

# THE HEARTLAND 1100



## ESTIMATED ANNUAL ENERGY CONSUMPTION

MODELLING RESULTS	ESTIMATED ANNUAL ENERGY CONSUMPTION	Primary Space Heating (MJ)	21,706	
		Secondary Space Heating (MJ)	4583	
		Primary DHW Heating (MJ)	17,505	
		HRV or ERV and Fans (MJ)	4006	
		Air Conditioner (MJ)	997	
		<b>TOTAL ENERGY CONSUMPTION (GJ)</b>	<b>74.4</b>	
		<b>ESTIMATED ANNUAL ENERGY COST</b>	<b>\$1,592</b>	
		Est. Natural Gas Consumption (m3)	-	
		Est. Electricity Consumption (kWh)	20,672	
		MODELLING INPUTS	ESTIMATED ANNUAL ENERGY CONSUMPTION	Ceiling Below Attic
Walls Above Grade (exterior)	"Effective R24.15 (Logix Pro ICF)"			
Slab-on-grade with an Integral Footing	Effective R21.12			
Windows & Sliding Glass Doors (W/m <sup>2</sup> •K)	U-Value: 0.63			
Airtightness	"< 1.56 ACH @ Pa (Assumed - No Air Test Required)"			
HVAC	Ventilation		60% SRE	
	Secondary Space Heating Equipment		Electric Resistance (backup)	
	Primary Space Heating & Space Cooling Equipment		ASHP ( 3.31 HEAT COP/ 3.85 COOL COP)	
	DHW		Water Heater	0.84 EF (electric)

### NOTES

1. ci = continuous insulation.
2. o.c. = on-centre.
3. Modelling is based on C1 prescriptive package from SB-12 in the 2012 Ontario Building Code.

4. Modelling was completed utilizing HOT2000 v11.9.
5. Imperial U-values and R-values have been noted in this table.
6. Estimated operating cost is based on an average of the Ontario off-peak, mid-peak, and on-peak electricity rates.

7. This is a model only and is provided for illustration purposes only. Actual energy consumption will vary depending on lifestyle, location, orientation, air tightness detailing, and any number of factors.