PROFESSIONAL LOUDSPEAKERS

# 4FE42

4" - 40 W - 94 dB - 8 Ohm



## NOMINAL SPECIFICATIONS

| | |
|---|---|
| Nominal Diameter | 100 mm (4 in) |
| Overall Diameter | 129.85/100.5 mm (5.11/3.96 in) |
| Bolt Circle Diameter | 115.26 mm (4.54 in) |
| Baffle Cutout Diameter | 91.5 mm (3.60 in) |
| Depth | 54.1 mm (2.13 in) |
| Flange and Gasket Thickness | 7 mm (0.28 in) |
| **Net Weight** | **390 g (0.9 lb)** |
| Shipping Box (Single Carton Box - 8 units) | 225 x 225 x 150 mm (8.9 x 8.9 x 5.9 in) |
| Shipping Weight (8 units) | 3.6 kg (7.9 lb) |

## PART NUMBER

| | |
|---|---|
| Faston Terminals - 8 Ohm Version | 01004370 |

### NOTES:

Packaged and sold in multiples of 8 units

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

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

**(3)** NBR (Rubber)

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

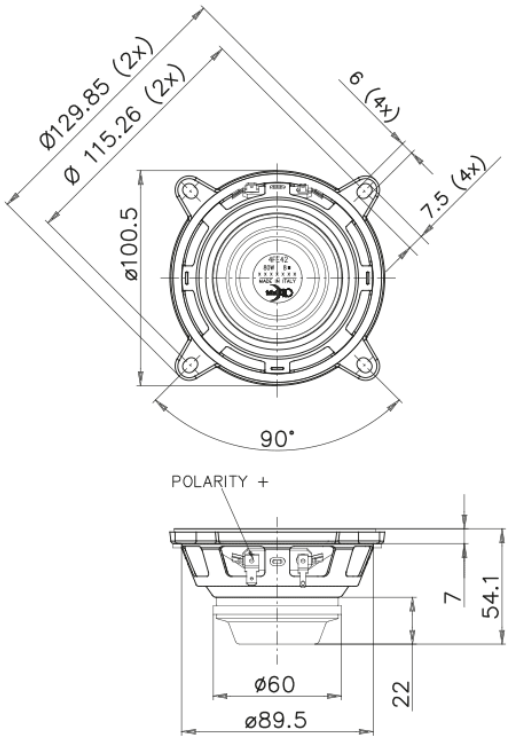
**(5)** Maximum excursion before permanent damage

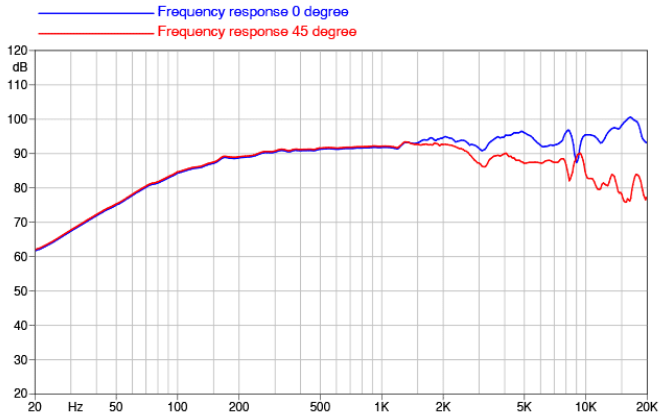
## TECHNICAL PARAMETERS

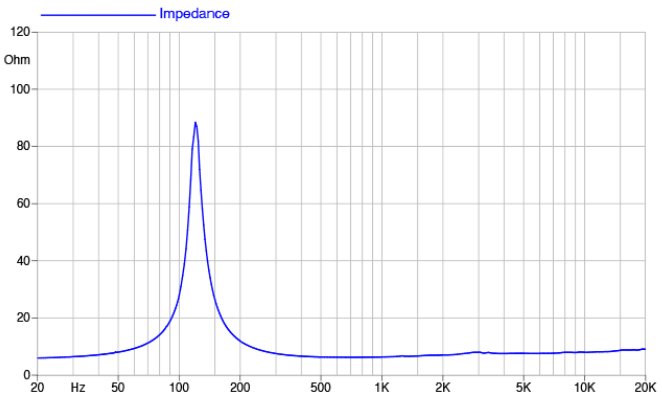
| | |
|---|---|
| Nominal Impedance | 8 Ohm |
| Minimum Impedance | 6.2 Ohm |
| AES Power Handling **(1)** | 40 W |
| **Maximum Power Handling (2)** | **80 W** |
| **Sensitivity (1W/1m)** | **94 dB** |
| Frequency Range | 100÷20000 Hz |
| **Voice Coil Diameter** | **25 mm (0.98 in)** |
| Winding Material | Al |
| Former Material | Kapton |
| Winding Depth | 7 mm (0.28 in) |
| **Magnetic Gap Depth** | **4 mm (0.16 in)** |
| Flux Density | 1.4 T |
| Magnet | Neodymium Ring |
| Basket Material | Steel |
| Demodulation | Copper Cap |
| Cone Surround **(3)** | Half Roll |
| NET Air Volume filled by Loudspeaker | 0.105 dm^3 (0.004 ft^3) |
| Spider Profile | 1x constant height waves |

## THIELE & SMALL PARAMETERS

| | |
|---|---|
| Fs | 110 Hz |
| Re | 5.4 Ohm |
| Qes | 0.50 |
| Qms | 8.0 |
| Qts | 0.47 |
| Vas | 1.9 dm^3 (0.07 ft^3) |
| Sd | 50.9 cm^2 (7.89 in^2) |
| Xmax **(4)** | 2.83 mm |
| Xdamage **(5)** | 5.1 mm |
| Mms | 4.0 g |
| Bl | 6 N/A |
| Le | 0.07 mH |
| Mmd | 3.6 g |
| Cms | 0.52 mm/N |
| Rms | 0.3 kg/s |
| Eta Zero | 0.59 % |
| EBP | 220 Hz |





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