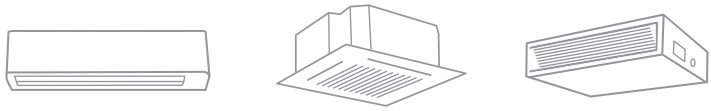
TOSHIBA

Residential & Light Commercial

Catalogue 2024



5 REASONS TO BUY TOSHIBA AIR CONDITIONERS

1 DESIGNED FOR THE MIDDLE EAST

The PKCV Series by Toshiba is specifically designed to withstand the high ambient temperatures in the Middle East. Toshiba has thoroughly tested this series to ensure that it provides 100% comfort and reliable cooling even at ambient temperatures of up to 54°C.

2 QUIET PERFORMANCE

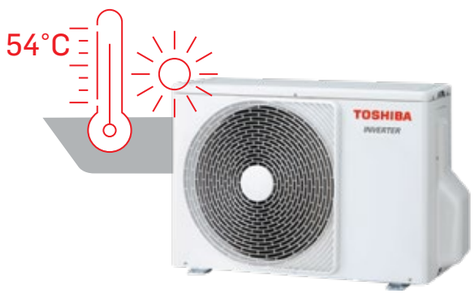
The overall experience of using Toshiba's PKCV is greatly improved with a quiet performance model. It allows users to enjoy the benefits of climate control without the inconvenience of noise levels.

3 TOP CLASS ENERGY EFFICIENCY

Toshiba air conditioner boasts a remarkable level of energy efficiency, setting it apart as a top-class performer. Engineered with cutting-edge technology, it maximizes cooling output while minimizing energy consumption.

150°C
COMPRESSOR POWER LEAD

CORROSION
RESISTANCE



FIRST INVERTER-BASED AIR CONDITIONER

HFC R-410A

UP TO **70%** ENERGY SAVING

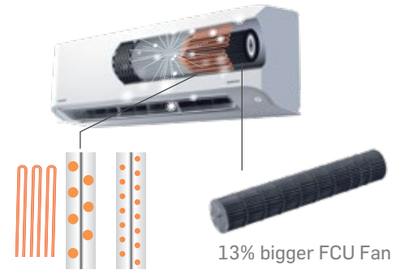
ECO LOGIC to reduce energy consumption.



4 MAXIMUM AIR FLOW FOR A LARGER ROOM

With a 13% bigger FCU (Fan Coil Unit) fan combined with 10% increase in heat-transfer surface, the new Toshiba inverter Hi Wall offers industry leading air flow and instant cooling.

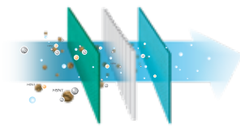
17 Meter maximum air flow for a wide room



5 CLEAN AIR

Technology for Improved Health

Toshiba IAQ technology effectively prevents harmful bacteria and viruses like H5N1 Avian Influenza from reproducing. This means that your family can enjoy cleaner air and you and your living space will appear freshly cleaned.



TOSHIBA IAQ Filter

Our advanced filtration system works on the following:

Anti-bacteria:
Destroys up to 99.9% of bacteria.

Deodorizing power:
Absorbs and decomposes smoke, ammonia, volatile organics, food smells and bad odors.

Mold Prevention:
Prevents mold formation inhibits the formation of mold and fungi.

Anti-virus:
Effective against Avian Influenza virus

Japanese Technology

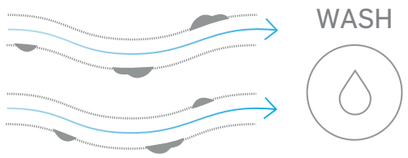
SELF CLEANING FUNCTION



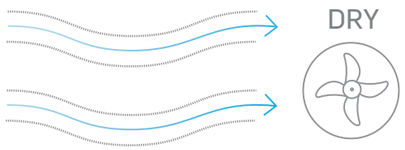
Aqua Resin Coated Coil



Self-cleaning operation in 20 mins.



Reduces water and oil formation and prevents dust from sticking to the unit coil.



Fan operation after shutdown helps dry water droplets and keeps the coils dry and clean.



SMART AIR CONDITIONER WiFi READY*

Download the Toshiba Home AC Control App and get started:

The Toshiba Home AC Control App lets you easily manage your surroundings' temperature. Accessible on your smartphone or tablet, the app works seamlessly with Toshiba PKCV inverter high-wall units for personalized temperature control anytime, anywhere.

Customise your comfort, at home or away

Take control of your home's temperature with our smart app. Enjoy perfect comfort anywhere, anytime without the need for a remote control.

Smart Connectivity

Our app allows you to easily manage your AC from any location. You can customize your AC schedule to align with your family's routine, which will help decrease your energy usage and cut down on your utility bill. The app is now available for Android users on Google Play and App Store for iOS.



works with the Google Assistant

WORKS WITH amazon alexa

Download on the App Store

Google play

TOSHIBA AC features **voice control functions** compatible with Google Home Assistant & Amazon Alexa

FEATURES

QUIET
The indoors will operate at the lowest noise level without compromising comfort.

Hi POWER
For extra airflow intensity to cool down your room faster than ever!

FAN SPEED
5 Fan speeds with a comfortable setting, plus Auto fan and Hi-Power modes. Choose from gentle airflow up to the Hi Power mode.

ON-OFF TIMER
The on-off timer makes it easy to program your air conditioner to switch on or off.

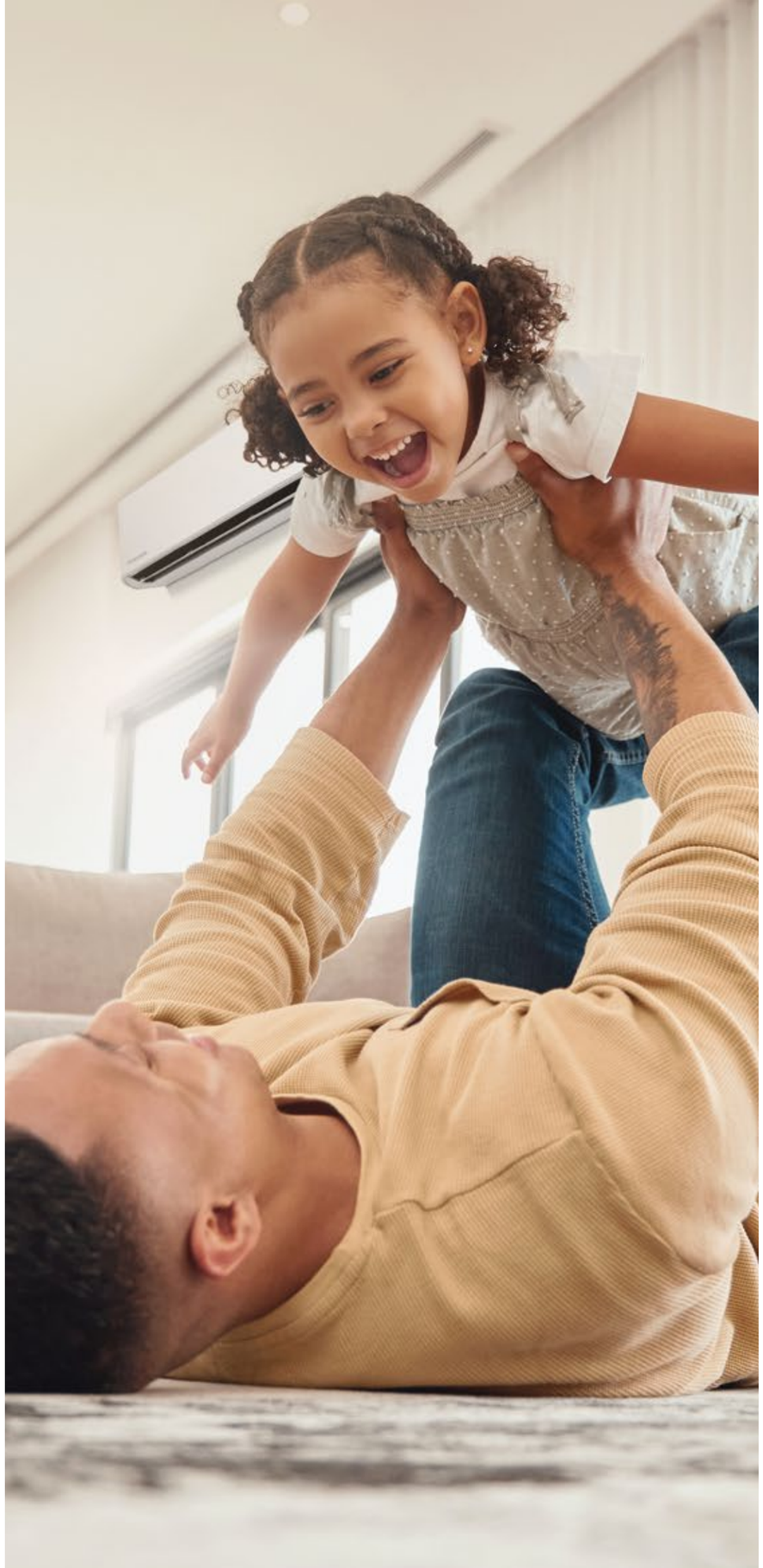
EASY MAINTENANCE
Saves money and extends the life of air conditioner.

AQUA RASIN COATED
Ensures better heat transfer and healthier airflow.

AUTO DIAGNOSIS
The 26 Code Auto Diagnosis monitors main functions and components for easy maintenance.

SELF CLEANING
Ensures long-lasting performance and improved IAQ.

11 LOUVER SETTINGS
Allows to adjust the airflow precisely to the position that gives efficient airflow for greatest comfort.



Specifications

System			Inverter Cooling Only (R410A)		
Model	Indoor unit		RAS-18PKCV-AE	RAS-24PKCV-AE	RAS-30PKCV-AE
	Outdoor unit		RAS-18PACV-AE	RAS-24PACV-AE	RAS-30PACV-AE
Power supply		V/Ph/Hz		220-240/1/50	
T1	Cooling Capacity (Maximum)	kW	5.83	7.1	9
	Cooling Capacity (Rated)	kW	5.30	6.50	7.40
	Total Input (Rated)	kW	1.46	1.82	2.08
	EER (Rated)	W/W	3.63	3.57	3.56
T3	Cooling Capacity (Maximum)	kW	5.04	6.13	7.77
	Cooling Capacity (Rated)	kW	4.55	5.68	6.40
	Total Input (Rated)	kW	1.86	2.32	2.57
	EER (Rated)	W/W	2.45	2.45	2.49
Indoor unit					
	Airflow (H/M/L)	m3/h	1188/744/408	1398/774/444	1398/984/708
		l/s	330 / 207 / 113	388 / 215 / 123	388 / 215 / 123
	Sound pressure level (H/M/L)	dB(A)	52/41/30	53/47/39	54/47/41
	Dimension (HxWxD)	mm	320x1050x250	320x1050x250	320x1050x250
	Net weight	kg	14	16	16
Outdoor unit					
	Sound pressure level (H)	dB(A)	50	59	60
	Compressor type			Rotary	
	Dimension (HxWxD)	mm	550x780x290	630x800x300	890x900x320
	Net weight	kg	38	46	67
Heat exchange material			Cu-Al	Cu-Al	Cu-Al
Pipe size					
	Liquid side	mm(inch)	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")
	Gas side	mm(inch)	12.7 (1/2")	15.88 (5/8")	15.88 (5/8")
	Refrigerant charge (R410A)	kg	1.45	2	2.35
	Max. pipe length	m	20	25	30
	Chargeless pipe length	m	15	15	15
	Max. pipe height	m	15	15	20
	Additional refrigerant charge	g/m	20	30	30
	Operation Range	°C	21 - 54	21 - 54	21 - 54

T1 :Capacity test condition, inside : 27 °C (Db) / 19 °C (Wb), outside : 35 °C (Db) / 24 °C (Wb)
T3 :Capacity test condition, inside : 29 °C (Db) / 19 °C (Wb), outside : 46 °C (Db) / 26 °C (Wb
* The specifications may be subject to change without notice for purpose of improvement.

Cooling operation testing conditions:

	T1	T3
Indoor	27°C DB / 19°C WB	29°C DB / 19°C WB
Outdoor	35°C DB / 24°C WB	46°C DB / 24°C WB



1.5TR



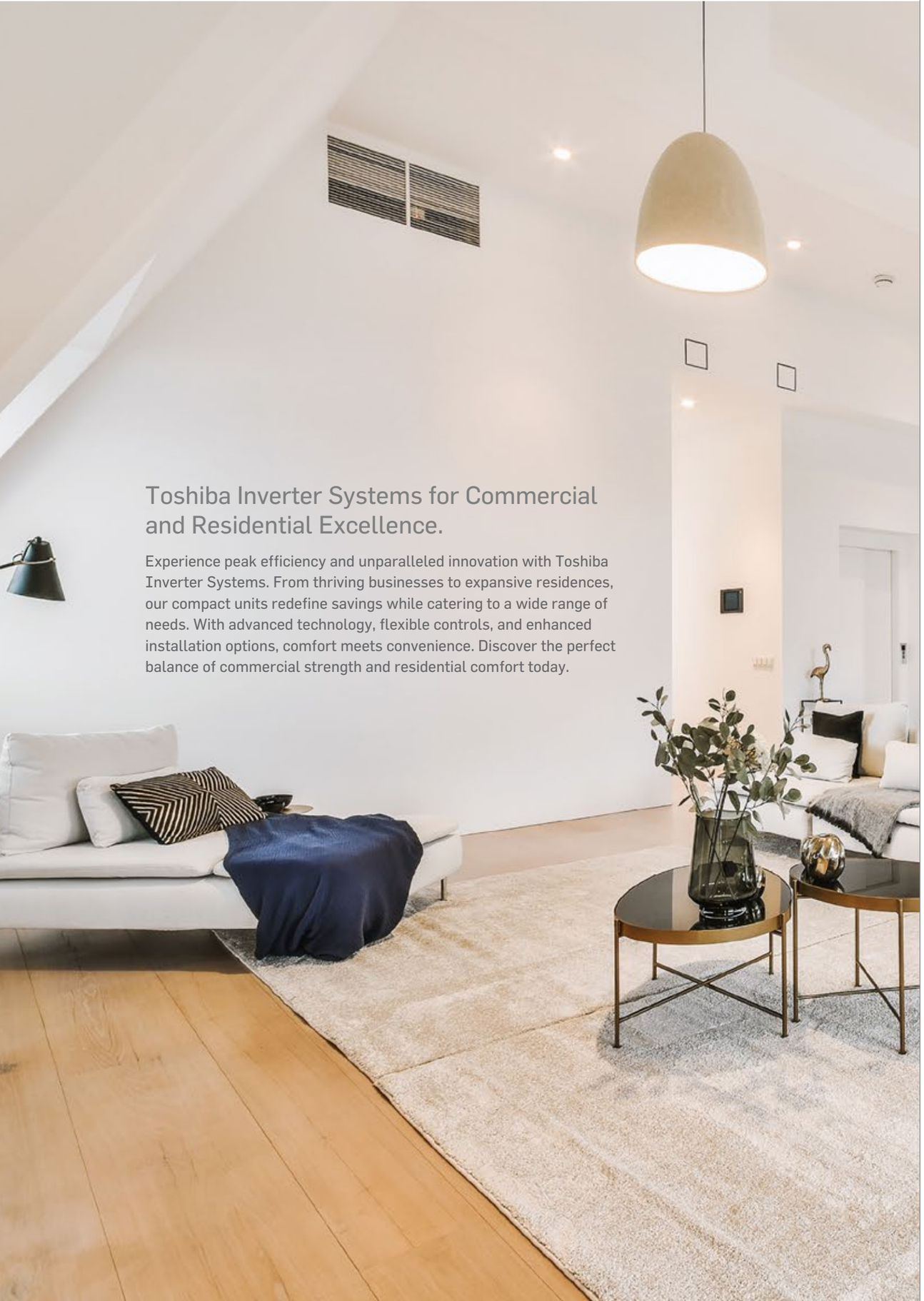
2.0TR



2.5TR

LIGHT COMMERCIAL INVERTER

EXPERIENCE
THE FUTURE NOW



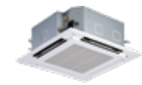
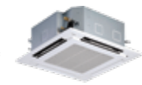
Toshiba Inverter Systems for Commercial and Residential Excellence.

Experience peak efficiency and unparalleled innovation with Toshiba Inverter Systems. From thriving businesses to expansive residences, our compact units redefine savings while catering to a wide range of needs. With advanced technology, flexible controls, and enhanced installation options, comfort meets convenience. Discover the perfect balance of commercial strength and residential comfort today.

PRODUCT LINEUP

Residential Inverter

Type Cooling only							
	TR	1.5	2.0	2.5	3.0	4.0	5.0
	BTU K	18	24	30	36	48	60
	KW	5.3	6.6	8.8	10.1	12.5	14.2
Standard duct		 AV-SH**18**01BP-AE	 RAV-SH**24**01BP-AE	 RAV-SH**30**01BP-AE	 RAV-SH3601BP-AE	 RAV-SH4801BP-AE	 RAV-SH6001BP-AE1
Condensing unit		 RAV-SHB1801AP-AE	 RAV-SHB2401AP-AE	 RAV-SHB3001AP-AE	 RAV-SHB3601AP-AE	 RAV-SHB4801A8P-AE	 RAV-SHB6001A8P-AE

Type Cooling only						
	TR	1.5	2.0	2.5	3.0	4.0
	BTU K	18	24	30	36	48
	KW	5.3	6.6	8.8	10.1	12.5
4-way cassette		 RAV-SH1801UP-AE	 RAV-SH2401UP-AE	 RAV-SH3001UP-AE	 RAV-SH3601UP-AE	 RAV-SH4801UP-AE
Condensing unit		 RAV-SHU1801AP-AE	 RAV-SHU2401AP-AE	 RAV-SHU3001AP-AE	 RAV-SHU3601AP-AE	 RAV-SHU4801A8P-AE

FEATURES



Powerful Cooling



High Energy Efficiency



Upto 54˚C



R410A Refrigerant



Quiet Operation

DUCTED
WITH DC MOTOR

RAV-SH****BP



1.5, 2.0 and 2.5 TR



3.0 and 4.0 TR



5.0 TR

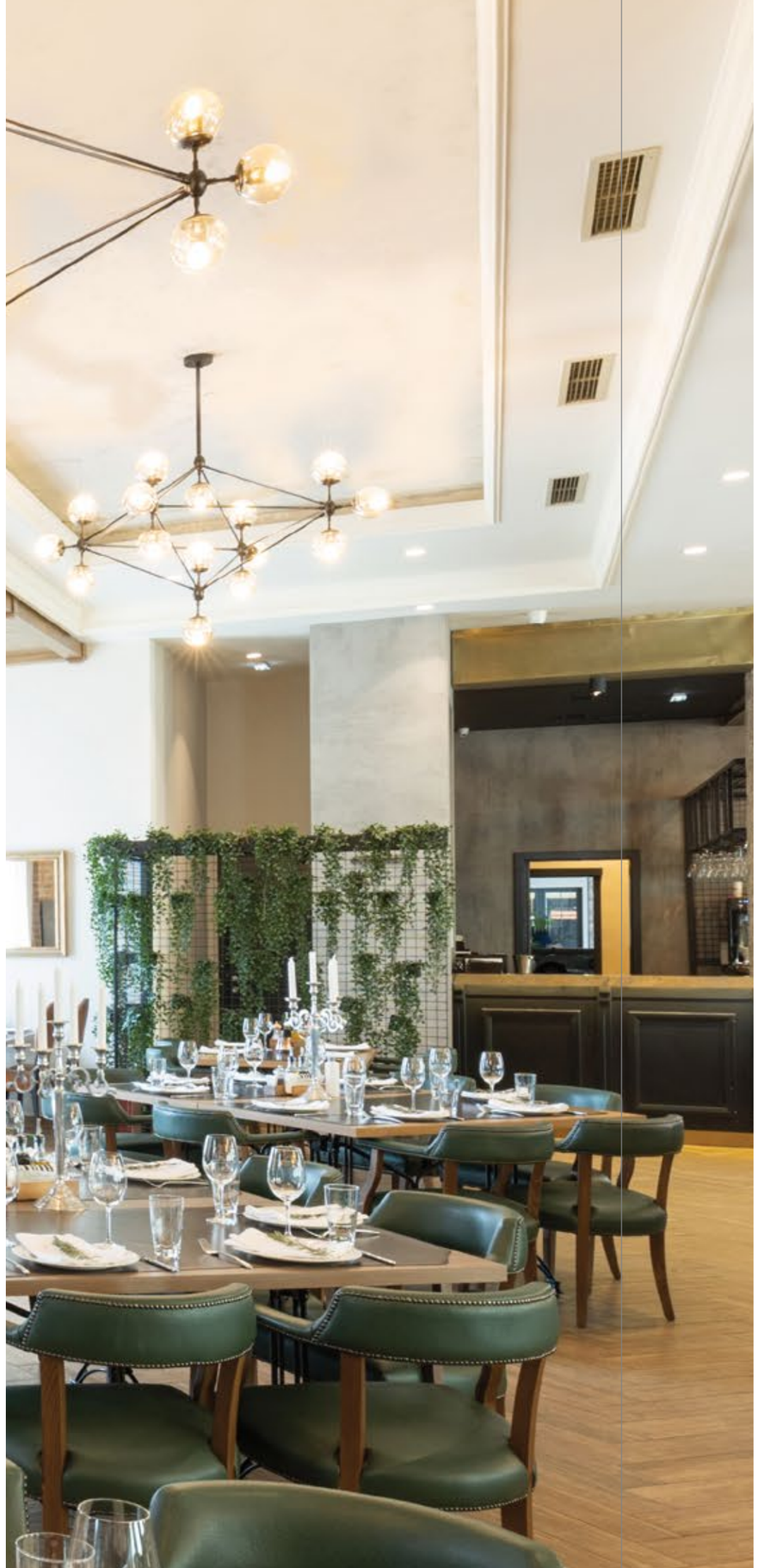
FEATURES

Industry Leading ESP

Auto Air-Flow adjustment

Built-in drain pump

Installation Flexibility



BENEFITS

Built-in high-lift drain pump

A drain-pump kit is used to create a flexible piping layout that can be raised up to 850mm. This kit is a standard feature for sizes 18-48 and is optional for size 60.

Remote Control



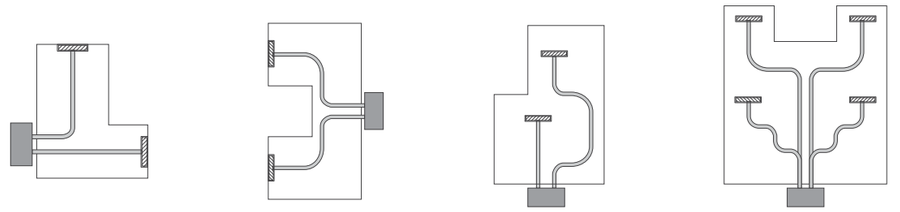
RBC-ASCU11Y-ME

Auto Air-Flow adjustment

Toshiba's built in DC inverter fan motor chooses the most suitable fan curve to ensure the highest level of comfort.

Flexible ducting options for complete design flexibility

Suitable for ducted applications, Toshiba Ducted Units offer complete design flexibility and operate with high static pressure to ensure that all areas of the room can be reached for even temperature distribution, irrespective of the complexity of layouts.



Polygonal rooms

Narrow rooms

Rooms with fixture and obstacles

1.5 Ton; Max 120Pa & 1,500 m3/h (30Pa)
2.0 Ton; Max 120Pa & 1,500 m3/h (30Pa)
2.5 Ton; Max 160Pa & 2,000 m3/h (50Pa)

3.0 Ton; Max 180Pa & 2,300 m3/h (50Pa)
4.0 Ton; Max 180Pa & 3,000 m3/h (50Pa)
5.0 Ton; Max 180Pa & 3,600 m3/h (50Pa)

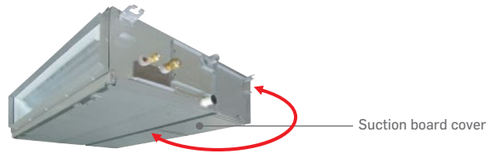
Standard duct

Product Specifications		Indoor Outdoor	RAV-SH1801BP-AE RAV-SHB1801AP-AE	RAV-SH2401BP-AE RAV-SHB2401AP-AE	RAV-SH3001BP-AE RAV-SHB3001AP-AE	RAV-SH3601BP-AE RAV-SHB3601AP-AE	RAV-SH4801BP-AE RAV-SHB4801A8P-AE	RAV-SH6001BP-AE1 RAV-SHB6001A8P-AE
Power Supply			1 phase 220V-240V 50Hz			3Phase 380-415V 50Hz		
T1	Cooling Capacity (Maximum)	kW	6.0	8.0	10.0	11.2	15.9	19.0
	Cooling Capacity (Rated)	kW	5.30	6.60	8.80	10.10	12.50	14.20
	Total Input (Rated)	kW	1.48	1.91	2.48	2.92	3.62	3.94
	EER (Rated)	W/W	3.58	3.46	3.55	3.46	3.45	3.60
T3	Cooling Capacity (Maximum)	kW	4.66	6.20	7.75	9.32	13.0	14.2
	Cooling Capacity (Rated)	kW	4.50	5.61	7.50	8.60	11.00	12.6
	Total Input (Rated)	kW	1.85	2.31	3.09	3.52	4.51	4.51
	EER (Rated)	W/W	2.43	2.43	2.43	2.44	2.44	2.79
Indoor Unit								
Outer Dimension	Height	(mm)	275	275	275	298	298	448
	Width	(mm)	1000	1000	1400	1400	1400	1400
	Depth	(mm)	750	750	750	750	750	900
Airflow	H / M / L	m3/h	1500 / 900 / 800	1500 / 1080 / 900	2000 / 1700 / 1200	2300 / 2000 / 1400	3000 / 2000 / 1600	3600 / 3240 / 2500
		l/s	417 / 250 / 216	417 / 300 / 250	556 / 472 / 333	639 / 556 / 389	833 / 556 / 433	1000 / 900 / 694
Sound Pressure Level	H / M / L	dB(A)	41 / 38 / 33	41 / 39 / 36	42 / 41 / 38	44 / 43 / 39	53 / 50 / 41	44 / 40 / 36
External Static Pressure	Factory Standard (Upper - Lower)	Pa	30 (130-30)	30 (130-30)	50 (160-30)	50 (180-30)	50 (180-30)	50 (250-50)
Total Weight		Kg	31	31	41	42	42	97
Indoor Filter			Built-in			TCB-LK1401D-E	TCB-LK1401D-E	TCB-LK2801DP-E
Outdoor Unit								
Outer Dimension	Height	(mm)	550	630	890	890	1340	1340
	Width	(mm)	780	800	900	900	900	990
	Depth	(mm)	290	300	320	320	320	320
Total weight		Kg	41	46	69	71	108	109
Piping	Max Total Length	(m)	35	35	35	35	50	50
	Max Height Difference	(m)	25	25	25	25	30	30
Flare Connection	Gas side	(mm)	12.7	15.9	15.9	15.9	15.9	19.1
	Liquid side	(mm)	6.4	9.5	9.5	9.5	9.5	9.5
Sound pressure level	Cooling	(dB)	47	52	54	57	63	63
Operating Range	Cooling	(°C)	21 - 54					

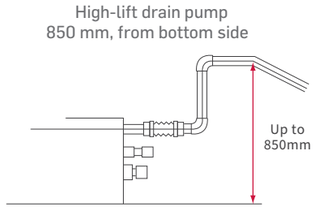
T1 :Capacity test condition, inside : 27 °C (Db) / 19 °C (Wb), outside : 35 °C (Db) / 24 °C (Wb)
T3 :Capacity test condition, inside : 29 °C (Db) / 19 °C (Wb), outside : 46 °C (Db) / 26 °C (Wb
* The specifications may be subject to change without notice for purpose of improvement.

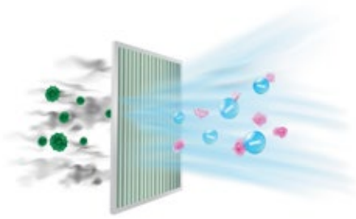
Installation flexibility

- Drain pump is standard for models up to 48K
- Air filter is standard for models up to 30K
- Back or under air intake is possible
- High-lift drain pump



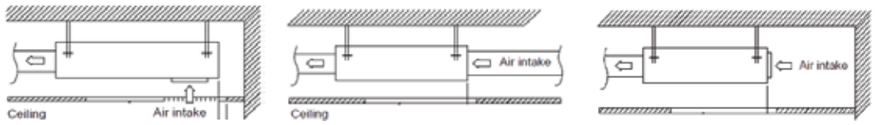
Installation is flexible by changing from the back to the under air intake.
Suction board cover can be fixed either at the bottom or the back of unit.





Long life filter included

Various installation options for air suction



Compact sizing

Compact size, especially in height (275mm* and 298mm**), offers the customer a wide range of installation options.

Flexible ducting

- Design flexibility
- Max. 180Pa with DC motor

Flexible Installation

- Back or under air intake
- High-lift drain pump
  (850 mm. from the bottom side)



Self-clean operation

Automatic washing of the aqua resin-coated indoor unit fins using condensate water prevents dust accumulation and the spread of mold.

Aqua resin-coated Magic coil in FCU

The aqua resin coating prevents dirt from sticking to the fins. Condensation water flow washes away dirt. After washing, a drying operation suppresses the propagation of mold.



Magic Coil heat exchanger



4-way cassette

Black & White





FEATURES

Efficiency

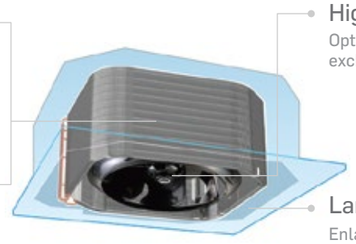
The Toshiba 4-way inverter cassette incorporates several energy-saving technologies to improve operational efficiency and cost savings.

Magic coil

Maintains efficient heat transfer rate and energy saving by flushing oil and dirt with condensation water.

Long slit of heat exchanger

Improves heat transfer rate by mixing airflow more effectively.



High efficient DC Fan motor

Optimizes DC Fan motor for fan and heat exchanger.

Large opening of AC vent

Enlarging the AC vent to reduce the noise caused by large air volume.

Compact sizing

Compact size, especially height (256mm) offers wide installation flexibility to the customer.

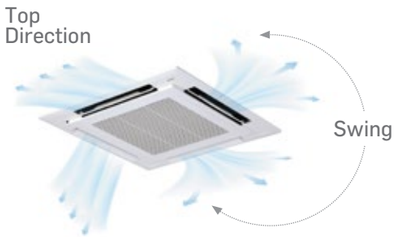


*1.5-2.0 Ton



Comfort

You can control each louver separately, allowing for precise management of the air flow direction.



The air flow does not reach an occupant who may be feeling cold, directly.



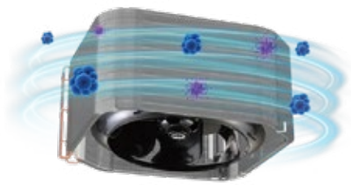
Direct air flow to an occupant who may be feeling warmer than others

Self-clean operation

Automatic washing of the aqua resin coated indoor unit fins using condensate water.

Magic coil in FCU by Aqua resin coated

Automatic washing of the aqua resin-coated indoor unit fins using condensate water prevents dust accumulation and the spread of mold. After washing, a drying operation suppresses mold build-up.



Magic Coil heat exchanger

Fireproof electrical enclosure

Entirely fireproof electrical enclosures for indoor and outdoor units ensure safety by preventing fire spread, explosions, and fire-burn.



Power Surge Protection



Electric Current Stabilization



Anti-Corrosion Coating

4-Way Cassette

Product Specifications		Indoor / Outdoor	RAV-SH1801BP-AE / RAV-SHB1801AP-AE	RAV-SH2401BP-AE / RAV-SHB2401AP-AE	RAV-SH3001BP-AE / RAV-SHB3001AP-AE	RAV-SH3601BP-AE / RAV-SHB3601AP-AE	RAV-SH4801BP-AE / RAV-SHB4801A8P-AE
Power Supply			1 phase 220V-240V 50Hz			3Phase 380-415V 50Hz	
T1	Cooling Capacity (Maximum)	kW	6.00	8.00	10.0	11.20	15.90
	Cooling Capacity (Rated)	kW	5.30	7.10	8.80	10.60	12.50
	Total Input (Rated)	kW	1.48	2.06	2.45	2.97	3.61
	EER (Rated)	W/W	3.58	3.45	3.59	3.57	3.46
T3	Cooling Capacity (Maximum)	kW	4.66	6.2	7.75	9.32	13.0
	Cooling Capacity (Rated)	kW	4.50	6.03	7.5	9.60	10.95
	Total Input (Rated)	kW	1.85	2.49	3.09	3.74	4.51
	EER (Rated)	W/W	2.47	2.42	2.43	2.43	2.43
Indoor Unit							
Outer Dimension (Main Unit)	Height	(mm)	256	256	319	319	319
	Width	(mm)	840	840	840	840	840
	Depth	(mm)	840	840	840	840	840
Ceiling Panel (Sold Separately)	Height	(mm)	30	30	30	30	30
	Width	(mm)	950	950	950	950	950
	Depth	(mm)	950	950	950	950	950
Airflow	H / M / L	m3/h	1050 / 870 / 780	1230 / 960 / 810	2100 / 1440 / 1170	2150 / 1500 / 1260	2300 / 1840 / 1500
		l/s	292 / 242 / 217	342 / 267 / 225	583 / 400 / 325	639 / 556 / 389	639 / 511 / 417
Sound Pressure Level	H / M / L	dB(A)	37 / 36 / 34	40 / 37 / 36	46 / 42 / 37	44 / 43 / 39	49 / 45 / 43
Total Weight	Main Unit	kg	20			24	
	Ceiling Panel	kg	4.2				
Ceiling Panel (Sold Separately)			Model: RBC-U31PGXP(W)-IN1				
Outdoor Unit							
Outer Dimension	Height	(mm)	550	630	890	890	1340
	Width	(mm)	780	800	900	900	900
	Depth	(mm)	290	300	320	320	320
	Total weight	Kg	41	46	69	71	108
Piping	Max Total Length	(m)	35	35	35	35	50
	Max Height Difference	(m)	25	25	25	25	30
Flare Connection	Gas side	(mm)	12.7	15.9	15.9	15.9	15.9
	Liquid side	(mm)	6.4	9.5	9.5	9.5	9.5
Sound pressure level	Cooling	(dB)	47	52	54	57	63
Operating Range	Cooling	(°C)	21 - 54				

T1 :Capacity test condition, inside : 27 °C (Db) / 19 °C (Wb), outside : 35 °C (Db) / 24 °C (Wb)
T3 :Capacity test condition, inside : 29 °C (Db) / 19 °C (Wb), outside : 46 °C (Db) / 26 °C (Wb
* The specifications may be subject to change without notice for purpose of improvement.

Remote Control



RBC-ASCU11Y-ME

FEATURES THAT REDEFINE EFFICIENCY

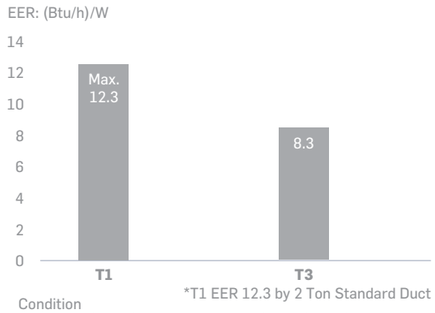
Combining twin rotary compressors and all inverter-driven control in Toshiba's product guarantees accuracy and high efficiency

Award in Japan
Twin Rotary
Compressor



1.5 to 5.0 TR

Highest energy efficiency at T1 and T3



*T1 EER 12.3 by 2 Ton Standard Duct

Condition
T1 : Indoor air temperature 27°C DB / 19°C WB, Outdoor air temperature 35°C DB
T3 : Indoor air temperature 29°C DB / 19°C WB, Outdoor air temperature 46°C DB

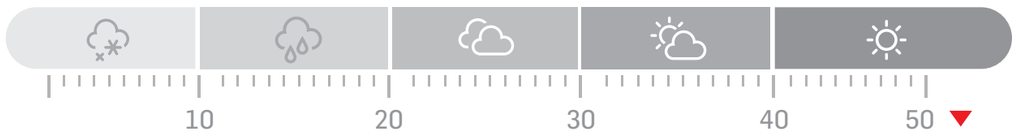
Twin rotary compressor

Toshiba's unique combination of twin rotary compressor and all inverter driven control with R410A refrigerant contribute to guaranteed accuracy and enables our customers to benefit from the expertise of flawless Japanese technology.



High operation range

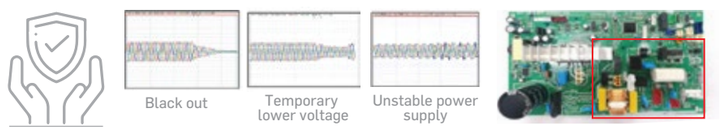
The Light Commercial-Inverter has a wide operating range complimented by the high reliability of twin rotary compressors.



Cooling up to 54˚C

Protection circuit

The Light Commercial Inverter offers a protection circuit (as standard) that protects the PC board under an unstable power supply* and a function that detects incorrect wiring of the power supply for the 3-Phase product.





FEATURES AND BENEFITS

Inverter Technology

Inverter compressors continuously adjust their speed to meet temperature requirements while reducing energy and saving cost.

Wide operating range

Top class cooling peformance under extreme weather conditions upto 54C.

Piping flexibility - Up to 50m

Extended pining lenghts alow high flexibility in design by covering long piping run applications.

Reinforced anti corrosion

Heavy anti cottosion protetion to withstand harsh weather conditions for a longer lifespan.



TOSHIBA

FEEL THE CHANGE

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