
DX Coil Air Handling Units AHU

HOLTOP



Combined with core technology of HOLTOP AHU, DX (Direct Expansion) coil AHU provide both AHU and outdoor condensing unit. It's an flexible and simple solution for all building area, such as mall, office, Cinema, School etc.

The direct expansion (DX) heat recovery and purification air conditioning unit is an air treatment unit that uses air as a source of cold and heat, and is an integrated device of both cold and heat sources. It consists of an outdoor air-cooled compression condensing section (outdoor unit) that supplies cold and heat medium and an indoor unit section (indoor unit) that is responsible for air treatment, which are directly connected through refrigerant pipes. The DX air handling unit does not require cooling towers, cooling water pumps, boilers and other auxiliary pipe fittings. The AHU system structure is simple, space-saving, and easy to install and maintain.

HOLTOP HJK series of DX heat recovery and purification air conditioning units adopt HOLTOP core technology of heat recovery, using high-quality brand refrigeration components, self-developed and produced cold and heat source equipment. The air handling units can be equipped with various heat recovery exchangers, such as rotary heat exchangers, plate fin heat exchangers and plate heat exchangers to efficiently recover the energy from the exhaust air and save energy. At the same time, it can also be configured with various functional sections such as filtration, heating and humidification to meet different comfort and process requirements. Besides, the neat design appearance and the extremely low air leakage rate meet the level of purification air conditioning.

Compared with other centralized and semi-centralized air handling systems, the DX Coil Air Handling system layout is simpler and more flexible, so it is widely used in shopping malls, office buildings, apartments, theaters, schools and other places.



组合式热回收室内机



风冷室外机

Indoor Unit Combination Mode

Standard Combination Mode

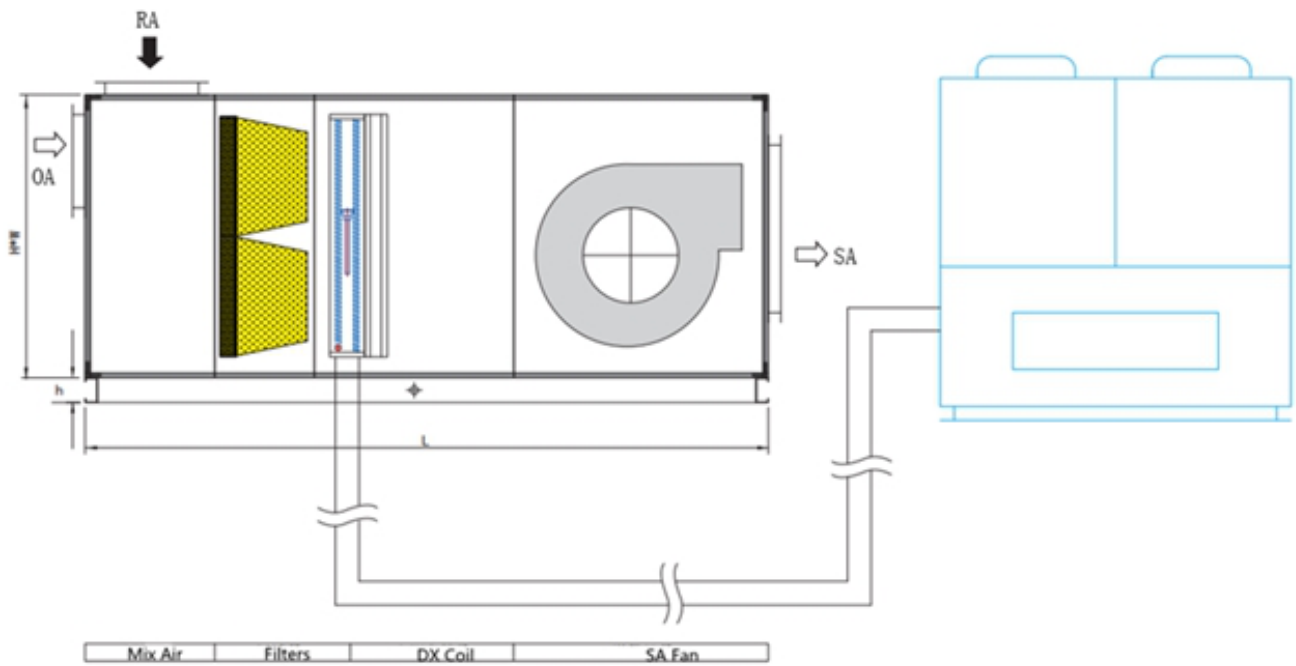


Plate or Plate Heat Exchanger Combination Mode Type 1

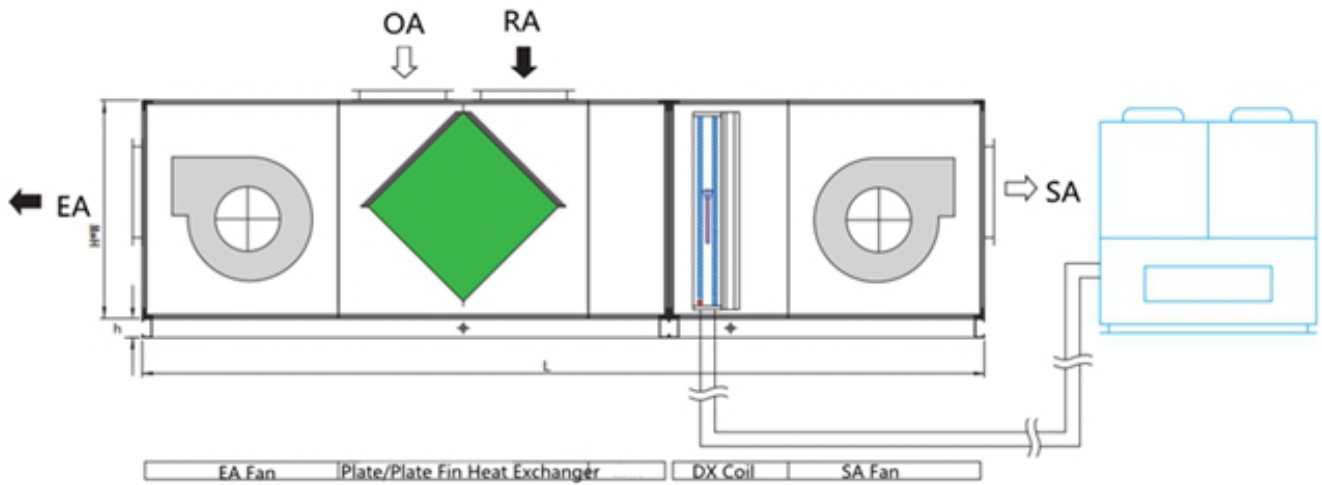


Plate or Plate Heat Exchanger Combination Mode Type 2

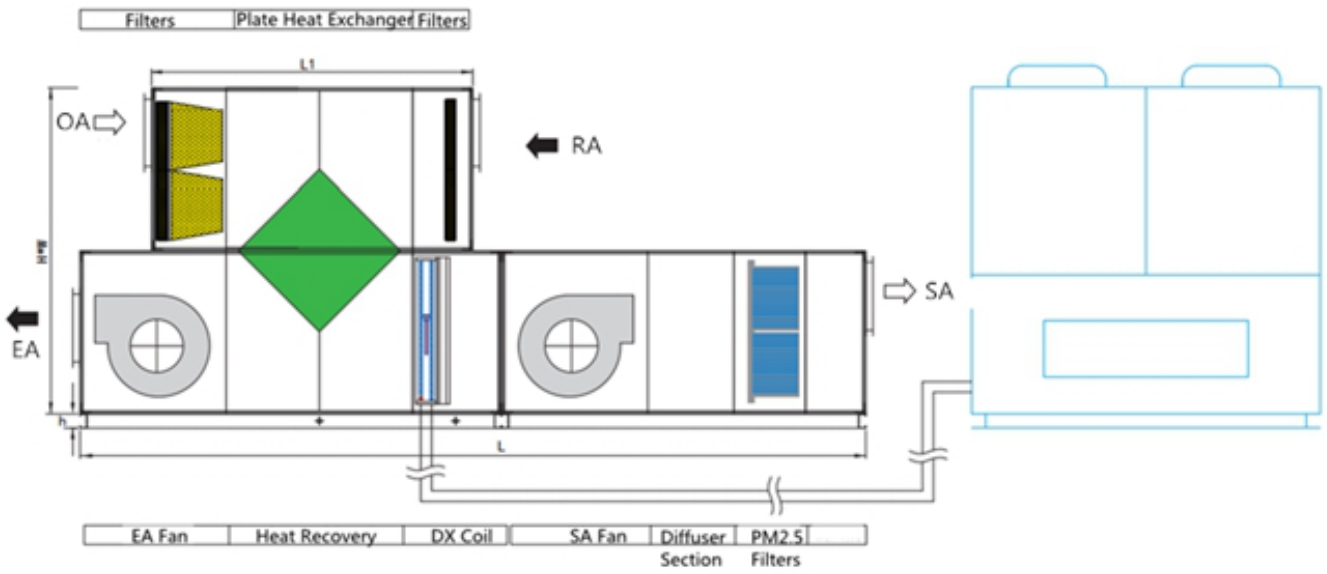
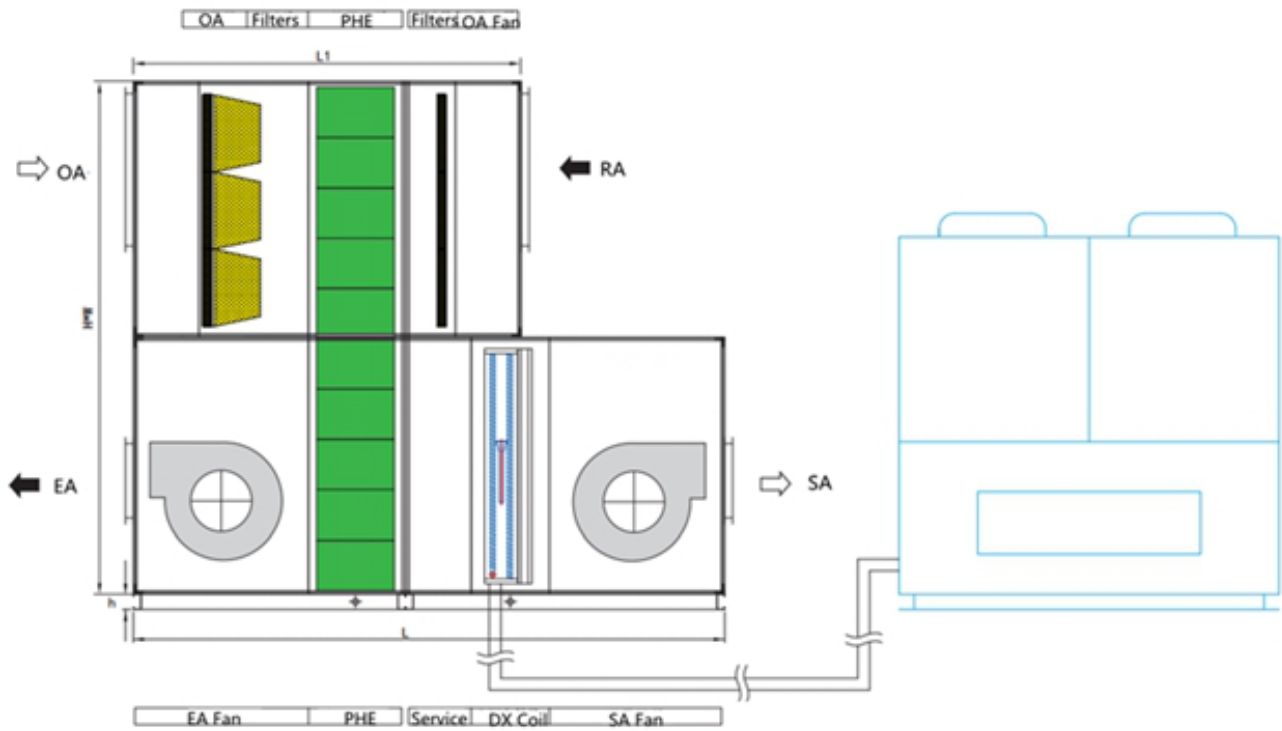
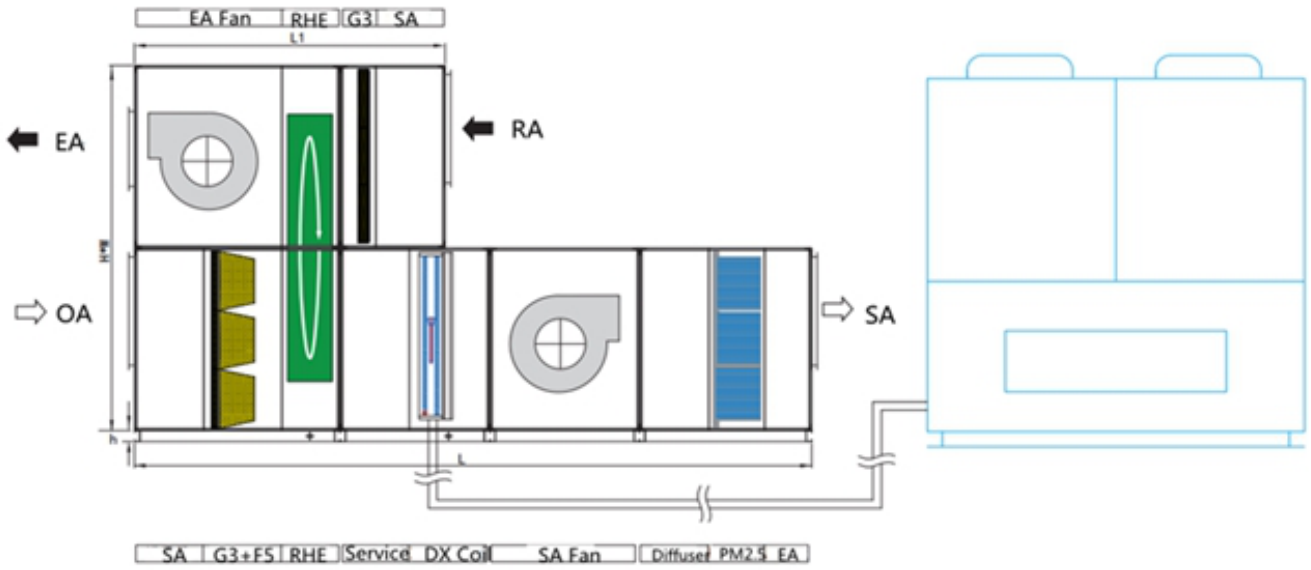


Plate or Plate Heat Exchanger Combination Mode Type 3



Rotary Heat Exchanger Combination Mode



Product link : <https://www.holtop.net/product/4.html>