

# HF148

1.4" - 100 W - 109 dB - 8 Ohm



### NOMINAL SPECIFICATIONS

|                                     |  |
|-------------------------------------|--|
| Throat Diameter                     | 35.6 mm (1.4 in)                           |
| Overall Diameter                    | 125 mm (4.92 in)                           |
| 90° Mounting Holes Diameter (4xM6)  | 102 mm (4.02 in)                           |
| Depth                               | 55 mm (2.17 in)                            |
| <b>Net Weight</b>                   | <b>2.32 kg (5.1 lb)</b>                    |
| Shipping Box<br>(Single carton box) | 185 x 170 x 122 mm<br>(7.3 x 6.7 x 4.8 in) |
| Shipping Weight                     | 2.6 kg (5.7 lb)                            |

### PART NUMBER

|                                |          |
|--------------------------------|----------|
| Push Terminals - 8 Ohm Version | 00744220 |
|--------------------------------|----------|

### NOTES:

- Driver mounted on **FaitalPRO LTH142 Horn**
- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
- (2) Maximum power is defined as 3dB greater than nominal power.
- (3) 12 dB/oct or higher slope high-pass filter
- (4) Averaged within the frequency range
- (5) The phase plug is recessed from the driver's exit which is at the end of a conical adaptation horn.

### TECHNICAL PARAMETERS

|  |   |
|--|---|
| Nominal Impedance                      | 8 Ohm   |
| Minimum Impedance                      | 7.2 Ohm                                       |
| <b>AES Power above 0.9 kHz (1)</b>     | <b>100 W</b>                                  |
| AES Power above 0.65 kHz               | 50 W  |
| <b>Maximum Power above 0.9 kHz (2)</b> | <b>200 W</b>                                  |
| Maximum Power above 0.65 kHz           | 100 W   |
| Minimum Crossover Frequency (3)        | 0.9 kHz                                       |
| <b>Sensitivity (1W/1m) (4)</b>         | <b>109 dB</b>                                 |
| Frequency Range                        | 0.5÷18 kHz                                    |
| <b>Voice Coil Diameter</b>             | <b>74 mm (2.91 in)</b>                        |
| <b>Winding Material</b>                | <b>Al</b>                                     |
| Former Material                        | Kapton  |
| <b>Diaphragm Material</b>              | <b>Titanium</b>                               |
| Diaphragm Shape                        | Dome  |
| Winding Depth                          | 2.35 mm (0.09 in)                             |
| Magnetic Gap Depth                     | 3.2 mm (0.13 in)                              |
| Flux Density                           | 1.75 T  |
| Magnet                                 | Neodymium Ring                                |
| Re                                     | 5.6 Ohm                                       |
| Phase Plug Design                      | Annular                                       |
| Exit Angle (5)                         | 12° Conical                                   |
| NET Air Volume filled by HF Driver     | 0.45 dm <sup>3</sup> (0.016 ft <sup>3</sup> ) |

