



**Key features:**

- EXTENDED FREQUENCY RESPONSE
- HARD ANODIZED ALUMINUM CONE, ALUMINUM BASKET
- DESIGNED FOR HI-FI AND OUT DOOR APPLICATIONS

**Design notes:**

61FHM mid-woofer was designed for outdoor applications, yet it will shine in hi-fi home and studio applications as well.

Optimized ferrite based magnetic circuit with good air-venting features ensures long lasting performance.

Our engineers have chosen hard-anodized cone with rubber surround for this model. Both of these components are produced with UV stabilizers. Furthermore, REDCATT state of the art adhesive and dispensing techniques ensures

waterproof seals in all weather exposed glue joints. Sealing to the exposure can be guaranteed by EVA gaskets or based upon a request by Form In Place Gaskets.

The audio system designers can rest assured we have extensively tested this product with UV exposure, salt exposure and waterproofing.

The extended mid-frequency response allows the systems to be used with

higher resonance frequency HF units. For the best performance in the audio systems, we recommend usage in sealed enclosures. In this model the aluminum cone further improves the mid-frequency response and lowers the harmonic distortion artifacts.

**Specifications:**

**General specs**

Nominal Diameter: 4 in.  
Rated Impedance: 4 Ohm

**Power handling**

AES Power: 80 Watts  
Program Power: 160 Watts  
Peak Power: 320 Watts

**Voice Coil**

Diameter: 1.5 in.  
Winding wire: CCAW  
Former: GF  
Winding height: 16 mm

**T/S Parameters**

Resonant frequency: 39 Hz  
Re: 3.3 ohm  
Qes: 0.48  
Qms: 14.8  
Qts: 0.47  
Vas: 24.7 liters  
Sd: 132.7 cm<sup>2</sup>  
Sensitivity: 87.7 dB  
Mms: 16.8 grams  
Bl: 5.3  
Le: 0.1 mH

**Design details**

Surround Material: Rubber  
Cone material: Polypropylene  
Spider: Nomex  
Plate thickness: 5 mm  
Peak to peak linear cone Displacement: 16.8 mm  
Overall diameter: 181.5 mm  
Bolt circle diameter: 169.5 mm  
Baffle cutout dia.: 151 mm  
Number of mounting holes: 6  
Depth (flange to rear): 86.6 mm  
Net weight: 1.6 kg

**Ordering codes:**

4 ohm version:  
8 ohm version:  
16 ohm version:  
Recone kits:  
4 ohm version: N/A  
8 ohm version: N/A  
16 ohm version: N/A

**Frequency response & Impedance**



Frequency response measured on IAC baffle

**2D drawing**

