

# Thermal Performance Test Report



	Measured HTC <b>516</b> W/K	Measured HLP <b>2.0</b> W/m <sup>2</sup> K
Report Date <b>10 February 2023</b>	Unique Reference <b>58CF58C3-BF46-4438-8F6C-491CB1219AB2</b>	

**Prepared By** Mike Smith  
**Company Name** Energy Savers  
**Company Address** -

<b>Building Reference</b>		<b>Number of Occupants</b>	5
<b>Dwelling Type</b>	House / Bungalow	<b>Floor Area</b>	255.1 m <sup>2</sup>
<b>Attachment</b>	Detached	<b>Party Wall Area</b>	-
<b>Wall Type</b>	Cavity / Timber-framed / Other	<b>Design HTC</b>	-

<b>Main Heating Type</b>	Gas	<b>Additional Heating</b>	Yes
<b>Seasonal Efficiency</b>	93.1%	<b>On-site Renewables</b>	No
<b>Glazing Type</b>	Triple	<b>Windows Measured</b>	Yes
<b>Frame Type</b>	u-PVC	<b>Overshading</b>	Average

## Measurement Result

### Heat Transfer Coefficient

The thermal performance (HTC) and confidence interval (CI) during the measurement period.

**HTC** 516 W/K

**CI** [-66, +64] W/K

### Heat Loss Parameter

The normalised thermal performance by usable space (HLP = HTC divided by the floor area).

**HLP** 2.0 W/m<sup>2</sup>K

**HLP Rating** Average

Heat Loss Parameter Scale (Lower value equals less heat loss)		HLP (W/m <sup>2</sup> K)
0-1	Excellent	
1-2	Good	
2-3	Average	2.0
3+	Poor	

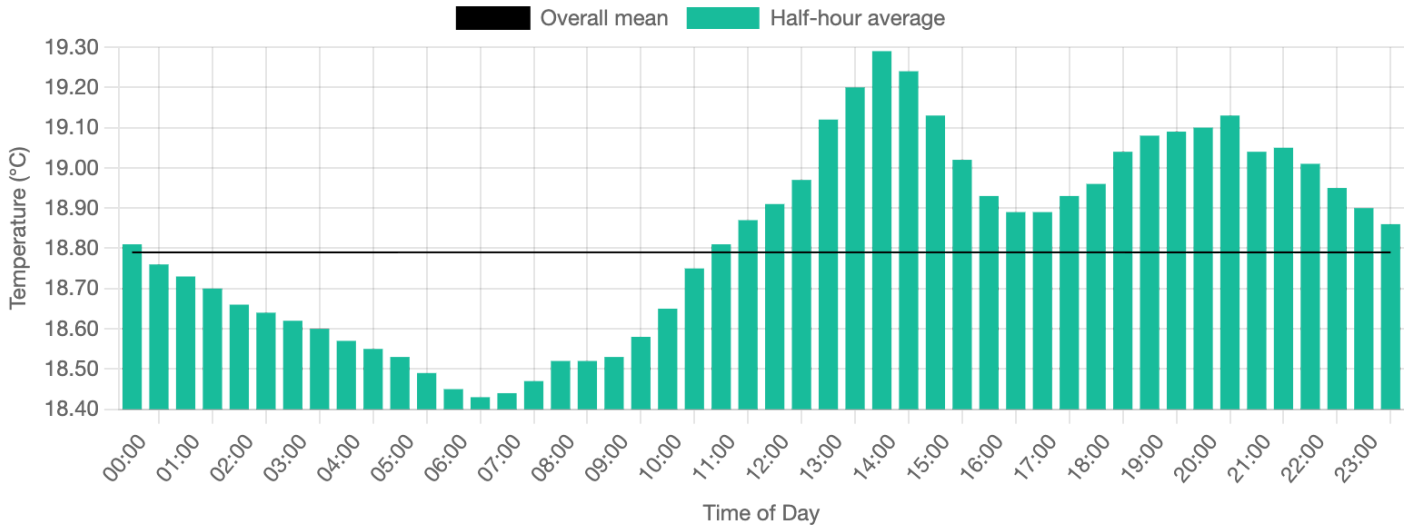
## Calculation Details

Measurement Start 17 January 2023 - 10:57  
Measurement End 07 February 2023 - 10:57  
Calculation Type Smart Meter Data

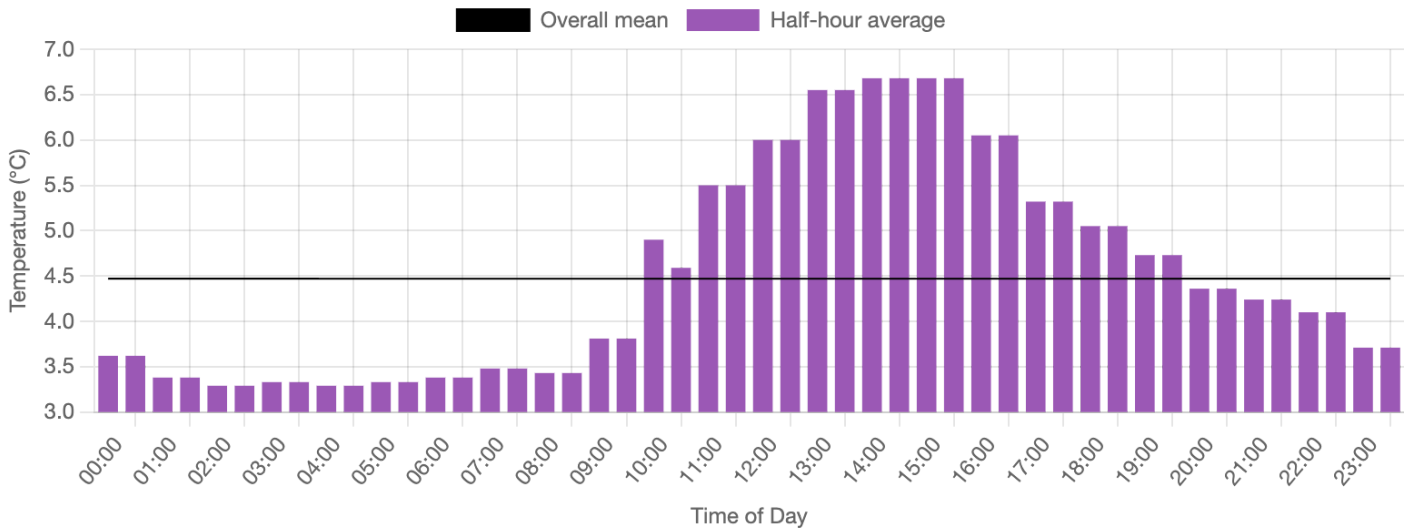
## Temperature Metrics

Mean Internal Temperature 18.8 °C  
Mean External Temperature 4.5 °C  
Mean Temperature Difference 14.3 °C

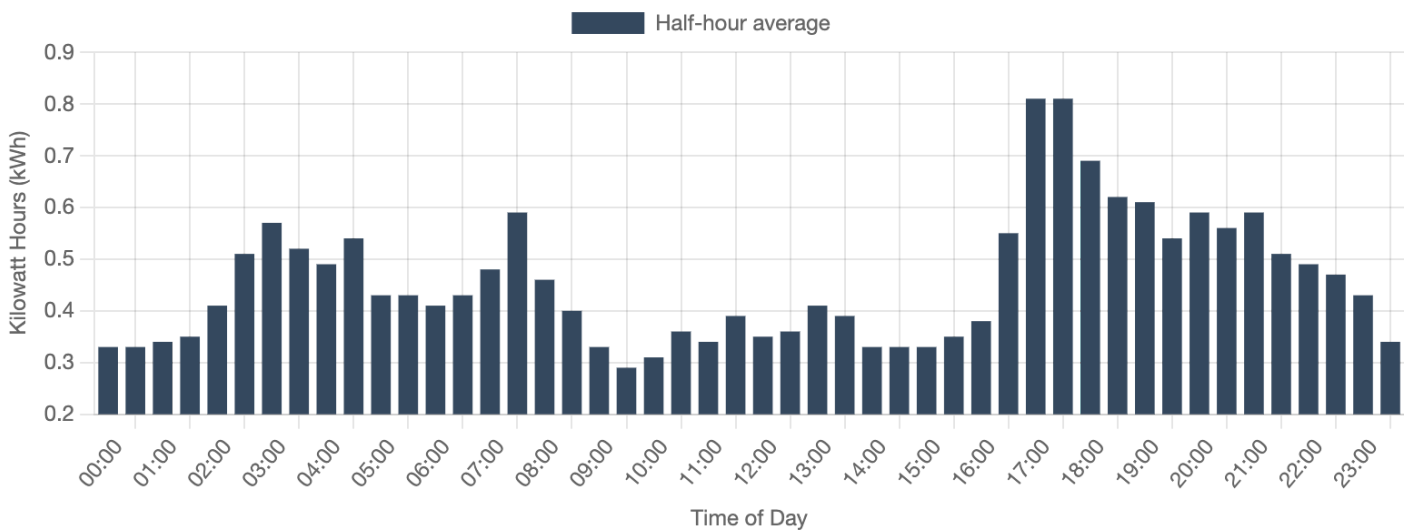
### Internal Temperature Daily Profile



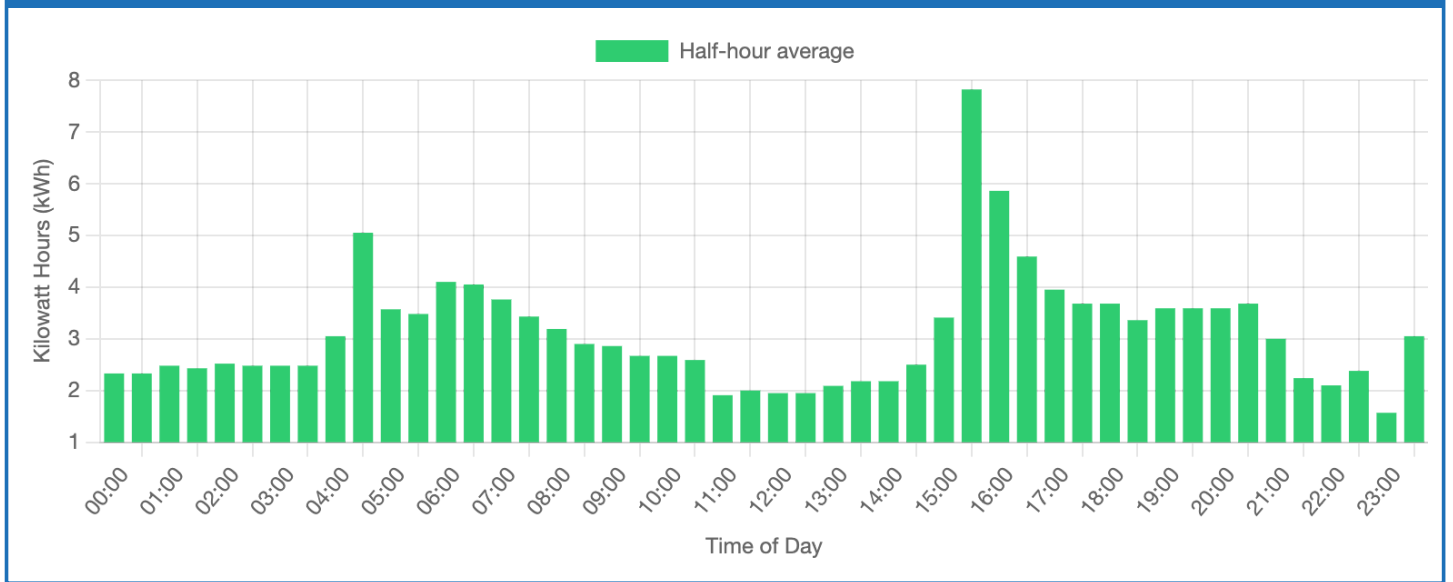
### External Temperature Daily Profile



### Electricity Consumption Daily Profile



## Gas Consumption Daily Profile



SmartHTC is a measurement of whole building heat loss (also known as a Heat Transfer Coefficient or HTC). It accounts for heat escaping through walls, floors, ceilings and windows as well as infiltration and ventilation losses. The HTC describes the rate of heat transfer from a building per degree of temperature difference between inside and out.



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