**Motorboard Assemblies**

Atlas Sound has also addressed retrofit and “division of labor” installations with a new “motorboard” version of the Strategy Series® II. Model FA42T-6MB is comprised of a 4” speaker with transformer, selector switch, and front plate. The footprint of the FA42T-6MB is identical to a standard FA Series 6” speaker component, which allows the motorboard to fit into all current Strategy Series® 6” enclosures in the exact manor as a regular FA speaker. Front mounted tap selector switch for easy system tuning adjustments includes transformer bypass setting for 8Ω / direct coupled operation.

**Architects & Engineers Specifications**

System shall include a high performance 4” coaxial loudspeaker and tap selector switch mounted to a ported mounting plate appropriately sized to match Atlas Sound FA95-6, FA97-6 enclosures.

When used with the FA97-6 enclosure frequency response for the system shall be 75Hz – 20kHz (±7dB). Sensitivity shall be 88dB average. Loudspeaker shall be comprised of a 4” coaxial cone type driver. Cone shall be constructed of polypropylene with a butyl rubber surround. The 19mm tweeter shall be constructed of PEI. Magnet shall be a minimum of 10oz (264g) and the voice coil diameter shall be 1” (25mm). Transformer shall be 70.7V / 100V type with 1, 2, 4, 8, and 16 watt primary taps (@70.7V). 12” stripped and tinned wiring pigtails shall be terminated to the tap selector switch for convenient hook-up. The motorboard assembly shall be the Atlas Sound FA42T-6MB.

**Specifications**

- **Power Rating**: 25 Watts
- **Transformer Taps at 70.7V**: 1, 2, 4, 8, & 16 Watts
- **Frequency Response**: 75Hz – 20kHz (±7dB)
  - *In FA97-6 Enclosure*
- **Sensitivity (1W / 1M)**: 88dB
- **Woofer**: 4” Poly Cone with Butyl Rubber Surround
- **Woofer Magnet Weight**: 10oz (264g)
- **HF Driver**: Coaxially Mounted PEI Dome Tweeter
- **Matches Enclosures**: FA95-6, FA97-6
**FA42T-6MB 1/2 Space Frequency Response**

![Graph showing space frequency response](image1)

**FA42T-6MB Harmonic Distortion**

![Graph showing harmonic distortion](image2)
FA42T-6MB Directivity vs Frequency

![Graph showing FA42T-6MB Directivity vs Frequency](image)

FA42T-6MB Polars (Normalized to Zero on Axis) (-6 dB)

![Graph showing FA42T-6MB Polars](image)