



The following information is needed for SBEM Assessment

- **Primary Heating and Hot Water Systems** – Efficiency of boiler, storage capacity of HW cylinder, storage losses (MJ/month)
- Any **Cooling Systems** – Type of System, Cooling Load (Kw)
- **Ventilation systems**, natural/mechanical, loads, manufacturer references (Specific Fan Power, duct and Air Handling Units Airtightness also required)
SFP = W/l/s – We can assumed a default of 1.5 if this is unknown)
- In all of the above **HVAC systems**, clarification should be made to which areas all of the above apply and if there are different systems for different areas of the building
- **Lighting Design** – ALL types of light fitting used are needed, Best information would be to get the illuminance (Lux in each area/room) and the total wattage of the lighting system/s
- **Orientation of Building**
- **Lighting Controls** - Any photocell controls / occupancy sensing present?
- **Air permeability** target to aim for?
- Any solar Hot Water/Photovoltaic/wind turbines – or any renewable technologies present?
- Is there any Building Energy Management System (**BEMS**) present?
- **Design U-Values** – construction details for all walls, floors, roof types
- **Windows** – double, triple glazed? Air filled / argon filled – cavity width / Frame material
Upvc, wood, metal?
- Please define the “**Activity**” in each zone of the building
- Any other information relevant to Energy Performance