faital PRO PROFESSIONAL LOUDSPEAKERS

# 15PR450

15" - 400 W - 98 dB - 8 Ohm

## NOMINAL SPECIFICATIONS

| | |
|---|---|
| Nominal Diameter | 380 mm (15 in) |
| Overall Diameter | 393 mm (15.47 in) |
| Bolt Circle Diameter | 374 mm (14.72 in) |
| Baffle Cutout Diameter | 356 mm (14.02 in) |
| Depth | 172.6 mm (6.80 in) |
| Flange and Gasket Thickness | 13.6 mm (0.54 in) |
| **Net Weight** | **7.8 kg (17.2 lb)** |
| Shipping Box (Single Carton Box) | 430 x 427 x 236 mm (16.9 x 16.8 x 9.3 in) |
| Shipping Weight | 8.9 kg (19.6 lb) |

## PART NUMBER

| | |
|---|---|
| Push Terminals - 8 Ohm Version | TBD |

## TECHNICAL PARAMETERS

| | |
|---|---|
| Nominal Impedance | 8 Ohm |
| Minimum Impedance | 6.2 Ohm |
| AES Power Handling **(1)** | 400 W |
| **Maximum Power Handling (2)** | **800 W** |
| **Sensitivity (1W/1m)** | **98 dB** |
| Frequency Range | 35÷4000 Hz |
| **Voice Coil Diameter** | **77 mm (3 in)** |
| Winding Material | Al |
| Former Material | Glass Fiber |
| Winding Depth | 15 mm (0.59 in) |
| **Magnetic Gap Depth** | **9 mm (0.35 in)** |
| Flux Density | 1.15 T |
| Magnet | Ferrite Ring |
| Basket Material | Aluminum |
| Demodulation | Aluminum Ring |
| Cone Surround **(3)** | Accordion (4 Waves) |
| NET Air Volume filled by Loudspeaker | 4.1 dm^3 (0.145 ft^3) |
| Spider Profile | 1x constant height waves |

## THIELE & SMALL PARAMETERS

| | |
|---|---|
| Fs | 35 Hz |
| Re | 5.1 Ohm |
| Qes | 0.37 |
| Qms | 6.9 |
| Qts | 0.35 |
| Vas | 235.6 dm^3 (8.32 ft^3) |
| Sd | 857 cm^2 (132.84 in^2) |
| Xmax **(4)** | 6.00 mm |
| Xdamage **(5)** | 23 mm |
| Mms | 90 g |
| Bl | 16.6 N/A |
| Le | 0.65 mH |
| Mmd | 61.6 g |
| Cms | 0.23 mm/N |
| Rms | 2.9 kg/s |
| Eta Zero | 2.67 % |
| EBP | 96 Hz |

**NOTES:**

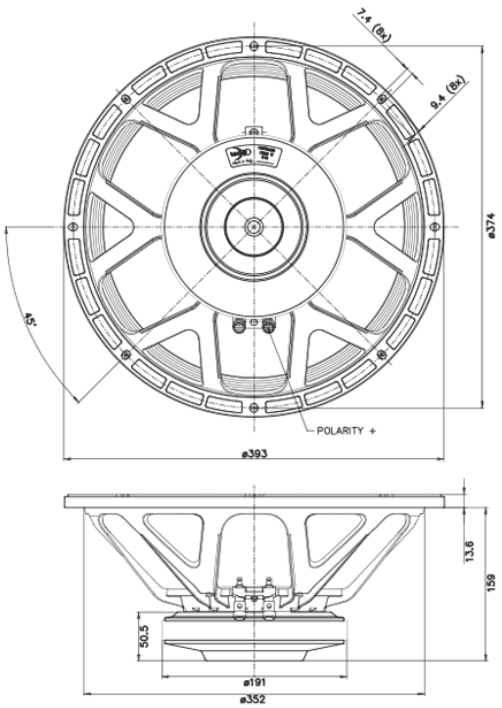
**(1)** 2 Hours Test According to AES 2-1984 Rev. 2003

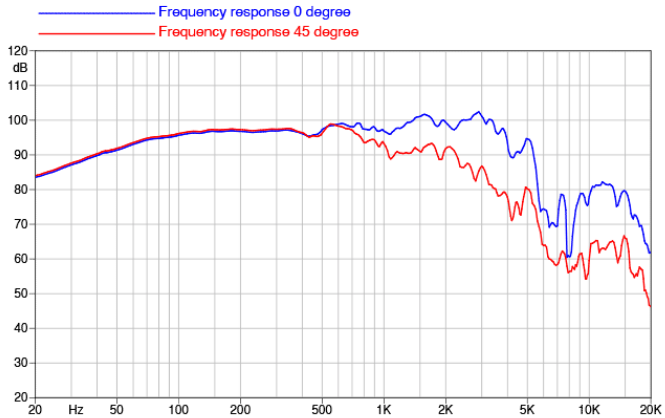
**(2)** Maximum power is defined as 3dB greater than nominal power.

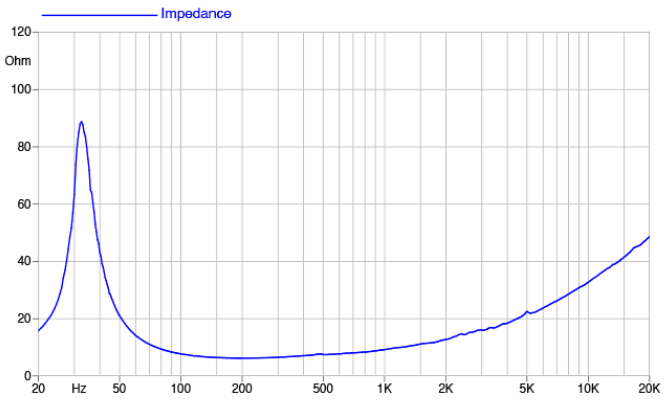
**(3)** Treated Polycotton

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

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





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