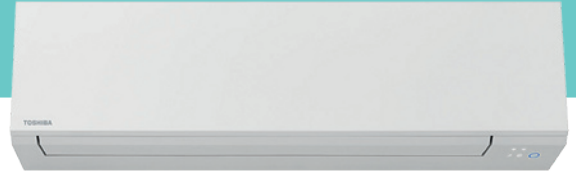


RAS-J2KVSG-E
SHORAI EDGE



SHORAI Edge, a fresh take on design and performance, benefits from Toshiba's latest innovative inverter and compressor technology. It is designed to deliver high performance, making everyday comfort a reality for all. SHORAI Edge offers energy efficient A+++ cooling and heating performances, with R32 refrigerant. Compatible with Monosplit & Multisplit outdoor units (B-codes).

High energy class A+++ / A+++

- Heating and cooling modes ensure exceptional energy savings and unparalleled comfort levels.

Absolute silent operation

- SHORAI Edge's Silent function halves the sound level of the outdoor unit, while its Quiet function reduces noise from the indoor unit for a good night's sleep.

Indoor Air Quality

- The new Toshiba Ultra Pure Filter captures up to 94% of PM2.5 (particulate matters coming from atmospheric pollution), creating healthy living spaces at home.
- SHORAI Edge is equipped with the Magic Coil® which helps prevent water and dust from sticking to the coil. When the air conditioning is switched off to drain the contaminated coil, the fan continues to operate to keep the coil clean and dry whilst preserving the air conditioning high energy efficiency.

User friendly wireless remote control with weekly timer

- HADA-CARE to set louver position to generate indirect air flow for better air distribution to homogenize room temperature.
- Quiet mode for Comfort Sleep operating indoor at the lowest noise level
- Silent CDU is Toshiba's unique noise reduction function of outdoor unit for neighborhood comfort.
- Hi 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.

MAX EFFICIENCY



SEER 8.6
SCOP 5.1

CAPACITY



2.0kW > 8.0kW

OPERATION



-15°C > +46°C

> **Modern edge design** with discreet dimming lights

> **100% Toshiba quality with DC rotary inverter compressor**

> **Wi-Fi control ready** with **Toshiba Home AC Control** adaptor inside FCU

> **Silent modes** with indoor unit Quiet mode & Silent outdoor unit function



INDOOR UNITS

- RAS-B07J2KVSG-E
- RAS-B10J2KVSG-E
- RAS-B13J2KVSG-E
- RAS-B16J2KVSG-E
- RAS-18J2KVSG-E
- RAS-B22J2KVSG-E
- RAS-B24J2KVSG-E



OUTDOOR UNITS

- RAS-07J2AVSG-E
- RAS-10J2AVSG-E1
- RAS-13J2AVSG-E1
- RAS-16J2AVSG-E1
- RAS-18J2AVSG-E
- RAS-22J2AVSG-E
- RAS-24J2AVSG-E



REMOTE CONTROLS

Delivered with the unit

SHORAI EDGE R32 Performance data

Outdoor unit		RAS-07J2AVSG-E RAS-10J2AVSG-E1 RAS-13J2AVSG-E1 RAS-16J2AVSG-E1 RAS-18J2AVSG-E RAS-22J2AVSG-E RAS-24J2AVSG-E						
Indoor unit		RAS-B07J2KVSG-E RAS-B10J2KVSG-E RAS-B13J2KVSG-E RAS-B16J2KVSG-E RAS-18J2KVSG-E RAS-B22J2KVSG-E RAS-B24J2KVSG-E						
Cooling capacity	kW	2,0	2,5	3,5	4,6	5,0	6,1	7,0
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	7.8	7.3	6.3
Energy efficiency class	C	A+++	A+++	A+++	A++	A++	A++	A++
Seasonal electricity consumption kWh/a	C	82	102	142	206	224	292	389
Heating capacity	kW	2.5	3.2	4.2	5.5	6.0	7.0	8.0
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	H	A+++	A+++	A+++	A++	A++	A++	A+
Seasonal electricity consumption kWh/a	H	631	686	878	1217	1309	1430	2149

SHORAI EDGE R32 Physical data indoor

Indoor unit		RAS-B07J2KVSG-E 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	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/q)	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/q)	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 (hxwx d)	mm	293 x 800 x 226	293 x 800 x 226	293 x 800 x 226	293 x 800 x 226	320 x 1053 x 245	320 x 1053 x 245	320 x 1053 x 245
Weight	kg	10	10	10	10	14	14	14
Remote controller		WH-TA15PE	WH-TA15PE	WH-TA15PE	WH-TA15PE	WH-TA12PE	WH-TA12PE	WH-TA12PE

SHORAI EDGE R32 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	61	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	52
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	65
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 (hxwx d)	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300
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