

### Suitable Applications

- Pumped Open Vented Systems
- Sealed Systems
- District Heating Systems
- Educational Establishments
- Hospitals
- Care Homes
- Commercial Premises
- Processing Plant & Factories
- Swimming Pools & Leisure Centres



### Description

The Temporary Climate Solutions Ltd C600 cube is a bespoke-made unit designed to provide temporary heating and hot water solutions. It features a Remeha Gas Eco Boiler, known for its high efficiency and low NOx emissions, ensuring energy savings and reduced environmental impact.

The C600 cube is equipped with a Grundfos Magna 1 80-100F Pump, which is responsible for circulating the heating water within the system. The pump offers reliable performance and is known for its energy efficiency.

To ensure accurate temperature adjustment, the unit incorporates an Esbe VRG 131 Valve & Actuator. This valve and actuator combination allows for precise control of the water flow, helping to maintain the desired temperature levels.

One of the notable features of the C600 cube is its powerful heating capability despite its compact footprint. It is considered the most powerful temporary boiler for its size available in the market. This makes it suitable for various applications, including district heating, universities, hospitals, and other large-scale installations that require substantial heat output.

The unit comprises two gasketed plate heat exchangers (PHEX) to facilitate efficient heat transfer. The first heat exchanger is a 600 kW low-temperature hot water (LTHW) heating plate-to-plate exchanger, while the second is a 300 kW gasketed plate heat exchanger dedicated to domestic hot water (DHW) production.

The heating PHEX is equipped with DN80 3" camlock connections, allowing for quick and easy installation. Similarly, the DHW plate utilises 2" DN50 camlock connections, further simplifying the installation process.

The C600 cube is particularly well-suited for both planned and emergency situations. It can be employed in cases of heating or hot water system failures or replacements, providing a reliable and efficient temporary solution.

Handling Options	Hi-Ab, Crane Fork Lift
Dry Weight	Approx 1.5 Tonnes
Dimensions (L x W x H) (m)	1.75 x 3.2 x 2.0 W +0.3m for pipe conns (removable) H + Flue when in operation
Portability	Via Lifting equipment
<b>Electrical</b>	
Voltage	230v 1ph
Amps	32A
Recommended Supply Breaker	40A
Recommended Cable Size	6mm <sup>2</sup>
Supplied Electrical Connection	32a Commando
BMS/Controls	Remote Monitoring capability/EASYIOControls
<b>Water</b>	
Max Heating Pressure	7 Bar
Min Heating Pressure	0.8 Bar
Min. Flow Temp	30°C
Max. Flow Temp	90°C
Plate Heat Exchanger (LTHW)	600kW
Heating Connections	3" DN80Camlock
PRV Size	1" Boiler Safety Valve
Heating Fill Valve(mains)	½" Hose Connector
Plate Heat Exchanger (DHW)	300kW
DHW Connections	2" DN50 Camlock
<b>Gas</b>	
Gas Connections	DN50 XR2MEU Gas Tite + 20M GFS Pipe
NOx Weighted (Gross)	36mg/kWh