

Technical features

Model Outdoor unit		SYSVRF	252 AIR EVO HP R	280 AIR EVO HP R	335 AIR EVO HP R	400 AIR EVO HP R	450 AIR EVO HP R	500 AIR EVO HP R	560 AIR EVO HP R	615 AIR EVO HP R
Art. no.			314744	314745	314746	314747	314749	314750	314775	314776
Power supply		V/Ph/Hz	380-415/3/50 or 60							
Cooling capacity		kW	25,2	28	33,5	40	45	50	56	61,5
Power input		kW	5,36	6,22	7,79	9,3	10,98	12,82	14,51	16,44
EER			4,7	4,5	4,3	4,3	4,1	3,9	3,86	3,74
ESEER			8,25	7,90	7,54	7,54	7,20	7,36	7,28	7,04
Heating capacity		kW	27	31,5	37,5	45	50	56	63	69
Power input		kW	4,82	5,94	7,65	9,38	10,87	13,18	15,29	17,12
COP			5,6	5,3	4,9	4,8	4,6	4,25	4,12	4,03
Max. current		A	19,8	19,8	20,6	25,9	25,9	29	42	42
Compressor	Quantity	pcs	1 DC Inverter/ Scroll				2 DC Inverter/ Scroll			
	Power input	kW	10,3	10,3	11,3	15,6	15,6	17,6	18,9	18,9
	Refrigerant oil	ml	500	500	500	2x500				
Fan	Type/motor		1 Axial / DC motor			2 Axial / DC motor				
	Static pressure	Pa	0-20			0-20				
	Air flow	m3/h	12.000	12.000	12.000	14.000	14.000	16.000	16.000	16.000
Sound pressure level		dB(A)	58	59	60	62	62	63	63	63
Refrigerant	Type		R410A							
	Factory charge	kg	9	9	11	13	13	13	16	16
Dimension (LxWxH)		mm	990x1635x790				1340x1635x790			
Packing (LxWxH)		mm	1055x1805x855				1405x1805x855			
Net/gross weight		kg	219/234	219/234	237/252	297/315	297/315	305/323	340/358	340/358
Piping dimension	Liquid pipe	mm (in)	12,7 (1/2")	12,7 (1/2")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	19,1 (3/4")	19,1 (3/4")	19,1 (3/4")
	Gas pipe	mm (in)	25,4 (1")		28,6 (1 1/8")	31,8 (1 1/4")				
Max quantity indoor units connection		pcs	13	16	20	23	26	29	33	36
Operating ambient temperature range		°C	Cooling -15 ... +48 / Heating -20 ... +24							

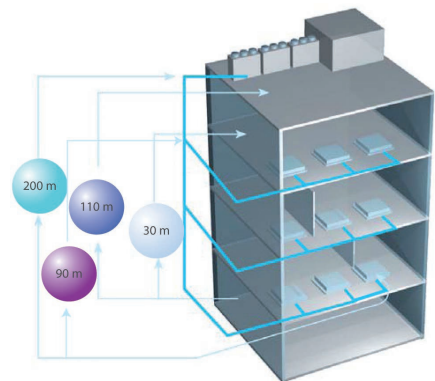
Nominal conditions

	Indoor unit	Outdoor unit	Piping lenght	Level difference
Cooling mode	27°C DB, 19°C WB	35°C DB, 24°C WB	5 m	0 m
Heating mode	20°C DB, 15°C WB	7°C DB, 6°C WB	5 m	0 m

The sound pressure value may vary depending on ambient conditions.

Piping Lenght

- Maximum piping equivalent lenght.
- Maximum piping (the farthest IDU from the first indoor unit branch) equivalent lenght.
- Maximum outdoor unit-indoor unit drop height.
- Maximum indoor unit to indoor unit drop height.



Outdoor units SYSVRF 252 to 2000 AIR EVO HP R			Permitted value
Piping lenght	Total piping lenght (actual)		1.000 m
	Maximum piping	Actual lenght	175 m
		Equivalent lenght	200 m
	Piping (the farthest IDU from the first indoor unit branch) equivalent lenght		40 m/90 m*
Drop height	Outdoor unit-indoor unit drop height	Outdoor unit down	110 m
		Outdoor unit up	50 m/70 m**
	Indoor unit to indoor unit drop height		30 m

* When the farthest pipe length is more than 40m, it needs to meet specific conditions according to the installation part of the technical manual.

** Level difference: less or equal to 50m is standard; more than 50m is available to be customized.