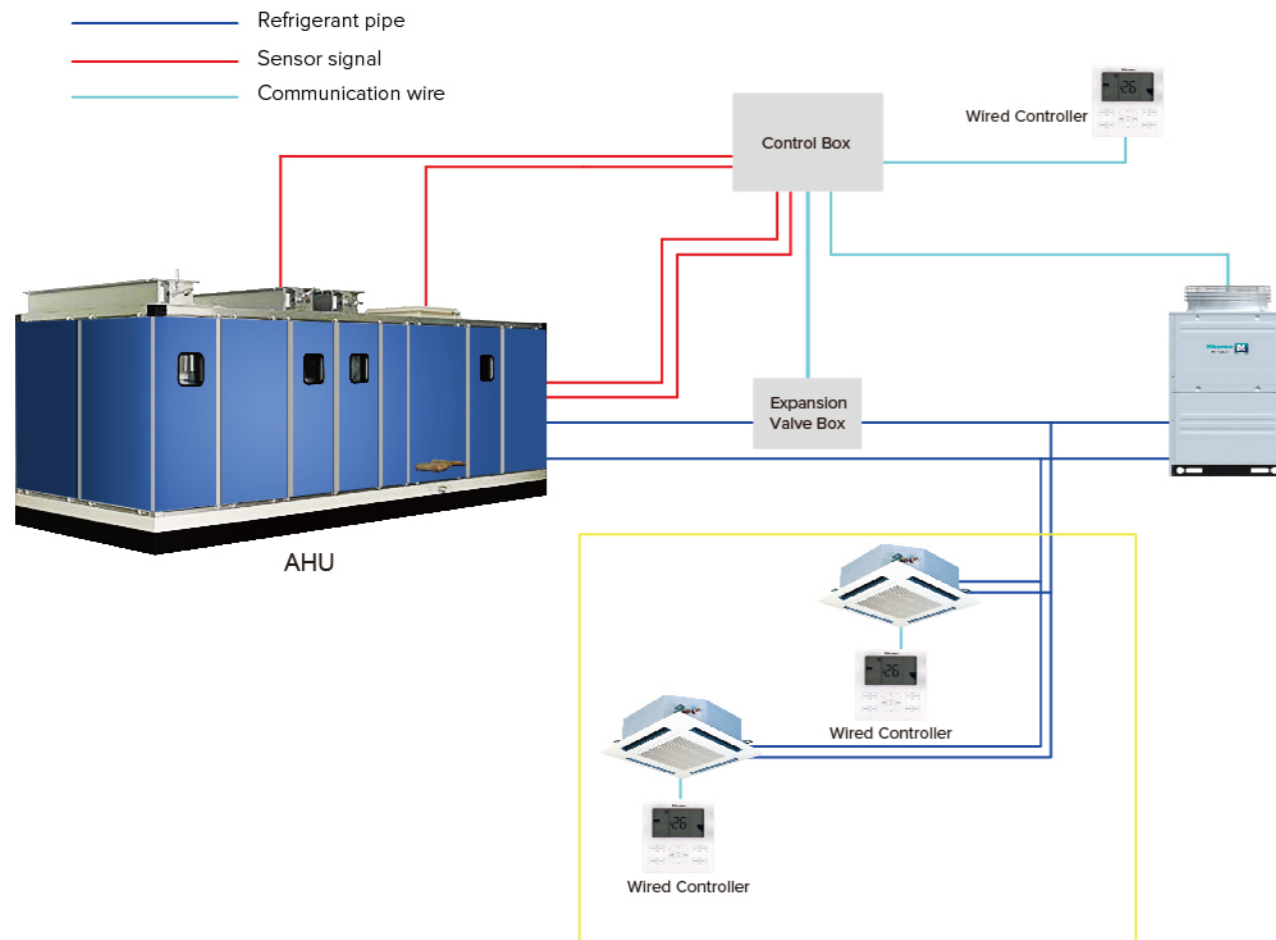


## AHU-KIT for Air Handling Applications

The Hisense AHU-KIT can integrate external heat exchangers of Air-handling units (AHU) into a Hisense VRF system to be used for air conditioning, which can provide more flexible air conditioning solutions and save more renovation cost in the building air conditioning renovation.

### Main Function

- ON/OFF Control
- Temperature Setting
- Capacity Demand
- Operation Mode



## Selection and Limitation of Heat Exchanger of AHU

The Heat Exchanger of AHU (field-supplied) should be selected according to the following technical data and limitations. Lifetime of the outdoor unit, operation range or operation reliability may be influenced if these limitations are neglected.

AHU Connection KIT		HZX-2.0AEC	HZX-4.0AEC	HZX-6.0AEC	HZX-20.0AEC							
Model Power Supply		220~240V/50Hz, 220~240V/60Hz										
Nominal Capacity of AHU	HP	2	4	6	8	10	12	14	16	18	20	
Allowed Heat Exchanger Capacity (H/M/L)	Cooling	KW	4.0	7.1	11.2	16.0	20.0	28.0	33.5	40.0	45.0	50.0
		KW	5.0	9.0	14.0	20.0	25.0	30.0	35.0	43.0	48.0	52.0
		KW	6.0	11.2	16.0	22.4	28.0	33.5	40.0	45.0	50.0	56.0
	Heating	KW	4.5	8.0	12.5	17.9	22.4	31.5	37.5	45.0	50.0	56.0
		KW	5.6	10.0	16.0	22.4	28.0	33.5	40.0	47.5	53.0	60.0
		KW	7.1	12.5	18.0	25.0	31.5	37.5	45.0	50.0	56.0	63.0
Heat Exchanger Volume	Min	dm <sup>3</sup>	0.57	1.03	1.92	2.92	3.89	4.76	5.85	6.79	7.57	8.47
	Max	dm <sup>3</sup>	1.16	2.37	2.92	3.89	4.76	5.91	6.89	8	8.92	9.97
Equivalent Indoor Unit Capacity	HP	2	4	6	8	10	12	14	16	18	20	
Control Box Model		HZX-AEC/1										
Expansion Valve Box Model		HZX-2.0 AEC/2	HZX-4.0 AEC/2	HZX-6.0 AEC/2	HZX-20.0 AEC/2							

\*Cooling and heating capacity data based on the following indoor and outdoor temperature conditions:

Operation conditions		Cooling	Heating
Indoor air inlet temperature	DB	27.0°C	20.0°C
	WB	19.0°C	---
Outdoor air inlet temperature	DB	35.0°C	7.0°C
	WB	6.0°C	---

DB:dry bulb; WB: wet bulb  
Pipe Length: 7.5m; pipe height: 0m

For HZX-20.0AEC, the outdoor unit connects AHU only in the air-conditioning system.