


Detached House, built 2003

Total Building Area (m2): 181

| | | | | | |
|---|------------|-----------------------------|-------------------------------|--------------------------------------|--------------------------------------|
|  | BER Rating | Energy Value (kWh/m2/yr) | Potential Energy Savings € | Total Annual Space Heating kWh/yr | Space Heating costs per year €/yr |
| Dwelling Current Condition | B3 | 137.00 | - | 24,797 | €2,802.06 |
| Dwelling Post Works | A3 | 69.89 | €1,241.81 | 12,651 | €1,560.25 |
| 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 | 128.30 | B3 | €9,200 |
| 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. | 118.40 | B2 | €992 |
| Walls | to 0.35 W/m2K average U-Value | 104.84 | B2 | €15,800 |
| 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 | 69.89 | A3 | €9,100 |
| TOTAL COST € | | | | €35,092 |
| SIMPLE PAYBACK YRS | | | | 28.26 |

[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