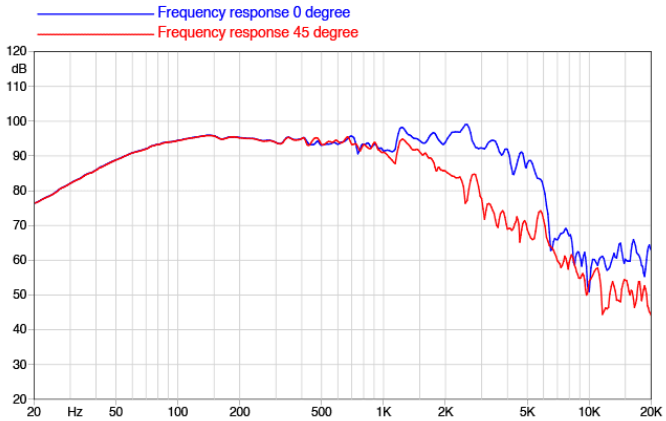
## TECHNICAL PARAMETERS

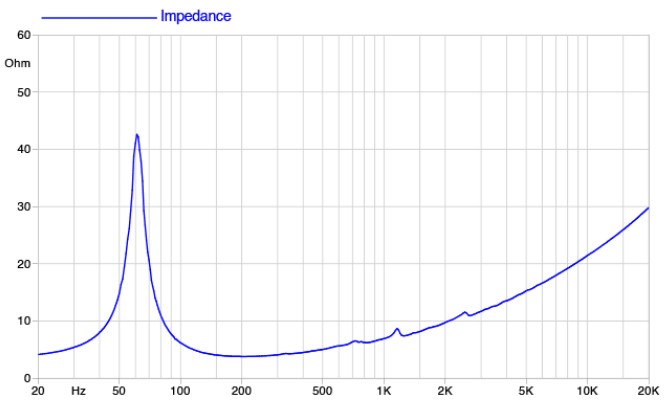
| | |
|---|---|
| Nominal Impedance | 4 Ohm |
| Minimum Impedance | 3.7 Ohm |
| AES Power Handling **(1)** | 200 W |
| **Maximum Power Handling (2)** | **400 W** |
| **Sensitivity (1W/1m)** | **95 dB** |
| Frequency Range | 55÷4000 Hz |
| **Voice Coil Diameter** | **44 mm (1.73 in)** |
| Winding Material | Cu |
| Former Material | Al |
| Winding Depth | 13.5 mm (0.53 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 | 1.9 dm^3 (0.067 ft^3) |
| Spider Profile | 1x constant height waves |

## THIELE & SMALL PARAMETERS

| | |
|---|---|
| Fs | 55 Hz |
| Re | 3.3 Ohm |
| Qes | 0.56 |
| Qms | 6.6 |
| Qts | 0.52 |
| Vas | 69.1 dm^3 (2.44 ft^3) |
| Sd | 549 cm^2 (85.10 in^2) |
| Xmax **(4)** | 5.42 mm |
| Xdamage **(5)** | 14.9 mm |
| Mms | 51.0 g |
| Bl | 10.2 N/A |
| Le | 0.44 mH |
| Mmd | 36.5 g |
| Cms | 0.16 mm/N |
| Rms | 2.7 kg/s |
| Eta Zero | 1.99 % |
| EBP | 98 Hz |





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