

## SHORAI EDGE BLACK & WHITE

### SHORAI EDGE BLACK & WHITE Performance data

Outdoor unit		RAS-07J2AVSG-E1	RAS-10J2AVSG-E1	RAS-13J2AVSG-E1	RAS-16J2AVSG-E1	RAS-18J2AVSG-E1	RAS-22J2AVSG-E1	RAS-24J2AVSG-E1
Indoor unit White		RAS-B07G3KVSG-E	RAS-B10G3KVSG-E	RAS-B13G3KVSG-E	RAS-B16G3KVSG-E	RAS-B18G3KVSG-E	RAS-B22G3KVSG-E	RAS-B24G3KVSG-E
Indoor unit Black		RAS-B07G3KVSGB-E	RAS-B10G3KVSGB-E	RAS-B13G3KVSGB-E	RAS-B16G3KVSGB-E	RAS-B18G3KVSGB-E	RAS-B22G3KVSGB-E	RAS-B24G3KVSGB-E
<b>Cooling capacity</b>	<b>kW</b>	<b>2.0</b>	<b>2.5</b>	<b>3.5</b>	<b>4.6</b>	<b>5.0</b>	<b>6.1</b>	<b>7.0</b>
Cooling range (min. - max.)	kW	(0.89 - 2.90)	(0.89 - 3.20)	(1.00 - 4.10)	(1.20 - 5.30)	(1.20 - 6.00)	(1.39 - 6.70)	(1.70 - 7.70)
Power input (min. - rated - max.)	kW C	(0.19 - 0.39 - 0.67)	(0.19 - 0.54 - 0.79)	(0.25 - 0.90 - 1.12)	(0.34 - 1.35 - 1.72)	(0.35 - 1.42 - 2.00)	(0.36 - 1.99 - 2.20)	(0.38 - 2.25 - 2.55)
Pdesignc	kW	2.0	2.5	3.5	4.6	5.0	6.1	7.0
EER	W/W	5.13	4.63	3.89	3.41	3.52	3.07	3.11
SEER		8.5	8.6	8.6	7.8	7.3	7.3	6.3
Energy efficiency class D→A+++*	C	A+++	A+++	A+++	A++	A++	A++	A++
Seasonal electricity consumption	kWh/a C	82	102	142	206	242	292	389
<b>Heating capacity</b>	<b>kW</b>	<b>2.5</b>	<b>3.2</b>	<b>4.2</b>	<b>5.5</b>	<b>6.0</b>	<b>7.0</b>	<b>8.0</b>
Heating range (min. - max.)	kW	(0.90 - 3.60)	(0.90 - 4.80)	(1.00 - 5.30)	(1.10 - 6.50)	(1.10 - 6.50)	(1.15 - 7.50)	(1.70 - 8.80)
Power input (min. - rated - max.)	kW H	(0.16 - 0.50 - 0.80)	(0.16 - 0.70 - 1.23)	(0.20 - 1.08 - 1.55)	(0.24 - 1.52 - 1.90)	(0.25 - 1.59 - 1.75)	(0.26 - 1.88 - 2.10)	(0.29 - 2.35 - 2.75)
Pdesignh	kW	2.3	2.5	3.2	4.00	4.3	4.7	6.3
COP	W/W	5.00	4.57	3.89	3.62	3.77	3.72	3.40
SCOP		5.1	5.1	5.1	4.6	4.6	4.6	4.1
Energy efficiency class D→A+++*	H	A+++	A+++	A+++	A++	A++	A++	A+
Seasonal electricity consumption	kWh/a H	631	686	878	1217	1309	1430	2149

(\*) The energy efficiency class range of this product category is D→A+++

### SHORAI EDGE BLACK & WHITE Physical data indoor

Indoor unit White		RAS-B07G3KVSG-E	RAS-B10G3KVSG-E	RAS-B13G3KVSG-E	RAS-B16G3KVSG-E	RAS-B18G3KVSG-E	RAS-B22G3KVSG-E	RAS-B24G3KVSG-E
Indoor unit Black		RAS-B07G3KVSGB-E	RAS-B10G3KVSGB-E	RAS-B13G3KVSGB-E	RAS-B16G3KVSGB-E	RAS-B18G3KVSGB-E	RAS-B22G3KVSGB-E	RAS-B24G3KVSGB-E
Air Flow (h)	m³/h - l/s C	660 - 183	660 - 183	732 - 203	750 - 208	990 - 274	1032 - 286	1122 - 311
Air Flow (l)	m³/h - l/s C	312 - 86	312 - 86	342 - 95	360 - 100	570 - 158	690 - 191	720 - 199
Sound pressure level (h/a)	dB(A) C	40/19	40/19	43/19	44/21	44/26	45/27	47/28
Sound power level (h)	dB(A) C	53	53	56	57	57	58	60
Air Flow (h)	m³/h - l/s H	660 - 183	660 - 183	732 - 203	768 - 213	990 - 274	1080 - 299	1140 - 316
Air Flow (l)	m³/h - l/s H	312 - 86	312 - 86	342 - 95	360 - 100	570 - 158	690 - 191	750 - 208
Sound pressure level (h/a)	dB(A) H	40/19	40/19	43/19	44/22	44/26	46/27	48/28
Sound power level (h)	dB(A) H	53	53	56	57	57	59	61
Dimensions (hwxwd)	mm	293x800x226	293x800x226	293x800x226	293x800x226	320x1053x245	320x1053x245	320x1053x245
Weight	kg	10	10	10	10	14	14	14
Remote controller (White)		WH-UA06UE	WH-UA06UE	WH-UA06UE	WH-UA06UE	WH-UA06UE	WH-UA06UE	WH-UA06UE
Remote controller (Black)		WH-UA04UE	WH-UA04UE	WH-UA04UE	WH-UA04UE	WH-UA04UE	WH-UA04UE	WH-UA04UE

### SHORAI EDGE BLACK & WHITE Physical data outdoor

Outdoor unit		RAS-07J2AVSG-E	RAS-10J2AVSG-E1	RAS-13J2AVSG-E1	RAS-16J2AVSG-E1	RAS-18J2AVSG-E	RAS-22J2AVSG-E	RAS-24J2AVSG-E
Air Flow (max)	m³/h - l/s C	1890 - 524	1890 - 524	1950 - 540	2040 - 566	2076 - 576	2184 - 607	2916 - 810
Sound pressure level (h)	dB(A) C	44	44	46	48	48	49	50
Sound pressure level (Silent CDU#2)	dB(A) C	36	37	39	40	42	43	43
Sound power level (h)	dB(A) C	57	57	59	61	63	62	63
Sound power level (Silent CDU#2)	dB(A) C	49	50	52	53	55	56	56
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	1890 - 524	1890 - 524	1950 - 540	2040 - 566	2076 - 576	2184 - 607	2916 - 810
Sound pressure level (h)	dB(A) H	46	46	48	50	50	51	53
Sound pressure level (Silent CDU#2)	dB(A) H	38	39	43	43	44	46	46
Sound power level (h)	dB(A) H	59	59	61	63	63	64	66
Sound power level (Silent CDU#2)	dB(A) H	51	52	56	56	57	59	59
Operating range	°C H	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24
Dimensions (hwxwd)	mm	550x780x290	550x780x290	550x780x290	550x780x290	550x780x290	550x780x290	630x800x300
Weight	kg	26	26	30	33	34	34	42
Compressor type		DC Rotary	DC Rotary	DC Rotary	DC Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary
Flare connections (gas-liquid)		3/8" - 1/4"	3/8" - 1/4"	3/8" - 1/4"	1/2" - 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	20	20	20	20	20	20	25
Maximum height difference	m	12	12	12	12	12	12	15
Chargeless pipe length	m	15	15	15	15	15	15	15
Refrigerant charging(R32)	kg	0.55	0.55	0.8	0.8	1.1	1.1	1.14
Power supply	V-ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50

C: cooling mode  
H: heating mode