

## Incredibly quiet

Straight lines, matt finish and invisible piping pre-cuts. This is the EDGE, Toshiba's brand new air conditioner with the most stylish and contemporary design. Its' absolutely silent function ensures that your air conditioner doesn't disturb any of your activities. In addition the HADA Care Flow mode ensures indirect air flow, for better air distribution, preventing unpleasant air waves or skin dryness.



### MAX EFFICIENCY



SEER 8,6  
SCOP 6,8

### CAPACITY



2,5kW - 7kW

### TOP ENERGY CLASS



A+++ / A+++

### ABSOLUTE SILENCE



<19dB(A)

### COMPRESSOR TECHNOLOGY



Twin Rotary DC Inverter



**REMOTE CONTROL**  
*delivered with the unit*

## 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-B10J2KVSG-E	RAS-B13J2KVSG-E	RAS-B16J2KVSG-E	RAS-18J2KVSG-E	RAS-B22J2KVSG-E	RAS-B24J2KVSG-E
<b>Cooling capacity</b>	kW		2,5	3,5	4,6	5,0	6,1	7,0
Cooling capacity	BTU/h		8.535	11.949	15.704	17.070	20.825	23.898
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		3.038 - 10.924	3.414 - 13.997	4.096 - 18.094	4.096 - 20.484	4.745 - 22.873	5.803 - 26.287
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			8,6	8,6	7,8	7,8	7,3	6,3
Energy efficiency class		C	A+++	A+++	A++	A++	A++	A++
Seasonal electricity consumption	kWh/a	C	102	142	206	224	292	389
<b>Heating capacity</b>	kW		3,2	4,2	5,5	6,0	7,0	8,0
Heating capacity	BTU/h		10.924	14.338	18.777	20.484	23.898	27.312
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		3.072 - 16.387	3.414 - 18.094	3.755 - 22.191	3.755 - 22.191	3.926 - 25.605	5.803 - 30.043
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)			5,1	5,1	4,6	4,6	4,6	4,1
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-B10J2KVSG-E	RAS-B13J2KVSG-E	RAS-B16J2KVSG-E	RAS-18J2KVSG-E	RAS-B22J2KVSG-E	RAS-B24J2KVSG-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 (HxWxD)	mm		293x800x226	293x800x226	293x800x226	320x1053x245	320x1053x245	320x1053x245
Weight	kg		10	10	10	14	14	14

## Physical data outdoor

Outdoor unit			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	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	61	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 (HxWxD)	mm		550x780x290	550x780x290	550x780x290	550x780x290	550x780x290	630x800x300
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	0,8	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

C = cooling mode

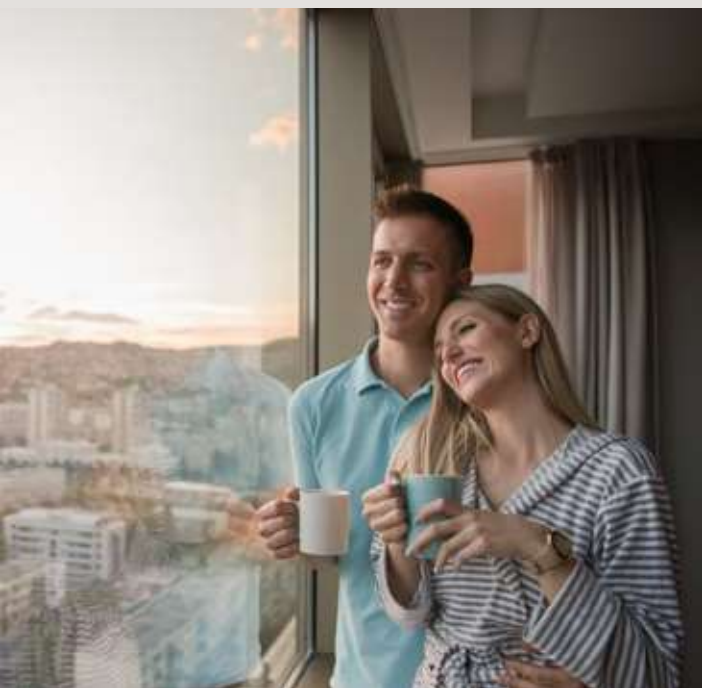
H = heating mode



Features	RAS-10J2AVSG-E RAS-B10J2KVSG-E	RAS-13J2AVSG-E RAS-B13J2KVSG-E	RAS-16J2AVSG-E RAS-B16J2KVSG-E	RAS-18J2AVSG-E RAS-18J2KVSG-E	RAS-22J2AVSG-E RAS-B22J2KVSG-E	RAS-24J2AVSG-E RAS-B24J2KVSG-E
Compressor Twin Rotary DC INVERTER	x	x	x	✓	✓	✓
Wi Fi Ready	✓	✓	✓	✓	✓	✓
Toshiba Ultra Pure Filter	✓	✓	✓	✓	✓	✓
Hada Care Flow (in cooling mode)	✓	✓	✓	✓	✓	✓
Magic Coil	✓	✓	✓	✓	✓	✓
Self-Cleaning Mode	✓	✓	✓	✓	✓	✓
Fix & Swing Mode	✓	✓	✓	✓	✓	✓
Fire Place	✓	✓	✓	✓	✓	✓
Silent Operation 1 & 2 (outdoor unit)	✓	✓	✓	✓	✓	✓
8°C Heating Mode	✓	✓	✓	✓	✓	✓
On Demand Defrost Mode	✓	✓	✓	✓	✓	✓
Weekly timer ( 4 different programs per day - 7 days per week)	✓	✓	✓	✓	✓	✓
Comfort Sleep Mode	✓	✓	✓	✓	✓	✓
Quiet Mode	✓	✓	✓	✓	✓	✓
High Power Mode	✓	✓	✓	✓	✓	✓
Power Select Mode	✓	✓	✓	✓	✓	✓
Designed in/ Manufactured in	JAPAN / THAILAND					

## User friendly wireless remote control with innovative commands:

- ▶ **Comfort sleep** for optimum comfort while sleeping, set the temperature to rise by 1°C after 1 hour, then another degree after 2 hours, which will be maintained until morning
- ▶ **Silent CDU** is Toshiba's unique noise reduction function of outdoor unit for neighborhood comfort
- ▶ **High Power** capacity booster to reach comfort set point very fast
- ▶ **OFF timer** provides a very convenient automatic programmable stop function
- ▶ **On Demand Defrost** for manual defrost at any time in extreme conditions



▶ **HIGH ENERGY CLASS A++** in cooling and **A++** in heating in the warmer zone (A+++ in heating in the warmer zone in 18K BTU/h unit)

▶ **LOW ENERGY CONSUMPTION** in all operation types

▶ **LOW NOISE LEVELS** during the operation of the outdoor and the indoor unit, due to Quiet and Silent mode

▶ **WITH MAGIC COIL® AND SELF-CLEANING SYSTEM** for cleaner air output and longer lifespan

▶ **ELEGANT & MODERN DESIGN** with discreet dimming lights changing colors with cooling and heating modes