Energy Performance Certificate for buildings other than dwellings

Energy Performance Certificate

Building Energy Performance — Scotland

Calculated asset rating using iSBEM v4.1.d [SBEM]	Building type: General Industrial and Special Industrial Groups	Current rating

	Carbon Neutral	**Excellent**
	A (0 to 15)	
	B (16 to 30)	
	C (31 to 45)	**C**
	D (46 to 60)	
	E (61 to 80)	
	F (81 to 100)	
	G (100+)	**Very Poor**

Carbon Dioxide Emissions The number refers to the calculated carbon dioxide emissions in terms of kg per m² of floor area per year	**43**
Approximate current energy use per m² of floor area:	**102** kWh/m²

Main heating fuel:	Natural Gas	**Building Services:**	Heating with Nat. Vent.
Renewable energy source:	None	**Electricity:**	Grid supplied

Carbon Dioxide is a greenhouse gas which contributes to climate change.
Less Carbon Dioxide emissions from buildings helps the environment.

Benchmarks

A building of this type built to building regulations standards current at the date of issue of this certificate would have a rating:	**24**	**B**
Where the accompanying recommendations for the cost effective improvement of energy performance are applied, this building would have a rating:	**32**	**C+**

Recommendations for the cost-effective improvement (lower cost measures) of the energy performance

1. Consider replacing T8 lamps with retrofit T5 conversion kit.
2. Consider draught lobby or draught strips to minimise air movement from industrial process zones to external environment.
3. Electrical resistance heating has a high energy demand leading to high running costs. Consider installing in the office area a more energy efficient form of heat such as air source heat pumps or moder condensing boiler with appropriate controls.
4. Add weather compensation controls to heating system.
5. Consider installing solar water heating.
6. Consider installing an air source heat pump.

Address: Unit 2, Pitreavie Drive, Pitreavie Bus. Park, Dunfermline, KY11 8PU
Conditioned area (m²): 1866
Name of protocol organisation: Elmhurst Energy Systems, [EES/008702]
Date of issue of certificate: 18 Jul 2012 (Valid for a period not exceeding 10 years)

This certificate is a requirement of EU Directive 2002/91/EC on the energy performance of buildings.

NB THIS CERTIFICATE MUST BE AFFIXED TO THE BUILDING AND NOT REMOVED UNLESS REPLACED WITH AN UPDATED VERSION AND FOR PUBLIC BUILDINGS DISPLAYED IN A PROMINENT PLACE