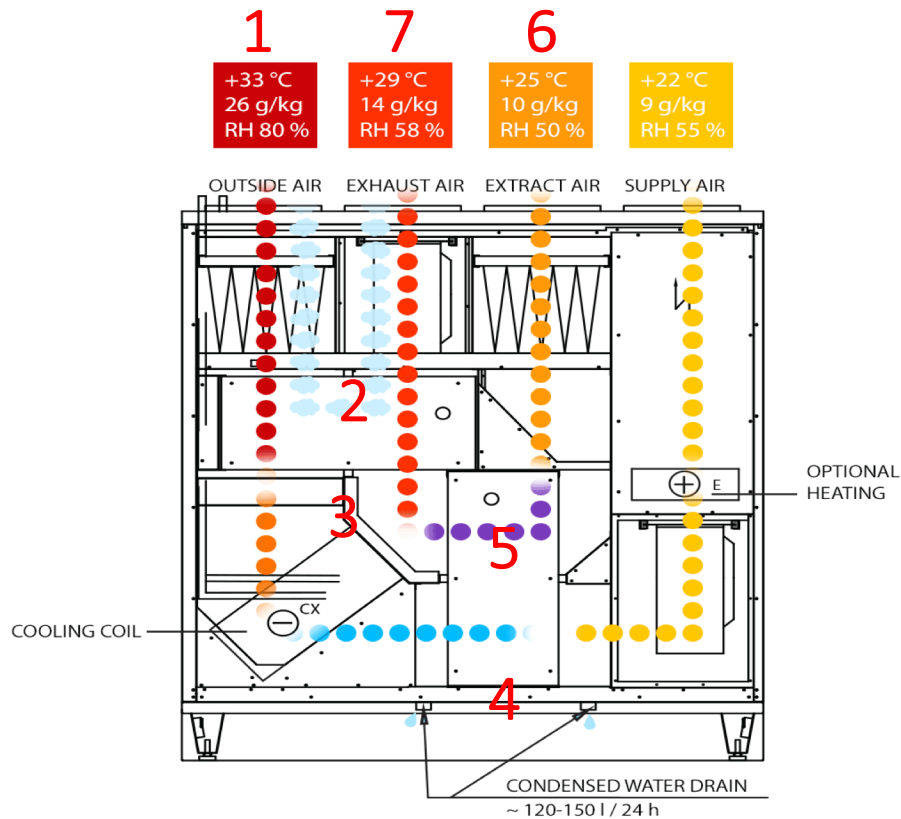
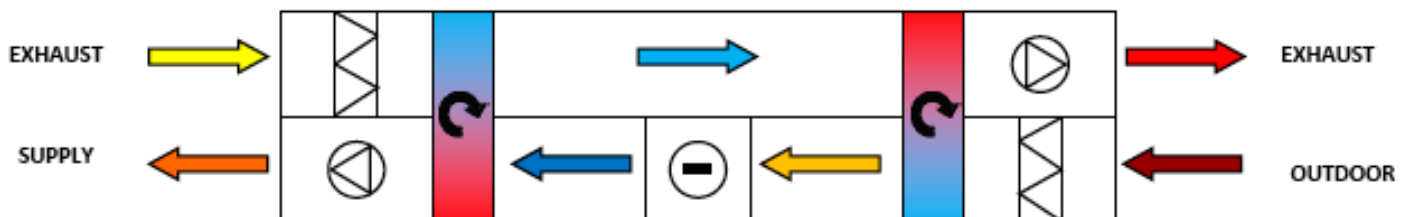


## The Nordic Way



1. Air is brought in from outside and pollution filtered out
2. This air is cooled/heated with the extract air. First stage of dehumidification
3. Excess moisture is removed from the air. The removed energy can be stored to be used as a hot water
4. Removed moisture can be used as grey water
5. The dehumidified air is preheated with the extract air
6. Air is extracted from the space. This air includes dust, moisture, CO<sub>2</sub> etc. It is filtered to minimise maintenance of the machine.
7. Extracted inside air is expelled out and the cycle is complete.

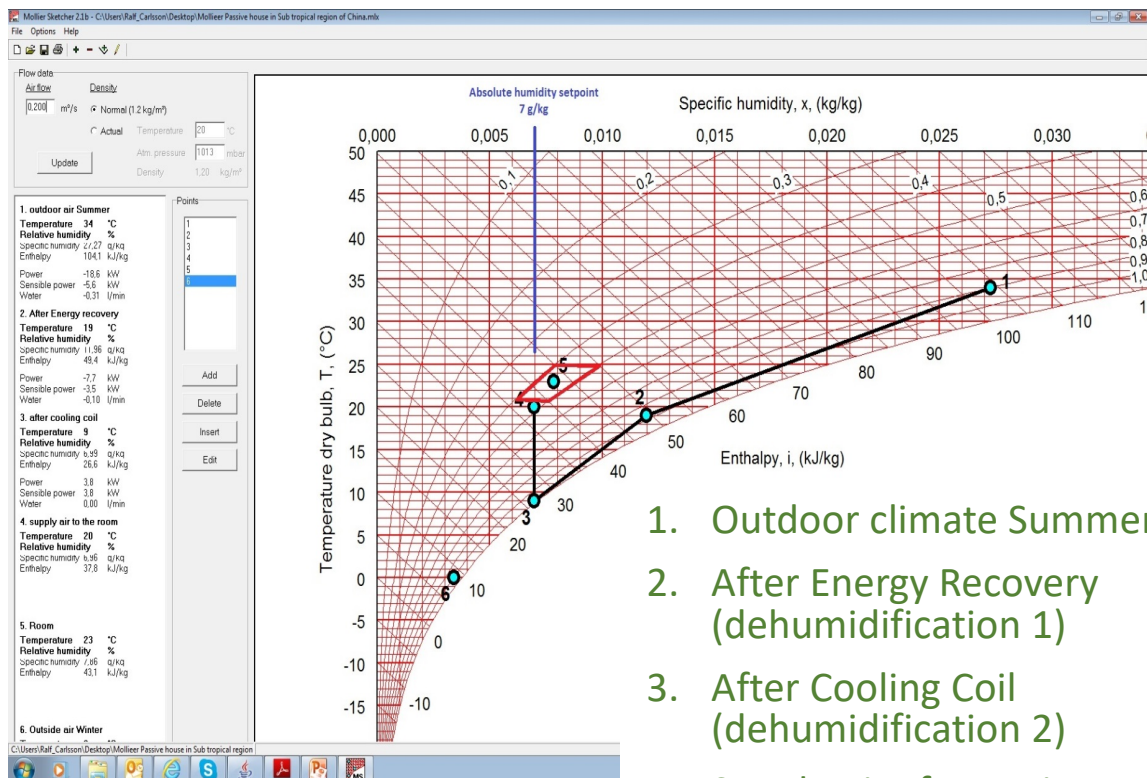
## Design Diagram



Ability to extract energy is key to the system  
Energy is extracted using the energy recovery wheels

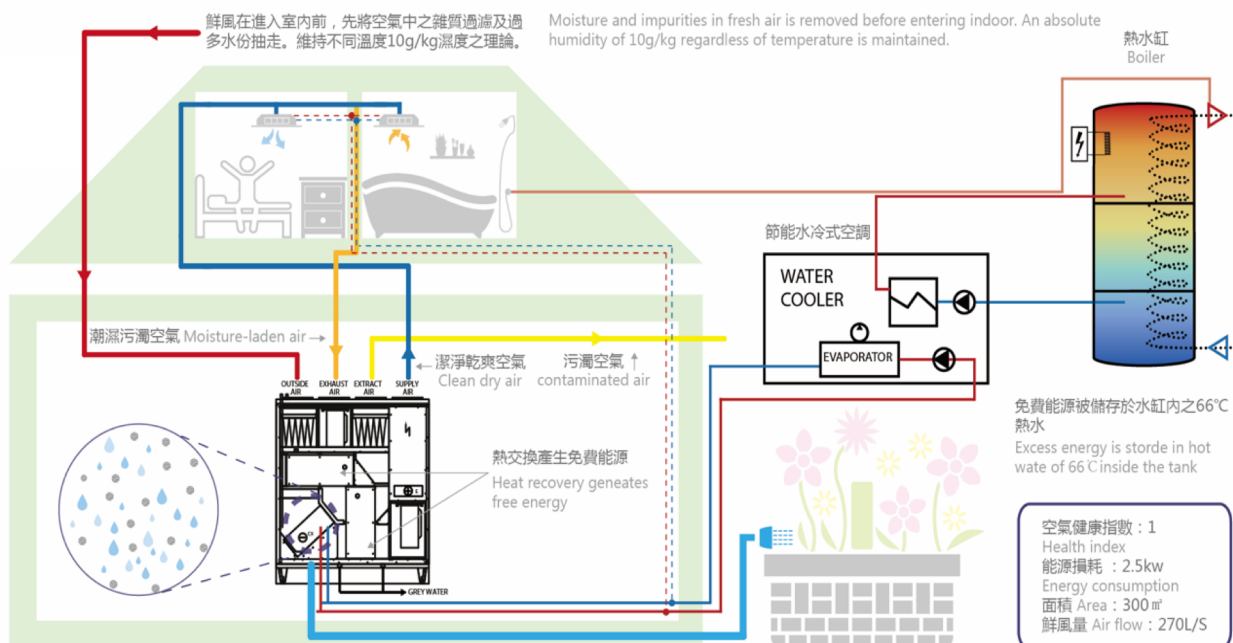


# The Physics Enthalpy & Mollier Diagram



1. Outdoor climate Summer
2. After Energy Recovery (dehumidification 1)
3. After Cooling Coil (dehumidification 2)
4. Supply Air after TwinTropic preheat
5. Indoor climate
6. Outdoor climate Winter

## All-In-One System



patented Rotary Recovery Wheel Technology with Energy Bus