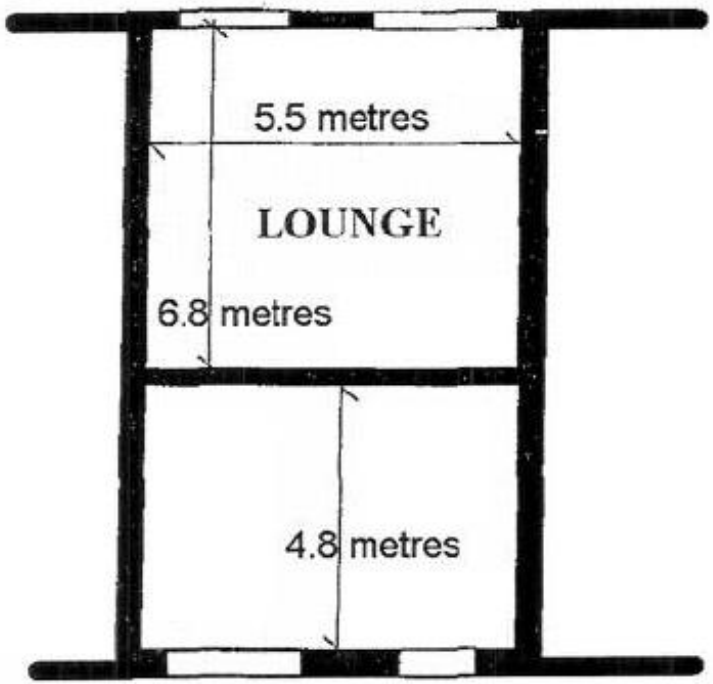

Calculate the heat loss in watts for the ground floor mid terraced house based on this data.

U values:
Walls 0.30 $W/m^2 K$ Floor 0.40 $W/m^2 K$
Windows 3.8 $W/m^2 K$ Ceilings 0.5 $W/m^2 K$ Doors 2.1 $W/m^2 K$
Temperature Difference = 18°C to outside walls and under floors
Temperature Difference = 6°C above ceiling
Temperature Difference = 8°C to inside walls
Air changes per hour = 2
Windows area = $4m^2$
Doors area = $2m^2$
Wall height is 2.4m. All internal walls are solid.