

			JM-09SA/XA21	JM-12SA/XA21	JM-18SA/XA21	JM-24SA/XA21	JM-32SA/XA21
Type			heating pump	heating pump	heating pump	heating pump	heating pump
Control type			remote	remote	remote	remote	remote
Rated cooling capacity	Btu/h;W		9000(2800-11500)	12000(3410-13000)	18000(4095-19500)	24000(5120-24900)	32000(6142-34120)
Rated heating capacity	Btu/h;W		9500(3210-12500)	12500(3480-13500)	18000(4095-19500)	24000(5120-24900)	32499(5800-34461)
EER for cooling	W/W		3.05	3.05	3.05	3.05	3.05
COP for heating	W/W		3.15	3.15	3.15	3.15	3.15
Moisture removal	Liters/h		1	1.2	1.8	2.2	2.8
Pressure	High(DP)	MPa	4.5	4.5	4.5	4.5	4.5
	Low(SP)	MPa	1.9	1.9	1.9	1.9	1.9
Indoor noise level(S/H/M/L/Mute)	dB(A)		38/35/32/27/25	39/37/34/30/27	43/40/38/35/33	49/47/45/43/41	49
Outdoor noise level	dB(A)		48	49	52	55	59
Electrical Data							
Power supply			220-240V~ /50Hz/1P	220-240V~ /50Hz/1P	220-240V~ /50Hz/1P	220-240V~ /50Hz/1P	220-240V~ /50Hz/1P
Voltage Range	V		187-265	187-265	198-242	198-242	198-242
Rated current	Cooling	A	3.9(1.2-7.2)	5.2(1.8-8.0)	7.8(1.4-12.0)	10.5(1.5-13.5)	11.1(1.8-14.9)
	Heating	A	4.0(1.2-7.5)	5.3(1.8-8.5)	7.8(1.4-12.0)	10.3(1.5-13.0)	12.1(1.9-16.5)
Rated input	Cooling	W	860(240-1250)	1150(320-1600)	1730(300-2500)	2300(350-2800)	3075(300-3100)
	Heating	W	880(240-1350)	1160(320-1500)	1720(300-2500)	2200(350-2700)	3020(300-3500)
Max Current	Cooling	A	7.2	8	12	13.5	14.9
	Heating	A	7.5	8.5	12	13	16.5
Max Power input	Cooling	W	1250	1600	2500	2800	3100
	Heating	W	1350	1500	2500	2700	3500
Refrigerating&Fan System							
Refrigerant/Charge	kg		R410A/0.480	R410A/0.57	R410A/1.06	R410A/1.37	R410A/2.01
Compressor	Type		Rotary	Rotary	Rotary	Rotary	Rotary
	Brand		RECHI	GMCC	GMCC	SANYO	SANYO
Expansion device			Capillary tube	Capillary tube	Capillary tube	Capillary tube	Capillary tube
Indoor air circulation(Cooling/Heating)	m ³ /h		430/430	550/550	1300/1300	1300/1300	1500/1550
Evaporator	a.Number of rows		1	1	2	2	2
	e.Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ9.52,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube
Condenser	a.Number of rows		1	1	1	2	2
	e.Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ9.52,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube
Connections							
Connecting Pipe	Gas	mm	Φ9.52(3/8")	Φ9.52(3/8")	Φ9.52(3/8")	Φ12(1/2")	Φ15.88(5/8")
	Liquid	mm	Φ6(1/4")	Φ6(1/4")	Φ6(1/4")	Φ6(1/4")	Φ6(1/4")
Connecting Wiring	Size x Core number		4×1.0	4×1.0	3×1.5;4×0.75	3×1.5;4×0.75	3×1.5;4×0.75
Others							
Suitable area	m ²		9-16	15-23	20-30	30-50	40-65
Max. refrigerant pipe length	m		15	15	15	15	15
Max. difference in level	m		5	5	5	5	5
Operation temperature range	℃		16-31	16-31	16-31	16-31	16-31
Net dimensions (W x D x H)	Indoor	mm	698×255×190	777×250×201	910×294×206	1010×315×220	1186×258×340
	Outdoor	mm	712×276×459	712×276×459	853×349×602	853×349×602	976×421×804
Net weight	Indoor	kg	6.5	7	10	11.5	17
	Outdoor	kg	21	20.67	28	32	47
Packing dimensions (W x D x H)	Indoor	mm	764×325×257	850×320×275	979×372×277	1096×390×297	1265×337×420
	Outdoor(w/o pipe)	mm	765×310×481	765×310×481	890×385×628	890×385×628	1022×480×835
Gross weight	Indoor	kg	8.5	8.7	13	14	20
	Outdoor(w/i pipe)	kg	23	23	32	35	51
Loading Capacity w/i pipe	20'/40'GP/40'HQ		375	320	250	196	104