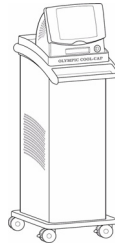


# Specification



# OLYMPIC COOL-CAP® SYSTEM

## Intended Use

The Olympic Cool-Cap® system is intended to provide selective head cooling with mild systemic hypothermia in critical care treatment areas.

## Dimensions

52.0-in. high × 17.1-in. wide × 22.3-in. deep  
132.1-cm high × 43.4-cm wide × 56.6-cm deep

## Weight

115 lb                      52 kg

**Note:** The above dimensions and weight are for the Olympic Cool-Cap system, which includes the control unit mounted on the cooling unit.

## Electrical

### Power Requirements

- Voltage: 100–240V~, single phase
- Consumption: 5.5A
- Frequency (current): 50/60 ±1 Hz
- Control unit voltage from cooling unit: 12Vdc, 3A

### Ground

Does not exceed 0.13Ω

### Fuses

Two internal: 8A, 250V, Slo-Blo  
One internal: 10A, 250V, Slo-Blo ceramic

## Environmental

### Temperature

- |                      |           |           |
|----------------------|-----------|-----------|
| ■ Operating:         | 70–78°F   | 21–25.5°C |
| ■ Shipping:          | 40–158°F  | -40–70°C  |
| ■ Storage:           |           |           |
| Cooling Unit and TSM | -40–158°F | -40–70°C  |
| Control Unit         | -4–113°F  | -20–45°C  |

### Relative Humidity (RH)

- Operating: 0–95%
- Non-Operating: 10–100%

### Operating Altitude

Up to 6560 ft                                      Up to 2000 m

### Operating and Non-Operating Pressure

500–1060 hPa                                      14.7–31.3 inHg

## Controls

- **Mains power** switch, located on back of cooling unit, changes device state **ON (I)** or **OFF (O)**; the operating system loads and the start screen displays on the control unit
- **Touch controls** for starting and monitoring treatment (cooling-rewarm), entering and reviewing infant data.

## Computer

### User Interface

- Color liquid crystal display (LCD) touch-screen
- 800 x 600 pixel resolution, 32-bit color

## External Connections

### Electrical

Hospital-grade power cord

### Water

- Bag of sterile water, 1 liter
- IN/OUT, FILL, and DRAIN connectors

## Product and Consumables

### Item

### Catalog No.

Olympic Cool-Cap system	60010
Control unit, cooling unit, and heat shield. Power cord, software, and instructions.	
Accessory case A — Cooling cap sets (2 small, 4 medium, 2 large), 4 temperature sensor sets. Accessory case B — reusable accessories (main hose support, main hose, cap tube support, cap connector tubes, spiked fill tube, temperature sensor module, module clips, test kit, cleaning kit).	
Complete Cap Set, Size Small	60020
Complete Cap Set, Size Medium	60021
Complete Cap Set, Size Large	60022
Each cap set is complete with water cap, water cap retainer, and insulating cap.	
Temperature Sensor Adapter	60060
Temperature Sensor Set	60040
Complete with rectal temperature sensor, skin/scalp temperature sensors, and TempHeart® shields.	
Temperature Sensor Module Clips, bag of 5	60061

**Note:** For reorder numbers for parts and accessories, refer to the *Olympic Cool-Cap Operator's and Service Manuals*.

## Regulatory, Electrical Safety, and Classifications

### Applicable Standards

- Canadian Standards Association (CSA) 60601:1-M90
- International Electrotechnical Commission (IEC) 60601-1-1: Amendments I and II and 60601-1-2 (2000)
- Underwriters Laboratory (UL) 60601-1

### Regulatory Classifications

- United States Food and Drug Administration (FDA) Class III
- Health Canada, Therapeutic Products Directorate, Class II
- European Union (EU) Medical Device Directive (MDD), Class IIb

### Operation / Enclosure

- IEC Class I shock protection
- Continuous
- Ordinary equipment IXPØ
- Installation/overvoltage category II
- Pollution degree 2
- Indoor use only

## Maintenance and Service

Routine maintenance, such as annual and bi-monthly inspection and cleaning, can be performed by biomedical technicians. The Olympic Cool-Cap unit must be returned to the factory for servicing.

For maintenance and service information, consult the *Olympic Cool-Cap Service Manual*. Wiring diagrams and schematics are available upon request.

## Warranty

Standard one-year warranty, with a no-charge loaner unit.

## Electromagnetic Compatibility

The Olympic Cool-Cap system complies with the requirements of IEC 60601-1-2 (2001).

## Product Disposal

Disposal of the Olympic Cool-Cap system does not require any special precautions. Dispose of according to your local disposal regulations.

The fluorescent light in the LCD display contains a small amount of mercury; consult your local requirements.