


Heat Pump Load

In the Heat Pump task you can see the results of the heat loss calculation as well as information on the heat pump you have chosen. You can alter the flow temperature and see the impact of this on SCOP and output power. This is also given for each heat emitter as shown in the example below.

For more information on [Heat Emitters](#) see our guide on the topic.

Riello NXHM 8kW



Model20191942

Nominal capacity8.00 kW

Sound power level59.0

SCOP at 45 °C4.11

Output Power at 45 °C7000 W

Flow temperature

45 °C

Heat pump load

Heat Loss

The Outside Design Temperature for postcode CB4 1AF is -2.5°C

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The expected heat loss at the Outside Design Temperature is 6586 W.

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The total area of the building is 49.72 m².

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The average heat loss is 132 W/m².

Does the heat pump meet the demand?

If the flow temperature is 45 °C...

Output power of heat pump is7000 W

Total heat loss is6586 W

✓

Maximum demand met

The heat pump is sufficiently large to meet the maximum anticipated space heating demand.

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