

# HF140

1.4" - 70 W - 109 dB - 8 Ohm

## NOMINAL SPECIFICATIONS

|                                     |                                         |
|-------------------------------------|-----------------------------------------|
| Throat Diameter                     | 35.6 mm (1.4 in)                        |
| Overall Diameter                    | 130.5 mm (5.14 in)                      |
| 90° Mounting Holes Diameter (4xM6)  | 102 mm (4.02 in)                        |
| Depth                               | 62 mm (2.44 in)                         |
| <b>Net Weight</b>                   | <b>2.9 Kg (6.4 lb)</b>                  |
| Shipping Box<br>(Single carton box) | 185 x 170 x 122 mm (7.3 x 6.7 x 4.8 in) |
| Shipping Weight                     | 3.1 Kg (6.8 lb)                         |

## PART NUMBER

|                                |          |
|--------------------------------|----------|
| Push Terminals - 8 Ohm Version | 00743959 |
|--------------------------------|----------|

## 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                      | 6.3 Ohm                                      |
| <b>AES Power above 0.9 kHz (1)</b>     | <b>70 W</b>                                  |
| AES Power above 0.65 kHz               | 50 W                                         |
| <b>Maximum Power above 0.9 kHz (2)</b> | <b>140 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                     | 2.8 mm (0.11 in)                             |
| Flux Density                           | 1.8 T                                        |
| Magnet                                 | Neodymium Slug Crown                         |
| Re                                     | 5.6 Ohm                                      |
| Phase Plug Design                      | Annular                                      |
| Exit Angle (5)                         | 7° Conical                                   |
| NET Air Volume filled by HF Driver     | 0.7 dm <sup>3</sup> (0.025 ft <sup>3</sup> ) |

