

- Powerful motor and magnet mix up to 25L of liquid
- Large top plate surface
- Microprocessor controls

Talboys Standard and Advanced High Volume Stirrers are designed for large capacity applications. Powerful magnet and motor offer exceptional magnetic coupling force capable of stirring 25L.

### Operating Features:

**Low Profile Design:** Takes up minimal space. Spill-resistant housing channels fluids away from internal components. Cast aluminum base offers durability and added stability.

**Glass Filled Nylon Top Plate:** Features a chemical resistant, reflective white top plate surface that is easy to clean.

**Large Top Plate:** Accommodates oversized vessels.

**Microprocessor Control:** Precisely regulates speed through the entire range. Stirring function, with continuous duty motor and magnet, maintains set speed even under changing load or viscosity.

**Adjustment Knob:** Basic speed control knob with dial markings from 1 to 10 (Standard Series).

**LED Display:** Touch pad controls with easy-to-read, independent LED displays for speed and time. Speed is adjustable in 10rpm increments. Timer will display elapsed time or, when programmed to user defined limit, will shut off unit when time reaches zero (Advanced Series).

### Safety Features:

**Audible Alarm:** In timed mode, alarm will sound when time reaches zero (Advanced Series).

**Speed Ramping Feature:** Slowly increases speed for improved safety and enhanced coupling. Avoids splashing, improves spin bar control and provides excellent low speed control.

### Operating Conditions:

Units can be run in conditions from 5 to 40°C (41 to 104°F), 20% to 80% relative humidity, non-condensing.

### Applications:

Carboys, chromatography, and large volume sample stirring.

### Ordering Information:

Units include a 92" (234cm) detachable, 3-wire cord and plug (230 volt units are supplied with Euro type plug). Units are also supplied with a 2.75" (7cm) PTFE coated stir bar. Additional stir bars are available on page 74. **5 year limited warranty on parts and labor.**

**Optional NIST Traceable Calibration Certificate** provided by Troemner's ISO/IEC 17025 accredited laboratory. Multiple data points within the speed range and time function are reported on the certificate with the associated uncertainties.



| Specifications                      |  |
|-------------------------------------|--|
| Speed Range                         | 60 to 1400rpm                                |
| Speed Stability                     | 60 to 250rpm +/-5rpm<br>250 to 1400rpm +/-2% |
| Timer (Advanced Series)             | 1 second to 160 hours                        |
| Maximum Capacity (H <sub>2</sub> O) | 25L  |
| Maximum Vessel Diameter             | 10" (25cm)                                   |
| Top Plate Material                  | Glass filled nylon                           |
| Top Plate Dimensions (L x W)        | 12.5 x 11" (31.8 x 27.9cm)                   |
| Overall Dimensions (L x W x H)      | 17 x 11 x 4"<br>(43.2 x 27.9 x 9.7cm)        |
| Ship Weight                         | 14.6lbs (6.6kg)                              |

| Description  | Electrical (50/60 Hz)       | Positions | Part Number |
|--|-----------------------------|-----------|-------------|
| Standard High Volume Stirrer                                 | 120V   1.3 amps   75 watts  | 1         | 986366      |
| Standard High Volume Stirrer                                 | 230V   0.65 amps   75 watts | 1         | 986367      |
| Advanced High Volume Stirrer                                 | 120V   1.3 amps   75 watts  | 1         | 986368      |
| Advanced High Volume Stirrer                                 | 230V   0.65 amps   75 watts | 1         | 986369      |
| Advanced High Volume Stirrer with NIST Traceable Certificate | 120V   1.3 amps   75 watts  | 1         | 986368-C    |
| Advanced High Volume Stirrer with NIST Traceable Certificate | 230V   0.65 amps   75 watts | 1         | 986369-C    |