

# HF144

1.4" - 80 W - 109 dB - 16 Ohm

## NOMINAL SPECIFICATIONS

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| Throat Diameter                     | 35.6 mm (1.4 in)                           |
| Overall Diameter                    | 123 mm (4.84 in)                           |
| 90° Mounting Holes Diameter (4xM6)  | 102 mm (4.02 in)                           |
| Depth                               | 63.5 mm (2.50 in)                          |
| <b>Net Weight</b>                   | <b>2 kg (4.4 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                     | 2.3 kg (5.1 lb)                            |

## PART NUMBER

|                                 |          |
|---------------------------------|----------|
| Push Terminals - 16 Ohm Version | 00654016 |
|---------------------------------|----------|

## NOTES:

Driver mounted on **FaitalPRO LTH142 Horn**

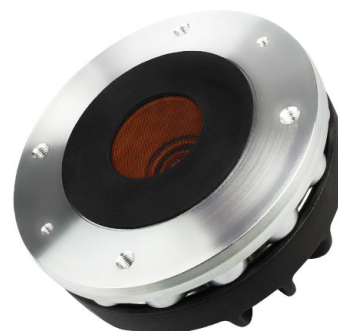
(1) 2 Hours Test According to AES 2-1984 Rev. 2003

(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                      | 16 Ohm                 |
| Minimum Impedance                      | 14.4 Ohm               |
| <b>AES Power above 0.9 kHz (1)</b>     | <b>80 W</b>            |
| AES Power above 0.65 kHz               | 40 W                   |
| <b>Maximum Power above 0.9 kHz (2)</b> | <b>160 W</b>           |
| Maximum Power above 0.65 kHz           | 80 W                   |
| Minimum Crossover Frequency (3)        | 0.9 kHz                |
| <b>Sensitivity (1W/1m) (4)</b>         | <b>109 dB</b>          |
| Frequency Range                        | 0.7÷18 kHz             |
| <b>Voice Coil Diameter</b>             | <b>65 mm (2.56 in)</b> |
| <b>Winding Material</b>                | <b>Al</b>              |
| Former Material                        | Kapton                 |
| <b>Diaphragm Material</b>              | <b>Ketone Polymer</b>  |
| Diaphragm Shape                        | Dome                   |
| Winding Depth                          | 3.75 mm (0.15 in)      |
| Magnetic Gap Depth                     | 4.2 mm (0.17 in)       |
| Flux Density                           | 1.7 T                  |
| Magnet                                 | Neodymium Slug Crown   |
| Re                                     | 11 Ohm                 |
| Phase Plug Design                      | Annular                |
| Exit Angle (5)                         | 29° Conical            |
| NET Air Volume filled by HF Driver     | 0.55 dm³ (0.019 ft³)   |

