

John Grant
Dromin Rd
Nenagh

House owner
built in 1973

WHATS NEXT
????

DATE OF CONSTRUCTION

Meter readings

BER RATING

FIRE STOVE

WINDOW
& DOORS

BER
RATING

INSULATION

What do I
NEED TO
DO ?

BER
RATING

THERMO
GRAPHICS

VALUE FOR
MONEY

HEATING UPGRADE

Building Energy Rating (BER)

BER for the building detailed below is:

F

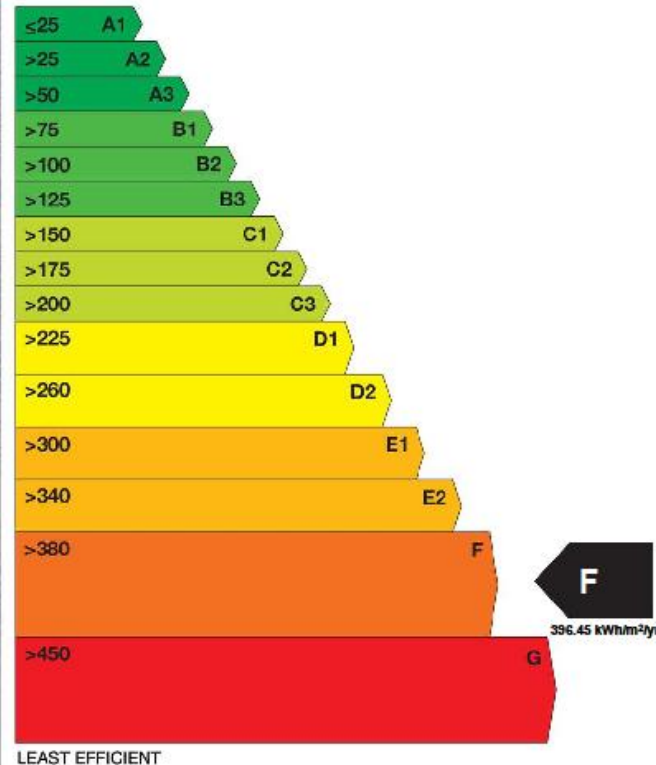
Address
DROMIN ROAD
NENAGH
CO. TIPPERARY

BER Number 101506301
Date of Issue 09/02/2010
Valid Until 09/02/2020
Assessor Number 101684
Assessor Company No 101684

The Building Energy Rating (BER) is an indication of the energy performance of this dwelling. It covers energy use for space heating, water heating, ventilation and lighting, calculated on the basis of standard occupancy. It is expressed as primary energy use per unit floor area per year (kWh/m²/yr).

'A' rated properties are the most energy efficient and will tend to have the lowest energy bills.

Building Energy Rating
kWh/m²/yr
MOST EFFICIENT



Carbon Dioxide (CO₂)
Emissions Indicator
kgCO₂/m²/yr

BEST
0

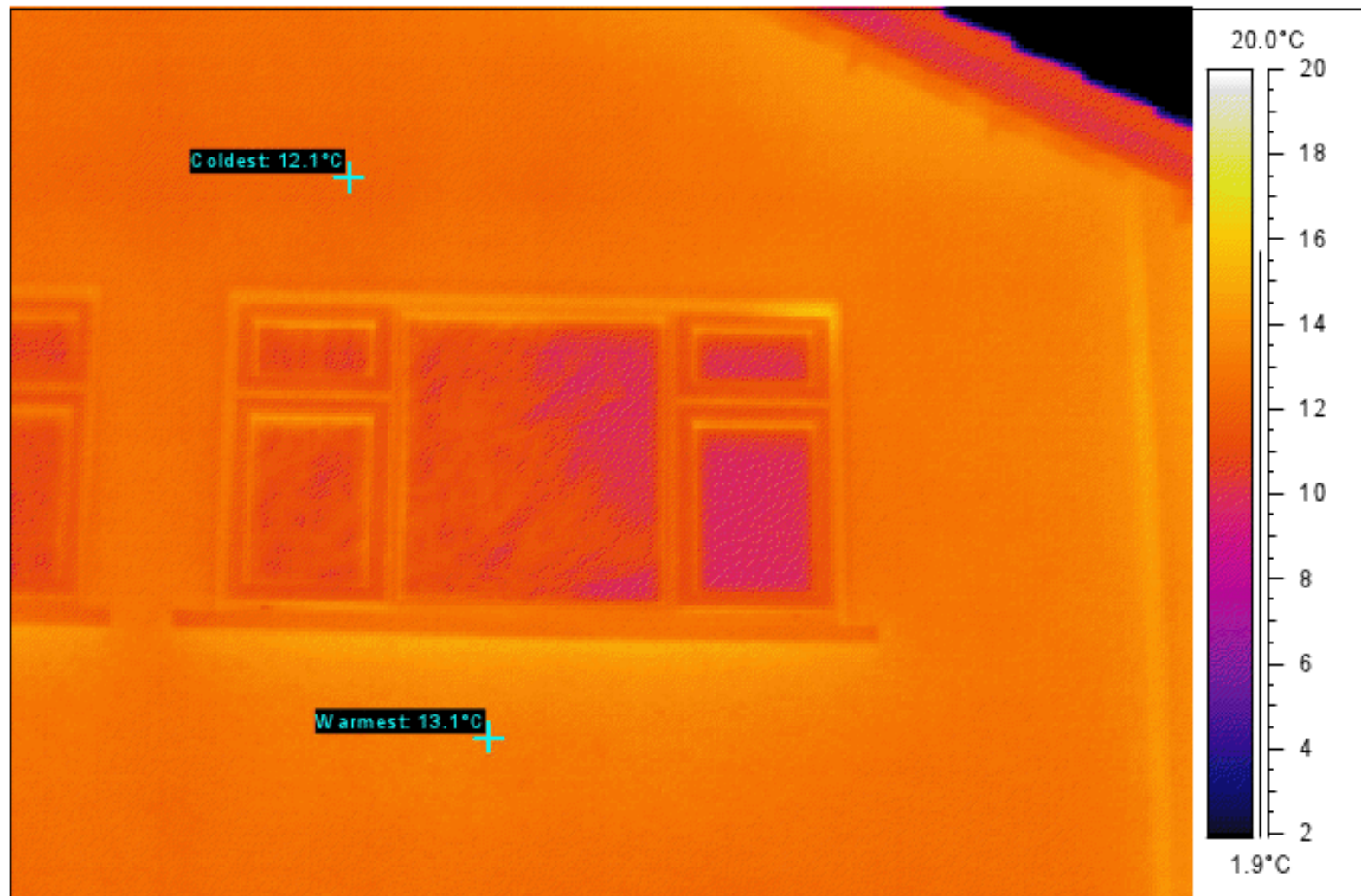
Calculated
annual CO₂
emissions
103.4 kgCO₂/m²/yr

WORST
>120

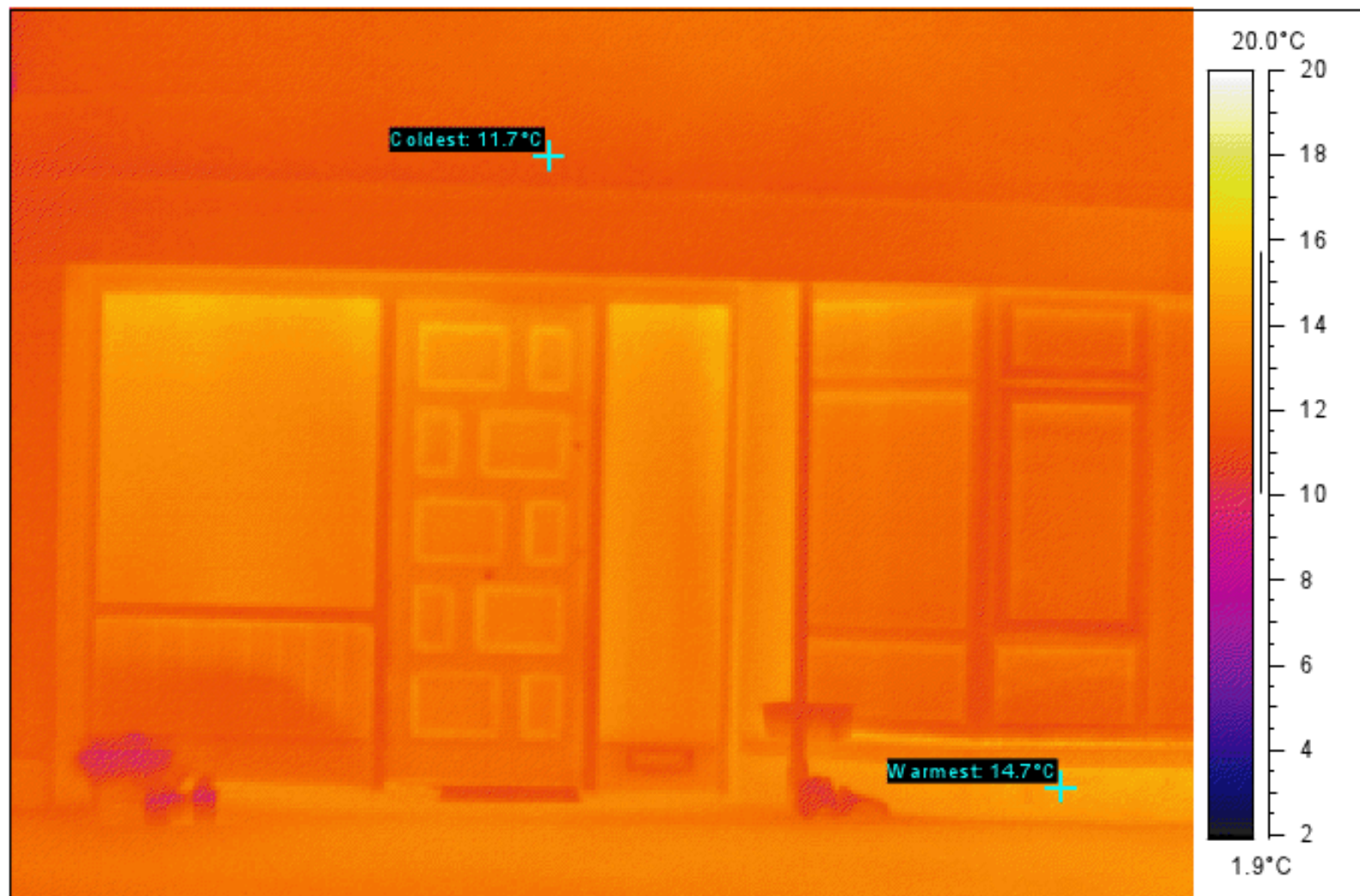
The less CO₂ produced,
the less the dwelling
contributes to global
warming.

IMPORTANT: This BER is calculated on the basis of data provided to and by the BER Assessor, and using the version of the assessment software quoted above. A future BER assigned to this dwelling may be different, as a result of changes to the dwelling or to the assessment software.

IR Image



IR Image



Building Energy Rating (BER)

BER for the building detailed below is: **C1**

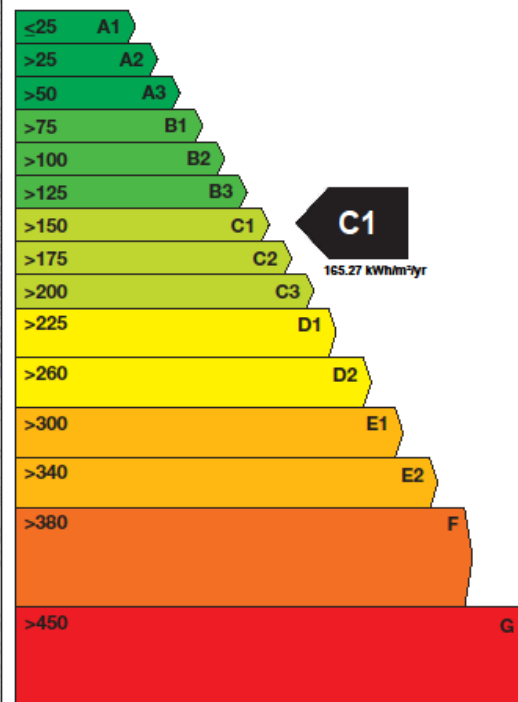
Address DROMIN ROAD
NENAGH
CO. TIPPERARY

BER Number 101506301
Date of Issue 19/05/2010
Valid Until 19/05/2020
Assessor Number 101684
Assessor Company No 101684

The Building Energy Rating (BER) is an indication of the energy performance of this dwelling. It covers energy use for space heating, water heating, ventilation and lighting, calculated on the basis of standard occupancy. It is expressed as primary energy use per unit floor area per year (kWh/m²/yr).

'A' rated properties are the most energy efficient and will tend to have the lowest energy bills.

Building Energy Rating
kWh/m²/yr
MOST EFFICIENT



LEAST EFFICIENT

Carbon Dioxide (CO₂)
Emissions Indicator
kgCO₂/m²/yr

BEST
0

Calculated
annual CO₂
emissions
43.29 kgCO₂/m²/yr

WORST
>120

The less CO₂ produced,
the less the dwelling
contributes to global
warming.

IMPORTANT: This BER is calculated on the basis of data provided to and by the BER Assessor, and using the version of the assessment software quoted below. A future BER assigned to this dwelling may be different, as a result of changes to the dwelling or to the assessment software.

200MM INSULATION & SIGA TAPES

100MM EXT INS
TO REDUCE
THERMAL BRIDGE

60MM EXT
INS TO
REDUCE
THERMAL
BRIDGE

SIGA TAPE INSIDE & OUTSIDE



e:	F_w	0.9
	g_w	0.36
U_w	0.63	W/(m ² ·K)

Air Leakage loss:			
Air leakage at 50 Pa per hour & per unit length of opening light (BS 6375-1) - 2DP			
Opening light length	3.7840	m	Total air leakage
L_{50}	0.00	m ³ /(m ² ·h)	Heat loss = 0.0165 L_{50}

d for calculation, taken from simulations:		$I_p =$	0.035	W/(m·K)	$R_{se} =$	0.04	m ² ·K /W	$R_{se} =$	0
panel thickness, $d_p = d_g =$		$R_p =$	1.4857	m ² ·K /W	$R_{bt} =$	1.6557	m ² ·K /W	$U_p =$	0.

Label index	EWER Rating Scale	Window Rating
36	C A Z	A
	B	
	C	
	D	
	E	
	F	
	G	

BFRC Rating =		
$218.6g_{window}$	- 68.5 x (U_{window} + Effective L_{50}) =	35.54
Climate zone is:		UK
Thermal transmittance, W/(m ² ·K)	U_{window}	0.6
Solar factor	g_{window}	0.36
Window air leakage heat loss, W/(m ² ·K)	L_{factor}	0.00

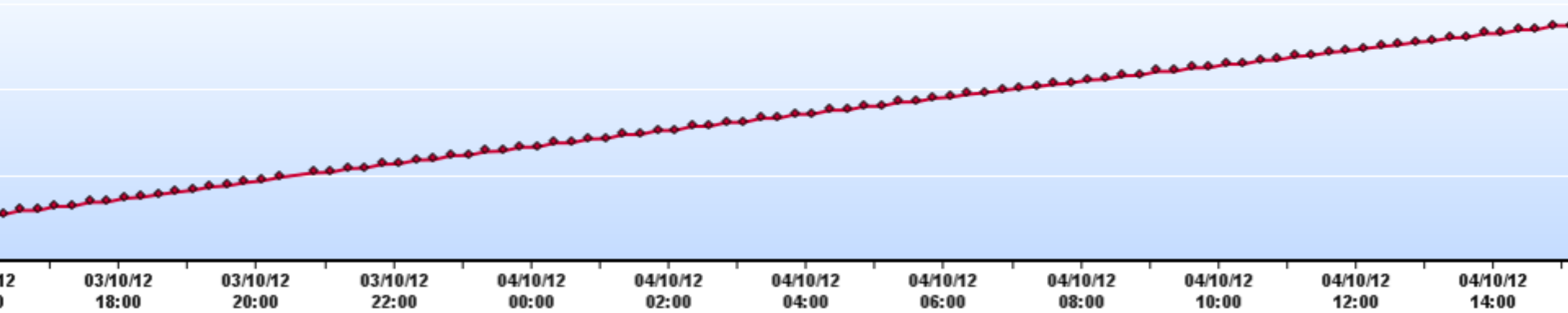
Simulator Name:	Clive Cox
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ZEM30 - Freezer

- Sensor



sica readings

365kw per year
F rated