

## Technical specifications heat pump

Outdoor unit			RAS-10SAV-A	RAS-13SAV-A	RAS-16SAV-A	RAS-18SAV2-A	RAS-22SAV2-A
Indoor unit			RAS-10SKV-A	RAS-13SKV-A	RAS-16SKV-E	RAS-18SKV-A	RAS-22SKV-A
Cooling capacity	kW		2.5	3.5	4.5	5.0	6.0
Cooling range (min. – max.)	kW		1.1 – 3.0	1.1 – 4.0	0.8 – 5.0	1.1-6.0	1.2 – 6.7
Power input (min. – rated – max)	kW	C	0.255 – 0.750 – 0.965	0.250 – 1.070 – 1.330	0.150 – 1.595 – 1.900	0.15 - 1.42 - 2.000	0.200 – 1.995 – 2.650
EER	W/W		3.33	3.27	2.82	3.52	3.01
Energy Star Rating		C	★★★★★	★★★★★	★★★	★★★★★	★★★★★
Annual energy consumption	KWh		375	535	798	710	998
Heating capacity	kW		3.2	4.2	5.3	5.8	7.0
Heating range (min. – max.)	kW		0.9 – 4.1	0.9 – 5.0	0.9 – 6.2	0.9 - 6.2	1.0 – 7.5
Power input (min. – rated – max)	kW	H	0.200 – 0.860 – 1.200	0.170 – 1.130 – 1.480	0.150 – 1.550 – 1.810	0.15 - 1.56 - 1.700	0.180 – 2.050 – 2.210
COP	W/W		3.72	3.72	3.42	3.72	3.41
Energy Star Rating		H	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
Indoor unit			RAS-10SKV-A	RAS-13SKV-A	RAS-16SKV-A	RAS-18SKV-E	RAS-22SKV-E
Air flow (max.)	m <sup>3</sup> /h l/s	C	522 – 145	563 – 156	691 – 192	954 – 265	1080 – 300
Sound pressure level (l/m/h)	dB(A)	C	29/33 / 38	26 / 33 / 39	30 / 40 / 45	32/38/44	35 / 41 / 47
Air flow (max.)	m <sup>3</sup> /h– l/s	H	576 – 160	630 – 175	743 – 206	990-275	1098/305
Sound pressure level (l/m/h)	dB(A)	H	30 / 35 / 40	28 / 34 / 40	31 / 40 / 45	32/39/44	35 / 42 / 47
Dimensions (h x w x d)	mm		250 x 740 x 195	275 x 790 x 205	275 x 790 x 205	320 X 1050 X 228	320 x 1050 x 228
Weight	kg		8.0	9.0	9.0	13	13.0
Outdoor unit			RAS-10SAV-A	RAS-13SAV-A	RAS-16SAV-A	RAS-18SAV-E	RAS-22SAV-E
Air flow	m <sup>3</sup> /h l/s		1620 – 450	2100 – 583	2100 – 583	1914-532	2232 – 620
Sound pressure level	dB(A)	C	48	48	49	49	52
Sound power level	dB(A)	C	61	61	62	64	67
Operating range	°C	C	-15 ~ 43	-10 ~ 46	-10 ~ 46	-10~ 46	-10 ~ 46
Sound pressure level	dB(A)	H	50	50	50	50	51
Sound power level	dB(A)	H	63	63	63	65	66
Operating range	°C	H	-10 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24
Dimensions (h x w x d)	mm		550 x 660 x 240	550 x 780 x 290	550 x 780 x 290	550 X 780 X 290	550 x 780 x 290
Weight	kg		29	35	35	39	40
Compressor type			DC Rotary	DC Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary
Flare connections - gas	in		3/8	3/8	1/2	1/2	1/2
Flare connections - liquid	in		1/4	1/4	1/4	1/4	1/4
Minimum pipe length	m		1	1	1	2	2
Maximum pipe length	m		10	20	20	20	20
Maximum height difference	m		8	10	10	10	10
Chargeless pipe length	m		10	15	15	15	15
Power supply	V-ph-Hz		220-240/1/50	220-240/1/50	220-240/1/50	220/240/1/50	220-240/1/50
Electrical connection to			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Recommended power cable size	mm <sup>2</sup>		2.5	2.5	2.5	2.5	2.5
Interconnecting cable - no. and size	mm <sup>2</sup>		4 / 1.0	4 / 1.0	4 / 1.0	4 / 1.0	4 / 1.0

C = cooling mode  
H = heating mode

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