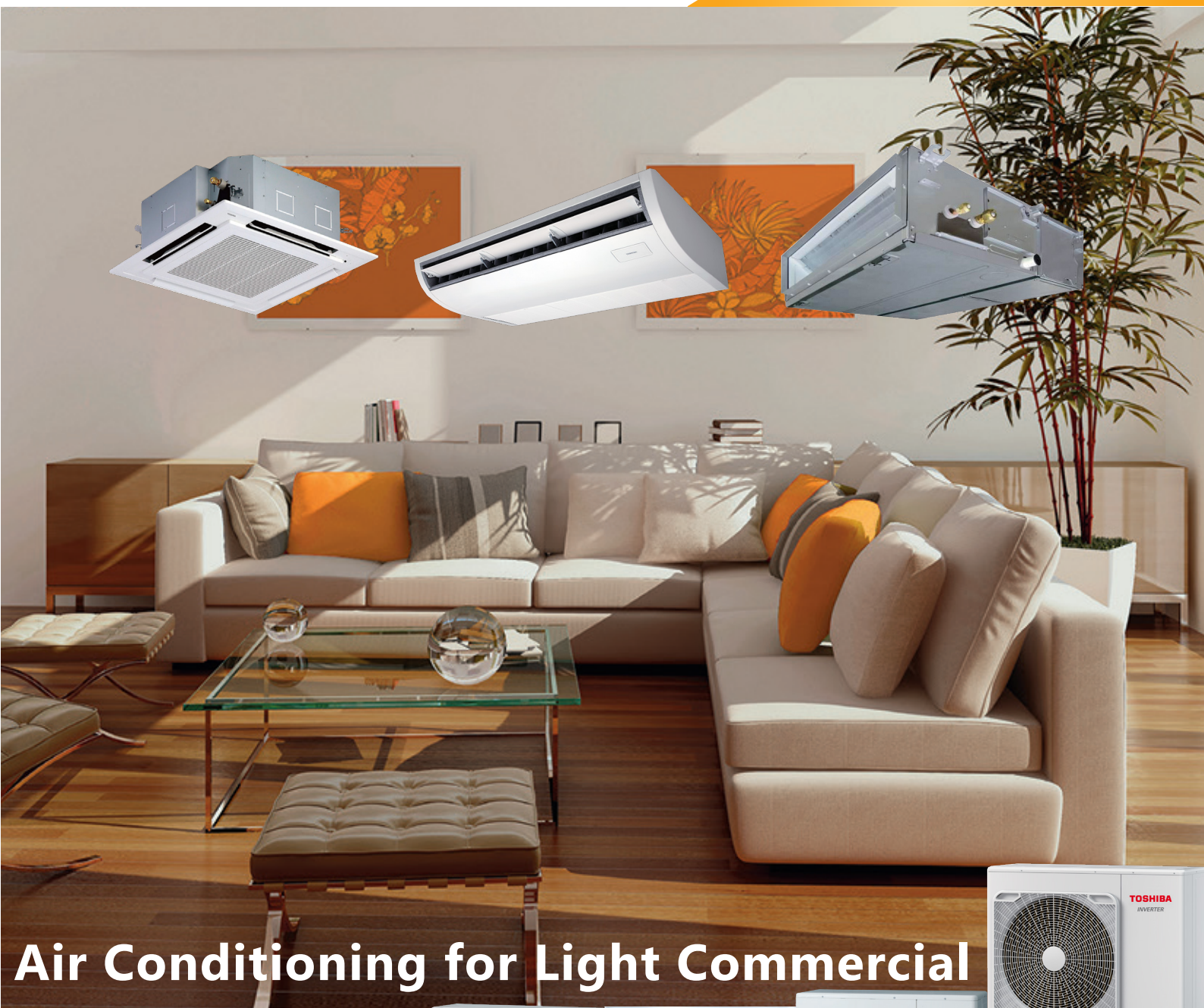


TOSHIBA



Air Conditioning for Light Commercial



Better Air Solutions



1Ph RAV-GE1301AP

**RAV-GE1801AP
RAV-GE2401AP**

**RAV-GE3001AP
RAV-GE3601AP
RAV-GE4201AP**

3Ph

**RAV-GE3601A8P
RAV-GE4201A8P
RAV-GE4801A8P**

RAV-GE6001A8P

4-WAY CASSETTE TYPE

RAV-GE1301UP

**RAV-GE1801UP
RAV-GE2401UP**

**RAV-GE3001UP
RAV-GE3601UP
RAV-GE4201UP
RAV-GE4801UP**

RAV-GE6001UP

CEILING TYPE

RAV-GE1301CP

**RAV-GE1801CP
RAV-GE2401CP**

**RAV-GE3001CP
RAV-GE3601CP
RAV-GE4201CP
RAV-GE4801CP**

RAV-GE6001CP

STANDARD DUCT TYPE

RAV-GE1301BP

**RAV-GE1801BP
RAV-GE2401BP**

**RAV-GE3001BP
RAV-GE3601BP
RAV-GE4201BP
RAV-GE4801BP**

RAV-GE6001BP

4-WAY CASSETTE



CEILING



STANDARD DUCT

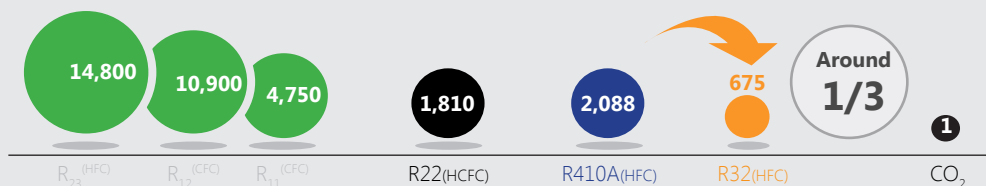


GWP BETWEEN R410A & R32

⁽¹⁾Global Warming Potential

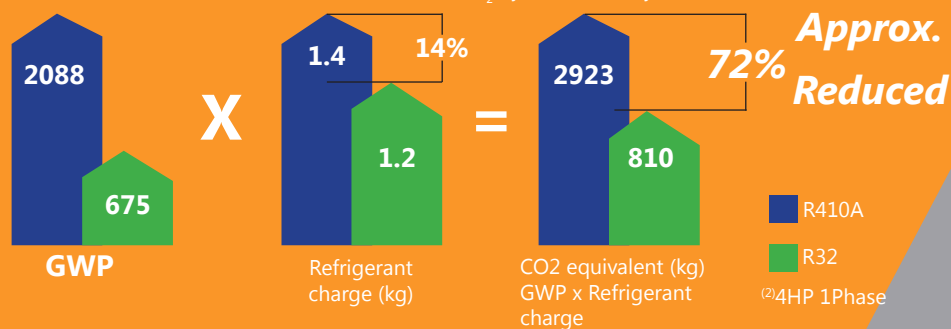
LIFE CYCLE CLIMATE PERFORMANCE

GWP⁽¹⁾

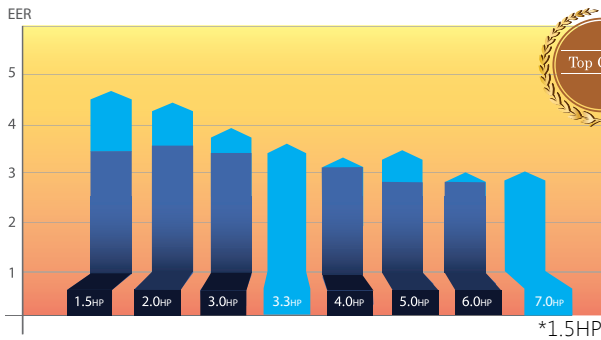


SPI R32 reduced refrigerant and GWP

R32 low GWP, combined with SPI 14% reduction of refrigerant charge, allows to reduce the total equivalent CO₂ by 72% of the system.⁽²⁾



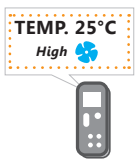
Energy saving



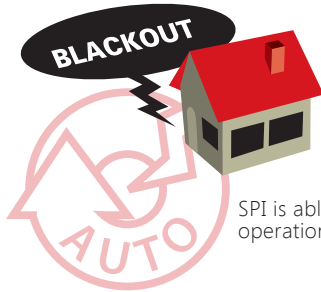
Top class EER 4.76*

Thanks to Toshiba's unique energy saving technologies, the new SPI model can achieve 40% improved.

Auto restart function



After the power fail recovery

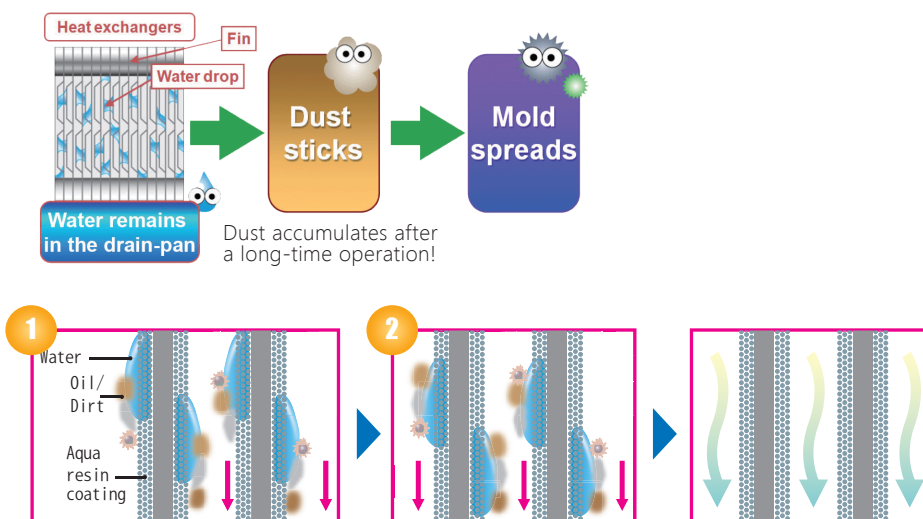


SPI is able to continue the operation with original state!

For stable operation in area with unstable electricity, SPI has AUTO restart function as standard for blackout.

Self-clean operation with Aqua-resin coated coil

The mechanism of the wash-off by aqua-resin coated indoor unit's fins.



Piping range

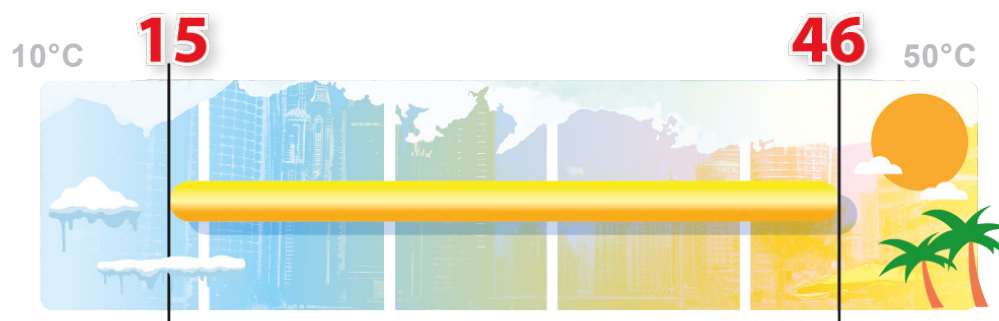
SPI Piping range		1.5HP	2.0&3.0HP	4.0&5.0HP	6.0HP	1.5HP-7.0HP
Refrigerant		R410A	R410A	R410A	R410A	R32
Max. length (L)	m	20.0	25.0	30.0	50.0	50.0
Max. height difference (H)	m	10.0	10.0	20.0	30.0	30.0
Charge less	m	15.0	15.0	15.0	15.0	15.0

*1.5HP

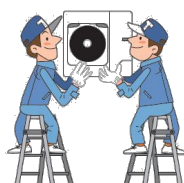
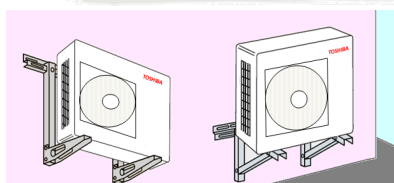


Outside temperature

SPI has wide operation range which satisfy user needs.



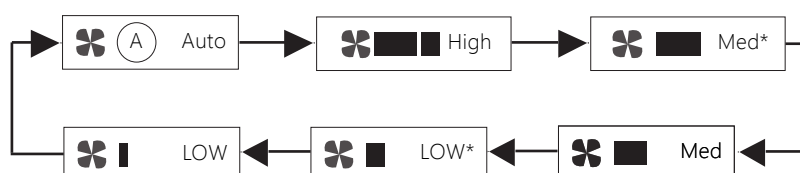
Compact & Light-weight



- Easy to install outdoor unit on the wall by rack or an angle.
- Easy to carry and transportation.
- Easy installation and not different from current SPI (R410A)
 - >>> Working pressure for R410A and R32 are similar
 - >>> R32 can be easily charged in both liquid and gas state
 - >>> Safety commissioning instructions are similar to R410A

Air-flow control

Indoor units can provide 5-step fine control of air volume, the wind strength can be controlled with higher accuracy.



*The function is available with wireless remote controller and wired remote controller model RBC-AMS55E-ES/EN only.

Durability

Aluminum alloy

In general, the density of aluminum is one-third lighter of copper!

Specialized aluminum alloy adapted heat exchanger to prevent corrosion!



Anti-Corrosion

With a new resistance corrosion aluminium alloy, the heat exchanger becomes highly durable. A salt spray test has been conducted to demonstrate the corrosion-resistant capability of our products in corrosive environments for a certain period of time.

Testing standard: JIS Z2371

Before testing



After testing



Normal observation

Under telescope

No evidence of corrosion was observed

After undergoing an intensive test, the heat exchanger is able to maintain its shape without corrosion, which strongly confirms its durability in a highly corrosive environment.

Fin guard installed

Strengthen safety by installing fin guard for additional protection heat exchanger fin directly contact to installer or user.

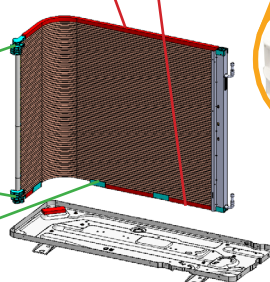
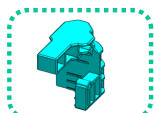
Plastic joint cover and rubber sheet installed

Longer life time operation by installing plastic joint cover and rubber sheet between aluminum heat exchanger and steel part in outdoor unit to reduce the corrosion.

Plastic joint cover

Plastic cover

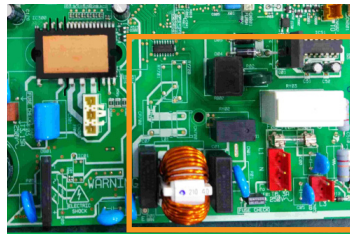
Rubber sheet



Protection circuit

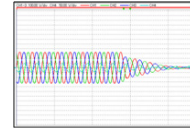
SPI has the protection circuit to protect the PC board under unstable power supply and a function that detects mis-wiring of the power supply for 3Phase product*

*3Phase 380-400V±10%

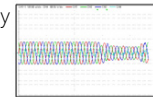


Protection circuit

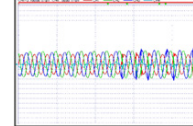
Black out



Temporary lower voltage



Unstable power supply

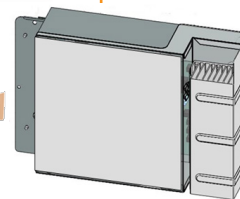


Sealed up inverter box

Inverter box of SPI is fully sealed up in order to avoid malfunction due to sands, dust and small animal.



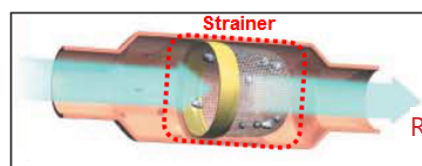
Inverter box



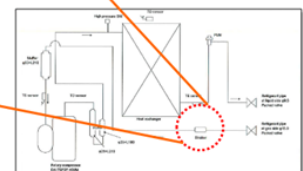
Small animal

Strainer in gas pipe

SPI has the strainer in the gas pipe to remove the dust and metal-abrasion powder.

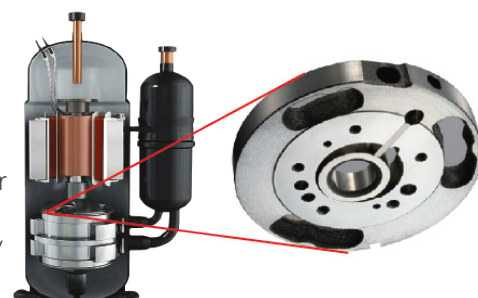


Refrigerant cycle diagram



Twin rotary compressor

Toshiba's unique combination of twin rotary compressor and all inverter driven control remain unchanged with new R32 refrigerant, contribute to guaranteed accuracy and expertise of flawless Japanese quality.



4WAY CASSTTE TYPE RAV-GE_{xxx}1UP

Technical specification

Equivalent		HP	1.5	2.0	3.0	3.3	4.0	5.0
Model Name	Indoor unit (RAV-)		GE1301UP	GE1801UP	GE2401UP	GE3001UP	GE3601UP	GE4201UP
	Outdoor unit (RAV-)		GE1301AP	GE1801AP	GE2401AP	GE3001AP	GE3601AP	GE4201AP
Power supply (Outdoor unit)			1-phase 50Hz 220-240V / 1-phase 60Hz 220-230V					
Cooling capacity (Min-Rate-Max)		kW	1.1-3.9-4.0	1.2-5.0-5.6	1.2-7.1-8.0	3.0-8.8-10.0	4.0-10.6-11.2	4.0-12.3-13.2
Power consumption (Rate)		kW	0.82	1.13	1.93	2.45	3.14	3.57
EER			4.76	4.42	3.68	3.59	3.38	3.45
Indoor unit	Airflow (H/M+/M/L+/L)	m ³ /h	1050/950/870/810/780	1050/950/870/810/780	1230/1110/960/900/810	1820/1610/1360/1150/1080	2010/1750/1440/1230/1170	2130/1800/1440/1250/1230
	Sound pressure level (H/M+/M/L+/L)	dB(A)	34/33/31/29/27	35/33/31/29/27	35/33/31/29/28	43/42/39/38/37	46/44/42/39/37	47/45/43/40/38
	Panel model		RBC-U31PGXP(W)-IN1					
	Dimensions (HxWxD)	Main unit	mm	256x840x840	256x840x840	256x840x840	256x840x840	319x840x840
		Panel	mm	30x950x950	30x950x950	30x950x950	30x950x950	30x950x950
	Weight	Main unit	kg	20	20	20	20	24
		Panel	kg	4	4	4	4	4
Outdoor unit	Compressor	Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
		Motor output	W	750	750	750	2200	3000
	Refrigerant charge (R32)		kg	0.7	0.9	1.0	1.2	1.4
	Sound pressure level		dB(A)	47	52	52	58	59
	Dimensions (HxWxD)		mm	550x780x290	630x800x300	630x800x300	890x900x320	890x900x320
Piping connections	Weight		kg	32	37	37	59	60
	Liquid side		mm	6.4	6.4	9.5	9.5	9.5
	Gas side		mm	12.7	12.7	15.9	15.9	15.9
Max. pipe total length		m	50	50	50	50	50	50
Max. height difference		m	30	30	30	30	30	30
Operation range		°C	15 ~ 46	15 ~ 46	15 ~ 46	15 ~ 46	15 ~ 46	15 ~ 46

Equivalent		HP	4.0	5.0	6.0	7.0
Model Name	Indoor unit (RAV-)		GE3601UP	GE4201UP	GE4801UP	GE6001UP
	Outdoor unit (RAV-)		GE3601A8P	GE4201A8P	GE4801A8P	GE6001A8P
Power supply (Outdoor unit)			3-phase 50Hz 380-415V / 3-phase 60Hz 380-400V			
Cooling capacity (Min-Rate-Max)		kW	4.0-10.6-11.2	4.0-12.3-13.2	4.0-14.1-15.9	4.0-17.8-18.5
Power consumption (Rate)		kW	3.14	3.57	4.70	5.93
EER			3.38	3.45	3.00	3.00
Indoor unit	Airflow (H/M+/M/L+/L)	m ³ /h	2010/1750/1440/1230/1170	2130/1800/1440/1250/1230	2130/1840/1500/1290/1260	2200/1960/1820/1580/1500
	Sound pressure level (H/M+/M/L+/L)	dB(A)	46/44/42/39/37	47/45/43/40/38	47/46/44/38/39	48/47/45/44/43
	Panel model		RBC-U31PGXP(W)-IN1			
	Dimensions (HxWxD)	Main unit	mm	319x840x840	319x840x840	319x840x840
		Panel	mm	30x950x950	30x950x950	30x950x950
	Weight	Main unit	kg	24	24	24
		Panel	kg	4	4	4
Outdoor unit	Compressor	Type		Twin Rotary	Twin Rotary	Twin Rotary
		Motor output	W	3000	3750	3750
	Refrigerant charge (R32)		kg	1.2	1.4	1.5
	Sound pressure level		dB(A)	59	60	63
	Dimensions (HxWxD)		mm	890x900x320	890x900x320	1340x900x320
Piping connections	Weight		kg	59	61	83
	Liquid side		mm	9.5	9.5	9.5
	Gas side		mm	15.9	15.9	19.1
Max. pipe total length		m	50	50	50	50
Max. height difference		m	30	30	30	30
Operation range		°C	15 ~ 46	15 ~ 46	15 ~ 46	15 ~ 46

Note: The cooling capacities are measured under the conditions specified by JIS B 8615 based on the reference piping

Indoor air temperature 27.0°C DB / 19.0°C WB, outdoor air temperature 35.0°C DB

The sound level are measured in an anechoic chamber in accordance with JIS B 8616



Comfort

Easy to install

Reliability

Aqua resin coated fins in Indoor unit

Comfort

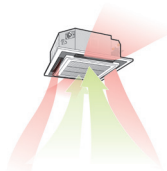
Two louver shape option: straight flow louver and wide flow louver; optimum air distribution.

Individual setting of louver position: 3 different swing mode: Standard, Diagonally opposite and Turn-around.

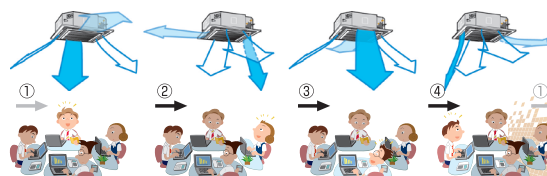
1) Standard



2) Diagonally opposite



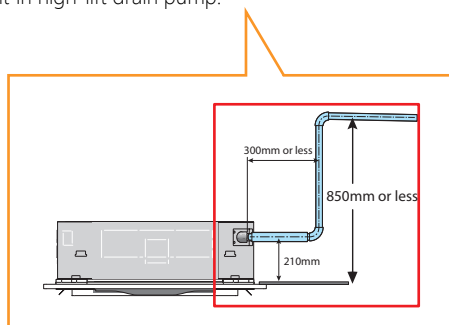
3) Turn-around



Wide air flow in all direction.

Reliability

Built-in high-lift drain pump.



Wide flow louver panels



RBC-U31PGXP(W)-IN1

It is easy to maintain a neat appearance when multiple units are installed.

Easy to install

Compact chassis with only 256mm. height*.

Light-weight unit, for easy and quick installation. Easy panel installation, The panel is attached using the bolt that is already installed on the indoor unit.

*1.5HP-3.3HP

Wireless & Wired remote controller

Standard supply*



RBC-AMT32E**



RBC-AMS55E-ES/EN**

*Included with indoor unit.
**Available as an option.

CEILING TYPE RAV-GExxx1CP

Technical specification

Equivalent		HP	1.5	2.0	3.0	3.3	4.0	5.0
Model Name	Indoor unit (RAV-)		GE1301CP	GE1801CP	GE2401CP	GE3001CP	GE3601CP	GE4201CP
	Outdoor unit (RAV-)		GE1301AP	GE1801AP	GE2401AP	GE3001AP	GE3601AP	GE4201AP
Power supply (Outdoor unit)			1-phase 50Hz 220-240V / 1-phase 60Hz 220-230V					
Cooling capacity (Min-Rate-Max)		kW	1.1-3.9-4.0	1.2-5.0-5.6	1.2-7.1-8.0	3.0-8.8-10.0	4.0-10.6-11.2	4.0-12.3-13.2
Power consumption (Rate)		kW	0.88	1.19	2.12	2.56	3.18	3.63
EER			4.43	4.20	3.35	3.44	3.33	3.39
Indoor unit	Airflow (H/M+/M/L+/L)	m³/h	900/840/720/620/540	900/840/720/620/540	1750/1610/1520/1280/1180	1750/1620/1520/1290/1180	1860/1670/1530/1310/1200	2040/1600/1560/1260/1220
	Sound pressure level (H/M+/M/L+/L)	dB(A)	37/36/35/31/30	37/36/35/32/31	42/39/35/33/31	43/40/36/34/32	44/41/38/36/33	46/44/41/37/35
	Dimensions (HxWxD)	mm	235x952x690	235x952x690	235x1269x690	235x1269x690	235x1586x690	235x1586x690
	Weight	kg	23	23	29	29	37	37
Outdoor unit	Compressor	Type	Twin Rotary		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
		Motor output	W	750	750	750	2200	3000
	Refrigerant charge (R32)		kg	0.7	0.9	1.0	1.2	1.4
	Sound pressure level		dB(A)	47	52	52	58	59
	Dimensions (HxWxD)		mm	550x780x290	630x800x300	630x800x300	890x900x320	890x900x320
Piping connections	Liquid side		mm	6.4	6.4	9.5	9.5	9.5
	Gas side		mm	12.7	12.7	15.9	15.9	15.9
Max. pipe total length		m	50	50	50	50	50	50
Max. height difference		m	30	30	30	30	30	30
Operation range		°C	15 ~ 46	15 ~ 46	15 ~ 46	15 ~ 46	15 ~ 46	15 ~ 46

Equivalent		HP	4.0	5.0	6.0	7.0
Model Name	Indoor unit (RAV-)		GE3601CP	GE4201CP	GE4801CP	GE6001CP
	Outdoor unit (RAV-)		GE3601A8P	GE4201A8P	GE4801A8P	GE6001A8P
Power supply (Outdoor unit)			3-phase 50Hz 380-415V / 3-phase 60Hz 380-400V			
Cooling capacity (Min-Rate-Max)		kW	4.0-10.6-11.2	4.0-12.3-13.2	4.0-14.1-15.9	4.0-17.8-18.5
Power consumption (Rate)		kW	3.18	3.63	4.70	5.93
EER			3.33	3.39	3.00	3.00
Indoor unit	Airflow (H/M+/M/L+/L)	m³/h	1860/1670/1530/1310/1200	2040/1600/1560/1260/1220	2040/1720/1650/1280/1260	2300/2170/1910/1620/1570
	Sound pressure level (H/M+/M/L+/L)	dB(A)	44/41/38/36/33	46/44/41/37/35	47/46/44/41/37	48/47/45/43/41
	Dimensions (HxWxD)	mm	235x1586x690	235x1586x690	235x1586x690	235x1586x690
	Weight	kg	37	37	37	37
Outdoor unit	Compressor	Type	Twin Rotary		Twin Rotary	Twin Rotary
		Motor output	W	3000	3750	3750
	Refrigerant charge (R32)		kg	1.2	1.4	1.5
	Sound pressure level		dB(A)	59	60	63
	Dimensions (HxWxD)		mm	890x900x320	890x900x320	1340x900x320
Piping connections	Liquid side		mm	9.5	9.5	9.5
	Gas side		mm	15.9	15.9	19.1
Max. pipe total length		m	50	50	50	50
Max. height difference		m	30	30	30	30
Operation range		°C	15 ~ 46	15 ~ 46	15 ~ 46	15 ~ 46

Note: The cooling capacities are measured under the conditions specified by JIS B 8615 based on the reference piping

Indoor air temperature 27.0°C DB / 19.0°C WB, outdoor air temperature 35.0°C DB

The sound level are measured in an anechoic chamber in accordance with JIS B 8616



Reliability

Easy to install and maintain

Adaptability

Comfort

Aqua resin coated fins in Indoor unit

Reliability

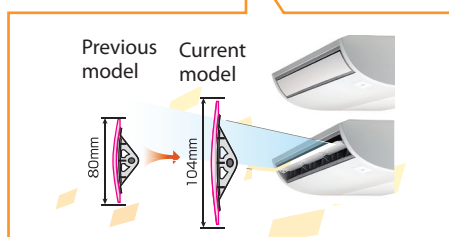
Self-cleaning function, enables the air flow to remain constant and fresh and reduces the frequency of service visits.

Comfort

Automatic louver control for all year round comfort and efficiency. Low noise levels, thanks to high diameter fan and large air volume.

Adaptability

Anti-bacterial drain pump available as an option.



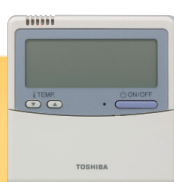
Easy to install and to maintain

The design, represents the best possible solution, where there is a lack of space or absence of a ceiling void.

Wireless & Wired remote controller



RBC-ACX33CE1**



RBC-AMT32E**



RBC-AMS55E-ES/EN**

**Available as an option.

STANDARD DUCT TYPE RAV-GExxx1BP

Technical specification

Equivalent			HP	1.5	2.0	3.0	3.3	4.0	5.0
Model Name	Indoor unit (RAV-)			GE1301BP	GE1801BP	GE2401BP	GE3001BP	GE3601BP	GE4201BP
	Outdoor unit (RAV-)			GE1301AP	GE1801AP	GE2401AP	GE3001AP	GE3601AP	GE4201AP
Power supply (Outdoor unit)			1-phase 50Hz 220-240V / 1-phase 60Hz 220-230V						
Cooling capacity (Min-Rate-Max)			kW	1.1-3.9-4.0	1.2-5.0-5.6	1.2-7.1-8.0	3.0-8.8-10.0	4.0-10.6-11.2	4.0-12.3-13.2
Power consumption (Rate)			kW	0.96	1.50	2.15	2.59	3.40	3.67
EER				4.06	3.33	3.30	3.40	3.12	3.35
Indoor unit	Airflow (H/M+/M/L+/L)		m³/h	900/840/710/620/540	900/840/710/620/540	1440/1260/1110/1000/960	1440/1260/1180/1060/960	1440/1260/1180/1060/960	2100/1900/1650/1470/1260
	External static pressure	Factory setting	Pa	30	30	30	30	30	50
		Upper-Lower	Pa	120-30	120-30	120-30	120-30	120-30	120-30
	Sound pressure level (H/M+/M/L+/L)		dB(A)	35/34/33/30/28	35/34/33/30/28	41/40/38/35/34	41/40/39/38/37	43/42/41/40/38	44/43/42/41/39
	Dimensions (HxWxD)		mm	275x700x750	275x700x750	275x1000x750	275x1000x750	275x1000x750	275x1400x750
	Weight		kg	23	23	30	30	30	40
Outdoor unit	Compressor	Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
		Motor output	W	750	750	750	2200	3000	3750
	Refrigerant charge (R32)		kg	0.7	0.9	1.0	1.2	1.2	1.4
	Sound pressure level		dB(A)	47	52	52	58	59	60
	Dimensions (HxWxD)		mm	550x780x290	630x800x300	630x800x300	890x900x320	890x900x320	890x900x320
	Weight		kg	32	37	37	59	60	62
Piping connections	Liquid side		mm	6.4	6.4	9.5	9.5	9.5	9.5
	Gas side		mm	12.7	12.7	15.9	15.9	15.9	15.9
Max. pipe total length			m	50	50	50	50	50	50
Max. height difference			m	30	30	30	30	30	30
Operation range			°C	15 ~ 46	15 ~ 46	15 ~ 46	15 ~ 46	15 ~ 46	15 ~ 46

Equivalent			HP	4.0	5.0	6.0	7.0
Model Name	Indoor unit (RAV-)			GE3601BP	GE4201BP	GE4801BP	GE6001BP
	Outdoor unit (RAV-)			GE3601A8P	GE4201A8P	GE4801A8P	GE6001A8P
Power supply (Outdoor unit)			3-phase 50Hz 380-415V / 3-phase 60Hz 380-400V				
Cooling capacity (Min-Rate-Max)			kW	4.0-10.6-11.2	4.0-12.3-13.2	4.0-14.1-15.9	4.0-17.8-18.5
Power consumption (Rate)			kW	3.40	3.67	4.70	5.93
EER				3.12	3.35	3.00	3.00
Indoor unit	Airflow (H/M+/M/L+/L)		m³/h	1440/1260/1180/1060/960	2100/1900/1650/1470/1260	2100/1900/1650/1470/1260	2200/2130/2040/1830/1760
	External static pressure	Factory setting	Pa	30	50	50	50
		Upper-Lower	Pa	120-30	120-30	120-30	120-30
	Sound pressure level (H/M+/M/L+/L)		dB(A)	43/42/41/40/38	44/43/42/41/39	44/43/42/41/39	45/44/43/42/40
	Dimensions (HxWxD)		mm	275x1000x750	275x1400x750	275x1400x750	275x1400x750
Weight		kg	30	40	40	40	
Outdoor unit	Compressor	Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
		Motor output	W	3000	3750	3750	3750
	Refrigerant charge (R32)		kg	1.2	1.4	1.4	1.5
	Sound pressure level		dB(A)	59	60	60	63
	Dimensions (HxWxD)		mm	890x900x320	890x900x320	890x900x320	1340x900x320
Weight		kg	59	61	61	83	
Piping connections	Liquid side		mm	9.5	9.5	9.5	9.5
	Gas side		mm	15.9	15.9	15.9	19.1
Max. pipe total length			m	50	50	50	50
Max. height difference			m	30	30	30	30
Operation range			°C	15 ~ 46	15 ~ 46	15 ~ 46	15 ~ 46

Note: The cooling capacities are measured under the conditions specified by JIS B 8615 based on the reference piping

Indoor air temperature 27.0°C DB / 19.0°C WB, outdoor air temperature 35.0°C DB

The sound level are measured in an anechoic chamber in accordance with JIS B 8616



Adaptability

Easy to install

Complete design flexibility

Aqua resin coated fins in Indoor unit

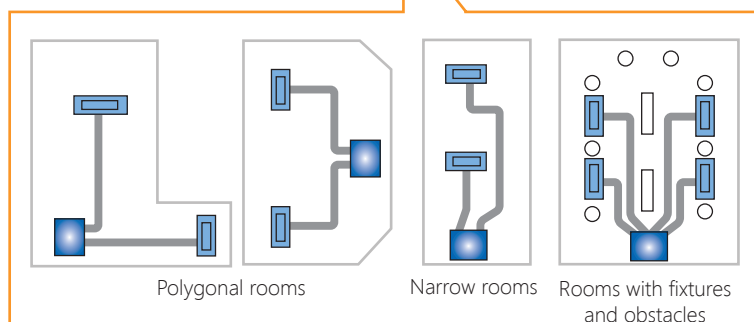
Adaptability

Flexible design, allows the inlet air configuration to be configured between the standard rear inlet design or as an alternative, from the underside of the unit. There is also a provision for a fresh air intake supply via a pre-punched knockout hole. Compact and thin chassis with measuring just 275mm. in height.

Easy to install

- Built-in high-lift drain pump.
- PC board panel easily accessible from the side of the unit.
- Optional air discharge spigot.

Flexible duct is accessible, Allows complete design flexibility



TCB-SF56C6BPE



TCB-SF80C6BPE



TCB-SF160C6BPE

Wireless & Wired remote controller

Wireless remote controller kit



TCB-ACX32E2**



RBC-AMT32E**



RBC-AMS55E-ES/EN**

**Available as an option.

Wired remote controller

Wired remote controller



RBC-AMS55E-EN
RBC-AMS55E-ES

- 7-day timer function.
- Multi-language available.
- Possibility to set and display the room name to easily set-up and monitor the working parameter.
- New modern and desirable controller design with menu driven display.
- Save mode by schedule timer to optimise energy consumption.
- Room temperature display always available.
- Two "Hot Keys" (F1, F2) for easy operation of air conditioner functions.
- Easy to read layout including display of indoor unit model name and serial number.
- Built-in backup power. Settings are kept in memory up to 72 hours in case of power failure.
- Remote TA sensor available in controller.
- Can be connected to a single indoor unit or a group of up to 8 indoor units.

Remote controller with weekly timer (7-day timer function)



RBC-AMS41E

- Clock display.
 - Schedule timer:
Possible to program schedule timer (7-day timer) function.
Possible to program 8 functions for each day of the week.
- *The following items can be set in program: Operation time, Operation start/stop, Operation mode, Temperature setting, Restriction on button operation.

Schedule timer



TCB-EXS21TLE

- Schedule timer mode:
- 6 programmings per day.
 - Enabling 8 groups to be programmed.
 - A maximum of 64 indoor units can be controlled.
 - A maximum of 100 hours back-up power supply.
- Weekly timer mode:
- 7 types of weekly schedule and 3 programmings per day.

Standard remote controller



RBC-AMT32E

Standard wired remote controller can be connected to a single indoor unit or a group of up to 8 indoor units. Power save operation limits the greatest current value. The remote controller allows error to be displayed while the protective device works or a error occurs.

Simple wired remote controller



RBC-AS41E

- Can be connected to a single indoor unit or a group of up to 8 indoor units.
- Start/Stop
 - Temperature setting
 - Air flow changing
 - Check code display

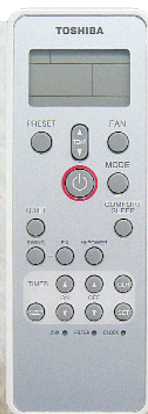
Wired remote controller (RBC-ASC11E)

NEW



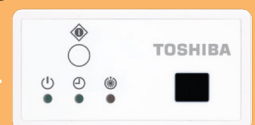
- Compact size H86mm x W86mm x D16mm
- Stylish design with big screen and backlight
- Time off
- Available by 0.5 °C

Wireless remote controller



- Start/Stop
- Changing mode
- Temperature setting
- Air flow changing
- Timer function Either "ON" time or "OFF" time or "CYCLIC" can be set how many 30 min. later ON or OFF is operated.
- Control by 2 remote controllers is available.
Two wireless remote controllers can operate one indoor unit. The indoor unit can then be operated separately from the two different locations.
- Check code display

Integral receiver
(For Ceiling type)
RBC-ACX33CE1



Stand alone receiver
TCB-ACX32E2
(For Standard duct type)



Installation and the use of refrigerants not specified by Toshiba Carrier Corporation

Toshiba refrigeration and air-conditioning units are designed and manufactured on the assumption that the product is used with a specific refrigerant suitable for each unit.

We have recently seen some cases where the type of refrigerant used is different from the one originally installed in the product. Such actions may cause mechanical defects, malfunctions, failures and in some cases result in a serious safety issue. Therefore do not install any refrigerant other than the one specified by Toshiba Carrier Corporation for its respective products.

The type of the refrigerant used for each of our products is shown in the accompanying owners manual, or on the product label attached on the product itself.

Toshiba Carrier Corporation shall not assume any liability for failures, malfunctions or safety in its products if the refrigerant used is different from the one specified.



SAFETY PRECAUTIONS

For operation:

- Before use, read through the operating instructions to ensure proper use.

Concerning the purpose for which the air conditioners are to be used

- The air conditioners presented in this catalogue are air conditioning/heating units to be used solely by general consumers.
 - Do not use these air conditioners for special applications such as for the storage of food items, animals, plants, precision machines or works of art. Doing so may degrade the quality of the items.
 - Do not use these air conditioners for air-conditioning applications in vehicles or ships. Doing so may cause water and/or power leakages.

Precautions for using air conditioners

Concerning the air conditioner's operating conditions and their selection

- (1) Avoid using the air conditioner in the following locations.

- Locations with acidic or alkaline atmospheres (locations at which highly acidic or alkaline air is directly drawn in, such as in hot springs areas from which sulfur gases are given off, or where chemicals, vinegar, exhaust air from burners, etc., are given off) The heat exchangers and other parts may become corroded.
- Locations with atmospheres filled with coolant or other machine oil or steam exhaust (such as at food preparation factories or machine plants). The heat exchangers may corrode; frost may form as a result of heat exchanger malfunction; air conditioner operating performance may be compromised or condensation may form as a result of clogged filters; plastic parts may incur damage; heat-insulation materials may become separated, etc.

- (2) Before using an air conditioner in any of the following locations, consult with your dealer or a qualified contractor.

- Locations where vapors from edible oils are given off (such as in bakeries or kitchens and restaurants that use edible oils) ...The air conditioner's operating performance may be compromised or condensation may form as a result of clogged filters, and the plastic parts may incur damage. In line with the prevailing conditions, take countermeasures such as tailoring the installation conditions in accordance with the conditions, using air conditioners designed for kitchens or oil guard filters, etc.
- Locations with disinfectant-induced chlorine atmospheres (water tanks, etc.) The metal parts in the heat exchangers, motors, etc., may become corroded.
- Locations with high salinity (coastal areas, etc.) Corrosion may occur so use outdoor units specifically designed to withstand exposure to salt.

- Locations where power is supplied from independent power generators. The power line frequency and/or voltage may fluctuate, possibly causing the air conditioner to malfunction.
- Locations where high frequencies or electrical noise is generated (from high-frequency welders used for vinyl welding and processing, high-frequency therapeutic devices used for thermotherapy, etc.) The electronic components may be adversely affected, possibly causing the air conditioner to malfunction.
- Locations where electronic equipment is installed. Electrical noise may adversely affect the operation of the electronic equipment.

- (3) Concerning use in locations with high ceilings

- In locations with high ceilings, use of circulators for improving the temperature distribution during heating is recommended.

- (4) Concerning use in high-humidity environments

- When the ceiling-recessed type of indoor unit is installed in a location, such as those described below, and it is very hot and humid inside the ceiling, condensation may form on the external surfaces of the indoor unit and drip down. In such cases, add external heat-insulating materials.
 - Locations such as food preparation sites in which the areas above the ceilings are hot and humid
 - Locations in which outside air is drawn in and routed above the ceiling
 - Above ceilings with a slate roof or tiled roof overhead

- (5) Even when an air conditioner is shut down, it will still consume a small amount of power to protect the unit. If the air conditioner will not be used for a prolonged period, turn OFF the main switch (ground fault circuit breaker). However, before the unit is to be used again, turn ON the main switch (ground fault circuit breaker) for at least 12 hours in order to prevent trouble.



Notice: - Products listed in this leaflet/catalogue use HFCR32 refrigerant with a GWP of 675*.

- Toshiba is committed to continuously improving its products to ensure the highest quality and reliability standards, and to meet local regulations and market requirements. All features and specifications are subject to change without prior notice.

*The GWP value is calculated based on information provided in the EU F gas Regulation and IPCC Fourth Assessment Report.

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