

London Office
EC3M 5JE

Date 6th Jan 2026

Project London Office Project no. 33
 Engineer KAL Checked by Date checked
 File C:\Users\khalid\Documents\Hevacomp Projects\Crawford London Office\General\General\Hevacomp DDB\

Rooms included Room 04 selected
 Heating system Heating only (wet system)
 Recirculation -
 System resistance -
 Fan efficiency -
 Duct gains -
 Heating controls Intermittently heated, fixed time start, One stat/room unshaded
 Supply air temp. -
 Air changes -
 Plant capacity Plant ratio 1.2, boiler efficiency 70 %, transport factor 40
 Heating fuel Gas, cost for heating 6 p/kWhr
 Electricity Cost for pumps and fans 27 p/kWhr, lighting 27 p/kWhr
 Heat losses Resultant temperatures, Complex heat loss model
 HWS demand 4 l/person/day at 40 °C

Plant operation and load factors (%)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Season	Win	Win	Win	Win	-	-	-	-	-	Win	Win	Win
Plant ON/OFF	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
Lighting (%)	100	100	100	100	90	90	75	90	90	100	100	100
People (%)	100	100	100	100	90	90	90	90	90	100	100	100
Machines (%)	100	100	100	100	100	100	100	100	100	100	100	100

	Annual building energy (GJ)				Annual plant energy (GJ)				Annual cost (pounds)			
Heating	89.96				128.52				2,142			
HWS	13.1				18.71				312			
Pumps					7.4				555			
Fans					0				0			
Lighting	185.57				185.57				13,918			
								Total cost	16,926			

Energy (GJ)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Lighting	15.4644	15.4644	15.4644	15.4644	13.9179	13.9179	11.5983	13.9179	13.9179	15.4644	15.4644	15.4644
Fans	0	0	0	0	0	0	0	0	0	0	0	0
Pumps	1.0574	1.0574	1.0574	1.0574	0	0	0	0	0	1.0574	1.0574	1.0574
HWS	1.6269	1.6269	1.6269	1.6269	1.4642	1.4642	1.4642	1.4642	1.4642	1.6269	1.6269	1.6269
Heating	29.8788	26.1513	17.6709	5.0261	0	0	0	0	0	5.24	17.8546	26.6954