

PHPP figures for Scandinavian Homes passive house in Galway

Heatlosses kWh / m² / year

Treated floor area 247 m² Volume of dwelling 599 m³

Losses through components	Average U-value	kWh lost/ year	kWh lost/ m ² /yr
Windows	1.1	2072	8.4
Ventilation		1180	4.8
Walls	0.1	922	3.7
Roof	0.06	860	3.5
Floor	0.11	700	2.8
Doors	0.81	79	0.3
Total		5813	23.5

Supply of heat	kWh/yr	kWh/ m ² /yr
Internal gains	2366	10.5
Solar gains	1727	7.5
Heat bought / yr	1720	6.0
Tot.annual heat demand	5813	23.5

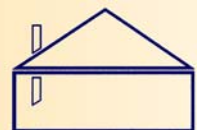
*PHPP passive house use <15 kWh / m² year
 *On the coldest day of the year this house needs <6 W/m² to keep it at 20 degrees inside



Windows 8.4 kWh
 Ventilation 4.8 kWh
 Floor 2.8 kWh
 Roof 3.5 kWh
 Doors 0.3 kWh
 Total loss 23.5 kWh / m² / yr

Internal-gains 10 kWh
 Solar-gains 7.5 kWh
 Purchased energy 6.0 kWh
 Total heat demand 23.5 kWh / m² / yr

Annual heat demand kWh / m² / year



**SCANDINAVIAN
 HOMES LTD.**