



# RAS-PKVSG-E SHORAI R32



The latest SHORAI operating with R32 refrigerant with low Global Warming Potential, is a perfect fusion of esthetics and technology providing increased comfort thanks to Smart Airflow management and very low noise levels. The modern, smooth and rounded shapes of Suzumi+ are in harmony with any home decor.

### Energy Class A++ / A++

Very high energy efficiency class, both in cooling and heating. Very low energy consumption in all conditions. Impressive operating range of -15°C up to 46°C in cooling mode and -15°C to 24°C in heating mode.

### Silent operation

Less than 23dB(A) in silent mode.

### Serenity and simplicity

Toshiba IAQ filters for improved indoor air quality in association with self-cleaning coil provides a pure and healthy environment. The low density ozone decontaminates the indoor unit.

### User friendly wireless remote control with weekly timer

User Comfort parameter pre-set. 3D air flow control with vertical & horizontal motorized louvers: pre-set directions or automatic sweeping. Capacity booster to reach comfort set point very fast. ECO-Logic button to reduce energy consumption by 25%. Comfort Sleep for extra silence mode. Timer function.

#### MAX EFFICIENCY



SEER 7.30  
SCOP 4.60

#### CAPACITY



2.5kW > 7.0kW

#### OPERATION



-15°C > +46°C

### > New modern high wall design

The new smooth blended lines which will fit seamlessly into any interior, one of the most compact of the market in its category

> **Smart Airflow** manages your comfort using motorized and independent louvers to offer 6 airflow patterns that ensure high comfort level especially in large rooms (large chassis)

> **Wifi control ready** with Wifi module accessory integrated in large High wall chassis



INDOOR UNITS

RAS-B10PKVSG-E RAS-18PKVSG-E  
RAS-B13PKVSG-E RAS-B22PKVSG-E  
RAS-B16PKVSG-E RAS-B24PKVSG-E



OUTDOOR UNITS

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



REMOTE CONTROLS

Delivered with the unit



OPTIONAL RC

RB-RXS30-E  
Optional weekly timer  
Remote control

**SHORAI R32 Performance data**

Outdoor unit		RAS-10PAVSG-E	RAS-13PAVSG-E	RAS-16PAVSG-E	RAS-18PAVSG-E	RAS-22PAVSG-E	RAS-24PAVSG-E
Indoor unit		RAS-B10PKVSG-E	RAS-B13PKVSG-E	RAS-B16PKVSG-E	RAS-18PKVSG-E	RAS-B22PKVSG-E	RAS-B24PKVSG-E
<b>Cooling capacity</b>	<b>kW</b>	<b>2.5</b>	<b>3.5</b>	<b>4.6</b>	<b>5.0</b>	<b>6.1</b>	<b>7.0</b>
Cooling range (min. - max.)	kW	0.75 - 3.2	0.8 - 4.1	1.2 - 5.3	1.1 - 6.0	1.2 - 6.7	1.5 - 7.7
Power input (min. -rated - max.)	kW C	0.6	1.05	1.4	1.42	1.99	2.25
Pdesignc	kW	2.5	3.5	4.6	5.0	6.0	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	6.2
Energy efficiency class	C	A++	A++	A++	A++	A++	A++
Seasonal electricity consumption	kWh/a C	127	188	248	240	314	392
<b>Heating capacity</b>	<b>kW</b>	<b>3.2</b>	<b>4.2</b>	<b>5.5</b>	<b>6.0</b>	<b>7.0</b>	<b>8.0</b>
Heating range (min. - max.)	kW	0.9 - 4.8	0.8 - 5.3	0.9 - 6.5	0.8 - 6.5	1.0 - 7.5	1.6 - 8.5
Power input (min. -rated - max.)	kW H	0.75	1.08	1.52	1.60	2.05	2.47
Pdesignh (Tbiv-7°C)	kW	2.5	3.2	4.0	4.3	4.7	6.3
COP	W/W	4.27	3.89	3.62	3.75	3.41	3.24
SCOP		4.6	4.6	4.2	4.4	4.4	4.0
Energy efficiency class	H	A++	A++	A+	A+	A+	A+
Seasonal electricity consumption	kWh/a H	760	973	1334	1368	1495	2168

**SHORAI R32 Physical data indoor**

Indoor unit		RAS-B10PKVSG-E	RAS-B13PKVSG-E	RAS-B16PKVSG-E	RAS-18PKVSG-E	RAS-B22PKVSG-E	RAS-B24PKVSG-E
Air flow (h)	m³/h - l/s C	565 - 157	625 - 174	768 - 213	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/a)	dB(A) C	38/23	39/23	43/25	44/31	45/34	47/35
Sound power level (h)	dB(A) C	53	54	58	59	60	62
Air flow (h)	m³/h - l/s H	600 - 167	640 - 178	750 - 208	950 - 264	984 - 273	1074 - 298
Air flow (l)	m³/h - l/s H	252 - 70	320 - 89	348 - 97	499 - 139	622 - 168	664 - 184
Sound pressure level (h/a)	dB(A) H	39/24	39/24	43/26	44/31	46/34	48/36
Sound power level (h)	dB(A) H	54	54	58	59	61	63
Dimensions (hwxwd)	mm	293x798x230	293x798x230	293x798x230	320x1050x250	320x1050x250	320x1050x250
Weight	kg	9	9	9	13	13	13
Remote controller		WH-TA17NE	WH-TA17NE	WH-TA17NE	WH-TC09NE	WH-TC09NE	WH-TC09NE

**SHORAI R32 Physical data outdoor**

Outdoor unit		RAS-10PAVSG-E	RAS-13PAVSG-E	RAS-16PAVSG-E	RAS-18PAVSG-E	RAS-22PAVSG-E	RAS-24PAVSG-E
Air flow (max)	m³/h - l/s C	1668 - 463	1920 - 533	2160 - 600	2040 - 567	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	1920 - 533	2040 - 567	1800 - 500	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 (hwxwd)	mm	550x780x290	550x780x290	550x780x290	550x780x290	550x780x290	630x800x300
Weight	kg	33	33	38	39	41	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	20
Maximum height difference	m	10	10	10	10	10	10
Chargeless pipe length	m	15	15	15	15	15	15
Refrigerant charge (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