

SEIYA- R32 Performance data

Outdoor unit	Europe	RAS-05E2AVG-E	RAS-07E2AVG-E	RAS-10E2AVG-E	RAS-13E2AVG-E	RAS-16E2AVG-E	RAS-18E2AVG-E	RAS-24E2AVG-E
Indoor unit		RAS-B05E2KVG-E	RAS-B07E2KVG-E	RAS-B10E2KVG-E	RAS-B13E2KVG-E	RAS-B16E2KVG-E	RAS-B18E2KVG-E	RAS-B24E2KVG-E
Cooling capacity	kW	1.5	2.0	2.5	3.3	4.2	5.0	6.5
Cooling range (min. - max.)	kW	(0.75 - 2.00)	(0.76 - 2.60)	(0.80 - 3.00)	(1.20 - 3.60)	(1.40 - 4.70)	(1.45 - 5.50)	(1.7 - 7.2)
Power input (min. -rated - max.)	kW C	(0.20 - 0.36 - 0.57)	(0.20 - 0.53 - 0.83)	(0.20 - 0.70 - 1.00)	(0.25 - 1.10 - 1.25)	(0.34 - 1.27 - 1.60)	(0.34 - 1.50 - 1.80)	(0.41 - 2.25 - 2.60)
Pdesignc	kW	1.5	2.0	2.5	3.3	4.2	5.0	6.5
EER	W/W	4.17	3.77	3.57	3.00	3.31	3.33	2.89
SEER		6.9	6.9	7.0	7.0	7.0	7.0	6.9
Energy efficiency class	C	A++	A++	A++	A++	A++	A++	A++
Seasonal electricity consumption	kWh/a C	76	101	125	165	210	250	330
Heating capacity	kW	2.0	2.5	3.2	3.6	5.0	5.4	7.0
Heating range (min. - max.)	kW	(0.8 - 3.00)	(0.82 - 3.30)	(0.95 - 3.90)	(0.97 - 4.50)	(1.30 - 6.00)	(1.35 - 6.00)	(1.5 - 8.1)
Power input (min. -rated - max.)	kW H	(0.16 - 0.47 - 0.85)	(0.16 - 0.64 - 0.94)	(0.18 - 0.86 - 1.11)	(0.18 - 0.92 - 1.25)	(0.24 - 1.34 - 1.70)	(0.26 - 1.50 - 1.80)	(0.29 - 2.10 - 2.55)
Pdesignh (Tbiv-7°C)	kW	1.6	2.0	2.4	2.7	3.6	3.8	5.4
COP	W/W	4.26	3.91	3.72	3.91	3.73	3.60	3.33
SCOP		4.6	4.6	4.6	4.6	4.6	4.4	4.3
Energy efficiency class	H	A++	A++	A++	A++	A++	A+	A+
Seasonal electricity consumption	kWh/a H	487	609	730	822	1095	1209	1757
SCOP (warm climate)		5.20	5.34	5.38	5.40	5.57	5.62	5.35
Energy efficiency class (warm climate)		A+++	A+++	A+++	A+++	A+++	A+++	A+++

SEIYA- R32 Physical data indoor

Indoor unit	Europe	RAS-B05E2KVG-E	RAS-B07E2KVG-E	RAS-B10E2KVG-E	RAS-B13E2KVG-E	RAS-B16E2KVG-E	RAS-B18E2KVG-E	RAS-B24E2KVG-E
Air flow (h)	m³/h - l/s C	480 - 134	500 - 140	510 - 142	540 - 152	750 - 208	790 - 222	1070 - 298
Air flow (l)	m³/h - l/s C	199 - 55	209 - 58	233 - 64	259 - 72	330 - 92	480 - 133	666 - 185
Sound pressure level (h/a)	dB(A) C	37/19	38/19	39/19	41/20	43/21	47/26	48/29
Sound power level (h)	dB(A) C	50	51	52	54	56	60	61
Air flow (h)	m³/h - l/s H	480 - 134	500 - 140	510 - 144	560 - 158	760 - 213	840 - 233	860 - 234
Air flow (l)	m³/h - l/s H	199 - 55	209 - 58	233 - 64	271 - 75	340 - 94	500 - 139	730 - 203
Sound pressure level (h/a)	dB(A) H	37/19	38/19	39/20	42/20	43/22	48/26	48/29
Sound power level (h)	dB(A) H	50	51	52	55	56	61	61
Dimensions (hwxwd)	mm	288 x 770 x 225	288 x 770 x 225	288 x 770 x 225	288 x 770 x 225	293 x 798 x 230	293 x 798 x 230	320 x 1050 x 250
Weight	kg	9	9	9	9	9	9	15

SEIYA- R32 Physical data outdoor

Outdoor unit	Europe	RAS-05E2AVG-E	RAS-07E2AVG-E	RAS-10E2AVG-E	RAS-13E2AVG-E	RAS-16E2AVG-E	RAS-18E2AVG-E	RAS-24E2AVG-E
Air flow (max)	m³/h - l/s C	1690 - 470	1800 - 500	1800 - 500	1980 - 550	2160 - 600	2160 - 600	2220 - 617
Sound pressure level (h)	dB(A) C	47	47	47	48	50	50	54
Sound pressure level (Silent CDU#2)	dB(A) C	42	42	43	43	43	44	49
Sound power level (h)	dB(A) C	60	60	60	61	63	63	67
Sound power level (Silent CDU#2)	dB(A) C	55	55	56	56	56	57	62
Operating range	°C C	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46
Air flow (max)	m³/h - l/s H	1690 - 470	1800 - 500	1800 - 500	1980 - 550	2160 - 600	2160 - 600	2220 - 617
Sound pressure level (h)	dB(A) H	48	49	49	49	51	51	54
Sound pressure level (Silent CDU#2)	dB(A) H	42	42	43	43	46	46	49
Sound power level (h)	dB(A) H	61	62	62	62	64	64	67
Sound power level (Silent CDU#2)	dB(A) H	55	55	56	56	59	59	62
Operating range	°C H	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15-24	-15-24	-15-24
Dimensions (hwxwd)	mm	530 x 660 x 240	530 x 660 x 240	530 x 660 x 240	530 x 660 x 240	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Weight	kg	21	21	22	22	30	34	38
Compressor type		DC Rotary	DC Rotary	DC Rotary	DC Rotary	DC Rotary	DC Rotary	DC Twin Rotary
Flare connections (gas-liquid)		3/8" - 1/4"	3/8" - 1/4"	3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"	1/2" - 1/4"	1/2" - 1/4"
Minimum pipe length	m	2	2	2	2	2	2	2
Maximum pipe length	m	15	15	15	15	20	20	20
Maximum height difference	m	12	12	12	12	12	12	12
Chargeless pipe length	m	15	15	15	15	15	15	15
Remote controller		WH-TG01NE	WH-TG01NE	WH-TG01NE	WH-TG01NE	WH-TG01NE	WH-TG01NE	WH-TG01NE
Refrigerant charge (R32)	kg	0.34	0.34	0.49	0.54	0.68	0.93	1.18
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	220-240/1/50	220-240/1/50

C: cooling mode
H: heating mode