

outside temp	inside temp	time	LWT	RWT	Heat Delta T	flow rate min L/min	flow rate in kgs/sec	spec heat capacity of water	Heat Output	System constraint?	mean water temp	Av whole house temp	Radiator Delta T	m = flow rate in kgs/sec	Cp= specific heat capacity of water = 4.186 kj	Delta T = temp diff between supply and return water	Heat Out put theoretical potential KW	System constraint Heat Max output Kw
-2	-2	07:00	45	20	25	7	0.12	4.186	12.21	7.9	32.5	-2	34.5	0.116667	4.186	25	12.209	7.90
-2	-1	07:30	45	20	25	7	0.12	4.186	12.21	7.9	32.5	-1	33.5	0.116667	4.186	25	12.209	7.90
-2	0	08:00	45	21	24	7	0.12	4.186	11.72	7.9	33.0	0	33.0	0.116667	4.186	24	11.721	7.90
-2	1	08:30	45	21	24	7	0.12	4.186	11.72	7.9	33.0	1	32.0	0.116667	4.186	24	11.721	7.90
-2	2	09:00	45	22	23	7	0.12	4.186	11.23	7.9	33.5	2	31.5	0.116667	4.186	23	11.232	7.90
-2	3	09:30	45	22	23	7	0.12	4.186	11.23	7.9	33.5	3	30.5	0.116667	4.186	23	11.232	7.90
-2	4	10:00	45	23	22	7	0.12	4.186	10.74	7.9	34.0	4	30.0	0.116667	4.186	22	10.744	7.90
-2	5	10:30	45	24	21	7	0.12	4.186	10.26	7.9	34.5	5	29.5	0.116667	4.186	21	10.256	7.90
-2	6	11:00	45	25	20	7	0.12	4.186	9.77	7.9	35.0	6	29.0	0.116667	4.186	20	9.767	7.90
-2	7	11:30	45	26	19	7	0.12	4.186	9.28	7.9	35.5	7	28.5	0.116667	4.186	19	9.279	7.90
-2	8	12:00	45	27	18	7	0.12	4.186	8.79	7.9	36.0	8	28.0	0.116667	4.186	18	8.791	7.90
-2	9	12:30	45	28	17	7	0.12	4.186	8.30	7.9	36.5	9	27.5	0.116667	4.186	17	8.302	7.90
-2	10	13:00	45	29	16	7	0.12	4.186	7.81	7.9	37.0	10	27.0	0.116667	4.186	16	7.814	7.81
-2	11	13:30	45	30	15	7	0.12	4.186	7.33	7.9	37.5	11	26.5	0.116667	4.186	15	7.326	7.33
-2	12	14:00	45	31	14	7	0.12	4.186	6.84	7.9	38.0	12	26.0	0.116667	4.186	14	6.837	6.84
-2	13	14:30	45	32	13	7	0.12	4.186	6.35	7.9	38.5	13	25.5	0.116667	4.186	13	6.349	6.35
-2	14	15:00	45	33	12	9	0.15	4.186	7.53	7.53	39.0	14	25.0	0.15	4.186	12	7.535	7.53
-2	15	15:30	45	34	11	10	0.17	4.186	7.67	7.67	39.5	15	24.5	0.166667	4.186	11	7.674	7.67
<b>-2</b>	<b>16</b>	<b>16:00</b>	<b>45</b>	<b>35</b>	<b>10</b>	<b>7</b>	<b>0.12</b>	<b>4.186</b>	<b>4.88</b>	<b>4.88</b>	<b>40.0</b>	<b>16</b>	<b>24.0</b>	<b>0.116667</b>	<b>4.186</b>	<b>10</b>	<b>4.884</b>	<b>4.88</b>
-2	17	16:30	45	36	9	7	0.12	4.186	4.40	4.40	40.5	17	23.5	0.116667	4.186	9	4.395	4.40
-2	18	17:00	45	37	8	7	0.12	4.186	3.91	3.91	41.0	18	23.0	0.116667	4.186	8	3.907	3.91
-2	18	18:00	45	38	7	7	0.12	4.186	3.42	3.42	41.5	18	23.5	0.116667	4.186	7	3.419	3.42
-2	18	19:00	45	39	6	7	0.12	4.186	2.93	2.93	42.0	18	24.0	0.116667	4.186	6	2.930	2.93
-2	18	20:00	45	40	5	7	0.12	4.186	2.44	2.44	42.5	18	24.5	0.116667	4.186	5	2.442	2.44
-2	18	21:00	45	41	4	7	0.12	4.186	1.95	1.95	43.0	18	25.0	0.116667	4.186	4	1.953	1.95
-2	18	17:00	45	42	3	7	0.12	4.186	1.47	1.47	43.5	18	25.5	0.116667	5.186	3	1.815	1.82