



Current Settings: 4th March 2023

HWTemp: 48 deg C
HWDrop: 8 deg C
HWTime: 90mins
NoHW: 30mins
HWSet: Normal

L Temp: 60
LFreq: 30 Days
Lstart: 13:00
LTime: 1hr
LKeep: 30

Z1 Mode: HHC
Z2 Mode: N/A
Hroom 1: 18 deg C
Hroom 2: N/A
Hflow 1: 50 deg C
Hflow 2: N/A
Croom 1: 20 deg C
Croom 2: N/A
Cflow 1: 15 deg C
Cflow 2: N/A

FSFlow 20 deg C
FSout 3 deg C

User Settings

Heating Mode: Weather
Compensation:
HW Temp set: 48deg

Notes:

The cylinder and other pumping equipment are in an unheated cellar

The unit has been serviced regularly and filters cleaned

There is glycol in the system

The FTC/5 reports a flow rate of 19 via the service menu

The weather compensation curve is set to 50 deg at -3 and 30 deg c at 20 deg c

In terms of the monitoring equipment - the temperature sensors are (at the moment) only cable tied to the pipes in the locations on the diagrams.

Room Name	Indoor Design Temp (°C)	Area (m²)	Power Heat Loss (W)	Room (M/m²)	Annual Energy Heat Loss (kWh)	Room (kWh/m²)	Annual Energy Consumption of Heat Pump (kWh)	Annual Heat Pump Running Cost (£)	Annual Heat Pump CO₂ Emissions (kg CO₂)
Lounge	21	17	1621	95.1	3529	207	962	125.31	497
Dining/Kitchen	20	25.9	2432	94	6183	239	1685	219.51	871
Hallway	19	8.3	615	74.3	2223	268	606	78.93	313
Bed 1	19	16.3	945	57.8	2549	156	695	90.51	359
Bed 2	19	13.9	1014	73.1	2696	194	735	95.72	380
Bed 3/Office	19	7.2	557	77.9	1774	248	483	62.97	250
Bathroom	21	8.6	645	75.1	1673	195	456	59.39	236
Attic bed	19	19.4	1287	66.4	3270	169	891	116.09	461
Attic Bath	20	5	349	70.6	911	184	248	32.34	128
Attic Landing	19	9.1	520	57.3	1535	169	418	54.49	216
Totals	19.6	131	9980	76.5	26343	202	7178	950	3711

Heat Loss Calculation: 9.9kw at -3 deg C