faital PRO PROFESSIONAL LOUDSPEAKERS

# 15HP1030

15" - 1000 W - 96 dB - 4 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 | 354 mm (13.94 in) |
| Depth | 188 mm (7.40 in) |
| Flange and Gasket Thickness | 14 mm (0.55 in) |
| **Net Weight** | **11.7 kg (25.8 lb)** |
| Shipping Box (Single Carton Box) | 430 x 427 x 236 mm (16.9 x 16.8 x 9.3 in) |
| Shipping Weight | 12.8 kg (28.2 lb) |

## PART NUMBER

| | |
|---|---|
| Push Terminals - 4 Ohm Version | 03804184 |
| Recone Kit - 4 Ohm Version | R3804184 |

**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)

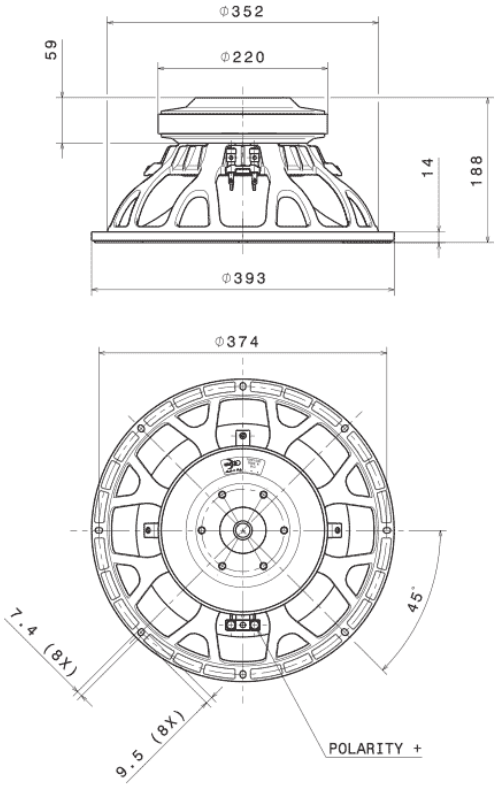
**(5)** Maximum excursion before permanent damage

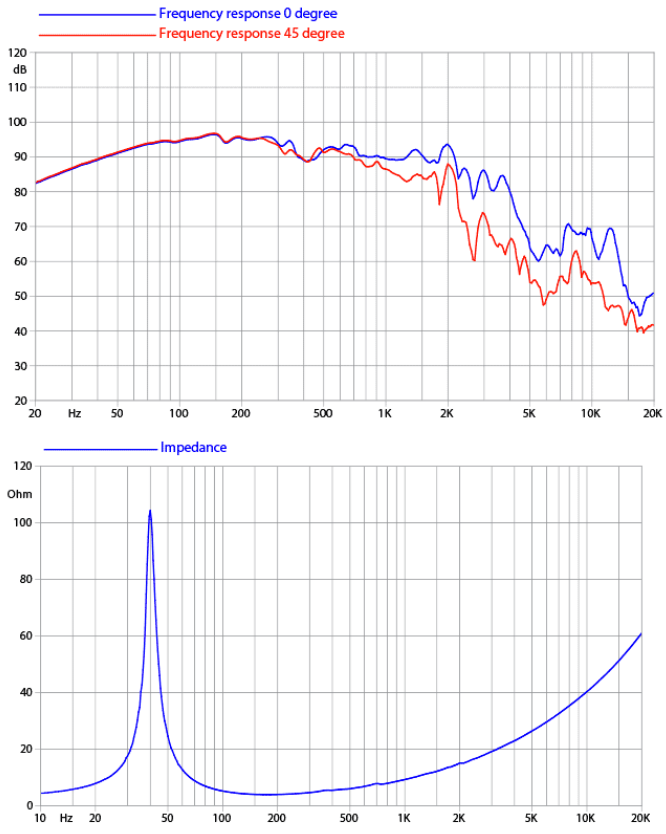
## TECHNICAL PARAMETERS

| | |
|---|---|
| Nominal Impedance | 4 Ohm |
| Minimum Impedance | 2.9 Ohm |
| AES Power Handling **(1)** | 1000 W |
| **Maximum Power Handling (2)** | **2000 W** |
| **Sensitivity (1W/1m)** | **96 dB** |
| Frequency Range | 40÷2000 Hz |
| **Voice Coil Diameter** | **100 mm (4 in)** |
| Winding Material | Cu |
| Former Material | Glass Fiber |
| Winding Depth | 28.9 mm (1.14 in) |
| **Magnetic Gap Depth** | **12 mm (0.47 in)** |
| Flux Density | 1.1 T |
| Magnet | Ferrite Ring |
| Basket Material | Aluminum |
| Demodulation | Aluminum Ring |
| Cone Surround **(3)** | Triple Roll |
| NET Air Volume filled by Loudspeaker | 5.1 dm^3 (0.180 ft^3) |
| Spider Profile | 2x non-adjacent symmetrical variable height waves |

## THIELE & SMALL PARAMETERS

| | |
|---|---|
| Fs | 40 Hz |
| Re | 3.97 Ohm |
| Qes | 0.31 |
| Qms | 13.4 |
| Qts | 0.30 |
| Vas | 88.3 dm^3 (3.12 ft^3) |
| Sd | 842 cm^2 (130.51 in^2) |
| Xmax **(4)** | 12.45 mm |
| Xdamage **(5)** | 23.05 mm |
| Mms | 177.5 g |
| Bl | 20.5 N/A |
| Le | 1 mH |
| Mmd | 149.9 g |
| Cms | 0.09 mm/N |
| Rms | 3.3 kg/s |
| Eta Zero | 1.30 % |
| EBP | 129 Hz |






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