



# TCU 300 54 450



## ABOUT THE UNIT

ICS Cool Energy's rental Temperature Control Units (TCU) are designed to provide precise temperature control of heat transfer oils up to a maximum temperature of 300°C. The TCU 300 ranges features 9,36 and 54kW heating capacities each with a cooling heat exchanger capable of 275,450 and 450kW respectively.

These robust units have an open tank and internal pump and when fed by an external cooling feed a heat exchanger allows precise temperature control once the thermal transfer oil 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 via an integrated modulating bypass.

The TCU 300 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 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	1465 x 695 x 1720
Weight kg	410
Max. Permissible operating temp. °C	300
Pump Magnetic-Coupled Peripheral (Pump Option)	
Max. Flow Rate l/min	150
Max. Pressure m bar	6.9
Process pump max. Flow rate l/min (Centrifugal Pump)	200
Process pump max. Pressure bar	5.5
Heating capacity / Cooling capacity kW	54/450
Cooling Water Temperature °C	15
Required Cooling Water Pressure bar	3-4
Operating Voltage V/cyc./Ph	400/50/3 without N
Electrical Connection	125amp 5pin Cee Forme Plug
Protection Class	IP 54
Heat Exchanger 250 supply/return	R ¼"

## CONTACTEER ONS

Bel ons op  
088 258 258 0 of bezoek  
onze website  
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E&OE. Alle gegevens kunnen zonder  
voorafgaande kennisgeving worden  
gewijzigd en continu worden verbeterd.  
Apparatuur ontworpen volgens ISO 9001  
en alle relevante elektrische, druk- en  
mechanische richtlijnen.

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**THE TEMPERATURE CONTROL SPECIALISTS**  
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