



11/10/2024

## 24-020Q Arun Sports Hub - Noise Statement

At Angmering Sports Hub, it is proposed that two air source heat pumps will be installed to feed the underfloor heating circuit that will provide heating to most of the building. Air conditioning has been proposed for two of the rooms in the Angmering Sports Hub, the Flexible Space and the Community Room on the North side of the building. The make and model of air conditioning units have not been selected yet, but a multi-split unit will be specified such that one outdoor condensing unit serves both indoor units.

The outdoor units for both the heat pumps and the air conditioning system will be located in a designated area near the South face of the building.

If they will exceed the acceptable noise limits for the neighbouring residential area then, acoustic packs / enclosures will be specified with each of the units. Alternatively, an acoustic fence can be specified to surround all of the units.

If necessary, controls such as night setbacks will be implemented to limit their noise as much as possible out of hours.

The exact strategy implemented will be subject to the final selection of the heat pump and AC units, the current measured background noise levels, and the imposed conditions.

Maggie Foster  
BEng (Hons), MSc  
**Graduate Building Services Engineer**