

**TOSHIBA** 

### **TOSHIBA HOME**

Air conditioning solutions for your home

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# A COMFORTABLE CLIMATE IN YOUR HOME

TOSHIBA

# AIR CONDITIONING SYSTEMS TO MAKE YOU FEEL GOOD.

An air conditioning system from TOSHIBA is an efficient allrounder: refreshing cooling in the summer, cozy warmth in the winter. You can rely on TOSHIBA air conditioning 365 days a year.

#### Improved air quality

When it comes to high temperatures and air circulation problems, there is one thing we can say for sure. An air conditioning system can help. The cooler temperatures reduce stress on the body, while the sophisticated filter and air purification systems reduce allergies and neutralize viruses and bacteria.





#### Greater productivity

Heat and high humidity are proven to negatively impact performance and the ability to concentrate. Anyone working from home – job, housework, or school assignment – will notice that they have to put in more effort than usual to do that work. They are also more prone to accidents or making mistakes. An air conditioning system can help by providing rooms at the optimum temperature and dehumidifying the air.



#### **Better sleep**

Warmer nighttime temperatures result in disturbed sleep, especially in summer. TOSHIBA air conditioners ensure pleasantly cool, restful, and peaceful nights. Without drafts. For better rest at night and improved balance during the day.

# Heating for the transition period

Room heating with an air conditioning system is extremely comfortable, especially in the transition period in fall and spring. It is also more cost-effective due to its high efficiency compared to most conventional heating systems. In parallel to this, the existing heating system is superseded or used less through the use of a TOSHIBA air conditioning system.



# AIR CONDITIONING IS OUR STRENGTH.

The benefits of TOSHIBA technology derive from decades of experience in the production of innovative air conditioning systems with maximum energy efficiency.



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#### Quiet and stable operation

The TOSHIBA twin-rotary compressor, which was developed and produced in-house, essentially consists of two disks rotating in opposite directions. This maximizes mechanical stability, optimizes synchronization and thus minimizes vibrations.





#### **Stable temperature**

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An air conditioning system only needs full power for around 15% of its operating time. The TOSHIBA inverter system with its intelligent control constantly regulates the modulation width between 20% and 100%. This creates a stable temperature without constant switching on and off.





#### Saving operating costs

Since the system works in "part load operation" for 85% of the time, efficiency in this range is crucial. TOSHIBA units deliver their best values in that range. This is energy efficient, easy on the wallet, and guarantees a long service life.

#### Hybrid inverters for durability

By automatically changing the compressor speed, an inverter air conditioner constantly adapts its cooling or heating capacity to the temperature in the room, thus further increasing comfort. Once the room has been cooled or heated sufficiently, the inverter automatically reduces the compressor speed and makes sure that this temperature is constantly maintained. This both saves energy and reduces temperature fluctuations in the room. The infinitely variable regulation of the compressor speed ensures that the power is limited to only what is necessary. Since the compressor is not constantly switched on and off, the service life of the air conditioner is also extended. =`

### BREATHE CLEAN AIR.

TOSHIBA air conditioning systems incorporate sophisticated filter systems. Depending on the design and area of use, TOSHIBA room air conditioners clean the air in several steps, ensuring at the same time that the delivered cooled air is not only clean, but also odorless, almost noiseless, and has no unpleasant drafts.



#### **Dust filter**

These are made from a special fine-meshed plastic woven fabric which, at TOSHIBA, covers the entire heat exchanger. They remove all larger impurities and dust particles from the air, are durable, and can be easily cleaned from time to time with a vacuum cleaner or water.

#### Electric filters and air purifiers

These filters charge the room air with ions, which increases general well-being. Dirt particles such as dust, pollen, mites, bacteria, and unpleasant odors are removed.

#### **Plasma filter**

The plasma filter is a multi-stage electric air purifier that is considerably more effective than a simple dust filter. This self-cleaning filter with ionizer absorbs and neutralizes particles of the size of fine dust, pollen, mold spores, and viruses – to an order of magnitude of less than 0.01  $\mu$ m.



#### **Ozone air purifier**

The ozone air purifier works with an ionizer. The air is enriched with ozone – a natural component of air. The ozone reacts with foreign molecules and so neutralizes germs and dirt, changing itself back to oxygen.

TOSHIBA

FILTER	DAISEIKAI 9	SEIYA	SHORAI EDGE	SHORAI EDGE BLACK & WHITE	HAORI	CONSOLE	DUCT UNIT	60x60 SLIM CASSETTE
Dust filter	•	•	•	•	•	•	0	•
Plasma filter								
Ozone air purifier					•			
IAQ filter	0	0	0	0	0	•		
Active carbon-catechin filter	0	0	0	0	0	0		
Ultra pure filter	0	0	•	•	•	0		
Ultra fresh filter	0	•	0	0	0	0		

Standard Optional



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#### **Filter strips**

These are filter strips coated with natural substances that purify the air you breathe.

#### **IAQ** filter

TOSHIBA's IAQ filter purifies the air you breathe with silver and enzymes that are extracted from kimchi. It has a deodorant effect, freshens the air, and makes a significant contribution to keeping you healthy. Viruses and bacteria are neutralized. This filter can be simply removed and cleaned – ideally with a vacuum cleaner. The IAQ filter should be replaced approximately every two years.

### Active carbon-catechin filter

Active carbon-catechin filters clean the air in two ways: carbon has a deodorant effect, while the catechin has a purifying effect against dust and other particles.

#### **Ultra pure filter**

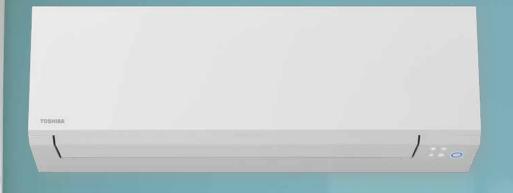
The ultra pure filter can neutralize up to 94 % of viruses and bacteria, and inhibits mold and fungus growth.

Its odor-eliminating power absorbs smoke, food odors, and other unpleasant odors.



#### **Ultra fresh filter**

The TOSHIBA ultra fresh filter captures up to 85% of PM2.5 particles, thus creating a healthy living environment in your home. PM2.5 relates to fine dust with a diameter of less than 2.5 µm (3% of the diameter of a human hair).



# WHICH AIR CONDITIONER IS RIGHT FOR YOU?

#### **Step 1: Required power**

To select the right unit for your needs, capacity required. The important factors are primarily the room size graphical orientation, how the space











Room size	Cooling capacity required
< 20 m <sup>2</sup>	1.5 kW
20 – 35 m²	2.5 kW
35 – 50 m²	3.5 kW
50 – 90 m²	6 – 7 kW

TOSHIBA

#### Step 2: Single or multi-split

The determining factor when deciding between single-split and multi-split is the number of rooms for which air conditioning is needed, how large they are, and how they are arranged in the house.

While single-split systems consist of an indoor unit and an outdoor unit which are connected with copper pipe, with multi-split systems, up to five indoor units of your choice may be connected to a single outdoor unit.

Multi-split is suitable for different climate zones, and for multiple or large rooms. One significant advantage is that little space is required for the outdoor unit and it is easy to install.



Multi-split

#### Step 3: The right indoor unit

In the indoor unit, the room air is sucked in, filtered, and cooled or heated via an appropriate heat exchanger.

The wall-mounted, console, cassette, and duct models differ in terms of performance, design, and filter functions. They can be combined as required. In suspended ceilings, cassette units are ideal for integration into the ceiling. If the air conditioner should be as invisible as possible, a duct unit can be installed above the suspended ceiling. Console or wall-mounted models are recommended for retrospective installation.



#### Step 4: The right outdoor unit

The surplus heat from the interior is extracted and transported to the outdoor unit via the refrigerant. In the outdoor unit, the heat is released and the refrigerant flows back to the indoor unit. As a result, the

air cools down. The right outdoor unit for you will be determined primarily by the capacity required and the number of indoor units to be connected.









Private home, Hasenbichler Kälte- und Klimatechnik

Measuring conditi	ions for TOSHIBA air conditioners	
Cooling:	Outdoor temperature: +35°C dry bulb temperature Indoor air temperature: +27°C dry bulb temperature / +19°C wet bulb temperature Humidity: 50 – 55 % relative humidity	
Heating:	Outdoor temperature: +7°C dry bulb temperature / +6°C wet bulb temperature Indoor temperature: +20°C dry bulb temperature No difference in height between indoor and outdoor unit	
Sound pressure level:	Measured at 1 m distance from the indoor unit (1.5 m for cassette and duct units), or 1 m distance from the outdoor unit. Values are determined in an anechoic chamber as defined in JIS B8616; These values can be higher in the installed state since they are influenced by external factors.	

# INDOOR UNITS

SINGLE-SPLIT	SINGLE & MULTI-SPLIT	MULTI-SPLIT
Premium single-split DAISEIKAI 9	Whisper-quiet comfort SEIYA	Premium multi-split DAISEIKAI 9
	Versatile all-rounder SHORAI EDGE	Invisible air conditioning DUCT UNIT
	Universal multitalent SHORAI EDGE BLACK & WHITE	360° air comfort 60 x 60 SLIM CASSETTE
	Textile design solution HAORI	
	Suitable for any room CONSOLE	

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Winzerhaus am Wiesberg, Cool Company Kälte - Klima - Gastro

#### DAISEIKAI

# Daiseikai 9

Premium single-split

Daiseikai 9 combines design with comfort and efficiency at the highest level. Perfect operating characteristics for both outdoor and indoor units paired with timeless design, premium quality air filter system, 3D air distribution, and user features that leave little to be desired.





Outdoor unit (symbolic image)

Comfort infrared remote control with backlit display and adjustable weekly timer

App-controllable



#### Highlights

- > Maximum efficiency A<sup>+++</sup>
- > Quiet mode & super ionizer
- > Plasma filter
- > WiFi adapter can be integrated



INDOOR UNIT OUTDOOR UNIT			RAS-10PKVPG-E RAS-10PAVPG-E	RAS-13PKVPG-E RAS-13PAVPG-E	RAS-16PKVPG-E RAS-16PAVPG-E
Cooling capacity	kW	*	2,50	3,50	4,50
Cooling range (minmax.)	kW	*	0,80 - 3,50	0,90 - 4,10	0,90 - 5,10
Power consumption (min./nom./max.)	kW	*	0,15/0,45/0,82	0,18/0,75/1,00	0,18/1,08/1,38
Energy efficiency SEER		*	10,60	9,50	8,50
Energy efficiency class		*	A+++	A+++	A+++
Heating capacity	kW	۰	3,20	4,00	4,50
Heating range (minmax.)	kW	۰	0,70 - 5,80	0,80 - 6,30	0,80 - 6,80
Power consumption (min./nom./max.)	kW	*	0,15/0,60/1,55	0,17/0,80/2,00	0,17/1,37/2,05
Energy efficiency SCOP		*	5,20	5,10	4,60
Energy efficiency class		*	A+++	A+++	A++
INDOOR UNIT			RAS-10PKVPG-E	RAS-13PKVPG-E	RAS-16PKVPG-E
Sound pressure level (low/med/high)	dB(A)	*	20/33/44	20/34/45	22/35/46
Dimensions (HxWxD)	mm		293 x 851 x 270	293 x 851 x 270	293 x 851 x 270
OUTDOOR UNIT			RAS-10PAVPG-E	RAS-13PAVPG-E	RAS-16PAVPG-E
Sound pressure level (low/med/high)	dB(A)	*	46	48	49
Dimensions (HxWxD)	mm		630 x 800 x 300	630 x 800 x 300	630 x 800 x 300

ACCESSORIES	DESCRIPTION	INCLUDED
Remote control	Infrared remote control included	✓
RB-N105S-G	TOSHIBA Home AC control - wireless WiFi control / Seiya, Shorai Edge, Daiseikai 9	



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#### Experience DAISEIKAI in 3D.

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Would you like to know how well DAISEIKAI will fit into your home? Then scan the QR code with your smartphone and position the 3D model in your environment.

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#### S≋IYA

#### SEIYA Whisper-quiet comfort

Update of the proven entry-level inverter. The perfect first step into the world of air conditioning with inverter technology and all the features you really need. Now with comfort remote control and new filter strips. Whisperquiet operating mode for outdoor and indoor units included.



Outdoor unit (symbolic image)



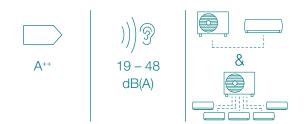


Easy to use infrared remote control with off timer



#### Highlights

- > A<sup>++</sup> in cooling and heating operation
- > Silent function & ultra quiet mode
- > Ultra fresh filter
- > WiFi adapter can be integrated



INDOOR UNIT OUTDOOR UNIT			RAS-B07E2KVG-E RAS-07E2AVG-E	RAS-B10E2KVG-E RAS-10E2AVG-E	RAS-B13E2KVG-E RAS-13E2AVG-E	RAS-B16E2KVG-E RAS-16E2AVG-E	RAS-B18E2KVG-E RAS-18E2AVG-E	RAS-B24E2KVG-E RAS-24E2AVG-E
Cooling capacity	kW	*	2,00	2,50	3,30	4,20	5,00	6,50
Cooling range (minmax.)	kW	*	0,76 - 2,60	0,80 - 3,00	1,20 - 3,60	1,40 - 4,70	1,45 - 5,50	1,70 - 7,20
Power consumption (min./nom./max.)	kW	*	0,20/0,53/ 0,83	0,20/0,70/ 1,00	0,25/1,10/ 1,25	0,34/1,27/ 1,60	0,34/1,50/ 1,80	0,41/2,25/ 2,60
Energy efficiency SEER		*	6,90	7,00	7,00	7,00	7,00	6,90
Energy efficiency class		*	A++	A++	A++	A++	A++	A++
Heating capacity	kW	*	2,50	3,20	3,60	5,00	5,40	7,00
Heating range (minmax.)	kW	*	0,82 - 3,30	0,95 - 3,90	0,97 - 4,50	1,30 - 6,00	1,35 - 6,00	1,50 - 8,10
Power consumption (min./nom./max.)	kW	۰	0,16/0,64/ 0,94	0,18/0,86/ 1,11	0,18/0,92/ 1,25	0,24/1,34/ 1,70	0,26/1,50/ 1,80	0,29/2,10/ 2,55
Energy efficiency SCOP		۲	4,60	4,60	4,60	4,60	4,40	4,30
Energy efficiency class		۰	A++	A++	A++	A++	A+	A+
INDOOR UNIT			RAS-B07E2KVG-E	RAS-B10E2KVG-E	RAS-B13E2KVG-E	RAS-B16E2KVG-E	RAS-B18E2KVG-E	RAS-B24E2KVG-E
Sound pressure level (low/med/high)	dB(A)	*	19//38	19//39	20//41	21//43	26//47	29//48
Dimensions (HxWxD)	mm		288 x 770 x 225	288 x 770 x 225	288 x 770 x 225	293 x 798 x 230	293 x 798 x 230	320 x 1050 x 250

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OUTDOOR UNIT			RAS-07E2AVG-E	RAS-10E2AVG-E	RAS-13E2AVG-E	RAS-16E2AVG-E	RAS-18E2AVG-E	RAS-24E2AVG-E
Sound pressure level (low/med/high)	dB(A)	*	//47	//47	//48	//50	//50	//54
Dimensions (HxWxD)	mm		530 x 660 x 240	530 x 660 x 240	530 x 660 x 240	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290

ACCESSORIES	DESCRIPTION	INCLUDED
Remote control	Infrared remote control included	✓
RB-N105S-G	TOSHIBA Home AC control - wireless WiFi control / Seiya, Shorai Edge, Daiseikai 9	

### Experience SEIYA in 3D.

Would you like to know how well SEIYA will fit into your home? Then scan the QR code with your smartphone and position the 3D model in your environment.



#### Total control is so simple!

All the settings for the indoor unit can be made directly and easily via the modern remote control or using the APP; the outdoor unit is equally easy to regulate.

PRESET

MODE SWING FAN MODE FIX QUIET ECO HPONEP TIMER BC A CLR

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# Shorai Edge

Versatile all-rounder

Maximum energy efficiency combined with ultra pure air filter, and a comfort remote control in a seamless, matte design characterize this unit. Careflow air distribution moves the air flow around the room without drafts.



#### Highlights

- > Careflow air distribution
- > A<sup>+++</sup> for cooling & heating
- > Ultra pure filter

A+++ - A++

> WiFi adapter can be integrated (18/22/24)

19 – 47 dB(A) &



Outdoor unit (symbolic image)

App-controllable Comfort infrared remote control with backlit

display and adjustable weekly timer

INDOOR UNIT OUTDOOR UNIT			RAS-B07J2KVSG-E RAS-07J2AVSG-E	RAS-B10J2KVSG-E RAS-10J2AVSG-E1	RAS-B13J2KVSG-E RAS-13J2AVSG-E1	RAS-B16J2KVSG-E RAS-16J2AVSG-E1	RAS-18J2KVSG-E RAS-18J2AVSG-E	RAS-B22J2KVSG-E RAS-22J2AVSG-E	RAS-B24J2KVSG-E RAS-24J2AVSG-E
Cooling capacity	kW	*	2,00	2,50	3,50	4,60	5,00	6,10	7,00
Cooling range (minmax.)	kW	*	0,89 - 2,90	0,89 - 3,20	1,00 - 4,10	1,20 - 5,30	1,20 - 6,00	1,39 - 6,70	1,70 - 7,70
Power consumption (min./nom./max.)	kW	*	0,19/0,39/ 0,67	0,19/0,54/ 0,79	0,25/0,90/ 1,12	0,34/1,35/ 1,72	0,35/1,42/ 2,00	0,36/1,99/ 2,20	0,38/2,25/ 2,55
Energy efficiency SEER		*	8,50	8,60	8,60	7,80	7,80	7,30	6,30
Energy efficiency class		*	A+++	A+++	A+++	A++	A++	A++	A++
Heating capacity	kW	*	2,50	3,20	4,20	5,50	6,00	7,00	8,00
Heating range (minmax.)	kW	*	0,90 - 3,60	0,90 - 4,80	1,00 - 5,30	1,10 - 6,50	1,10 - 6,50	1,15 - 7,50	1,70 - 8,80
Power consumption (min./nom./max.)	kW	۰	0,16/0,50/ 0,80	0,16/0,70/ 1,23	0,20/1,08/ 1,55	0,24/1,52/ 1,90	0,25/1,59/ 1,75	0,26/1,88/ 2,10	0,29/2,35/ 2,75
Energy efficiency SCOP		*	5,10	5,10	5,10	4,60	4,60	4,60	4,10
Energy efficiency class		*	A+++	A+++	A+++	A++	A++	A++	A+
INDOOR UNIT			RAS-B07J2KVSG-E	RAS-B10J2KVSG-E	RAS-B13J2KVSG-E	RAS-B16J2KVSG-E	RAS-18J2KVSG-E	RAS-B22J2KVSG-E	RAS-B24J2KVSG-E
Sound pressure level (low/med/high)	dB(A)	*	19/22/40	19/22/40	19/23/43	21/25/44	26/31/44	27/34/45	28/35/47
Dimensions (HxWxD)	mm		293 x 800 x 226	293 x 800 x 226	293 x 800 x 226	293 x 800 x 226	320 x 1053 x 245	320 x 1053 x 245	320 x 1053 x 245

OUTDOOR UNIT			RAS-07J2AVSG-E	RAS-10J2AVSG-E1	RAS-13J2AVSG-E1	RAS-16J2AVSG-E1	RAS-18J2AVSG-E	RAS-22J2AVSG-E	RAS-24J2AVSG-E
Sound pressure level (low/med/high)	dB(A)	*	36/43/44	37/43/44	39/45/46	40/47/48	42/47/48	43/48/49	43/49/50
Dimensions (HxWxD)	mm		550 x 780 x 290	630 x 800 x 300					

ACCESSORIES	DESCRIPTION	INCLUDED
Remote control	Infrared remote control included	✓
RB-N105S-G	TOSHIBA Home AC control - wireless WiFi control / Seiya, Shorai Edge, Daiseikai 9	

Size 18 only available as single-split. / Product change from E to E1 during the year.

#### Experience **SHORAI EDGE in 3D.**

Would you like to know how well SHORAI EDGE will fit into your home? Then scan the QR code with your smartphone and position the 3D model in your environment.

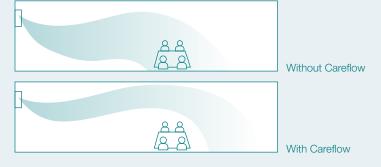




#### The special flow

Shorai Edge units use specially-shaped louvers: They do not guide the cooled air straight away from the unit. Rather it is routed in a wide arc along the ceiling, from where it then drops evenly. This prevents the unpleasant feeling of air drafts.





#### SHUR. EDGE

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## Shorai Edge Black & White

Universal multitalent

Design and function update in the HIGH-line class. Also available in stylish black, with proven features including APP control and energy monitoring for single-split systems as standard.



> WiFi adapter integrated as standard







Outdoor unit (symbolic image)

Comfort infrared remote control with backlit display and adjustable weekly timer in black and black / white



Highlights

6 19 – 47 dB(A)



INDOOR UNIT WHITE OUTDOOR UNIT			RAS-B07G3KVSG-E RAS-07J2AVSG-E1	RAS-B10G3KVSG-E RAS-10J2AVSG-E1	RAS-B13G3KVSG-E RAS-13J2AVSG-E1	RAS-B16G3KVSG-E RAS-16J2AVSG-E1	RAS-B18G3KVSG-E RAS-18J2AVSG-E1	RAS-B22G3KVSG-E RAS-22J2AVSG-E1	RAS-B24G3KVSG-E RAS-24J2AVSG-E1
INDOOR UNIT BLACK Outdoor Unit			RAS-B07G3KVSGB-E RAS-07J2AVSG-E1	RAS-B10G3KVSGB-E RAS-10J2AVSG-E1	RAS-B13G3KVSGB-E RAS-13J2AVSG-E1	RAS-B16G3KVSGB-E RAS-16J2AVSG-E1	RAS-B18G3KVSGB-E RAS-18J2AVSG-E1	RAS-B22G3KVSGB-E RAS-22J2AVSG-E1	RAS-B24G3KVSGB-E RAS-24J2AVSG-E1
Cooling capacity	kW	*	2,00	2,50	3,50	4,60	5,00	6,10	7,00
Cooling range (minmax.)	kW	*	0,89 - 2,90	0,89 - 3,20	1,00 - 4,10	1,20 - 5,30	1,20 - 6,00	1,39 - 6,70	1,70 - 7,70
Power consumption (min./nom./max.)	kW	*	0,19/0,39/ 0,67	0,19/0,54/ 0,79	0,25/0,90/ 1,12	0,34/1,35/ 1,72	0,35/1,42/ 2,00	0,36/1,99/ 2,20	0,38/2,25/ 2,55
Energy efficiency SEER		*	8,50	8,60	8,60	7,80	7,80	7,30	6,30
Energy efficiency class		*	A+++	A+++	A+++	A++	A++	A++	A++
Heating capacity	kW	*	2,50	3,20	4,20	5,50	6,00	7,00	8,00
Heating range (minmax.)	kW	*	0,90 - 3,60	0,90 - 4,80	1,00 - 5,30	1,10 - 6,50	1,10 - 6,50	1,15 - 7,50	1,70 - 8,80
Power consumption (min./nom./max.)	kW	*	0,16/0,50/ 0,80	0,16/0,70/ 1,23	0,20/1,08/ 1,55	0,24/1,52/ 1,90	0,25/1,59/ 1,75	0,26/1,88/ 2,10	0,29/2,35/ 2,75
Energy efficiency SCOP		*	5,10	5,10	5,10	4,60	4,60	4,60	4,10
Energy efficiency class		*	A+++	A+++	A+++	A++	A++	A++	A+
INDOOR UNIT WHITE			RAS-B07G3KVSG-E	RAS-B10G3KVSG-E	RAS-B13G3KVSG-E	RAS-B16G3KVSG-E	RAS-B18G3KVSG-E	RAS-B22G3KVSG-E	RAS-B24G3KVSG-E
INDOOR UNIT BLACK			RAS-B07G3KVSGB-E	RAS-B10G3KVSGB-E	RAS-B13G3KVSGB-E	RAS-B16G3KVSGB-E	RAS-B18G3KVSGB-E	RAS-B22G3KVSGB-E	RAS-B24G3KVSGB-E

gy monitoring for -split & multi nex

Sound pressure level (low/med/high)	dB(A)	*	19/22/40	19/22/40	19/23/43	21/25/44	26/31/44	27/34/45	28/35/47
Dimensions (HxWxD)	mm		293 x 800 x 226	320 x 1053 x 245	320 x 1053 x 245	320 x 1053 x 245			
OUTDOOR UNIT			RAS-07J2AVSG-E1	RAS-10J2AVSG-E1	RAS-13J2AVSG-E1	RAS-16J2AVSG-E1	RAS-18J2AVSG-E1	RAS-22J2AVSG-E1	RAS-24J2AVSG-E1
OUTDOOR UNIT Sound pressure level (low/med/high)	dB(A)	*	ras-07j2avsg-e1 36/43/44	ras-10j2avsg-e1 36/43/44	ras-13j2avsg-e1 39/45/46	ras-16j2avsg-e1 40/47/48	ras-18j2avsg-e1 42/47/48	ras-22j2avsg-e1 43/48/49	ras-24j2avsg-e1 43/49/50

ACCESSORIES	DESCRIPTION	INCLUDED
Remote control	Infrared remote control included	✓

#### Everything at a glance

Thanks to the **energy monitoring** for single-split systems, you will not miss out on any kWh needed for your air conditioner. In addition to maximum efficiency, you can benefit from the highest comfort, without losing sight of your actual energy costs at any time.

Perfection and sustainability combined in a single APP.

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#### HAORI Textile design

HAORI is a real eye-catcher with its innovative textile design & material concept. The two fabric covers provided allow the HAORI to be quickly matched to any interior. And if they aren't enough, there are four further cover colors available, or you can decorate it with your own, totally individual design. HAORI offers the best efficiency values and is equipped with the latest air filter technology. The wifi adapter for control via APP is included as standard.



#### **Highlights**

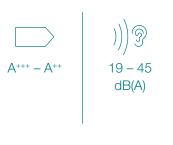
- > A<sup>+++</sup> for cooling & heating
- > Ozone air purifier and ultra pure filter
- > WiFi module integrated as standard





Energy monitoring for single-split & multi next controllable

The design remote control in refined black, with intuitive remote control functions such as power selection, eco mode for reducing energy consumption, and HI POWER for rapid cooling or heating.











INDOOR UNIT OUTDOOR UNIT			RAS-B10N4KVRG-E RAS-10J2AVSG-E1	RAS-B13N4KVRG-E RAS-13J2AVSG-E1	RAS-B16N4KVRG-E RAS-16J2AVSG-E1
Cooling capacity	kW	*	2,50	3,50	4,60
Cooling range (minmax.)	kW	*	0,89 - 3,20	1,00 - 4,10	1,20 - 5,30
Power consumption (min./nom./max.)	kW	*	0,19/0,54/0,79	0,25/0,80/1,12	0,34/1,35/1,72
Energy efficiency SEER		*	8,60	8,70	7,80
Energy efficiency class		*	A+++	A+++	A++
Heating capacity	kW	*	3,20	4,20	5,50
Heating range (minmax.)	kW	*	0,90 - 4,70	1,00 - 5,30	1,10 - 6,30
Power consumption (min./nom./max.)	kW	*	0,18/0,74/1,23	0,20/1,08/1,55	0,30/1,52/1,90
Energy efficiency SCOP		*	5,10	5,10	4,60
Energy efficiency class		*	A+++	A+++	A++

INDOOR UNIT			RAS-B10N4KVRG-E	RAS-B13N4KVRG-E	RAS-B16N4KVRG-E
Sound pressure level (low/med/high)	dB(A)	*	19/-/41	19/-/43	21/-/45
Dimensions (HxWxD)	mm		300 x 987 x 210	300 x 987 x 210	300 x 987 x 210
	111111				
OUTDOOR UNIT			RAS-10J2AVSG-E1	RAS-13J2AVSG-E1	RAS-16J2AVSG-E1
	dB(A)	*	RAS-10J2AVSG-E1 44	RAS-13J2AVSG-E1 46	RAS-16J2AVSG-E1 48

ACCESSORIES	DESCRIPTION	INCLUDED
RB-RXS34-E	HAORI design infrared remote control, black, with magnetic holder	✓
RB-14101-E	Fabric cover Dark Gray enclosed	✓
RB-14102-E	Fabric cover Light Gray enclosed	✓
RB-14103-E	Fabric cover Bluish Gray	
RB-14104-E	Fabric cover Gray Beige	
RB-14105-E	Fabric cover Dark Brown	
RB-I4106-E	Fabric cover Emerald Blue	





#### **Experience HAORI in 3D.**

Would you like to know how well HAORI will fit into your home? Then scan the QR code with your smartphone and position the 3D model in your environment.



Suitable for Android and iOS





# THERE ARE NO LIMITS TO YOUR DESIGN

4 simple steps to creating your own design:



Cut the textile to size using the cutting pattern\*.



Sew the Velcro on at the positions shown on the outline (7x).

\* Cutting patterns are available from your TOSHIBA partner.

# HAORI

# Infinite options with a textile cover – easy to attach, simple to remove.





Fold the textile over at the top and bottom, and stitch it down at the 4 points indicated.



Fold the textile and attach it to the corners of your air conditioning system with the Velcro.

#### Console Suitable for any room

Smaller than a standard radiator, but with heating and cooling function. You can choose between different air flow patterns and fan speeds. The unique floor heating effect guarantees warm feet.



#### Highlights

A++

- > Simple and flexible assembly
- > Individual choice of air flow
- > Floor heating effect
- > WiFi module available as an option

23 – 46 dB(A) &

 $\checkmark$ 



Outdoor unit (symbolic image)

App-controllable Comfort infrared remote control with backlit display,

weekly timer, silent functions, and floor heating effect

INDOOR UNIT OUTDOOR UNIT			RAS-B10J2FVG-E RAS-10J2AVSG-E1	RAS-B13J2FVG-E RAS-13J2AVSG-E1	RAS-B18J2FVG-E RAS-18J2AVSG-E
Cooling capacity	kW	*	2,50	3,50	5,00
Cooling range (minmax.)	kW	*	0,95 - 3,20	1,05 - 4,10	1,20 - 5,60
Power consumption (min./nom./max.)	kW	*	0,21/0,59/0,90	0,27/0,87/1,20	0,34/1,68/2,00
Energy efficiency SEER		*	7,20	7,00	6,80
Energy efficiency class		*	A++	A++	A++
Heating capacity	kW	*	3,20	4,20	6,00
Heating range (minmax.)	kW	۰	0,85 - 4,40	1,00 - 5,00	1,30 - 6,30
Power consumption (min./nom./max.)	kW	۰	0,18/0,82/1,25	0,22/1,27/1,55	0,31/2,05/2,20
Energy efficiency SCOP		*	4,70	4,70	4,60
Energy efficiency class		*	A++	A++	A++
INDOOR UNIT			RAS-B10J2FVG-E	RAS-B13J2FVG-E	RAS-B18J2FVG-E
Sound pressure level (low/med/high)	dB(A)	*	23/-/39	24/-/40	31/46
Dimensions (HxWxD)	mm		600 x700 x 220	600 x700 x 220	600 x 700 x 220
OUTDOOR UNIT			RAS-10J2AVSG-E1	RAS-13J2AVSG-E1	RAS-18J2AVSG-E
Sound pressure level (low/med/high)	dB(A)	*	-/-/44	-/-/46	49
Dimensions (HxWxD)	mm		550 x 780 x 290	550 x 780 x 290	550 x 780 x 290

Product change from E to E1 during the year.

Infrared remote control included

TOSHIBA Home AC Control - WiFi control with cable / Seiya, console

Remote control

RB-N106S-G

### Experience the console in 3D.

Would you like to know how well console will fit into your home? Then scan the QR code with your smartphone and position the 3D model in your environment.



Suitable for Android and iOS

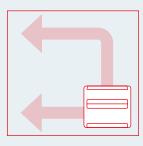






#### Cool head, warm feet

The two air outlets on the console ensure that the cooled air is guided upwards and then drops down. In heating operation, the warm air is output directly near the floor. Three fan speed steps offer tailored comfort.



#### DAISEIKAI

# Daiseikai 9

Premium multi-split

Daiseikai 9 combines design with comfort and efficiency at the highest level, making it excellent for multi-split operation. Perfect operating characteristics for both outdoor and indoor units paired with timeless design, premium quality air filter system, 3D air distribution, and user features that leave little to be desired.





Outdoor unit (symbolic image)

Comfort infrared remote control with backlit display and adjustable weekly timer



#### Highlights

- > Maximum efficiency in multi operation
- > Super ionizer & plasma filter
- > Optimum heat exchanger balance for heating & cooling
- > WiFi adapter can be integrated



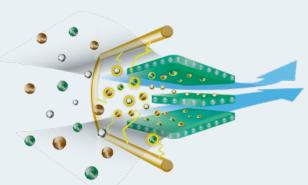


INDOOR UNIT			RAS-M10PKVPG-E	RAS-M13PKVPG-E	RAS-M16PKVPG-E
Cooling capacity	kW	*	2,50	3,50	4,50
Heating capacity	kW	*	3,20	4,00	4,50
Sound pressure level (low/med/high)	dB(A)	*	20/42	20/43	23/44
Dimensions (HxWxD)	mm		293 x 851 x 270	293 x 851 x 270	293 x 851 x 270

ACCESSORIES	DESCRIPTION	INCLUDED
Remote control	Infrared remote control included	✓
RB-N105S-G	TOSHIBA Home AC control - wireless WiFi control / Seiya, Shorai Edge, Daiseikai 9	

#### **Double-filtered is better**

The plasma filter is a multi-stage electric air purifier, and is considerably more effective than a simple dust filter. The tiniest particles are electrostatically charged, and stick to the heat exchanger, where they are discharged with the condensate. This self-cleaning filter with ionizer absorbs and neutralizes particles of the size of fine dust, pollen, mold spores, and viruses – to an order of magnitude of less than 0.01  $\mu$ m.



The electric air filter removes 99% of all pollutants.

#### Experience DAISEIKAI in 3D.

Would you like to know how well DAISEIKAI will fit into your home? Then scan the QR code with your smartphone and position the 3D model in your environment.



Suitable for Android and iOS

# Duct unit

In suspended ceilings, duct units are almost invisible to the user. The conditioned air can be delivered discretely via one or more outlets, according to the shape of the room. Uniform temperature control is guaranteed in all areas.



#### Highlights

- > Very quiet
- > Optimum air distribution possible
- > External fresh air supply possible
- > Optional filters available

27 – 39 dB(A)



Outdoor unit (symbolic image)



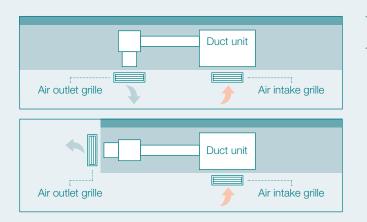


Optional wired remote control with On/Off timer and quiet function

Standard infrared remote control

INDOOR UNIT			RAS-M10U2DVG-E	RAS-M13U2DVG-E	RAS-M16U2DVG-E	RAS-M22U2DVG-E	RAS-M24U2DVG-E	
Cooling capacity KW 🕸		2,70	3,70 4,8		6,00	7,00		
		*	4,00	5,00	5,50	7,00	8,00	
		*	27/35	27/37	24/35	32/38	33/39	
			210 x 700 x 450	210 x 700 x 450	210 x 900 x 450	210 x 1100 x 450	210 x 1100 x 450	

ACCESSORIES	DESCRIPTION	INCLUDED
Remote control	Infrared remote control included	✓



#### The invisible one

The best way to hide an air conditioner is behind a suspended ceiling: the air in the room is drawn in from below or from the back of the unit, conditioned and blown back into the room via air ducts and a diffuser. However, it is also possible to suspend a narrow section of ceiling along one side of the room, and to install the duct unit in this.

# 60x60 slim cassette

#### 360° air comfort



The slim panel (just 62 x 62 cm) fits perfectly and visually into the ceiling grid. The optional presence sensor saves energy when there is no one in the room since the air conditioner responds and switches itself off automatically.

#### **Highlights**

- > Comfort air flow features
- > 12 mm flat panel in pure white
- > Optional remote control and presence sensor



(symbolic image)

Outdoor unit



Optional wired remote control with On/Off timer and auiet function



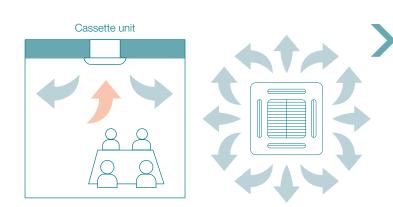
Optional infrared remote control





INDOOR UNIT			RAS-M10U2MUVG-E	RAS-M13U2MUVG-E	RAS-M16U2MUVG-E	
Cooling capacity	kW	*	2,70	3,70	4,50	
Heating capacity kW		*	4,00	5,00	5,50	
Sound pressure level (low/med/high)	dB(A)	*	30/-/37	33/-/39	33/-/41	
Dimensions (HxWxD)	mm		256 x 575 x 575	256 x 575 x 575	256 x 575 x 575	

ACCESSORIES	DESCRIPTION			
RBC-UM21PG(W)-E Panel for 60x60 slim cassette				
RBC-AXU31UM-E	Infrared remote control + receiver kit for installation in 60x60 slim cassette (SMMSu)			
RB-RWS21-E	Wired remote control with weekly timer			



#### The all-round distributor

The special shape of the louvers in the cassette units guarantees perfect air distribution in a 360° radius around the unit. This effectively prevents drafts, even in large rooms. The warm air is drawn in vertically from below. An optional presence sensor allows energy savings to be made.

# OUTDOOR UNITS

The choice of the right unit will depend on the **number of indoor units** to be connected and the **required power rating** of the unit. Your technical advisor will be happy to help you select the perfect combination.

#### SINGLE



ТҮРЕ			Power consumption Power consumption (min./nom./max.) (min./nom./max.)		Sound pressure level (low/med/high)	Dimensions (HxWxD)	
	kW 🏶 / kW 🔆	kW 🅸	kW 🔆	≉/∗	dB(A) 🕸 / dB(A) 🔆	mm	
SEIYA							
RAS-07E2AVG-E	2,00 / 2,50	0,20/0,53/0,83	0,16/0,64/0,94	A++ / A++	//47 ///49	530 x 660 x 240	
RAS-10E2AVG-E	2,50 / 3,20	0,20/0,70/1,00	0,18/0,86/1,11	A++ / A++	//47 ///49	530 x 660 x 240	
RAS-13E2AVG-E	3,30 / 3,60	0,25/1,10/1,25	0,18/0,92/1,25	A++ / A++	//48 ///49	530 x 660 x 240	
RAS-16E2AVG-E	4,20 / 5,00	0,34/1,27/1,60	0,24/1,34/1,70	A++ / A++	//50 ///51	550 x 780 x 290	
RAS-18E2AVG-E	5,00 / 5,40	0,34/1,50/1,80	0,26/1,50/1,80	A++ / A+	//50 ///51	550 x 780 x 290	
RAS-24E2AVG-E	6,50 / 7,00	0,41/2,25/2,60	0,29/2,10/2,55	A++ / A+	//54 ///54	550 x 780 x 290	
HAORI + SHORAI EDG	E + CONSOLE						
RAS-07J2AVSG-E1	2,00 / 2,50	0,19/0,39/0,67	0,16/0,50/0,80	A+++ / A+++	36/43/44 / 38/44/46	550 x 780 x 290	
RAS-10J2AVSG-E1	2,50 / 3,20	0,19/0,54/0,79	0,16/0,70/1,23	A+++ / A+++	37/43/44 / 39/45/46	550 x 780 x 290	
RAS-13J2AVSG-E1	3,50 / 4,20	0,25/0,90/1,12	0,20/1,08/1,55	A+++ / A+++	39/45/46 / 43/46/48	550 x 780 x 290	
RAS-16J2AVSG-E1	4,60 / 5,50	0,34/1,35/1,72	0,24/1,52/1,90	A++ / A++	40/47/48 / 43/49/50	550 x 780 x 290	
RAS-18J2AVSG-E1	5,00 / 6,00	0,35/1,42/2,00	0,25/1,59/1,75	A++ / A++	42/47/48 / 44/49/50	550 x 780 x 290	
RAS-22J2AVSG-E1	6,10 / 7,00	0,36/1,99/2,20	0,26/1,88/2,10	A++ / A++	43/48/49 / 46/50/51	550 x 780 x 290	
RAS-24J2AVSG-E1	7,00 / 8,00	0,38/2,25/2,55	0,29/2,35/2,75	A++ / A+	43/49/50 / 46/52/52	630 x 800 x 300	
DAISEIKAI 9							
RAS-10PAVPG-E	2,50 / 3,20	0,15/0,45/0,82	0,15/0,60/1,55	A+++ / A+++	46 / 47	630 x 800 x 300	
RAS-13PAVPG-E	3,50 / 4,00	0,18/0,75/1,00	0,17/0,80/2,00	A+++ / A+++	48 / 50	630 x 800 x 300	
RAS-16PAVPG-E	4,50 / 4,50	0,18/1,08/1,38	0,17/1,37/2,05	A+++ / A++	49 / 50	630 x 800 x 300	



TOSHIBA uses the R32 refrigerant for HOME applications. With a GWP (Global Warming Potential) of 675, this is much lower than the standard R410A refrigerant which has a GWP of 2,088. R32 is more energy efficient and has a significantly better heat transfer capacity than R410A. An air-conditioning system can thus achieve an approximately 60 % higher output with the same filling quantity.

#### MULTI





ТҮРЕ	Cooling capacity	Heating capacity	Power consumption (min./nom./max.)	Energy efficiency class	Sound pressure level (low/med/high)		
	kW ≉	kW 🔆	kW 🕸 / kW 🔆	*/★	dB(A) 🕸 / dB(A) 🔆	mm	
MULTI-SPLIT							
RAS-2M14U2AVG-E	4,00	4,40	0,92 / 0,89	A++ / A++	45 / 46	630 x 800 x 300	
RAS-2M18U2AVG-E	5,20	5,60	1,34 / 1,19	A++ / A++	47 / 50	630 x 800 x 300	
RAS-3M18U2AVG-E	5,20	6,80	1,17 / 1,58	A++ / A++	47 / 50	630 x 800 x 300	
RAS-3M26U2AVG-E	7,50	9,00	2,00 / 2,20	A++ / A++	48 / 49	890 x 900 x 320	
RAS-4M27U2AVG-E	2AVG-E 8,00 9,00		2,29 / 1,93	A++ / A++ 48 / 49		890 x 900 x 320	
RAS-5M34U2AVG-E	VG-E 10,00 12,00		2,98 / 2,83	A++ / A+	52 / 55	890 x 900 x 320	
MULTI-SPLIT NEXT							
RAS-2M14G3AVG-E	4,00	4,40	0,85 / 0,90	A+++ / A++	49 / 52	550 x 780 x 290	
RAS-2M18G3AVG-E	5,20	5,60	1,20 / 1,14	A+++ / A++	48 / 50	630 x 800 x 300	
RAS-3M18G3AVG-E	5,20	6,80	1,00 / 1,45	A+++ / A++	48 / 52	630 x 800 x 300	
RAS-3M26G3AVG-E	7,00	8,70	1,75 / 2,00	A+++ / A++	50 / 52	890 x 900 x 320	
RAS-4M27G3AVG-E	8,00	9,00	1,90 / 1,90	A++ / A++	A++ / A++ 50 / 52		
RAS-5M34G3AVG-E 10,00 12,00		2,60 / 2,80	A++ / A++ 54 / 54		890 x 900 x 320		

2M = 2-room multi-split, 3M = 3-room multi-split, 4M = 4-room multi-split, 5M = 5-room multi-split



Weinzeit Chalets Gamlitz, Cool Company Kälte - Klima - Gastro

# AIR CONDITIONING FUNCTIONS

Depending on the model and the descriptions on the previous pages, TOSHIBA air conditioning systems offer the following functions:



**Cooling:** The unit cools and dehumidifies.



Heating: The unit heats.



Hybrid inverter control: Infinitely variable power control.



Rotary compressor: Stability and high energy efficiency.

Twin-rotary compressor: Durable,

Self-cleaning function: Active use of the condensate for cleaning.

**Dust filter:** Washable filter for coarse impurities.

**IAQ filter:** Fine filter made from natural substances.

Active carbon-catechin filter: Filter with cleaning effect containing enzymes from green tea.

Ultra pure filter: Filters

**Ultra fresh filter:** Filters particles up to 2.5 µm.

Plasma filter / ionizer: Electrostatic filter system.

Ozone air purifier / ionizer: Ozone molecules are effective against odors, viruses, bacteria, and allergens.

HI POWER: Extra powerful air flow to quickly reach the desired temperature.

Auto diagnostics: Tests the unit to ensure it is working perfectly.

**Eco mode:** Energy-saving function.

Quiet mode: Whisper mode for the indoor unit.

Silent mode: Whisper mode for the outdoor unit.



**Comfort sleep:** Gradually increases the temperature by 2°C until morning.



**Power selection:** Limits the power and



Floor mode: Natural floor heating effect for greater comfort.

Auto mode: Automatic choice between cooling and heating.

**One-touch mode:** Fully automatic

operation tailored to your needs.













TOSHIBA WiFi READY: WiFi module can be integrated and controlled via smartphone.



TOSHIBA WiFi INCLUDED: Unit controlled via smartphone.





Timer: Individual programming of On/Off times.



Automatic restart: After a power blackout.

8°C frost protection: Protects unoccupied rooms.



(U)

Fireplace mode: Ventilation mode distributes heat from other heat sources.



**3D airflow:** 3D airflow in six individual patterns.



**Presence sensor:** Saves energy according to



**Careflow:** This function moves the air



Swing mode: Louver swing function.

# PRODUCT OVERVIEW

	FUNCTIONS	DAISEIKAI 9	SEIYA	SHORAI EDGE	SHORAI EDGE BLACK & WHITE	HAORI	CONSOLE	DUCT UNIT	60x60 SLIM CASSETTE
	SINGLE-split usage	<u> </u>	O	<u> </u>	0	<u> </u>	O		
	MULTI-split usage	·····	·····	·····	·····	·····	····:		(
Γ	Cooling	•		•	•	•		•	٠
	Heating	•		•	•	•		•	٠
Γ	R32 refrigerant	•		•	•	•		•	٠
	Hybrid inverter control	•		٠	•	•		•	٠
	Rotary compressor		07 – 18	07/10/13/16	07/10/13/16	•	10/13		
	Twin-rotary compressor	•	24	18/22/24	18/22/24		18	•	٠
Γ	Self-cleaning function	٠	•	٠	•	•	٠	•	•
	Dust filter	٠	•	٠	•	٠	٠	0	•
	IAQ filter	0	0	0	0	0	•		
	Active carbon-catechin filter	0	0	0	0	0	0		
	Ultra pure filter	0	0	•		•	0		
	Ultra fresh filter	0	•	0	0	0	0		
	Plasma filter / ionizer	•							
	Ozone air purifier / ionizer					•			
Γ	HI POWER	•	•	•	•	•	•	•	•
	Auto diagnostics	•	•	•	•	•	•	•	•
	Eco mode	•	•	•	•	•	•	•	
	Quiet mode	•	•	•	•	•	•	•	٠
	Silent mode	•	•	•	•	•	•		
	Comfort sleep	•	•	•	•		•	•	٠
	Power selection	•		•	•	•			
	Floor mode						•		
	Preset mode	•	•	•	•		•	•	•
	One-touch mode							•	
	TOSHIBA WIFI	0	0	0	•	•	0		
	Weekly timer	•	0	•	0	0	•	0	0
	Timer		•			•		•	•
	Automatic restart	•	•	•	•	•		•	•
	8°C frost protection	•	•	•	•	•			
	Fireplace mode			•	•	•	•		
	Swing mode	•	•	•	•	•	•		•
	3D airflow	•		18/22/24	18/22/24	•			
	Presence sensor								0

Standard Optional

# CONTROL OPTIONS

In addition to the quality of the air conditioners, the controller also makes a significant contribution to the comfort and efficiency of the unit. The optimum settings can save additional energy.



#### WIRED REMOTE CONTROL

There is an optional room remote control for duct and cassette units, which guarantees that your remote control is always in the right place.



#### **INFRARED REMOTE CONTROL**

Almost all home units are supplied with infrared remote controls; their functions differ according to the unit.



DUCT UNIT CASSETTE UNIT



DAISEIKAI 9 CONSOLE



SEIYA



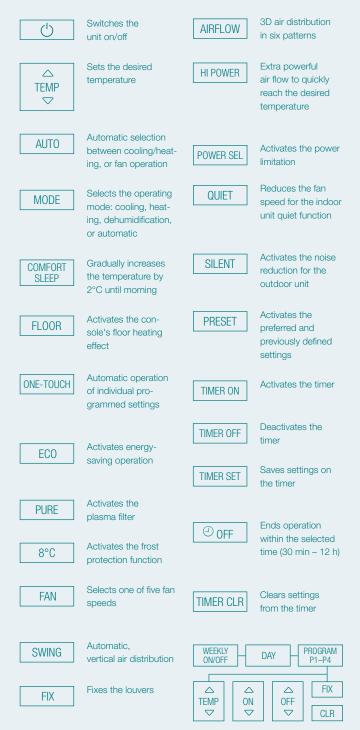
SHORAI EDGE BLACK & WHITE



HAORI



#### REMOTE CONTROL FUNCTIONS



The weekly timer allows up to four freely programmable settings per day, or seven programs per week.

#### **APP SOLUTIONS**



It is so simple to control the air conditioning system from your smartphone.

With **TOSHIBA Home AC Control** you can control your units via an app from anywhere. For example, the air conditioning system can cool the air before you get home, and saves energy when you are away. The **Energy Monitoring** function for single-split systems provides an overview of all the settings and costs at any time.

The RBC combi control module is used to control remotely via an app or SMS, even without wifi. Only one SIM card is needed.



All TOSHIBA units are **wifi-capable** and compatible with **Combi Control**.

Thanks to the **energy monitoring**, you will not miss out on any kWh needed for your air conditioner.

# TOSHIBA

Expertise in every sector -

air conditioning systems and heat pumps for cooling and heating

HOME comprises all the air conditioning solutions for your own home.

Every ESTIA heat pump incorporates TOSHIBA's knowledge and experience.

LIGHT BUSINESS / BUSINESS delivers air conditioning solutions for business and industry.

USX chillers – the new and superlative special systems.





TOSHIBA's innovative air conditioning systems were specially developed to ensure your wellbeing in your home, and its progressive technology offers comfort 365 days a year. Quiet operation, air filtering, and purification are just some of the benefits for greater comfort in your home. An air conditioning system is also the perfect heating solution, especially at season changes.

High quality and efficiency in a space-saving format. The ESTIA air-to-water heat pump is extremely effective and is ideal for heating, hot water preparation, and cooling in your home. Heating with heat from the air – environmentally friendly, cost-effective, and efficient.

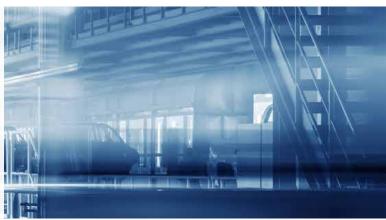




Single-room solutions are suitable for smaller commercial applications, such as offices, shop floors, or plant rooms, where reliability is paramount and continuous operation is required. Multi-room solutions comprise air conditioning

systems for complex installations in large structures such as office buildings, shopping malls, or hotels.

TOSHIBA's USX chillers represent a new dimension in refrigeration and heat generation. If the capacity required exceeds the technical and financial limits of direct evaporation systems, then water-based systems are used.





#### We advise you personally your certified toshiba partner

TOSHIBA specialist partner:

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