



R410A

AMV5 MINI

VRF system

Description

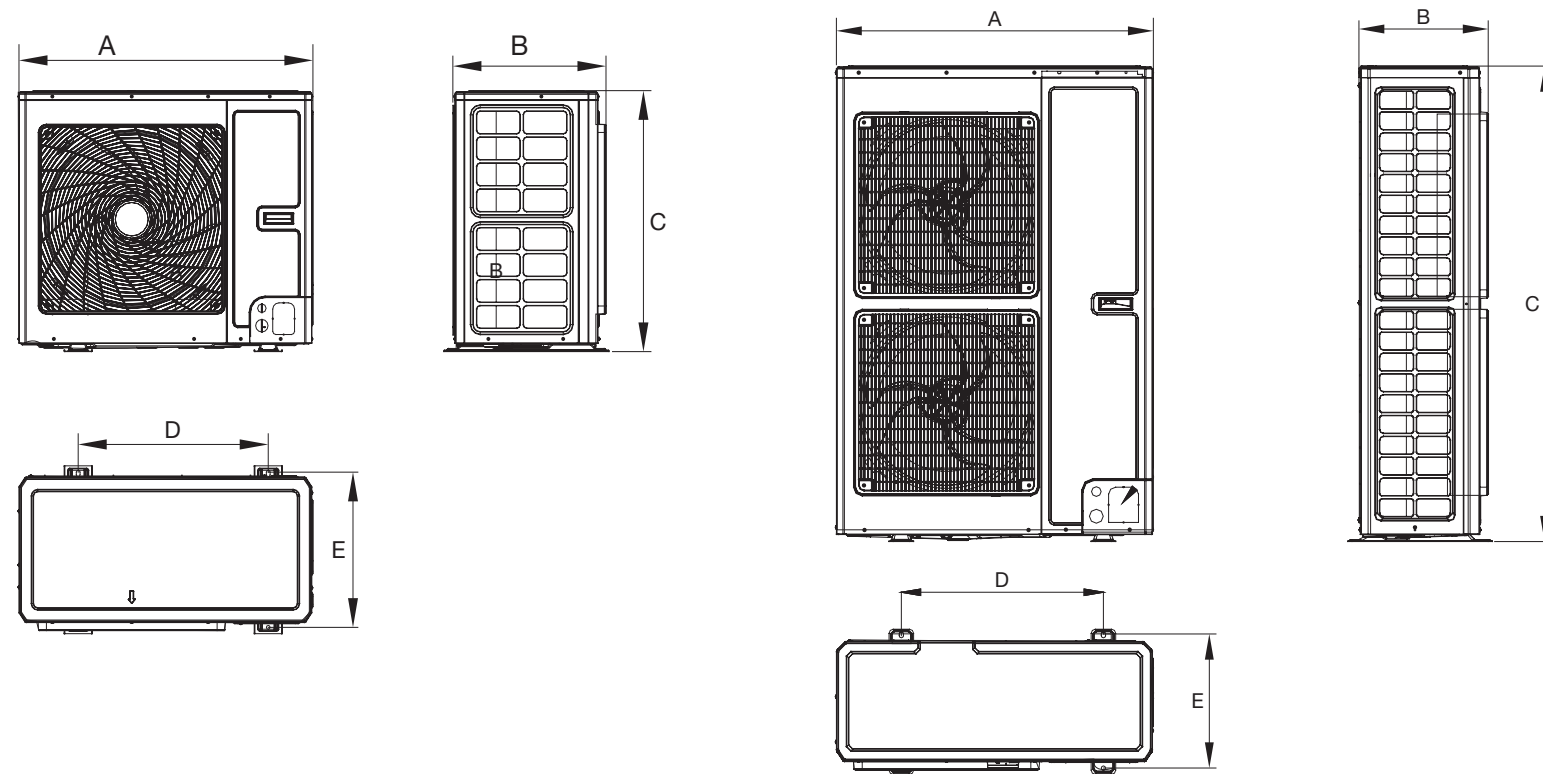
It is a kind of VR system that adopt DC inverter compressor and the outdoor unit could be connected with several indoor units to realize independent cooling or heating control in different rooms.

- Advanced control functions;
- Better reliability;
- Compact outdoor unit;
- DC inverter scroll compressor;
- Flexible piping design.

Model			AMV5-O80/M	AMV5-O100/M	AMV5-O120/M3	AMV5-O140/M3	AMV5-O160/M3
Capacity	Cooling	kW	8	10	12.1	14	16
	Heating	kW	9	11	14	16.5	18
SEER			5.12	5.12	6.7	6.79	6.55
EER			3.90	3.70	3.97	3.52	3.30
SCOP			3.8	3.8	3.93	4.24	4.06
COP			4.74	4.40	4.28	4.14	3.85
Power consumption	Cooling	kW	2.05	2.7	3.05	3.98	4.85
	Heating	kW	1.9	2.5	3.27	3.99	4.67
Sound pressure level	dB(A)		56	56	56	56	58
Sound power level	dB(A)		68	69	72	73	76
Min. circuit/Max. fuse current	A		21.4/25	22.4/25	11.1/14	12/16	12.5/16
Power Supply			220-240/1/50 & 208-230/1/60		380-415/3/50		
Refrigerant charge volume	kg		1.8	1.8	3.3	3.3	3.3
Maximum drive IDU NO.	unit		4	5	7	8	9
Dimensions (WxDxH)	Outline	mm	980x360x790		900x340x1345		
	Package	mm	1097x477x937		998x458x1500		
Connection pipe	Gas pipe	mm	Φ 15.9			Φ 19.05	
	Liquid pipe	mm	Φ 9.52				
Net weight/Gross weight	kg		80		122/133		

The ODU operation temperature range is **-5~52C** in cooling and **-20~27C** in heating
 The data is measured under following conditions. Cooling: Indoor temp. 27C DB, 19C WB, and outdoor temp. 35C DB.
 Heating: Indoor temp. of 20 C DB and outdoor temp. of 7C DB, 6C WB.
 Sound pressure level was measured at a distance 1m.

Dimensions



	A	B	C	D	E
AMV5-O80/M	980	360	790	650	395
AMV5-O100/M					

	A	B	C	D	E
AMV5-O120/M3					
AMV5-O140/M3	900	340	1343	610	486
AMV5-O160/M3					

Advantages



All DC inverter technology



Long connection pipe design



Wide operation range



Golden fin condenser



Compact design



High efficiency



Long-distance monitoring

300 m Pipe Design for Flexible Installation

AMV 5 mini system can be applied in different types of building construction. One of its advantages is the simple pipe design, which will simplify the installation and reduce installation cost.

- max total pipe length reaches 300m (with limitation)
- actual pipe length between the outdoor unit and the farthest indoor unit 120m
- max height difference between indoor unit and outdoor unit: 50m

