


Detached House, built 2006

Total Building Area (m2): 249

	BER Rating	Energy Value	Potential Energy Savings	Total Annual Space Heating	Space Heating costs per year
		(kWh/m2/yr)	€	kWh/yr	€/yr
Dwelling Current Condition	B3	145.00	-	36,105	€4,079.87
Dwelling Post Works	A3	68.07	€1,989.54	16,949	€2,090.33
CO2 Savings per year 5.59 Tonnes					
Equivalent Planted Trees	399	Trees			

RECOMMENDED WORKS

Item	Recommendation	kWh/m ² /yr	BER	MEDIAN Cost Nett Grant [1]
New windows with a u value of 1.2 New Door with a u value of 1.5	New windows double glazing with a u-value of 1.4 W/m2K New external doors with a U-value of 1.4 W/m2K	130.70	B3	€13,200
Roof	Insulation Pitched at ceiling .16 W/m2K and on slope .20 W/m2K, and room in roof on side 0.20 W/m2K, and on flat roof .22 w/m2K.	102.10	B2	€992
Heating system and Controls	Install full time and temperature controls with 3 zones two heating and one HW. Install and air to water HP with a Seasonal Space Heating Efficiency, η_s / SCOP/A of 175 minimum and Water Heating Efficiency, η_{wh} 125 minimum. HW cylinder taken as 200L with a Declared loss of 1.5 KWH/day. As part of this upgrade, we have allowed for the blocking up of any and all open fires	68.07	A3	€15,800
TOTAL COST €				€29,992
SIMPLE PAYBACK YRS				15.07

[1] These costs are net of SEAI and are based on a SEAI survey of actual retrofit works carried out by certified contractors in 2024

The house pictured is not the actual home surveyed, but it has the same characteristics