

MRV AHU Connection Kit

103 The 2nd Generation AHU Kit

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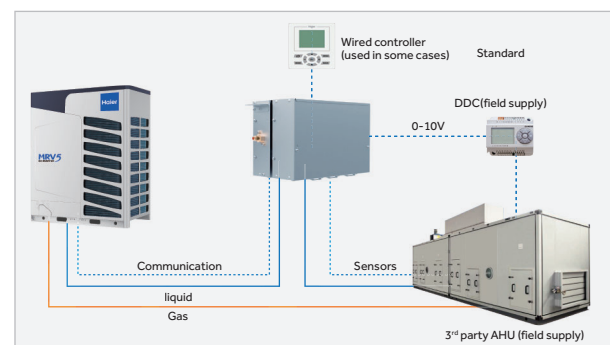
MRV AHU The 2nd Generation AHU Kit



SYSTEM INTRODUCTION

System introduction

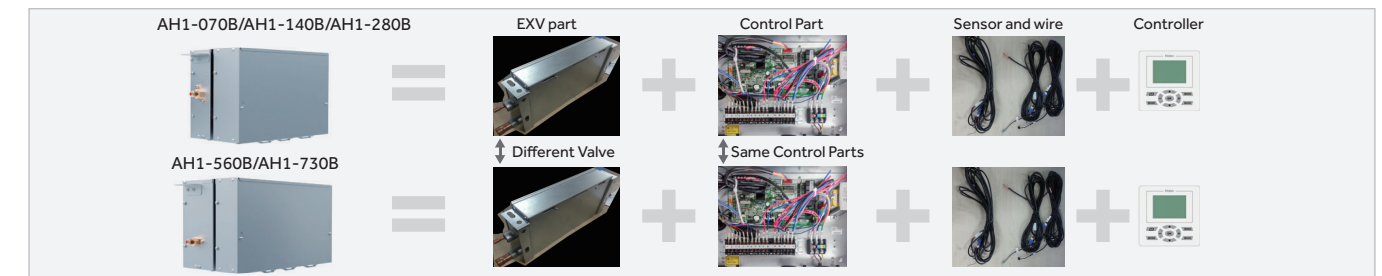
Haier offers a range of connection kit to connect MRV outdoor units to third party DX air handling units.



SYSTEM INTRODUCTION

Ahu kit configuration

Haier 2nd generation AHU kit also contains the following 4 parts: The Controller model is HW-AA 101DBK, special for Haier 2nd generation AHU kit as standard accessory, no need to be purchased separately.



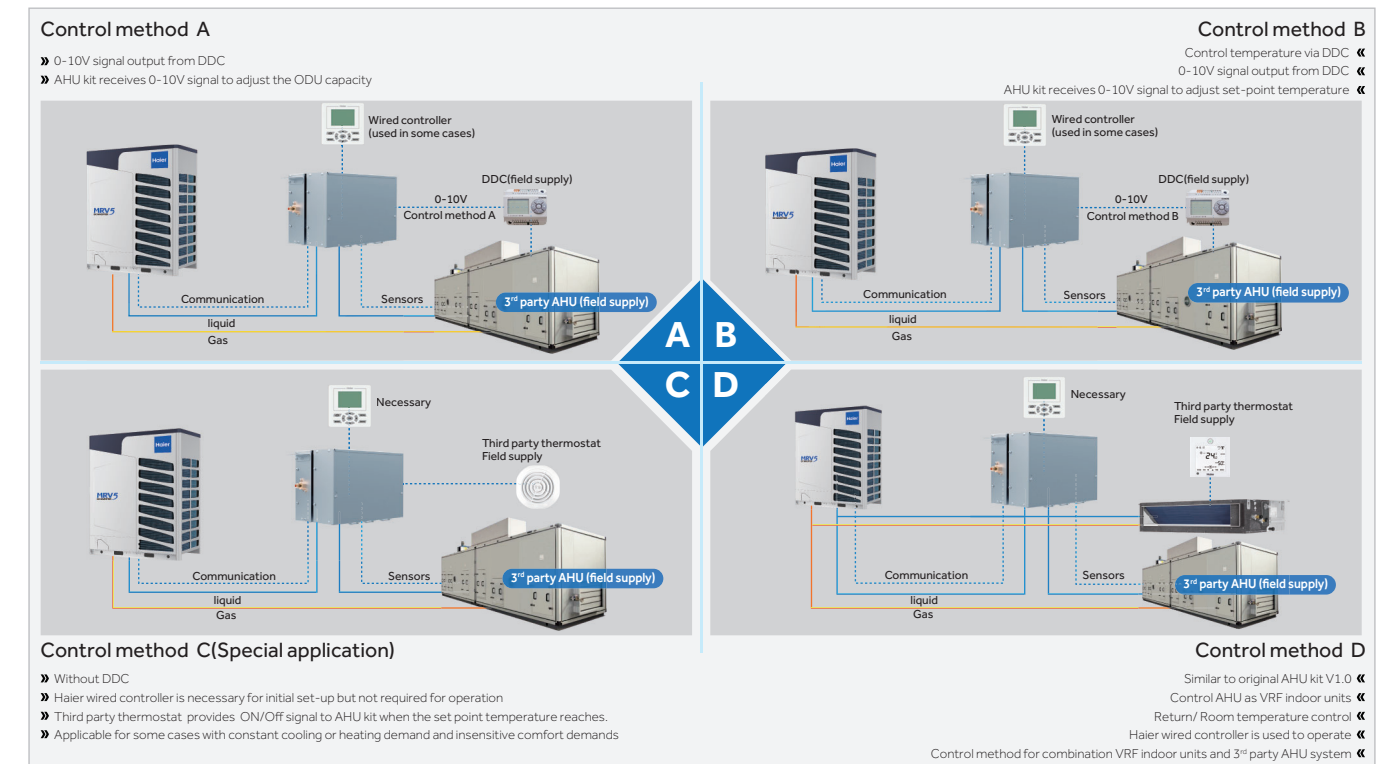
System line-up

Haier AHU kit provides a wide range solution for Haier MRV outdoor unit connecting with the 3rd party AHU.

DX AHU ² Connection kit				Special design for MRV 5 , MRV SII	
Model	AH1-070B	AH1-140B	AH1-280B	AH1-560B	AH1-730B
Capacity	3.5<Connected AHU capacity ≤7kW	7<Connected AHU capacity ≤14kW	14<Connected AHU capacity ≤28kW	28<Connected AHU capacity ≤56kW	56<Connected AHU capacity ≤73kW
Compatibility					
Outdoor	MRV5			MRV 5'	
HP	8-26			4	5 6 8 10 12
Power supply	3Ph/380-415V/50/60Hz			1Ph/220-230V/50/60HZ	3Ph/380-400V/50/60Hz
AHU & MRV indoor	AHU need purchase in Market			[Images of indoor units]	

Control solutions

Four control methods can be used, which can be switched by dip switch based on the site scenario.

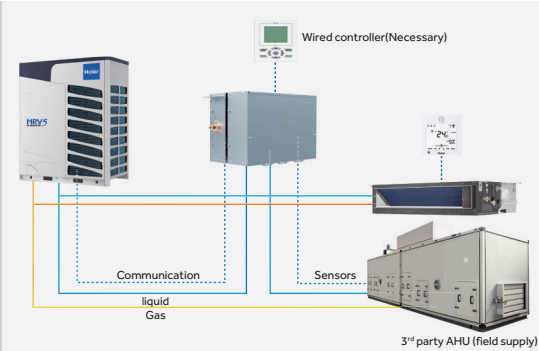


SYSTEM INTRODUCTION

Central control

Note:

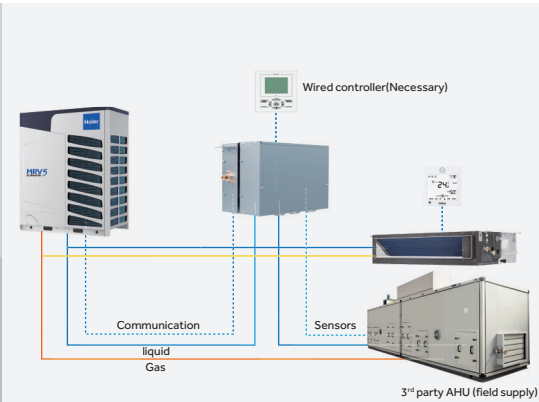
- MRV 5 and upgraded MRV SII(8/10/12HP can directly connect with central controller HC-SA164DBT and YCZ-A004.
- Other MRV systems need the HA-MA164AD gateway.
- For new webservice controller, the new gateway HA-MA1ADB.
- For control method A,B,C of AHU kit, only monitoring the AHU is available and unable to conduct control operation.
- For control solution D of AHU kit, AHU can be controlled as one MRV indoor unit, both monitoring and control operations are available.



Bms control

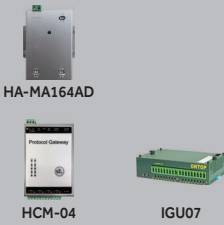
Note:

- Integrate Haier remote monitoring and controlling system via PC and BMS interface
- HCM-01A:Modbus rtu
- HCM-03A:Modbus ip/ Bacnet ip
- HCM-05: BACnet ip



Note:

- Only have BMS interface without Haier remote monitoring system
- HA-MA164AD:Modbus.For MRV 5 and upgraded MRV SII (8/10/12HP) integrates this function
- HCM-04:Bacnet
- IGU07:Lonworks

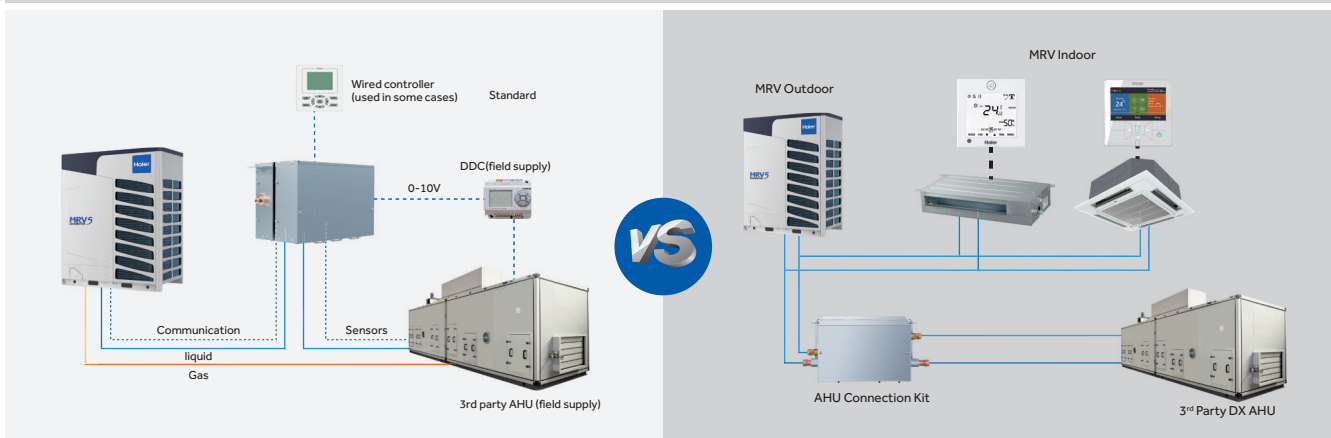


UNIT STRUCTURE

Features

- Extend the AHU connected capacity of per kit ranging from 3.5 kW to 73kW, which can meet the small, medium and large buildings demands.
- Add the 0-10V signal control.
- Supply air temperature (from DDC) or return air temperature controllable.
- Remove the gas pipe, more convenient for installation.

The 2nd generation AHU kit VS The 1st generation AHU kit



SPECIFICATION

Model	AH1-070B	AH1-140B	AH1-280B	AH1-560B	AH1-730B
Connected	3.5≤X≤7KW	7<X≤14KW	14<X≤28KW	28<X≤56KW	56<X≤73KW
AHU capacity	(1-3HP)	(3-5HP)	(5-10HP)	(10-20HP)	(20-26HP)
Power Supply (Ph/V/Hz)	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
Dimension (W/D/H) (mm)	420/260/165	420/260/165	420/260/165	420/260/215	420/260/215
Shipping dimensions (mm)	520/340/225	520/340/225	520/340/225	520/340/275	520/340/275
Material	Galvanized steel	Galvanized steel	Galvanized steel	Galvanized steel	Galvanized steel
Color	Grey	Grey	Grey	Grey	Grey
Weight (KG)	5.5	5.5	5.5	6.5	6.5
Shipping Weight (KG)	8.5	8.5	8.5	10	10
Liquid pipe (mm)	9.52 (Main) / 6.35	9.52 (Main) / 6.35	9.52 (Main) / 6.35	12.7 (Main) / 15.88	12.7 (Main) / 15.88
AHU Kit-3rd party AHU Max Single pipe length (m)	5	5	5	5	5
AHU Kit-3rd party AHU Max Single pipe length (m)	5	5	5	5	5

