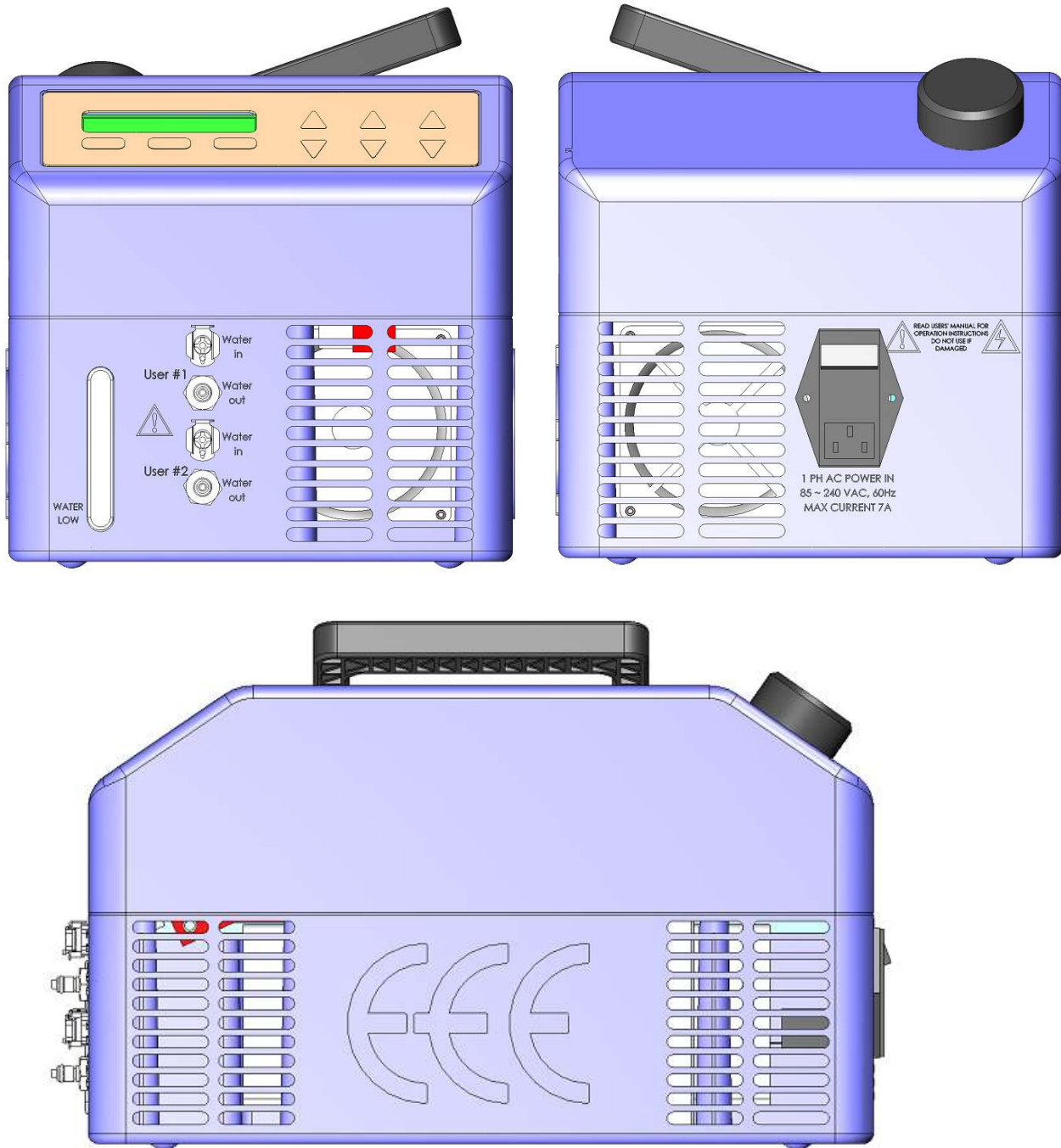


1. Introduction

Borea-202 is a compact 210w thermoelectric circulating water chiller. It has two powerful pumps to support two users sharing same temperature settings. Each pump delivers 3liter/min at 15psi pressure for **high pressure drop applications such as micro channel heatsinks**.

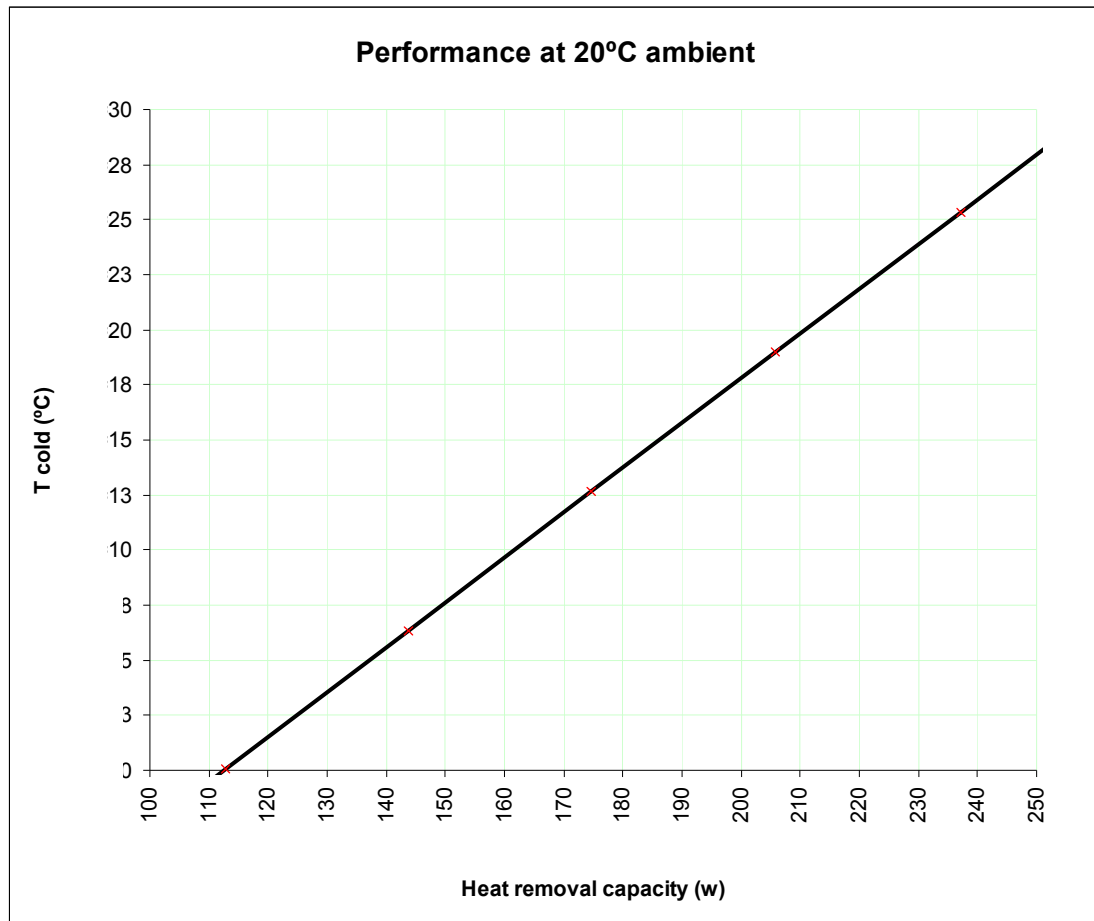
Borea-202 boasts 100w of cooling power in 25°C ambient when water set temperature is 4°C (40°F). It has a proprietary circulating system inside that enables fast cool down or heat up from one extreme to another in less than 3 minutes. And the reservoir holds >3L of liquid!





Borea-202 provides continuous adjustability for each pump's on/off cycle independently from continuously on to wide range of on/off cycles.

2. Performance

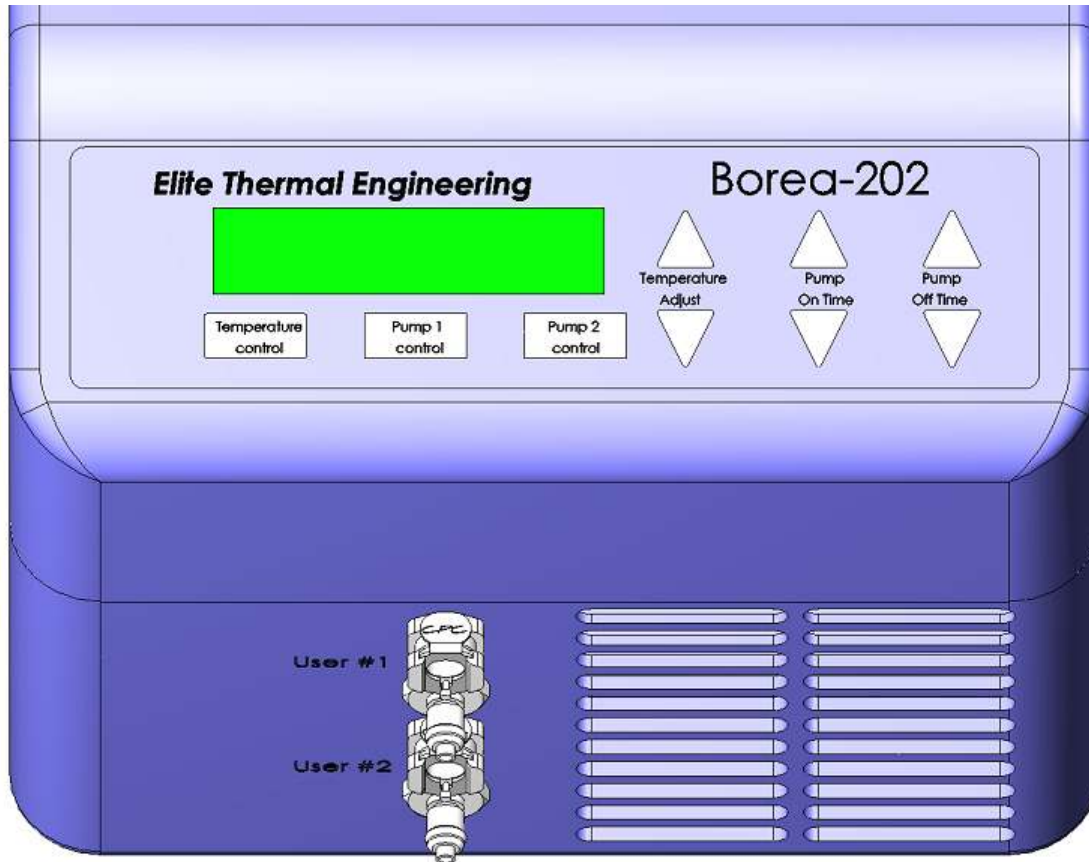


3. Outline dimensions and weight

Borea-202 is 14.7" long x 9" wide x 8.5" tall. It weight approximately 16 lbs.

4. User interface

Borea-202 provides intuitive friendly user interface, agronomical design, and easy handling. All user interfaces are conveniently located in the front of the unit. Only the AC power input is located on the back for user safety considerations.



Borea-202 has three selection buttons: Temperature control, pump 1 control and pump 2 control. Three pairs of adjusting buttons are provided for adjusting temperature, pump on time and pump off time. The LCD display displays the selections and the current settings.

Borea-202 has two pairs of wrap connections. Leak free quick disconnect fittings are used.

5. Quick users' guide

1. Default settings when power on:
 - a. Temperature set 22°C
 - b. Pump 1 and pump 2 are off
 - c. Display current temperature and set temperature

2. Selection and adjustment buttons:
 - a. Select 'Temperature control' to adjust temperature.
 - i. Press up arrow of 'Temperature Adjust' to increase temperature, down arrow to decrease temperature
 - ii. Press once to change temperature by 2°F. Press and hold for 3 seconds to adjust temperature by 2°F per second you hold down the button
 - b. **AFTER connected your wrap to user 1**, select 'Pump 1 Control' to turn on the pump
 - i. Press up arrow of 'Pump On Time' to increase pump on time, down arrow to decrease pump on time
 - ii. Press once to change time by 1 second. Press and hold for 3 seconds to adjust time by 1 second per second you hold down the button
 - iii. Both on time and off time adjustment range is 0-25 seconds
 - iv. **Press up arrow of 'Pump On Time' after 25 seconds will turn on the pump steady mode, regardless of the setting of 'pump off time'**
 - c. **AFTER connected your wrap to user 2**, select 'Pump 2 Control' to turn on the pump
 - i. Press up arrow of 'Pump On Time' to increase pump on time, down arrow to decrease pump on time
 - ii. Press once to change time by 1 second. Press and hold for 3 seconds to adjust time by 1 second per second you hold down the button
 - iii. Both on time and off time adjustment range is 0-25 seconds
 - iv. **Press up arrow of 'Pump On Time' after 25 seconds will turn on the pump steady mode, regardless of the setting of 'pump off time'**
3. The LCD display will display your selections and settings as you are making adjustments
4. **Borea-202** can support one or two users; **Borea-201** has one pump and supports one user.

5. Key specifications

| | |
|-------------------------------------|-------------------------------------|
| Outer dimensions | 14.5" long x 9" wide x 8.5" tall |
| # Of users simultaneously supported | 2 |
| User interface | LCD display and soft touch key pad |
| Wrap connections | Leak free quick disconnect fittings |
| Power input | Universal 85~240VAC |

| | |
|--|---|
| Maximum power consumption | <350w |
| Operating ambient temperature | 5-40°C non condensing |
| Storage temperature | -40 to 85°C |
| Operating and storage humidity | 5-85% non-condensing |
| Therapeutic operating temperature adjustment range | 4°C to 40°C (40°F to 104°F) |
| Maximum temperature adjustment range | 4°C to 55°C (40°F to 131°F) |
| Reliability MTBF (Mean time to failure) | 5 years (8 hours per day and 5 days per week) |
| Warranty | 18 months from date of purchase |

6. Contact us

For more information about **Borea-202/Borea-201** or feedback or technical support, please contact us at:

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