Ecco mini Temp Tests
Rose Cottage

Date	Weather Outside	Stove temp	outside temp	Total 24hr fuel load	Time am	Timepm	Fuel load Kg,s	Kitchen	Hall	Dining	Lounge	Landing	Bed2	ensuite2	Bed3	Bath3	Bed1	Ensuite 1	Bed 4	Office	Total test days	Oil used over test	oil bought at.45p/litre
sat4 12 10	grey	90	1	6		4	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	6.15		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	6		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		9.15		4												door shut	door shut			
			1		10.4		2	22.5	20.2	21.5	20.9	21	20.7	20.4	21	12	20.6		door shut	door shut			
			3	12		2.3	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	-4		7		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	-4			1	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			1.5	3.5												door shut	door shut			
	7"snow	102	-4	19.5		5	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		7.15		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		8.3		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		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			4	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		5.3	4	241	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		8.3		3	24.1											door shut	door shut			
			2		10		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		1.3	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		8		3	22	19	21	2020	19.5	19.5	18.6	18.4	18.1	18	17	door shut	door shut			
		80	2		10		3	24	19.8	22	20	20	19.8	20	19	18.8	18	17.8	door shut	door shut			
		80	3		12		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			2	2	26.5	19	22	20	20.5	19.9	20	20	19.6	18.7	18	door shut	door shut			
		100	4	15		4	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		8.15		4	22	19	22	20	20.5	20.2	21	19.6	19.3	19.2	18.6	door shut	door shut			
		40	6		11		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			2	2												door shut	door shut			
		105	7	11		3.3	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		8.3		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			9.2		2												door shut	door shut			
		90	6.5			12.3	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		6.15	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		6		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		9.1		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		3.3	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		7		4	23	19	22	20	21	29.5	20	19.1	18.6	19	18.6	door shut	door shut			
		105	1		9		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		0	27	19	23	20.5	22	22	21	19.7	19.2	19.3	18.9	18.9	19.5			
		110	2		11.3		2																
		130	2	10		12.3	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			1.3	2																
		105	0			2.3	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		4	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		7.3		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				10.3		2																
	cold wind		4			12.3	4																
	cold wind	105	4			3.3	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			4.3	2																

	cold wind	110	2		6	2	28.5	20.5	24	20	22	23	22	21	20.5	20.5	20	20.5	21	
	cold wind	110	2		7.3	2	29	21	24.5	21	22	24	22	21	19.5	20	19.5	19.5	20.5	
	cold wind	110	1	24	9.2	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	5	25	18	22	19	21	22	21	19.5	19	19	18.5	19.5	20	
	cold wind	115	3.5		1.3	4														
	cold wind	120	3		3	3	28	19	24	20	22	22	21	19.8	19	19.5	19	20	20.5	
	cold wind	120	2		4	2	29	19.5	24	20	22	23	21	20	19	20	19	20.5	21	
	freezing	130	-1	17	7	3	31	21	26	21	23.5	24	22	21	20	21	20	21	21.5	

Total wood used over test period 189.1 on 15 recorded days so average 12.6 Kg per day x test period of days 37x12.6equates to466Kg over 37 notional days, at £42 per tonne = .o42 p per Kg 37

Total wood cost over test period £27.13 HOWEVER:fuel in un recorded quantities has been adden at night when temps havent been recordede,g.going to bed,so allow an extra 5 Kg fo overnight burning=36x5kg=180 Kg extra over to a total overall of 466 and 180=646Kg@£42 tonne=£27.13

Oil usage for cooking and domestic hot water(in conjunction with electric immersion heater) has been 181 £81.45

CONCLUSION The ecco stove has heated the whole house for 37 days for an aggregate 646Kg wood costing £27.13,whereas the hot water and cooking alone over the same period has cost £81.45 plus cost of electricity(unknown).
The Ecco stove has done a far bigger job in heating the whole house costing only 33%of heating hot water and cooking.
Imagine the cost saving if you took the cost of heating the whole house and water and cooking by oil alone.
Since june when we bought the current fill of oil,oil has risen to.69p per litre(purchased by a neighbour filling up just before Xmas).

Floor plan of house is ground floor @ 7928 cu ft and top floor @ 7432 cu ft. Total = 15360 cu ft.