

RAS-J2KVRG-E

SHORAI PREMIUM



The SHORAI Premium combines elegant design and technology for higher standards in efficiency, comfort and energy savings. Benefit from exceptional indoor air quality thanks to the exclusive Ionizer filtration system. SHORAI Premium high-walls are compatible with Monosplit & Multisplit outdoor units (B-code).

High energy class A++ / A++

- Very high energy efficiency class, both in heating and cooling.
- Very low energy consumption in all conditions.

Indoor air quality with the Ionizer Filter

- The Ionizer filtration system provides pure air by absorbing smoke and bad odors. This function can be activated anytime by pushing the "PURE" button on the remote controller.
- Associated with Toshiba self-cleaning coil, SHORAI Premium provides a pure and healthy environment.

User friendly wireless remote control with weekly timer

- One-Touch User Comfort parameter pre-set.
- 8°C button for anti-frost during holiday periods.
- Comfort Sleep for extra silence mode.
- 3D airflow control with vertical & horizontal motorized louvers: pre-set directions or automatic sweeping (large chassis only).
- Weekly timer with 4 freely programmable settings per day and 7 different programs per week.
- Capacity booster to reach comfort set point very fast.
- Outdoor unit noise reduction at night.
- Fire place mode with constant fan speed to improve comfort in all conditions.

MAX EFFICIENCY



SEER 7,3
SCOP 4,6

CAPACITY



2.5kW > 7.0kW

OPERATION



-15°C > +46°C

> **Elegant & modern design** with discreet dimming lights changing colors with cooling and heating modes

> **100% Toshiba quality with DC twin-rotary inverter compressor (large chassis)**

> **Wi-Fi control ready** with **Toshiba Home AC Control** adaptor integrated in large high-wall chassis

> **Exceptional indoor air quality**
Impurities are ionized by the filter and absorbed by the heat exchanger



INDOOR UNITS

RAS-B10J2KVRG-E RAS-18J2KVRG-E
RAS-B13J2KVRG-E RAS-B22J2KVRG-E
RAS-B16J2KVRG-E RAS-B24J2KVRG-E



OUTDOOR UNITS

RAS-10J2AVRG-E RAS-18J2AVRG-E
RAS-13J2AVRG-E RAS-22J2AVRG-E
RAS-16J2AVRG-E RAS-24J2AVRG-E



REMOTE CONTROLS

Delivered with the unit

SHORAI PREMIUM

SHORAI PREMIUM R32 Performance data

Outdoor unit			RAS-10J2AVRG-E	RAS-13J2AVRG-E	RAS-16J2AVRG-E	RAS-18J2AVRG-E	RAS-22J2AVRG-E	RAS-24J2AVRG-E
Indoor unit			RAS-B10J2KVRG-E	RAS-B13J2KVRG-E	RAS-B16J2KVRG-E	RAS-B18J2KVRG-E	RAS-B22J2KVRG-E	RAS-B24J2KVRG-E
Cooling capacity	kW		2.5	3.5	4.6	5.0	6.1	7.0
Cooling range (min. - max.)	kW		0.75 - 3.2	0.8 - 4.1	1.2 - 5.3	1.24 - 6.0	1.29 - 6.7	1.5 - 7.7
Power input (min. - rated - max.)	kW	C	(0.17 - 0.6 - 0.82)	(0.18 - 1.05 - 1.25)	(0.23 - 1.4 - 1.72)	(0.23 - 1.42 - 2.00)	(0.24 - 1.99 - 2.20)	(0.30 - 2.25 - 2.55)
Pdesigngc	kW		2.5	3.5	4.6	5.0	6.1	7.0
EER	W/W		4.17	3.33	3.29	3.52	3.07	3.11
SEER			6.9	6.5	6.5	7.3	6.8	6.25
Energy efficiency class	C		A++	A++	A++	A++	A++	A++
Seasonal electricity consumption	kWh/a	C	127	189	248	240	314	392
Heating capacity	kW		3.2	4.2	5.5	6.0	7.0	8.0
Heating range (min. - max.)	kW		0.9 - 4.8	0.8 - 5.3	0.9 - 6.5	0.88 - 6.5	0.93 - 7.5	1.6 - 8.8
Power input (min. - rated - max.)	kW	H	(0.17 - 0.75 - 1.40)	(0.15 - 1.08 - 1.55)	(0.17 - 1.52 - 1.82)	(0.16 - 1.60 - 1.75)	(0.19 - 1.94 - 2.10)	(0.30 - 2.41 - 2.75)
Pdesigngh	kW		2.5	3.2	4.0	4.3	4.7	6.3
COP	W/W		4.27	3.89	3.62	3.75	3.61	3.32
SCOP			4.6	4.6	4.2	4.4	4.4	4.07
Energy efficiency class	H		A++	A++	A+	A+	A+	A+
Seasonal electricity consumption	kWh/a	H	761	974	1335	1368	1495	2166

SHORAI PREMIUM Physical data indoor

Indoor unit			RAS-B10J2KVRG-E	RAS-B13J2KVRG-E	RAS-B16J2KVRG-E	RAS-B18J2KVRG-E	RAS-B22J2KVRG-E	RAS-B24J2KVRG-E
Air Flow (h)	m³/h - l/s	C	564 - 156	624 - 173	750 - 208	950 - 264	984 - 273	1074 - 298
Air Flow (l)	m³/h - l/s	C	240 - 67	300 - 83	330 - 92	535 - 149	622 - 173	664 - 184
Sound pressure level (h/q)	dB(A)	C	38/22	39/22	43/24	44/26	45/27	47/28
Sound power level (h)	dB(A)	C	53	54	58	59	60	62
Air Flow (h)	m³/h - l/s	H	600 - 167	636 - 176	768 - 213	950 - 264	984 - 273	1128 - 313
Air Flow (l)	m³/h - l/s	H	252 - 70	320 - 89	348 - 97	499 - 139	606 - 168	738 - 205
Sound pressure level (h/q)	dB(A)	H	39/23	39/23	43/25	44/26	46/27	48/28
Sound power level (h)	dB(A)	H	54	54	58	59	61	63
Dimensions (h x w x d)	mm		293 x 798 x 241	293 x 798 x 241	293 x 798 x 241	320 x 1050 x 265	320 x 1050 x 265	320 x 1050 x 265
Weight	kg		9	9	9	15	15	15
Remote controller			WH-TB03LE	WH-TB03LE	WH-TB03LE	WH-TB01LE	WH-TB01LE	WH-TB01LE

SHORAI PREMIUM Physical data outdoor

Outdoor unit			RAS-10J2AVRG-E	RAS-13J2AVRG-E	RAS-16J2AVRG-E	RAS-18J2AVRG-E	RAS-22J2AVRG-E	RAS-24J2AVRG-E
Air Flow (max)	m³/h - l/s	C	1668 - 463	1980 - 550	2040 - 566	2076 - 576	2184 - 607	2916 - 810
Sound pressure level (h)	dB(A)	C	46	48	49	49	53	53
Sound power level (h)	dB(A)	C	61	63	64	64	68	68
Operating range	°C	C	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46
Air Flow (max)	m³/h - l/s	H	1668 - 463	1980 - 550	2160 - 600	1914 - 532	2184 - 607	2916 - 810
Sound pressure level (h)	dB(A)	H	47	50	52	50	52	53
Sound power level (h)	dB(A)	H	62	65	67	65	67	68
Operating range	°C	H	-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	630 x 800 x 300
Weight	kg		28	34	34	34	34	43
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		0.51	0.67	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

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