

Energy Management Audit Sheet Catex 2009

Description Of Saving	€ Value	Action By/ Comment
Storage Area		
<i>Cold Room</i> - Install heat exchanger, reduces electrical load	400	
- Recover rejected heat & heat water to 60'C	150	
<i>Single Door Fridge</i> - Swap existing old fridge for new energy efficient one (25% less to run p/a)	220	
Preparation Area		
<i>Wash Hand basins</i> - Fit knee or sensor activated wash hand basin	90	
Uses up to 80% less hot water		
<i>Spray Hose</i> - Replace existing hot and cold taps with spray hose that uses 25% less water and does not use any hot water	185	
Cooking Area		
<i>Induction Cooking</i> - swap existing 2 plate electric top for 2 plate induction top (90% efficient, only uses power when pan is on hob)	1303	
<i>Gas Burner</i> - swap existing 4 burner hob for pan activated one (only uses full gas power when pan in place)	575	
<i>Accelerated cooking</i> - swap existing pannini for accelerated cooking oven, 92% energy efficient. Reduces energy consumption by 55%	1700	
<i>Fryer</i> - Swap old fryer for new one which has an inbuilt oil filtration system, extends oil life by 35%	1910	
<i>Combi Oven / Banqueting System</i> - Use a combi oven to replace multiple pieces of equipment. Reduces cooking time (15%) Reduces energy consumption (60%)	1900	
<i>Salamander</i> - swap existing electric salamander for sensor activated one that is plate activated (50% energy saving for a 10 hour day)	1015	
Servery Area		
<i>Water Boiler</i> - Swap old water boiler for new one with energy saving features (improved insulation, up to 40% more efficient)	100	
Dishwash Area		
<i>Dishwasher</i> - replace old dishwasher with newer energy efficient model (uses less water & detergent per cycle, improved insulation)	330	
Waste Area		
<i>Grease Trap</i> - Fit a grease trap in areas where grease can be produced (combi ovens, pot wash sinks). It can cost between 700 and 150000 euro to unblock grease caked drains		
<i>Compost</i> - If space allows, compost your waste, saves bin charges	450	
General		
<i>Ventilation</i> - fit a heat recovery system to heat air or preheat water	5045	
Total € Savings Per Annum	15373	
Note: These figures exclude savings from reduced water use (water metering will happen!) and labour savings		
Carried Out By:		
Date:		



Equipment Energy Cost Calculator

Equipment	Combi Oven	Combi Oven	2 Plate Hob	2 Plate Induction
Energy Source	Electricity	Gas	Electric	Electric
Max Rated Power Consumption Kwh	20	40	8	10
No. Of Hours per day in use	15	14	11	11
No. Of Days per annum in use	363	363	363	363
% Time Equipment At Max Output	50%	50%	75%	75%
Unit Cost Of Energy €	0.145	0.045	0.145	0.145
Reduction In Consumption *	100%	100%	100%	50%
Daily Cost Of Using Equipment €	22	13	10	6
Annual Cost Of Using Equipment €	7895	4574	3474	2171
Annual Saving €		3321		1303

* Reduced by approximately 50% due to induction only using energy when pan is on hob