

wraps your house in warmth

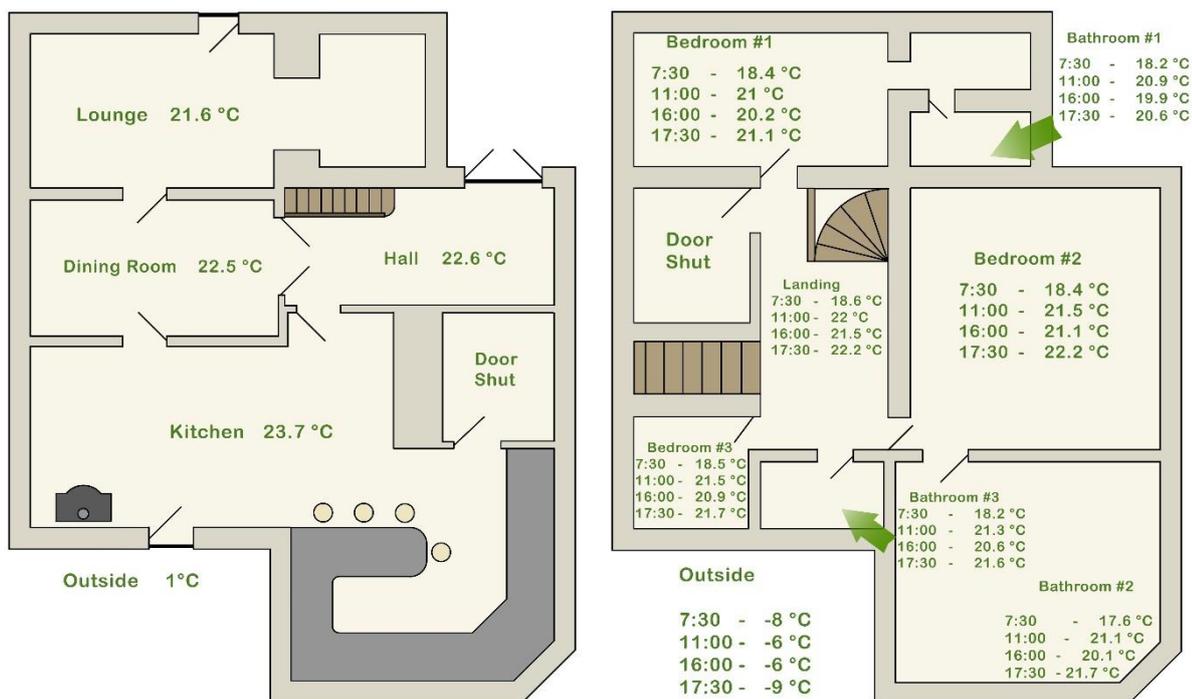
Ecco Stove 3 month evaluation

As part of our evidence in proving the capabilities of the Ecco Stove® we evaluated its performance over a 3 month period to establish its heating capabilities through a range of external temperatures and weather conditions and realistic lifestyle conditions.

Parameters:

The property in England used was a two level, poorly insulated, four bedroom stone built cottage 300 m² (. Thermometers were positioned throughout the house so that accurate temperatures could be measured from each room. At intervals throughout each day a temperature reading would be taken from outside, observation of weather conditions, Stove temperature (external), time, fuel load to be put in and the time. The Stove used was the E678 model.

The Results:



The results on the plan above from 19/10/10on the results table following. The Ecco Stove® E678 was positioned in the kitchen. External temperatures -6°C to -9°C with 7" of snow.

3 month evaluation | current as of April 2016

All information supplied by Ecco Stove™ is a trade mark of Landy Vent UK Limited
 Ecco Stove | Foster House | 2 Redditch Road, Studley, B80 7AX, United Kingdom

copyright©EccoStove2015

T | 1-800-436-3270 E | sales@eccostove.com W | www.eccostove.com
 Patent pending USA, Canada, Europe & Russia | UK Patent nos: 2467433 & 2498883

wraps your house in warmth

Date	Weather Outside	Stove Temp	outside Temp	Total 24hr fuel load	Time 24hr	Fuel load Kg/s	Kitchen	Hall	Dining	Lounge	Landing	Bed2	ensuite2	Bed3	Bath3	Bed1	Ensuite 1	Bed4	Office
sat4 12 10	grey	90	1	6	16:00	6	23	21.7	21.7	21.3	20.8	20	19.8	21.1	20.7	19.5	18.9	door shut	door shut
sun5 12 10	frosty	23	-1	5	06:15	5	24.2	23.5	23.1	22.9	22.4	21.6	21.5	22	21.6	20	19.2	door shut	door shut
mon6 12 10	frost/windy	30	-3	5	06:00	5	19.7	18.7	19.4	18.2	18.3	17.7	17.5	18.4	18	17.6	17.1	door shut	door shut
sun12 12 10	mild Frost	29	0		09:15	4												door shut	door shut
			1		10:40	2	22.5	20.2	21.5	20.9	21	20.7	20.4	21	12	20.6		door shut	door shut
			3	12	14:30	7	23.8	23.1	23.6	22	22.9	22.5	22	22.6	22.4	22	21.6	door shut	door shut
18 12 10	snowing	38.5	-7		07:00	5	21	20.2	20.1	19.9	19.5	18.5	18.1	19.4	19.2	19	18.8	door shut	door shut
	5'snow	89	-7		13:00	5	23.9	22.5	22.1	21.1	21.4	20.8	20.5	20.9	20.7	20.5	19.7	door shut	door shut
		95	-4		13:30	3.5												door shut	door shut
	7'snow	102	-4	19.5	17:00	6	24.3	22.9	23.5	22.4	22.8	22.6	22.3	22.9	22.6	21.9	21.5	door shut	door shut
19 12 10	7'snow	29	-9		07:15	3.5	19.4	19	19	18	18.6	18.4	17.6	18.5	18.2	18.4	18.2	door shut	door shut
	7'snow	76	-8		08:30	4.3	19.9	19.3	19.2	18.7	19	18.7	17.9	19.1	18.9	18.9	18.6	door shut	door shut
	7'snow	80	-6		11:00	4	23.2	22.4	22.4	21.6	22	21.5	21.1	21.6	21.3	21	20.9	door shut	door shut
	7'snow	104	-6		16:00	1.3	23.7	22.6	22.5	21.6	21.5	21.1	20.1	20.9	20.6	20.2	19.9	door shut	door shut
	7'snow	123	-9	17.1	17:30	4	24.1	22.9	22.7	22.5	22.2	22.2	21.7	21.7	21.6	21.1	20.6	door shut	door shut
27 12 10	thawing	80	1		08:30	3	24.1											door shut	door shut
			2		10:00	3.5	25	19	22	20	19.6	19.6	19.4	19.2	19.4	19.4	18.6	door shut	door shut
			3	8	13:30	1.5	25	28.5	22	20	20	20.2	19.6	18.8	18.3	18	19	door shut	door shut
28 12 10	thawing	40	1		08:00	3	22	19	21	20.20	19.5	19.5	18.6	18.4	18.1	18	17	door shut	door shut
		80	2		10:00	3	24	19.8	22	20	20	19.8	20	19	18.8	18	17.8	door shut	door shut
		80	3		00:00	5	24	19	21.5	19.5	20	19.7	20	18.9	18.2	18.3	17.4	door shut	door shut
		80	3		14:00	2	26.5	19	22	20	20.5	19.9	20	20	19.6	18.7	18	door shut	door shut
		100	4	15	16:00	2	27	19.8	23	21	21	21	20	20	19.2	18.7	18.1	door shut	door shut
29 12 10	thawing	50	5		08:15	4	22	19	22	20	20.5	20.2	21	19.6	19.2	18.6	18.6	door shut	door shut
		40	6		11:00	3	25.5	19.5	22	20	21	21.3	20.5	20.2	19.5	19.4	18.9	door shut	door shut
		100	6		14:00	2												door shut	door shut
		105	7	11	15:30	2	27	19.5	22.5	20.5	21.8	20.6	20.5	20.4	20.2	19.8	19.3	door shut	door shut
30 12 10	stove still in	60	5		08:30	2.5	24	20.5	23	20.5	22	21.6	22	20.5	20	20.5	20	door shut	door shut
	snow almost gone	70			09:20	2												door shut	door shut
		90	6.5		12:30	2	27	20.5	23	20.5	22	21.5	21	20.8	20.5	20.5	20.2	door shut	door shut
		80	5	10.5	18:15	4	26	20	23	20	22	20.8	21	20.8	20.9	20.6	20.5	door shut	door shut
31 12 10	stove still in	60	4		06:00	3.5	23	19.5	21	19.5	21	20	20	19.3	18.4	19.2	18.9	door shut	door shut
		80	5		09:10	5	26	20	22	20	21	20.3	20	19.8	19.4	19.5	19.2	door shut	door shut
		105	4	15.5	15:30	7	28	21	23	20.5	22	21.4	21	20.6	20.5	20.2	19.6	door shut	door shut
2 1 11		70	0		07:00	4	23	19	22	20	21	20.5	20	19.1	18.6	19	18.6	door shut	door shut
		105	1		09:00	4	25	19.5	23	20.5	21.5	21.5	20	19.6	19.4	19.2	18.9	door shut	door shut
		110	2		11:00	0	27	19	23	20.5	22	22	21	19.7	19.2	19.3	18.9		19.5
		110	2		14:00	2													
		130	2	10	12:30	0	28	21.4	24	20.5	22	22.5	21	20	19.6	19.5	19.3	19.4	20
3 1 11		65	0		8.3	3	24	19.5	21	19	20.5	20.5	19.5	18.7	18.5	18.6	18.4	18.5	19.1
		80	0		10.3	3													
		85	0		11.3	1.5													
		90	0		13:30	2													
		105	0		14:30	0	25	20	22	19.5	20	20.5	19.5	18.6	18.2	18.2	18	18.2	18.6
		110	0	13.5	16:30	4	26	19.4	22	19	20	22.5	19.2	19	18.7	18.2	18	18.2	18.6
8 1 11	cold wind	60	6.5		07:30	3	24	19.5	22.5	20	22	21	20.5	20	19.4	20	19.5	20	20.2
	cold wind	80	5		10:15	4	26	20	23	20	21.5	22	21	20.8	20.2	20	19.8	20.2	20.4
	cold wind				10:30	2													
	cold wind		4		12:30	4													
	cold wind	105	4		15:30	4	29	20.5	24	20.5	22	23	22	20.5	20.2	20	19.6	20	20.4
	cold wind	105	3.5		16:30	2													
	cold wind	110	2		18:00	2	28.5	20.5	24	20	22	23	22	21	20.5	20.5	20	20.5	21
	cold wind	110	2		19:30	2	29	21	24.5	21	22	24	22	21	19.5	20	19.5	19.5	20.5
	cold wind	110	1	24	21:20	2	29	20	24	21	22	24	22	21	19.5	20	19.5	19.5	20.5
9 1 11	cold wind	80	0		10:00	5	25	18	22	19	21	22	21	19.5	19	19	18.5	19.5	20
	cold wind	115	3.5		13:30	4													
	cold wind	120	3		15:00	3	28	19	24	20	22	22	21	19.8	19	19.5	19	20	20.5
	cold wind	120	2		16:00	2	29	19.5	24	20	22	23	21	20	19	20	19	20.5	21
	freezing	130	-1	17	19:00	3	31	21	26	21	23.5	24	22	21	20	21	20	21	21.5

3 month evaluation | current as of April 2016

All information supplied by **Ecco Stove™** is a trade mark of Landy Vent UK Limited
Ecco Stove | Foster House | 2 Redditch Road, Studley, B80 7AX, United Kingdom

copyright©EccoStove2015

wraps your house in warmth

On the results table on the previous page the separate days have been highlighted so that it is easy to read. Taking another example on the 12/12/10 there was a mild frost outside with external temperatures between 0°C to 3°C. The stove was loaded three times through the day with a total of 12kgs of wood logs. The average temperatures were between 20°C and 23°C throughout the house (with the exception to Bedroom 4 and the Office which had the doors shut).

On days when someone was in the home the stove was loaded more often with temperatures throughout the house of between 18°C and 24°C. When the house was left for longer periods the temperatures were still between 17°C and 20°C.

Conclusion:

The Ecco Stove® was fired at various times through the day and evening and with various fuel loads but still produced a balanced heat through the home without overheating any particular room or allowing any to fall below 17°C.

The whole house was heated throughout a 37 day test for an aggregate of 646kg of wood costing £27.13. Hot water and cooking alone during this time had cost £81.45 alone using Oil & immersion heater (plus additional cost of electricity which is unknown).

Money saved:

The oil cost for heating the home would have been approximately £705.38 based on a 26 week national heating cycle giving a saving in fuel of £571.78 (Based on £133.60 wood cost for 26 weeks). For this particular property though the heating cycle is 36 weeks (3rd week sept to 2nd week June) so oil would have cost £976.68 and wood fuel cost of £184.98 saving £791.70 per annum meaning the stove would pay for itself in 5.5 years.

Services:

If you would like a heat plan put together for your home showing the suggested temperatures you can find in each room you can send us a floor plan and we can put this together FOC.

Should you wish to arrange a site survey please call us on +44 1527 857814 email us at sales@eccostove.com or contact your local Ecco Stove® dealer if known.

We have a range of stoves available to suite most properties:

E580	140m ² area (2 bedroom home typically)
E678	240m ² area (3 - 4 bedroom home typically)
E730	260m ² area (4 bedroom home typically)
E850	280m ² area (5 bedroom home typically)

The stoves have greater capacity often than those listed but in an effort to cover all eventualities and environments we have given them a lower rating. A well-insulated property for example would likely get a greater heat coverage with low fuel requirements.

3 month evaluation | current as of April 2016

All information supplied by Ecco Stove™ is a trade mark of Landy Vent UK Limited
Ecco Stove | Foster House | 2 Redditch Road, Studley, B80 7AX, United Kingdom

copyright©EccoStove2015

T | 1-800-436-3270 E | sales@eccostove.com W | www.eccostove.com
Patent pending USA, Canada, Europe & Russia | UK Patent nos: 2467433 & 2498883