

- Summary
- Heating
- Hot water
- Emitters
- Pipework
- Performance

# Design

Mark as in progress

**Flow temperature** 35 °C

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<b>Heat loss</b> 4.64 kW	<b>Running costs</b> £1,150 per year	<b>Emitters</b> <span style="background-color: #e8f5e9; padding: 2px;">Sufficient</span>
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**Heat pump** Meets demand >

**Vaillant aroTHERM plus 7kW**

SCOP at 35 °C	4.34
Capacity at 35 °C (-1.7 °C)	9.1 kW
Sound assessment	Pass

**Emitters** Sufficient >

ITEM	DIMENSIONS	BADGE

**Cylinder** >

No cylinder

**Pipework** >

**Primary**  
6.50 kW • 0.00 m/s • 0 Pa/m • 0 kPa

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**Delivery**  
0.00 kW • 0.00 m/s • 0 Pa/m • 0 kPa

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**Index emitter**  
0.00 kW • 0.00 m/s • 0 Pa/m • 0 kPa

**Performance estimate** Incomplete >

NAME	ENERGY	BILLS	EMISSIONS
Electricity	7,028 kWh	£1,808	956 kg
Proposed system	4,471 kWh	£1,150	608 kg
<b>Savings</b>	<b>2,557 kWh</b>	<b>£658</b>	<b>348 kg</b>