



# TCU 160 9 75



## ABOUT THE UNIT

ICS Cool Energy's rental Temperature Control Units (TCU) are designed to provide precise heating and temperature control of water. The TCU 160 ranges can heat a pressurised water circuits up to a maximum temperature of 160°C and features 9, 18, 36 and 72kW heating capacities each with a cooling heat exchanger capable of 75, 200, 200 and 200kW respectively.

These robust units have a closed system with an internal pump and when fed by an external cooling feed a heat exchanger allows precise temperature control once the water has been heated to the desired temperature. Temperature control is achieved by precise control of the heating element and cooling water through the heat exchanger by an integrated modulating bypass.

The TCU 160 boasts a C8 advanced touch screen controller with return temperature display, high control accuracy ( $\pm 1^\circ\text{C}$ ), 7 day timer function, heating profile (recipe) storage, flow monitoring and enhanced traceability protected by a user password. Each unit is fitted with a plug to allow rapid electrical connection.

## TECHNICAL

|  |                           |
|--|---------------------------|
| Physical dimensions (LxWxH) mm                   | 680 x 250 x 595           |
| Weight kg  | 50                        |
| Max. Permissible operating temp. °C              | 160                       |
| Process pump max. Flow rate l/min                | 60                        |
| Process pump max. Pressure bar                   | 5.5                       |
| Heating capacity / Cooling capacity kW           | 9/160                     |
| Cooling Water Temperature °C                     | 15                        |
| Required Cooling Water Pressure bar              | 3-4                       |
| Operating Voltage V/cyc./Ph                      | 400/50/3<br>without N     |
| Electrical Connection                            | 16amp 5pin Cee Forme Plug |
| Nominal Current A                                | 14                        |
| Heat Transfer Medium Connections (supply/return) | G½"                       |
| Cooling Water Connections (supply/return)        | G¼"                       |

## CONTACT

Bel ons op  
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