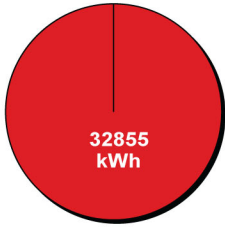


Greener Efficient Energy Savings and Lower Costs

Based on independant Case Study - Based on 2 ERU's

1 Supply & Extract Fans: No Heat Recovery

Energy Consumption kWh



Carbon Usage

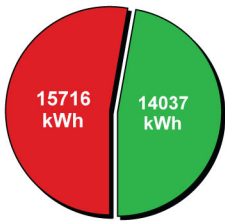


Running Cost

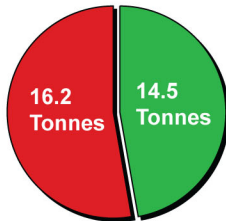


2 Supply & Extract : Medium Efficiency Heat Recovery Units: 50% to 70%

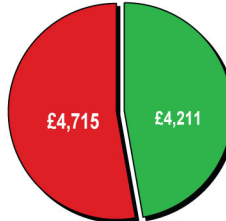
Energy Consumption kWh



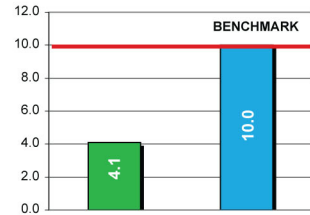
Carbon Usage/Savings



Running Cost/Savings

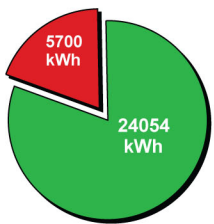


Pay Back (Years)

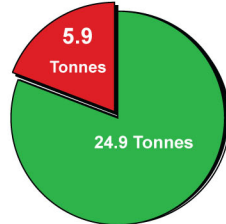


3 Supply & Extract : High Efficiency Heat Recovery Units: 85% to 95%

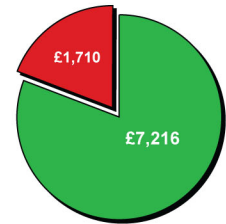
Energy Consumption kWh



Carbon Usage/Savings



Running Cost/Savings



Pay Back (Years)



Energy Consumption, Carbon Usage/Savings and Running Costs stated are "per annum"

High Efficiency Unit has CO₂ "on demand" controls built-in.

Illustration based on:

- 8 l/s per person ventilation rate
- 10 hours per day running time
- 41 Weeks per year (39 weeks term time plus some extra curricular activities)
- 15 pence per kWh Electrical Energy Cost (See Note A)
- 0.45 Datum Running Factor for Supplementary heating - NO Heat Recovery case
- 2 ERU Units



Based on assumed 8% annual rises in energy costs. Cost for electricity taken at 12p/ kWh (datum as at 2012). Assumed Average cost over payback period.