

THERMOCUBE II 650

New ThermoCube II model with 30% more capacity



650 Watts of cooling capacity

- Available with all the standard ThermoCube II options
- Same height and width as other ThermoCube models
- Variable Speed Fan and Auto Restart now standard
- Ideal for a wide variety of applications

The Right Temperature Without Fail

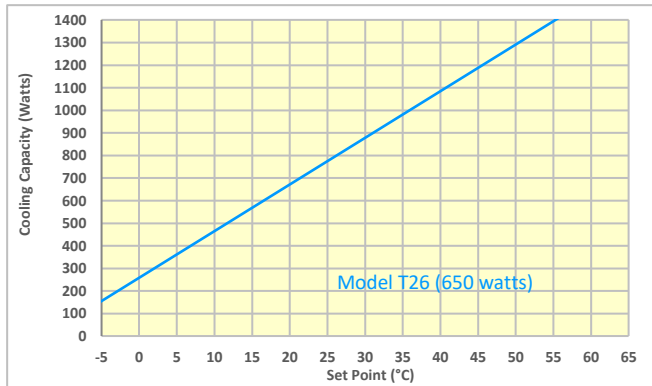


Only 1.5 inches deeper than other models

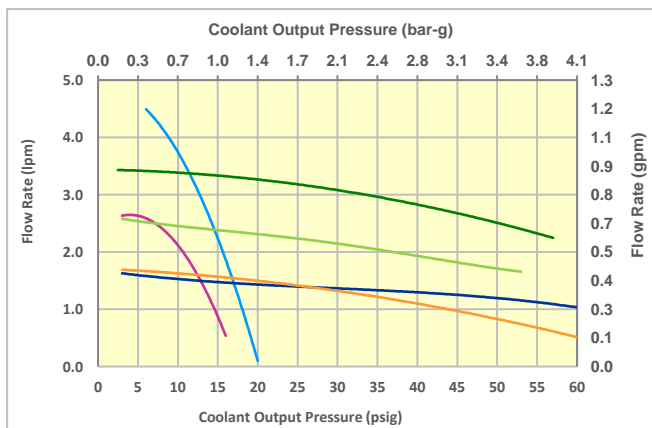
Even More Cooling Capacity

With over 34,000 units sold, ThermoCube is globally recognized for its compact size, ease of use, world class reliability. Utilizing thermoelectric technology, these recirculating chillers offer precise ($\pm 0.05^\circ\text{C}$) temperature control with no compressors or harmful refrigerants. ThermoCube II 650 uses the same design architecture as other ThermoCube II models with a redesigned power subsystem, more powerful controller, and additional software features. This new model provides 30% more cooling capacity than the prior highest capacity ThermoCube model. Communications options now include RS232, RS485 and Ethernet.

ThermoCube II 650 cooling capacity Performance measured at 20°C ambient temperature



ThermoCube II 650 pump curves



- 1D 1 lpm Diaphragm Pump
- 1C Centrifugal Pump
- 1CL Centrifugal Pump
- 1G 1 lpm Gear Pump
- 2G 2 lpm Gear Pump
- 3G 3 lpm Gear Pump

SPECIFICATIONS

| | |
|-------------------------|----------------------------------------------------------------------------------|
| Operating Range | 5°C to 50°C standard Down to -5°C with LT option Up to 65°C with HT option |
| Ambient Temperature | 10°C to 40°C non-condensing |
| Stability/Repeatability | $\pm 0.05^\circ\text{C}$ at constant load |
| Cooling Capacity | 650 watts @ 20°C (20°C ambient) with aluminum cold plate |
| Noise (a 1 meter) | <50 dBA at 50% load <63 dBA at 100% load |
| Process Fluid Fittings | 1/4" or 3/8", John Guest, CPC, APC, swage or FNPT |
| Pump Types | Centrifugal or Gear pumps |
| Pump Flow Rate | (see pump curves) |
| Tank Volume | 300 ml with level sensor |
| Wetted Materials | Aluminum, Copper or Stainless Steel cold plate with compatible materials |
| Size (L x W x H) | 14.5" x 11" x 13" (36 x 28 x 33 cm) |
| Weight | 33 lbs (15 kg) drained |
| Universal Power Input | 100-240 VAC, 50/60 Hz, |
| Communications | Keypad, RS232, RS485 or Ethernet |
| Alarms | Temperature, fluid level, system or component failure |
| Standards | TUV listed to UL, CAN/CSA and EN 61010-1, CE 61010-1, RoHS |
| Warranty | 2 years |

Solid State Cooling Systems