# **ARV III**

Model	Outdoor	ARV-H560/SR1MA
Capacity	Cooling	56.0
	Heating	63.0
Electric Data	Power Supply	380~415,50,3
	Cooling Power Input	16.7
	Heating Power Input	16.0
	Cooling Current	27.1
	Heating Current	25.4
Performance	Air Flow Volume	15000
	Noise Level	≤65
Piping Limitation	Vertical Pipe Length	Upper Outdoor: ≤70m;Lower Outdoor:≤90m
	Actual Pipe Length	165
	Equivalent Pipe Length	190
	Total Pipe length	1000
Max. No. of Indoor Units		25
Connection Ratio		50~130
Dimension(WxDxH)	Net	1340×765×1600
	Packing	1400×810×1800
Weight	Net	355
	Gross	371
Refrigerant Type		R410a
Pipe Diameter	Liquid Side	12.7
	Gas Side	28.6
Operation Range	Cooling	-5 °C~52 °C
	Heating	-20°C~24°C
Stuffing Quantity	20/40/40H	11/23/23



# **1.Newly Designed Structure**

"G" type condenser can expand the heat exchanging area in restricted space, so it can decrease the size of the outdoor unit, and can reduce the installation space. More compact design offers more beautiful appearance.

# 2. Precisely Refrigerant Flow Control

Refrigerant flow can be precisely adjusted by adopting double EXV, 1000 pulses adjustment, so the system can supply more stable temperature, terminal customer would have more comfortable experience.







### 3.Plate Heat Exchanger for Sub-cooling

Additional plate heat exchanger can cool down the refrigerant outlet from the condenser when the supper heating degree is high. So it can increase the enthalpy of each unit refrigerant, also can increase the liquid refrigerant percentage, low the resistance.

After adopt the technology , the piping system can be longer and higher, because of less resistance and less energy loss.



### 4. Drive-module Refrigerant Cooling Circuit

Specialized refrigerant pipe go through the heat radiator of the drive module. When the system operate ,the drive module will produce large capacity of heating, and the heating should be released quickly , otherwise the drive module would be damaged .temperature of the refrigerant is lower than the drive module , so the refrigerant can cool down the drive module. So this design can protect the drive module from damage.



## **5.Patented Oil Return Design**

Oil separator , oil return capillary , gas and liquid separator, oil throwing pipe make up the oil return design system, this patented design can reclaim the oil and even the oil between compressor .

Oil return program can automatically run when the system need to come into the oil return function, and it will last 3 minutes, then back the running status before. This function can return the oil in the pipe and the indoor units, even the oil among modules.



### **6.Various Indoor Units**

