

STA-01 ECO-1 OPTIMIZED ENERGY CONTROL

The unit adjusts temperature control based on the outdoor temperature and switches between supply air control in winter and extract air control in summer.

Supply air control: The supply air temperature is kept constant to the room.

Extract air control: The extract air temperature is kept constant by adjusting the supply air temperature. To maintain comfort, the supply air temperature is limited with minimum and maximum values.

This control mode is suitable for premises with a heating system. The unit will mainly ventilate the premises and to maintain a basic temperature slightly below the radiator setpoint during winter. In the summer, extract air temperature is adjusted to setpoint with minimum and maximum limitation of the supply air temperature. Cooling demand increases the air flow to cool down the facilities with outside air.