

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



OUTDOOR UNITS

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



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 (h x w x 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 (h x w x 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