

# INDOOR UNIT

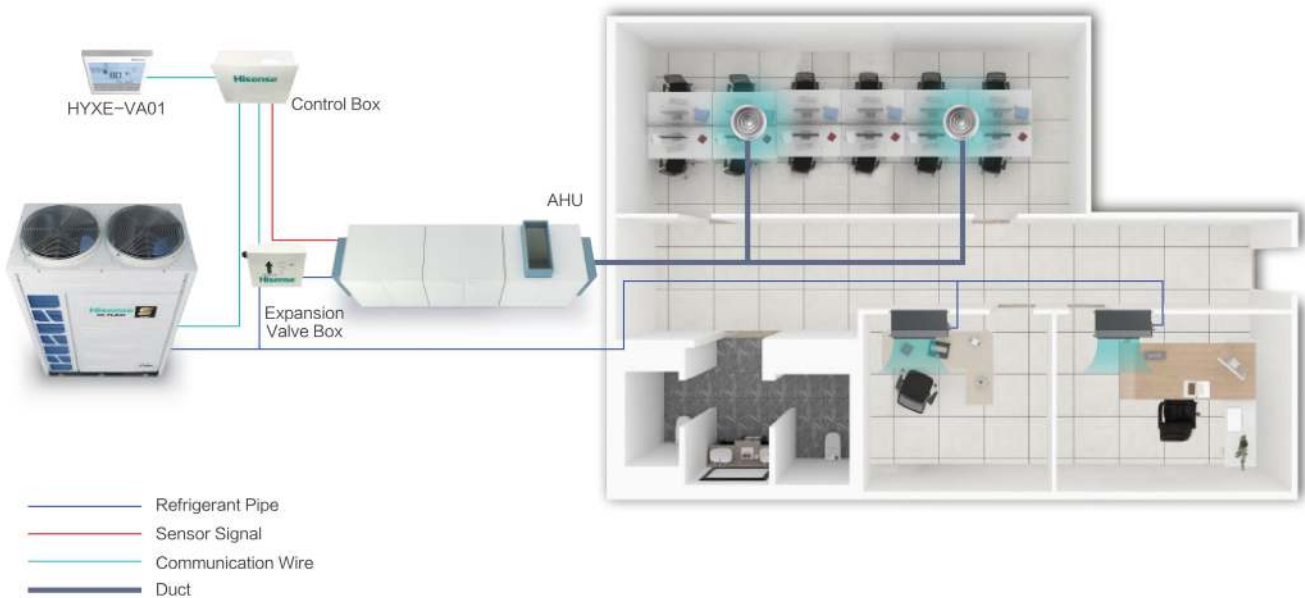


The Hisense AHU-kit integrates external heat ex-changers of Air-handling units (AHU) into a Hisense VRF system to provide more flexible air conditioning solutions.

73

## Main Functions

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



# INDOOR UNIT

## AHU Connection Kit



AHU kit can provide 3 kinds of control type for AHU application: Inlet air temperature control, outlet air temperature control and duty signal control.

Capacity Control Mode	Set Temperature by Remote Controller	Set ODU Capacity Range
Inlet Air (room air) Temperature Control	Cooling: 60~90 °F (16~32 °C) Heating: 60~90 °F (16~32 °C)	-
Outlet Air Temperature Control		
Duty Signal Control (0~10V or 0~5V or 4~20mA)	-	15%~100%

AHU Connection KIT	HZX-2BE3	HZX-4BE3	HZX-6BE3	HZX-10BE3	HZX-20BE3						HZX-30BE3						
Power Supply	AC 1 ϕ, 208/230V/60Hz																
Nominal Capacity	Ton	1.5	3.0	5.0	8.0		16.0						24.0				
	kBtu/h	19	36	54	76	96	114	132	154	170	190	212	232	250	272	287	
Allowed Heat Exchanger Capacity (H/M/L)	Cooling	kBtu/h	19.1	38.2	54.6	76.4	95.5	114.3	136.5	153.5	170.6	191.1	209.8	235.4	249.1	273.0	290.0
		kBtu/h	17.1	30.7	47.8	68.2	85.3	102.4	119.4	146.7	163.8	177.4	197.9	221.8	242.3	259.3	279.8
	Heating	kBtu/h	13.6	24.2	38.2	54.6	68.2	95.5	114.3	136.5	153.5	170.6	191.1	209.8	235.4	249.1	273.0
		kBtu/h	24.2	42.7	61.4	85.3	107.5	128.0	153.5	170.6	191.1	215.0	235.4	264.4	281.5	307.1	324.2
Heat Exchanger Volume	Min	in. <sup>3</sup>	34.8	62.9	117.2	178.2	237.4	290.5	357.0	414.4	461.9	516.9	551.7	579.7	634.0	695.1	754.3
	Max	in. <sup>3</sup>	70.8	144.6	178.2	237.4	290.5	360.6	420.5	488.2	544.3	608.4	679.2	753.0	786.6	845.8	898.9
Equivalent Indoor Unit Capacity	Ton	1.5	3.0	5.0	8.0		16.0						24.0				
	kBtu/h	19	36	54	76	96	114	132	154	170	190	212	232	250	272	287	
Control Box	Model	HZX-BEJ/1															
	Outer Dimension (H×W×D)	in.	13-47/64 × 16-1/2 × 4-13/32														
Expansion Valve Box	Model	HZX-2 BE3/2	HZX-4 BE3/2	HZX-6 BE3/2	HZX-10 BE3/2		HZX-20 BE3/2						HZX-30 BE3/2 (2 sets)				
	Outer Dimension (H×W×D)	in.	6-35/64 × 17-7/32 × 2-13/32												6-35/64 × 17-7/32 × 2-13/32 (2 sets)		
Net Weight	LBS	15.7	15.7			15.9						20.3					
Gross Weight	LBS	25.8	26.0			26.2						34.0					
Package Dimension (H×W×D)	in.	13-25/32 × 20-5/64 × 17-23/32										18-9/64 × 20-5/64 × 17-23/32					

Operation Conditions	Cooling	Heating
Indoor Air Inlet Temperature	80 °F DB, 66 °F WB ( 27°C DB, 19°C WB )	68 °F DB ( 20°C DB )
Outdoor Air Inlet Temperature	95 °F DB ( 35°C DB)	44 °F DB, 42 °F WB ( 7°C DB, 6°C WB )

DB: Dry Bulb; WB: Wet Bulb; Pipe Length: 24.6ft. (7.5m); Pipe Height: 0ft. (0m).