

NOISE IMPACT STATEMENT

for the Air Source Heat Pump proposed at Whistledown.

The Air Source Heat Pump proposed for Whistledown is the quietest system on the market.

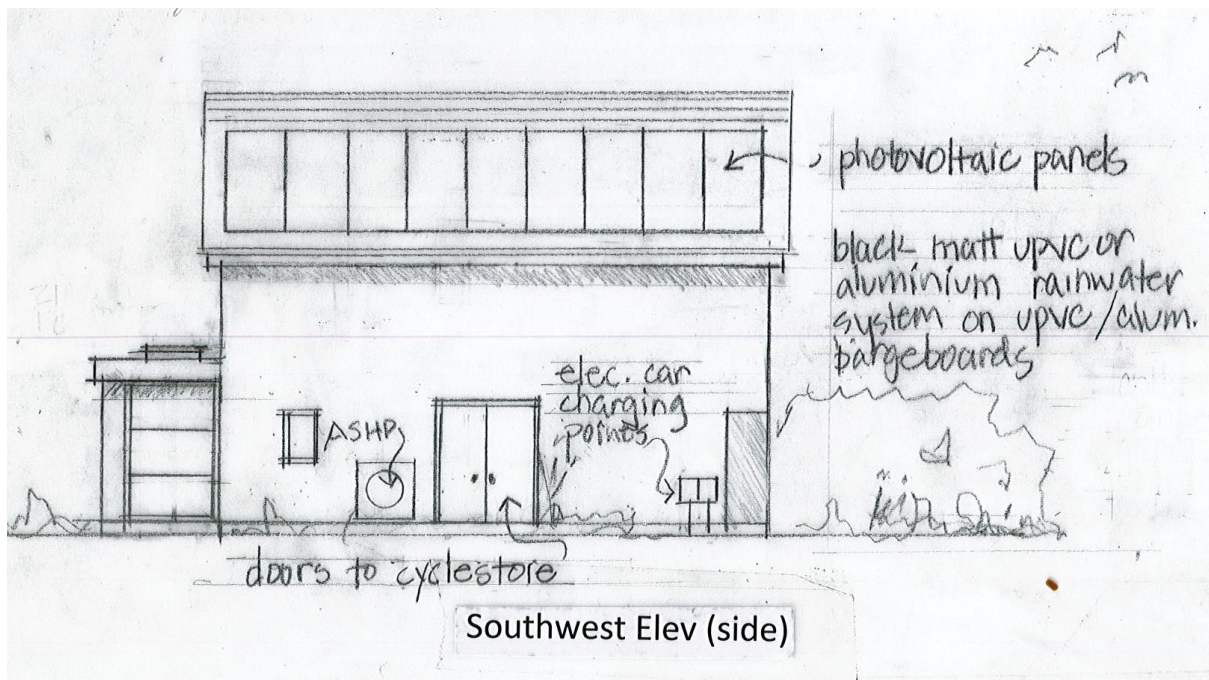
Samsung 8kW Monobloc Air Source Heat Pump

- 7 year Warranty
- SCOP: Best on MCS Database – 4.52
- 65°C Hot Water
- <48DbdB – Quietest System on the Market
- 8Kw Outputs
- Low GWP Refrigerant – R32
- RHI eligible (subject to conditions)

Outdoor Unit

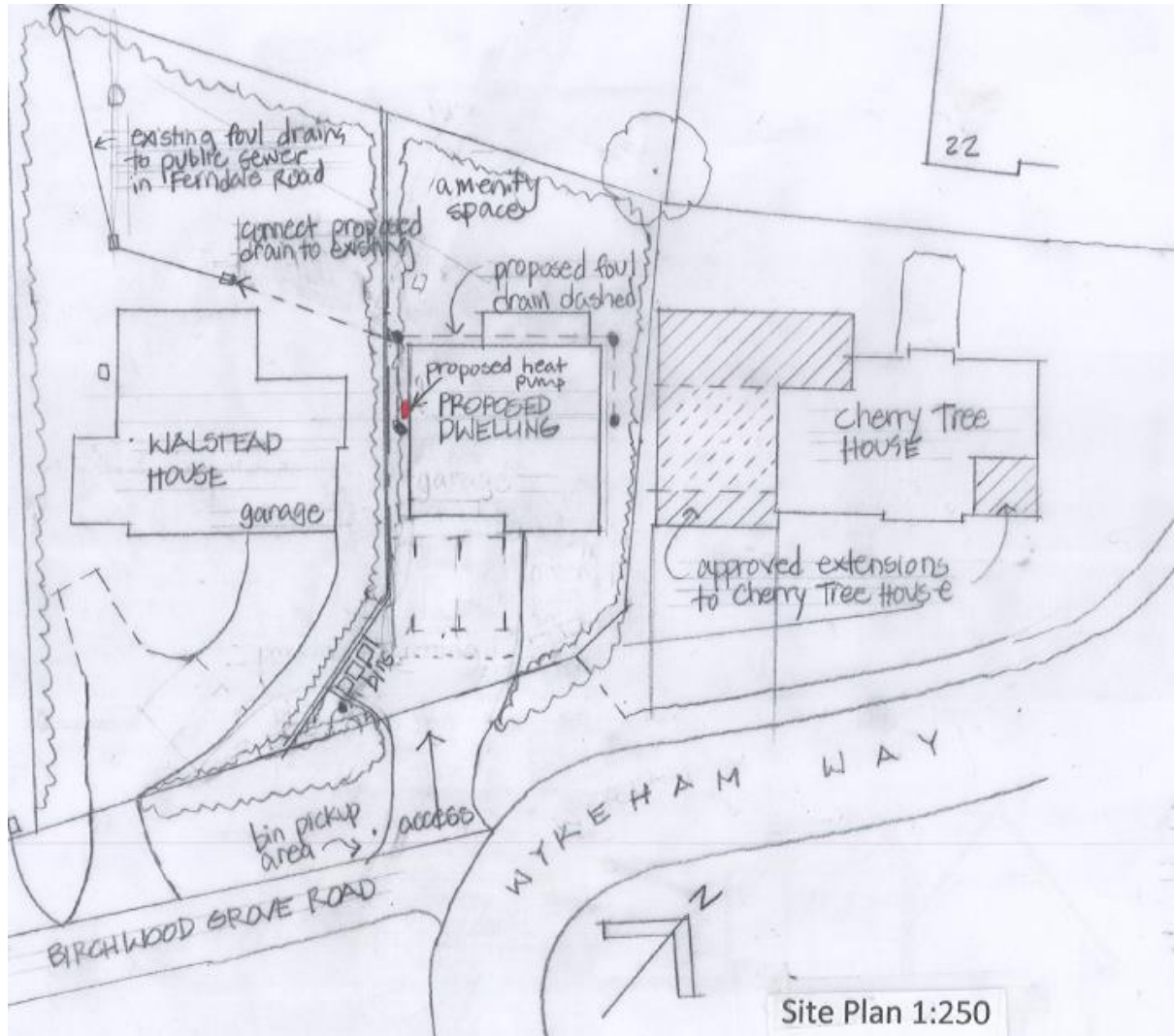
- Dimensions HxWxD (mm): 798x 880 x 310
- Sound Pressure Level at 1M: 45 DBA
- Low maintenance and quiet operation
- ErP: A+++ (35oC)
- Breaker: 20 Amp
- Recommended pipe size: 28 mm
- Nominal flow rate: 21L/min

The location of the heat pump is discreetly placed on the southwest side of the dwelling, which faces Walstead House.



The northeast elevation of Walstead House which is at similar levels to Whistledown and closest to the heat pump contains a garage, with a hall and stairwell over it. Therefore, no habitable rooms will be affected by the proposed heat pump, which has a decibel level of less than 48DbdB. The FFL of the new dwelling is lower than Walstead House so the ASHP will sit approx. 500mm lower than the top of the retaining wall atop which is a timber fence, providing a noise buffer on the boundary.

Neighbouring Cherry Tree House is on the opposite side of the proposed dwelling so there will be no affectation to that property.



The noiseless cylinder for the heat pump is located inside the plant area and cycle store.

With the current building regulations requiring renewable energy sources, and surging popularity of air source heat pumps to meet these regulations, the heat pump will be an asset to the property, without creating a noise nuisance for the neighbouring properties.