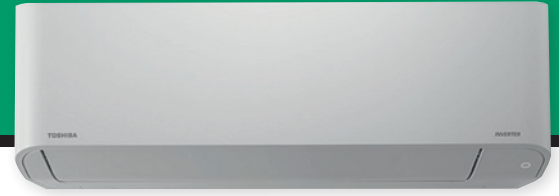




RAS-BKV-E MIRAI



MIRAI offers technology direct from the future, setting 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 air flow 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 > 4.6kW

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 compressor**

> **Wifi control** compatible

R410A
with TOSHIBA



INDOOR UNITS

RAS-05BKV-E RAS-13BKV-E1
RAS-07BKV-E RAS-16BKV-E
RAS-10BKV-E1



OUTDOOR UNITS

RAS-05BAV-E RAS-13BAV-E1
RAS-07BAV-E RAS-16BAV-E
RAS-10BAV-E1



REMOTE CONTROLS

Delivered with the unit.



OPTIONAL RC

RB-RXS30-E
Optional weekly timer
Remote control

MIRAI Performance data

Outdoor unit			RAS-05BAV-E	RAS-07BAV-E	RAS-10BAV-E1	RAS-13BAV-E1	RAS-16BAV-E
Indoor unit			RAS-05BKV-E	RAS-07BKV-E	RAS-10BKV-E1	RAS-13BKV-E1	RAS-16BKV-E
Cooling capacity	kW		1.5	2.0	2.5	3.1	4.4
Cooling range (min. - max.)	kW		(0.62 - 2.00)	(0.64 - 2.50)	(0.67 - 3.10)	(0.75 - 3.50)	1.0 - 4.8
Power input (min. -rated - max.)	kW	C	(0.14 - 0.33 - 0.60)	(0.14 - 0.60 - 0.86)	(0.165 - 0.85 - 1.19)	(0.18 - 1.15 - 1.33)	0.21 - 1.56 - 1.72
P _{designc}	kW		1.5	2.0	2.5	3.1	4.4
EER	W/W		4.55	3.33	2.94	2.70	2.82
SEER			5.7	5.7	5.6	5.7	5.9
Energy efficiency class		C	A+	A+	A+	A+	A+
Seasonal electricity consumption	kWh/a	C	92	123	156	190	261
Annual energy consumption	kWh		165	300	425	575	780
Heating capacity	kW		2.0	2.5	3.2	3.6	5.2
Heating range (min. - max.)	kW		(0.52 - 2.80)	(0.55 - 3.20)	(0.70 - 3.90)	(0.70 - 4.50)	(0.80 - 6.10)
Power input (min. -rated - max.)	kW	H	(0.12 - 0.44 - 0.70)	(0.13 - 0.62 - 0.82)	(0.15 - 0.84 - 1.06)	(0.15 - 0.96 - 1.24)	(0.16 - 1.52 - 1.90)
P _{designh}	kW		1.6	1.8	2.4	2.8	4.0
COP	W/W		4.55	4.03	3.81	3.75	3.42
SCOP			4.0	4.0	4.0	4.0	4.2
Energy efficiency class		H	A+	A+	A+	A+	A+
Seasonal electricity consumption	kWh/a	H	560	630	840	980	1333

MIRAI Physical data indoor

Indoor unit			RAS-05BKV-E	RAS-07BKV-E	RAS-10BKV-E1	RAS-13BKV-E1	RAS-16BKV-E
Air flow (h)	m ³ /h - l/s	C	510 - 142	522 - 145	540 - 150	600 - 167	720 - 200
Air flow (l)	m ³ /h - l/s	C	234 - 65	234 - 65	240 - 67	264 - 73	318 - 88
Sound pressure level (h/l)	dB(A)	C	38/22	38/22	40/23	41/24	44/25
Sound power level (h)	dB(A)	C	53	54	55	56	59
Air flow (h)	m ³ /h - l/s	H	522 - 145	534 - 148	552 - 153	618 - 172	756 - 210
Air flow (l)	m ³ /h - l/s	H	246 - 68	246 - 68	252 - 70	294 - 82	348 - 97
Sound pressure level (h/l)	dB(A)	H	39/22	40/22	41/23	42/24	43/26
Sound power level (h)	dB(A)	H	54	55	56	57	58
Dimensions (h _x w _x d)	mm		293x798x230	293x798x230	293x798x230	293x798x230	293x798x230
Weight	kg		9	9	9	9	10

MIRAI Physical data outdoor

Outdoor unit			RAS-05BAV-E	RAS-07BAV-E	RAS-10BAV-E1	RAS-13BAV-E1	RAS-16BAV-E
Air flow (max)	m ³ /h - l/s	C	1740 - 483	1740 - 483	1860 - 517	1980 - 550	2040 - 567
Sound pressure level (h)	dB(A)	C	48	48	48	48	49
Sound power level (h)	dB(A)	C	63	62	63	64	64
Operating range	°C	C	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15~46
Air flow (max)	m ³ /h - l/s	H	1800 - 500	1800 - 500	1860 - 517	1980 - 550	2040 - 567
Sound pressure level (h)	dB(A)	H	50	50	50	50	50
Sound power level (h)	dB(A)	H	65	64	65	65	65
Operating range	°C	H	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15~24
Dimensions (h _x w _x d)	mm		530x660x240	530x660x240	530x660x240	530x660x240	550x780x290
Weight	kg		21	21	21	22	34
Compressor type			DC Rotary	DC Rotary	DC Rotary	DC Rotary	DC 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"
Minimum pipe length	m		2	2	2	2	2
Maximum pipe length	m		15	15	15	15	20
Maximum height difference	m		12	12	12	12	12
Chargeless pipe length	m		15	15	15	15	15
Refrigerant charge (R410A)	kg		0.48	0.48	0.52	0.58	0.96
Remote controller			WH-UA01NE	WH-UA01NE	WH-UA01NE	WH-UA01NE	WH-UA01NE
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

C: cooling mode
H: heating mode