

SHORAI RAS-PKVSG-E



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 Shorai are in harmony with any home decor.

MAX EFFICIENCY



SEER 7.30
SCOP 4.60

CAPACITY



2.5kW > 7.0kW

OPERATION



-15°C > +46°C

High 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.

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



Remote controls
Delivered with the unit



Optional RC
RB-RXS30-E
Optional weekly timer
Remote control



Performance data

Outdoor unit			RAS-10PAVSG-E RAS-B10PKVSG-E	RAS-13PAVSG-E RAS-B13PKVSG-E	RAS-16PAVSG-E RAS-B16PKVSG-E	RAS-18PAVSG-E RAS-18PKVSG-E	RAS-22PAVSG-E RAS-B22PKVSG-E	RAS-24PAVSG-E RAS-B24PKVSG-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	1,1 - 6,0	1,3 - 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)
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	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	0,9 - 5,3	0,9 - 6,5	0,8 - 6,5	1,0 - 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 - 2,05 - 2.10)	(0.30 - 2,41 - 2.75)
SCOP (Warmer zone)			5,2	5,4	5,2	5,8	5,9	5,5
Energy efficiency class (Warmer zone)	H		A+++	A+++	A+++	A+++	A+++	A+++
COP	W/W		4,27	3,89	3,62	3,75	3,61	3,32
SCOP (Average)			4,6	4,6	4,2	4,4	4,4	4,0
Energy efficiency class (Average)	H		A++	A++	A+	A+	A+	A+
Seasonal electricity consumption	kWh/a	H	761	974	1335	1368	1495	2166

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)	m ³ /h - l/s	C	564 - 156	624 - 173	750 - 208	950 - 264	984 - 273	1074 - 298
Air Flow (l)	m ³ /h - l/s	C	240 - 67	300 - 83	330 - 92	535 - 149	622 - 173	664 - 184
Sound pressure level (h/q)	dB(A)	C	38/23	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)	m ³ /h - l/s	H	600 - 167	636 - 176	768 - 213	950 - 264	984 - 273	1128 - 313
Air Flow (l)	m ³ /h - l/s	H	252 - 70	320 - 89	348 - 97	499 - 139	606 - 168	738 - 205
Sound pressure level (h/q)	dB(A)	H	39/24	39/24	43/26	44/31	46/34	48/35
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	10	10	14	14	14

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)	m ³ /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)	m ³ /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 (hwxwd)	mm		550x780x290	550x780x290	550x780x290	550x780x290	550x780x290	630x800x300
Weight	kg		28	28	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)	inch		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