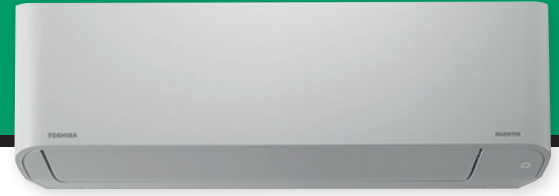




# RAS-BKVG-E **MIRAI R32**



**MIRAI offers technology from the future, operating with R32 refrigerant with low Global Warming Potential, and sets new benchmarks in aesthetics, quality and ease-of-use for best value products and accessible comfort.**

### Energy Class A+ / A+

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

### Extremely Silent operation

Less than 22dB(A) in silent mode.

### Toshiba Indoor Air Quality

MIRAI is equipped with a self-cleaning function that reduces damp and mold in the indoor unit coil. This ensures long-lasting performance and high quality air circulation.

### User friendly wireless remote control and optional weekly timer

ECO Logic button to reduce energy consumption by -25%. Capacity booster to reach comfort set point very fast. 2D airflow control with horizontal motorized louvers : pre-set directions or automatic sweeping. Programmable automatic stop. Weekly Timer programmable functions Remote control as optional. MIRAI is also available with heating only or cooling only mode remote controls to minimize energy bills.

MAX EFFICIENCY



SEER **6.20**  
SCOP **4.26**

CAPACITY



1.5kW > 6.5kW

OPERATION



-15°C > +46°C

- > **MIRAI is truly a high-tech decorative ornament** with its designer look, flowing lines, simple curves, and backlit finishings
- > **Toshiba Technologie DC Hybrid Inverter associated to Toshiba rotary compresseur**
- > **Wifi control** compatible



**INDOOR UNITS**

RAS-B05BKVG-E    RAS-B16BKVG-E  
RAS-B07BKVG-E    RAS-18BKVG-E  
RAS-B10BKVG-E    RAS-24BKVG-E  
RAS-B13BKVG-E



**OUTDOOR UNITS**

RAS-05BAVG-E    RAS-16BAVG-E  
RAS-07BAVG-E    RAS-18BAVG-E  
RAS-10BAVG-E1    RAS-24BAVG-E  
RAS-13BAVG-E1



**REMOTE CONTROLS**

Delivered with the unit.



**OPTIONAL RC**

RB-RXS30-E  
Optional weekly timer  
Remote control

**MIRAI R32 Performance data**

Outdoor unit		RAS-05BAVG-E	RAS-07BAVG-E	RAS-10BAVG-E1	RAS-13BAVG-E1	RAS-16BAVG-E	RAS-18BAVG-E	RAS-24BAVG-E
Indoor unit		RAS-B05BKVG-E	RAS-B07BKVG-E	RAS-B10BKVG-E	RAS-B13BKVG-E	RAS-B16BKVG-E	RAS-18BKVG-E	RAS-24BKVG-E
<b>Cooling capacity</b>	<b>kW</b>	<b>1.5</b>	<b>2.0</b>	<b>2.5</b>	<b>3.3</b>	<b>4.6</b>	<b>5.0</b>	<b>6.5</b>
Cooling range (min. - max.)	kW	(0.66 - 2.00)	(0.67 - 2.60)	(0.68 - 3.00)	(0.75 - 3.60)	(1.20 - 5.3)	(1.3 - 5.5)	(1.6 - 7.2)
Power input (min. - rated - max.)	kW C	(0.14 - 0.39 - 0.60)	(0.14 - 0.58 - 0.83)	(0.18 - 0.77 - 1.00)	(0.18 - 1.13 - 1.25)	(0.22 - 1.53 - 1.80)	(0.27 - 1.55 - 1.80)	(0.32 - 2.25 - 2.60)
Pdesignc	kW	1.5	2.0	2.5	3.3	4.6	5.0	6.5
EER	W/W	3.85	3.45	3.25	2.92	3.01	3.23	2.89
SEER		5.6	5.6	5.7	5.6	6.2	6.3	6.1
Energy efficiency class	C	A+	A+	A+	A+	A++	A++	A++
Seasonal electricity consumption	kWh/a C	94	125	153	206	260	278	373
<b>Heating capacity</b>	<b>kW</b>	<b>2.0</b>	<b>2.5</b>	<b>3.2</b>	<b>3.6</b>	<b>5.4</b>	<b>5.4</b>	<b>7.0</b>
Heating range (min. - max.)	kW	(0.54 - 3.00)	(0.55 - 3.30)	(0.71 - 3.90)	(0.72 - 4.50)	(0.93 - 6.40)	(1.0 - 6.0)	(1.6 - 8.1)
Power input (min. - rated - max.)	kW H	(0.12 - 0.47 - 0.73)	(0.12 - 0.64 - 0.90)	(0.15 - 0.85 - 1.11)	(0.15 - 0.96 - 1.24)	(0.18 - 1.55 - 2.10)	(0.20 - 1.60 - 1.85)	(0.29 - 2.10 - 2.55)
Pdesignh (Tbiv-7°C)	kW	1.6	2.0	2.4	2.8	4.0	3.8	5.4
COP	W/W	4.26	3.91	3.76	3.75	3.48	3.38	3.33
SCOP		4.0	4.0	4.0	4.0	4.2	4.0	4.0
Energy efficiency class	H	A+	A+	A+	A+	A+	A+	A+
Seasonal electricity consumption	kWh/a H	560	700	839	980	1334	1329	1890

**MIRAI R32 Physical data indoor**

Indoor unit		RAS-B05BKVG-E	RAS-B07BKVG-E	RAS-B10BKVG-E	RAS-B13BKVG-E	RAS-B16BKVG-E	RAS-18BKVG-E	RAS-24BKVG-E
Air flow (h)	m³/h - l/s C	510 - 142	522 - 145	540 - 150	600 - 167	750 - 208	798 - 222	1074 - 298
Air flow (l)	m³/h - l/s C	234 - 65	234 - 65	240 - 67	264 - 73	330 - 92	480 - 133	666 - 185
Sound pressure level (h/l)	dB(A) C	37/22	38/23	39/24	41/24	43/25	47/32	48/35
Sound power level (h)	dB(A) C	52	53	54	56	58	60	63
Air flow (h)	m³/h - l/s H	522 - 145	534 - 148	552 - 153	618 - 172	768 - 213	840 - 233	900 - 250
Air flow (l)	m³/h - l/s H	246 - 68	246 - 68	252 - 70	294 - 82	348 - 97	500 - 139	738 - 205
Sound pressure level (h/l)	dB(A) H	37/22	38/23	39/24	42/24	43/25	48/32	43/35
Sound power level (h)	dB(A) H	52	53	54	57	58	63	58
Dimensions (hxwx d)	mm	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230	320x1050x250
Weight	kg	9	9	9	9	10	9	14

**MIRAI R32 Physical data outdoor**

Outdoor unit		RAS-05BAVG-E	RAS-07BAVG-E	RAS-10BAVG-E1	RAS-13BAVG-E1	RAS-16BAVG-E	RAS-18BAVG-E	RAS-24BAVG-E
Air flow (max)	m³/h - l/s C	1740 - 483	1740 - 483	1860 - 517	1980 - 550	2040 - 567	2160 - 600	2220 - 617
Sound pressure level (h)	dB(A) C	48	48	49	50	50	50	55
Sound power level (h)	dB(A) C	63	63	64	65	65	65	70
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	1800 - 500	1800 - 500	1860 - 517	1980 - 550	2160 - 600	2160 - 600	2220 - 617
Sound pressure level (h)	dB(A) H	50	50	51	51	52	52	55
Sound power level (h)	dB(A) H	65	65	66	66	67	67	70
Operating range	°C H	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15~24	-15~24	-15~24
Dimensions (hxwx d)	mm	530 x 660 x 240	530 x 660 x 240	530 x 660 x 240	530 x 660 x 240	550x780x290	550x780x290	550x780x290
Weight	kg	21	21	23	23	34	34	38
Compressor type		DC Rotary	DC Rotary	DC Rotary	DC Rotary	DC Rotary	DC Rotary	DC Twin Rotary
Flare connections (gas-liquid)		3/8" - 1/4"	3/8" - 1/4"	3/8" - 1/4"	3/8" - 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	15	15	15	15	20	20	20
Maximum height difference	m	12	12	12	12	12	12	12
Chargeless pipe length	m	15	15	15	15	15	15	15
Remote controller		WH-UA01NE	WH-UA01NE	WH-UA01NE	WH-UA01NE	WH-UA01NE	WH-UA01NE	WH-UA01NE
Refrigerant charging(R32)	kg	0,4	0,4	0,43	0,43	0,8	0,88	1,08
Power supply	V-ph-Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50

C: cooling mode  
H: heating mode