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- **Excellent temperature uniformity**
- **Cool touch, chemical resistant housing**
- **LED display for temperature**

Talboys Advanced Hotplates, Stirrers and Hotplate-Stirrers deliver accurate and repeatable results. These units are microprocessor controlled and have an LED display for temperature. Control panel features easy-to-use controls which allow users to dial in adjustments. Rear housing features an integral support rod holder with locking knob to accept the optional support rod and clamp kit.

Operating Features:

Low Profile Design: Takes up minimal space and fits easily into fume hoods. Spill-resistant design channels fluids away from internal components.

LED Display: Shows set-point temperature. Display is easy-to-read and provides repeatable and accurate results every time.

Control Panel: Adjustment knob for temperature displays set-point in LED display. Stir control knob has rpm adjustment markings.

Recall Last Temperature: Built-in memory allows users to recall last set temperature, even when unit has been turned off.

Microprocessor Control: Advanced electronics regulate both heating and stirring and bring samples to temperature quickly and efficiently. An internal RTD accurately measures and controls temperature. Precise speed control provides consistent stirring at all speeds. Powerful continuous duty motor delivers dependable and reliable stirring.

Heating Capacity: Robust heater allows heating surface to reach set-point quickly.

Ceramic or Aluminum Top Plate Materials: Ceramic tops feature a chemical resistant, reflective white top plate surface that is easy to clean. Durable aluminum tops will not crack or chip, and provide a more even temperature distribution.

Built-In Support Rod Holder: Rear housing features an off-centered, built-in support rod holder with locking knob that accepts the optional Support Rod and Clamp Kit.

Safety Features:

Cool Touch Housing: Housing is made of a heat resistant polymer that is not only cool to the touch, but is also chemical resistant.

Hot Top Indicator: For additional safety, hot symbol warning light is illuminated when heat is turned on and remains on until top plate cools down, (for hotplates or hotplate-stirrers).

Stir Protection: If stirrer motor stops or fails, unit will automatically shut down heater (for hotplate-stirrers).

Speed Ramping Feature: Slowly increases speed for improved safety and enhanced coupling. Avoids splashing, improves spin bar control and provides excellent low end speed control (for stirrers or hotplate-stirrers).

Optional Support Rod and Clamp Kit: Kit includes 18" (45.7cm) stainless steel support rod, 3-prong medium swivel clamp, thermometer/temperature probe extension clamp, and hook connector. See page 67 for all options.

Operating Conditions:

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

Ordering Information:

Units include a 92" (234cm) detachable, 3-wire cord and plug (230 volt units are supplied with Euro type plug). Stirrers and Hotplate-Stirrers are supplied with a 1.5" (3.8cm) PTFE coated stir bar. **5 year limited warranty on parts and labor.**



984TA7CHSUSA

Specifications	
Top Plate Dimensions	
4 x 4" Units	4 x 4" (10.2 x 10.2cm)
7 x 7" Units	7 x 7" (17.8 x 17.8cm)
10 x 10" Units	10 x 10" (25.4 x 25.4cm)
Temperature Range	
Ceramic Top Plate Units	Ambient +5°C to 500°C
Aluminum Top Plate Units	Ambient +5°C to 400°C
Temperature Stability*	
Ceramic Top Plate Units	± 3%
Aluminum Top Plate Units	± 2%
Speed Range	60 to 1600rpm
Speed Stability	± 2%
Maximum Capacity (H_2O)	
4 x 4" Units	600mL
7 x 7" Units	2500mL
10 x 10" Units	6000mL
Overall Dimensions (L x W x H)	
4 x 4" Units	10.8 x 6.6 x 4.3" (27.4 x 16.8 x 10.9cm)
7 x 7" Units	14.8 x 9.9 x 4.3" (37.6 x 25 x 10.9cm)
10 x 10" Units	17.9 x 13 x 4.3" (45.5 x 33 x 10.9cm)
Ship Weight	
4 x 4" Units	6.2lbs (2.8kg)
7 x 7" Units	10.5lbs (4.8kg)
10 x 10" Units	15.9lbs (7.2kg)

* Below 100°C ± 2°C. Environmental and sample conditions permitting.

Advanced Hotplates, Stirrers & Hotplate-Stirrers

Advanced Hotplates			
Description	**Top Plate Material**	**Electrical (50/60 Hz)**	**Part Number**
4 x 4" (10.2 x 10.2cm) Hotplate	Ceramic	120V I 2.9 amps I 350 watts	984TA4CHPUSA
4 x 4" (10.2 x 10.2cm) Hotplate	Ceramic	230V I 1.5 amps I 350 watts	984TA4CHPEUA
4 x 4" (10.2 x 10.2cm) Hotplate	Aluminum	120V I 2.9 amps I 350 watts	984TA4AHPUSA
4 x 4" (10.2 x 10.2cm) Hotplate	Aluminum	230V I 1.5 amps I 350 watts	984TA4AHPEUA
7 x 7" (17.8 x 17.8cm) Hotplate	Ceramic	120V I 7.9 amps I 950 watts	984TA7CHPUSA
7 x 7" (17.8 x 17.8cm) Hotplate	Ceramic	230V I 4.4 amps I 1000 watts	984TA7CHPEUA
7 x 7" (17.8 x 17.8cm) Hotplate	Aluminum	120V I 7.9 amps I 950 watts	984TA7AHPUSA
7 x 7" (17.8 x 17.8cm) Hotplate	Aluminum	230V I 4.4 amps I 1000 watts	984TA7AHPEUA
10 x 10" (25.4 x 25.4cm) Hotplate	Ceramic	120V I 12.5 amps I 1500 watts	984TA0CHPUSA
10 x 10" (25.4 x 25.4cm) Hotplate	Ceramic	230V I 6.7 amps I 1550 watts	984TA0CHPEUA
10 x 10" (25.4 x 25.4cm) Hotplate	Aluminum	120V I 12.5 amps I 1550 watts	984TA0AHPUSA
10 x 10" (25.4 x 25.4cm) Hotplate	Aluminum	230V I 6.7 amps I 1550 watts	984TA0AHPEUA
Advanced Stirrers			
Description	**Top Plate Material**	**Electrical (50/60 Hz)**	**Part Number**
4 x 4" (10.2 x 10.2cm) Stirrer	Ceramic	120V I 0.4 amps I 50 watts	984TA4CSTUSS
4 x 4" (10.2 x 10.2cm) Stirrer	Ceramic	230V I 0.2 amps I 50 watts	984TA4CSTEUS
4 x 4" (10.2 x 10.2cm) Stirrer	Aluminum	120V I 0.4 amps I 50 watts	984TA4ASTUSS
4 x 4" (10.2 x 10.2cm) Stirrer	Aluminum	230V I 0.2 amps I 50 watts	984TA4ASTEUS
7 x 7" (17.8 x 17.8cm) Stirrer	Ceramic	120V I 0.4 amps I 50 watts	984TA7CSTUSS
7 x 7" (17.8 x 17.8cm) Stirrer	Ceramic	230V I 0.2 amps I 50 watts	984TA7CSTEUS
7 x 7" (17.8 x 17.8cm) Stirrer	Aluminum	120V I 0.4 amps I 50 watts	984TA7ASTUSS
7 x 7" (17.8 x 17.8cm) Stirrer	Aluminum	230V I 0.2 amps I 50 watts	984TA7ASTEUS
10 x 10" (25.4 x 25.4cm) Stirrer	Ceramic	120V I 0.4 amps I 50 watts	984TA0CSTUSS
10 x 10" (25.4 x 25.4cm) Stirrer	Ceramic	230V I 0.2 amps I 50 watts	984TA0CSTEUS
10 x 10" (25.4 x 25.4cm) Stirrer	Aluminum	120V I 0.4 amps I 50 watts	984TA0ASTUSS
10 x 10" (25.4 x 25.4cm) Stirrer	Aluminum	230V I 0.2 amps I 50 watts	984TA0ASTEUS
Advanced Hotplate-Stirrers			
Description	**Top Plate Material**	**Electrical (50/60 Hz)**	**Part Number**
4 x 4" (10.2 x 10.2cm) Hotplate-Stirrer	Ceramic	120V I 3.3 amps I 400 watts	984TA4CHSUSA
4 x 4" (10.2 x 10.2cm) Hotplate-Stirrer	Ceramic	230V I 1.7 amps I 400 watts	984TA4CHSEUA
4 x 4" (10.2 x 10.2cm) Hotplate-Stirrer	Aluminum	120V I 3.3 amps I 400 watts	984TA4AHSUSA
4 x 4" (10.2 x 10.2cm) Hotplate-Stirrer	Aluminum	230V I 1.7 amps I 400 watts	984TA4AHSEUA
7 x 7" (17.8 x 17.8cm) Hotplate-Stirrer	Ceramic	120V I 8.3 amps I 1000 watts	984TA7CHSUSA
7 x 7" (17.8 x 17.8cm) Hotplate-Stirrer	Ceramic	230V I 4.6 amps I 1050 watts	984TA7CHSEUA
7 x 7" (17.8 x 17.8cm) Hotplate-Stirrer	Aluminum	120V I 8.3 amps I 1000 watts	984TA7AHSUSA
7 x 7" (17.8 x 17.8cm) Hotplate-Stirrer	Aluminum	230V I 4.6 amps I 1050 watts	984TA7AHSEUA
10 x 10" (25.4 x 25.4cm) Hotplate-Stirrer	Ceramic	120V I 12.9 amps I 1550 watts	984TA0CHSUSA
10 x 10" (25.4 x 25.4cm) Hotplate-Stirrer	Ceramic	230V I 7.0 amps I 1600 watts	984TA0CHSEUA
10 x 10" (25.4 x 25.4cm) Hotplate-Stirrer	Aluminum	120V I 12.9 amps I 1550 watts	984TA0AHSUSA
10 x 10" (25.4 x 25.4cm) Hotplate-Stirrer	Aluminum	230V I 7.0 amps I 1600 watts	984TA0AHSEUA

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