

**EDGE
BLACK**



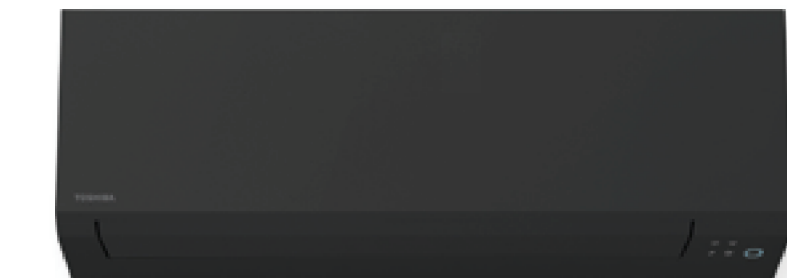
Ultra Pure Filter



HADA Care Flow



Wi-Fi Active



Minimalism, elegance & comfort... in total black!

Beautify your interior with a new stylish, contemporary design. With its straight lines, matte finish, and invisible piping pre-cuts, the Edge Black fits perfectly with any type of interior. Designed to maximize your comfort.



FEATURES



Energy Class A+++ in units up to < 3.5kW and A++ in units >3,5kW in cooling



Ultra-Pure Filter for a clean, healthy, dust-free atmosphere, without PM2.5 fine particles



With HADA Care flow (cooling mode), a set louvre position to generate indirect air flow to user, with better air distribution to homogenize room temperature



Wi-Fi Active



Silent Operation (outdoor unit) with Toshiba's unique noise reduction unction of outdoor unit down to 6dB(A) or your neighbourhood comfort



The unit boasts a 3D smart airflow system, with independent louvres and 6 patterns for unlimited comfort (only sizes 18, 22 & 24K BTU/H)



8°C heating protects your home and contents from freezing temperatures

TECHNICAL CHARACTERISTICS

PERFORMANCE DATA

OUTDOOR UNIT		RAS-10J2AVSG-E1	RAS-13J2AVSG-E1	RAS-16J2AVSG-E1	RAS-18J2AVSG-E	RAS-22J2AVSG-E	RAS-24J2AVSG-E
INDOOR UNIT		RAS-B10G3KVSGB-E	RAS-B13G3KVSGB-E	RAS-B16G3KVSGB-E	RAS-B18G3KVSGB-E	RAS-B22G3KVSGB-E	RAS-B24G3KVSGB-E
Cooling capacity	kW	2,50	3,50	4,60	5,00	6,10	7,00
Cooling capacity	BTU/H	8.530	11.943	15.696	17.061	20.814	23.885
Cooling range (min.-max.)	kW	0,89-3,20	1,00-4,10	1,20-5,30	1,20-6,00	1,39-6,70	1,70-7,70
Cooling range (min.-max.)	BTU/H	3.037-10.919	3.412-13.990	4.095-18.084	4.095-20.473	4.743-22.861	5.801-26.273
Power input (min.-rated-max.)	kW	C 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
EER	W/W	4.63	3.89	3.41	3.52	3.07	3.11
SEER		8.60	8.60	7.80	7.30	7.30	6.30
Energy efficiency class		C A+++	A+++	A++	A++	A++	A++
Seasonal electricity consumption	kWh/a	C 102	142	206	224	292	389
Heating capacity	kW	3,20	4,20	5,50	6,00	7,00	8,00
Heating capacity	BTU/H	10.919	14.331	18.767	20.473	23.885	27.797
Heating range (min.-max.)	kW	0,90-4,80	1,00-5,30	1,10-6,50	1,10-6,50	1,15-7,50	1,70-8,80
Heating range (min.-max.)	BTU/H	3.071-16.378	3.412-18.084	3.753-22.179	3.753-22.179	3.924-25.591	5.801-30.027
Power input (min.-rated-max.)	kW	H 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
COP	W/W	4.57	3.89	3.62	3.77	3.72	3.40
SCOP (average)		5.10	5.10	4.60	4.60	4.60	4.10
Energy efficiency class (average)		H A+++	A+++	A++	A++	A++	A+
SCOP (warmer)		6.60	6.80	5.90	6.00	6.00	5.50
Energy efficiency class (warmer)		H A+++	A+++	A+++	A+++	A+++	A+++
Seasonal electricity consumption	kWh/a	H 686	878	1.217	1.309	1.430	2.149

PHYSICAL DATA INDOOR

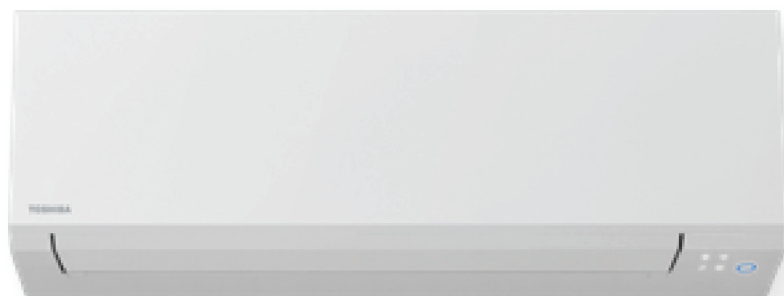
INDOOR UNIT		RAS-B10G3KVSGB-E	RAS-B13G3KVSGB-E	RAS-B16G3KVSGB-E	RAS-B18G3KVSGB-E	RAS-B22G3KVSGB-E	RAS-B24G3KVSGB-E
Air Flow (h)	m³/h-l/s	C 660-183	732-203	750-208	990-274	1.032-286	1.122-311
Air Flow (l)	m³/h-l/s	C 312-86	342-95	360-100	570-158	690-191	720-199
Sound pressure level (h/q)	dB(A)	C 40/19	43/19	44/21	44/26	45/27	47/28
Sound power level (h)	dB(A)	C 53	56	57	57	58	60
Air Flow (h)	m³/h-l/s	H 660-183	732-203	768-213	990-274	1.080-299	1.140-316
Air Flow (l)	m³/h-l/s	H 312-86	342-95	360-100	570-158	690-191	750-208
Sound pressure level (h/q)	dB(A)	H 40/19	43/19	44/22	44/26	46/27	48/28
Sound power level (h)	dB(A)	H 53	56	57	57	59	61
Dimensions (H×W×D)	mm	293×800×226	293×800×226	293×800×226	320×1.053×245	320×1.053×245	320×1.053×245
Weight	Kg	10	10	10	14	14	14

PHYSICAL DATA OUTDOOR

OUTDOOR UNIT		RAS-10J2AVSG-E1	RAS-13J2AVSG-E1	RAS-16J2AVSG-E1	RAS-18J2AVSG-E1	RAS-22J2AVSG-E1	RAS-24J2AVSG-E1
Air Flow (max)	m³/h-l/s	C 1.890-524	1.950-540	2.040-566	2.076-576	2.184-607	2.916-810
Sound pressure level (h)	dB(A)	C 44	46	48	48	49	50
Sound pressure level (silent CDU#2)	dB(A)	C 37	39	40	42	43	43
Sound power level (h)	dB(A)	C 57	59	61	63	62	63
Sound power level (silent CDU#2)	dB(A)	C 50	52	53	55	56	56
Operating range	°C	C -15-46	-15-46	-15-46	-15-46	-15-46	-15-46
Air Flow (max)	m³/h-l/s	H 1.890-524	1.950-540	2.040-566	2.076-576	2.184-607	2.916-810
Sound pressure level (h)	dB(A)	H 46	48	50	50	51	52
Sound pressure level (silent CDU#2)	dB(A)	H 39	43	43	44	46	46
Sound power level (h)	dB(A)	H 59	61	63	63	64	65
Sound power level (silent CDU#2)	dB(A)	H 52	56	56	57	59	59
Operating range	°C	H -15-24	-15-24	-15-24	-15-24	-15-24	-15-24
Dimensions (H×W×D)	mm	550×780×290	550×780×290	550×780×290	550×780×290	550×780×290	630×800×300
Weight	Kg	26	30	33	34	34	42
Compressor type		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"	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
Maximum pipe length	m	20	20	20	20	20	25
Maximum height difference	m	12	12	12	12	12	15
Chargeless pipe length	m	15	15	15	15	15	15
Refrigerant charging (R32)	Kg	0.55	0.80	0.80	1.10	1.10	1.14
Power supply	V/Hz/Ph	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1

C = Cooling Mode H = Heating Mode





**EDGE
WHITE**



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INDOOR UNIT			RAS-B10G3KVSG-E	RAS-B13G3KVSG-E	RAS-B16G3KVSG-E	RAS-B18G3KVSG-E	RAS-B22G3KVSG-E	RAS-B24G3KVSG-E
Cooling capacity	kW		2,50	3,50	4,60	5,00	6,10	7,00
Cooling range (min.-max.)	kW		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	0,19-0,54-0,79	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
EER	W/W		4.63	3.89	3.41	3.52	3.07	3.11
SEER			8.60	8.60	7.80	7.30	7.30	6.30
Energy efficiency class		C	A+++	A+++	A++	A++	A++	A++
Seasonal electricity consumption	kWh/a	C	102	142	206	242	292	389
Heating capacity	kW		3,20	4,20	5,50	6,00	7,00	8,00
Heating range (min.-max.)	kW		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	0,16-0,70-1,23	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
COP	W/W		4.57	3.89	3.62	3.77	3.72	3.40
SCOP (average)			5.10	5.10	4.60	4.60	4.60	4.10
Energy efficiency class (average)		H	A+++	A+++	A++	A++	A++	A+
SCOP (warmer)			6.60	6.80	5.90	6.00	6.00	5.50
Energy efficiency class (warmer)		H	A+++	A+++	A+++	A+++	A+++	A+++
Seasonal electricity consumption	kWh/a	H	686	878	1.217	1.309	1.430	2.149

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Air Flow (h)	m³/h-l/s	C	660-183	732-203	750-208	990-274	1.032-286	1.122-311
Air Flow (l)	m³/h-l/s	C	312-86	342-95	360-100	570-158	690-191	720-199
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Air Flow (l)	m³/h-l/s	H	312-86	342-95	360-100	570-158	690-191	750-208
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Air Flow (max)	m³/h-l/s	C	1.890-524	1.950-540	2.040-566	2.076-576	2.184-607	2.916-810
Sound pressure level (h)	dB(A)	C	44	46	48	48	49	50
Sound pressure level (silent CDU#2)	dB(A)	C	37	39	40	42	43	43
Sound power level (h)	dB(A)	C	57	59	61	63	62	63
Sound power level (silent CDU#2)	dB(A)	C	50	52	53	55	56	56
Operating range	°C	C	-15-46	-15-46	-15-46	-15-46	-15-46	-15-46
Air Flow (max)	m³/h-l/s	H	1.890-524	1.950-540	2.040-566	2.076-576	2.184-607	2.916-810
Sound pressure level (h)	dB(A)	H	46	48	50	50	51	53
Sound pressure level (silent CDU#2)	dB(A)	H	39	43	43	44	46	46
Sound power level (h)	dB(A)	H	59	61	63	63	64	66
Sound power level (silent CDU#2)	dB(A)	H	52	56	56	57	59	59
Operating range	°C	H	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24
Dimensions (H×W×D)	mm		550×780×290	550×780×290	550×780×290	550×780×290	550×780×290	630×800×300
Weight	Kg		26	30	33	34	34	42
Compressor type			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"	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
Maximum pipe length	m		20	20	20	20	20	25
Maximum height difference	m		12	12	12	12	12	15
Chargeless pipe length	m		15	15	15	15	15	15
Refrigerant charging (R32)	Kg		0.55	0.80	0.80	1.10	1.10	1.14
Power supply	V/Hz/Ph		230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1

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