

### HAORI Performance data

Outdoor unit	Europe		RAS-10J2AVSG-E1	RAS-13J2AVSG-E1	RAS-16J2AVSG-E1
Indoor unit			RAS-B10N4KVRG-E1	RAS-B13N4KVRG-E	RAS-B16N4KVRG-E
<b>Cooling capacity</b>	<b>kW</b>		<b>2.5</b>	<b>3.5</b>	<b>4.6</b>
Cooling range (min. - max.)	kW		(0.89 - 3.20)	(1.00 - 4.10)	(1.20 - 5.30)
Power input (min. -rated - max.)	kW	C	(0.19 - 0.54 - 0.79)	(0.25 - 0.80 - 1.12)	(0.34 - 1.35 - 1.72)
Pdesignc	kW		2.5	3.5	4.6
EER	W/W		4.63	4.38	3.41
SEER			8.60	8.70	7.80
Energy efficiency class D→A+++*		C	A+++	A+++	A++
Seasonal electricity consumption	kWh/a	C	102	142	206
<b>Heating capacity</b>	<b>kW</b>		<b>3.2</b>	<b>4.2</b>	<b>5.5</b>
Heating range (min. - max.)	kW		(0.90 - 4.70)	(1.00 - 5.30)	(1.10 - 6.30)
Power input (min. -rated - max.)	kW	H	(0.18 - 0.74 - 1.23)	(0.20 - 1.08 - 1.55)	(0.30 - 1.52 - 1.90)
Pdesignh	kW		2.5	3.2	4.00
COP	W/W		4.32	3.89	3.62
SCOP			5.10	5.10	4.60
Energy efficiency class D→A+++*		H	A+++	A+++	A++
Seasonal electricity consumption	kWh/a	H	684	876	1214

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

### HAORI Physical data indoor

Indoor unit	Europe		RAS-B10N4KVRG-E1	RAS-B13N4KVRG-E	RAS-B16N4KVRG-E
Air flow (h)	m³/h - l/s	C	600 - 166	670 - 186	690 - 180
Air flow (l)	m³/h - l/s	C	300 - 83	320 - 89	340 - 83
Sound pressure level (h/q)	dB(A)	C	41/19	43/19	45/21
Sound power level (h)	dB(A)	C	54	56	58
Air flow (h)	m³/h - l/s	H	610 - 169	680 - 189	730 - 186
Air flow (l)	m³/h - l/s	H	300 - 86	320 - 89	360 - 83
Sound pressure level (h/q)	dB(A)	H	41/19	43/19	45/22
Sound power level (h)	dB(A)	H	54	56	58
Dimensions (hxwx d)	mm		300 x 987 x 210	300 x 987 x 210	300 x 987 x 210
Weight	kg		11	11	12
Remote controller			WH-UA01UE	WH-UA01UE	WH-UA01UE

### HAORI Physical data outdoor

Outdoor unit	Europe		RAS-10J2AVSG-E1	RAS-13J2AVSG-E1	RAS-16J2AVSG-E1
Air flow (max)	m³/h - l/s	C	1890 - 524	1950 - 540	2040 - 566
Sound pressure level (h)	dB(A)	C	44	46	48
Sound pressure level (Silent CDU#2)	dB(A)	C	37	39	40
Sound power level (h)	dB(A)	C	57	59	61
Sound power level ((Silent CDU#2)	dB(A)	C	50	52	53
Operating range	°C	C	-15 ~ 46	-15 ~ 46	-15 ~ 46
Air flow (max)	m³/h - l/s	H	1890 - 524	1950 - 540	2040 - 566
Sound pressure level (h)	dB(A)	H	46	48	50
Sound pressure level (Silent CDU#2)	dB(A)	H	39	43	43
Sound power level (h)	dB(A)	H	59	61	63
Sound power level ((Silent CDU#2)	dB(A)	H	52	56	56
Operating range	°C	H	-15 ~ 24	-15 ~ 24	-15 ~ 24
Dimensions (hxwx d)	mm		550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Weight	kg		26	30	33
Compressor type			DC Rotary	DC Rotary	DC Rotary
Flare connections (gas-liquid)			3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"
Minimum pipe length	m		2	2	2
Maximum pipe length	m		20	20	20
Maximum height difference	m		12	12	12
Chargeless pipe length	m		15	15	15
Refrigerant charging (R32)	kg		0.55	0.8	0.8
Power supply	V-ph-Hz		230-1-50	230-1-50	230-1-50

C: cooling mode  
H: heating mode