

INSPIRED **DIGITAL INVERTER TECHNOLOGIES**



TOSHIBA

 *Better Air Solutions*

THE WORLD IS TARGETING ZERO EMISSION

Today the process of cooling and heating buildings is not the only challenge. Global warming is an issue that affects us all and Toshiba Air Conditioning is ranking the decarbonization of buildings as a top priority. The Digital Inverter 2-Series benefits from our inspired R32 technologies, to help achieve this goal, whilst also preserving comfort and cost effectiveness.



Environmentally balanced strategies

In addition to all the benefits linked to the usage of the R32 refrigerant, Toshiba Air Conditioning has relocated Digital Inverter best seller solutions in Europe to gain production agility and further decrease carbon footprint.



Gniezno factory, Poland

The right choice to make for the benefit of all

Environmentally oriented refrigerant, top-class efficiencies and much more to the benefit of all.



Owner & user

Create comfortable atmospheres for workers and consumers. Experience high energy efficiency levels for true energy savings.



Installer

Maximize project coverage and save time during the installation, commissioning and maintenance phases.



Our planet

Always consider the impact. Go further than just products, create safe low GWP (global warming potential) is a basics into HVAC world solutions to respect the planet.

THE INSTALLER-FRIENDLY DIGITAL INVERTER

A wide range of models from 1 to 6HP 1-phase & from 4 to 6HP 3-phase

A++/A++⁽¹⁾ energy efficiency*

Compact one-fan chassis for all sizes

Lightweight to facilitate handling

8 types of indoor units and 103 combinations for extended project coverage

*A++/A+ for high wall, slim duct, standard duct & floor standing units.
(1) The energy efficiency class range of this product category is from D to A++.



Your best ally

Enhanced efficiency with Toshiba Twin Rotary compressor



Low noise

Low vibrations

Wide operating range

Push boundaries with Digital Inverter

Every field has its own requirements and specifics, rely on the comprehensive Toshiba Air Conditioning solutions wherever you are.



Restaurants & bars

Heat and cool up to 170m² with only one system.



Retail

More than 103 combinations to suit most expectations.



Individual housing

A fully integrated duct range for preserved premises aesthetics.



Healthcare (reception zone)

Advanced air filtration solution on 4-way cassette, 1-way cassette and high wall.



Offices & Administration

Generate comfort to reinvigorate spaces and encourage productivity.



Data centers

Match project requirements with dedicated functionalities (backup & free cooling).

Enhance your digital inverter experience

Enjoy new forward-thinking technologies for greater thermal and acoustic comfort. Experience true savings with a new way to optimize the system load. And save time at commissioning and maintenance thanks to embedded operation check functions.



Draft Prevention Control

Maximise comfort for even air temperature



Fan Stop

Maximise user comfort during defrost cycles



Defrost Shift

Preserve comfort with alternative defrost in multiple systems configuration



Rotation / Backup Operation

Ensure continuous air conditioning operation



3-Step Night Mode

Adapt the outdoor unit sound level to neighborhood constraints



Free Cooling

Reduce air conditioning load and save energy



Power Shift

Share load in multiple systems configuration



Pressure Estimation at run test & Refrigerant Leak Check

Checking the operating status of the system



Duct Filter Check Function

For healthier indoor air quality



OUTDOOR UNITS

RAV-GM_2ATP-E & RAV-GM_2ATW(8)-E

R32 DIGITAL INVERTER 2-SERIES



- One-fan compact chassis easy to handle and install.
- A++* efficiency level with Twin Rotary compressor.
- Upto 50m piping length and 30m height difference for maximised project coverage.
- Less than 2.4kg of R32 refrigerant precharge to help optimise carbon footprint.
- Toshiba noise reduction function for your neighborhood comfort. Accessible through the RBC-AMSU52-ERemote controller or by using the application control kit.

LINEUP

↑
1 > 6HP

OPERATING RANGE

↑
-15 > 46°C
-15 > 15°C

SOUND PRESSURE LEVEL

↑
46 < 57dB(A)

CONTROL

TCB-PCOS1E2 – Application control kit for 3-step night mode (2 to 6HP)

(*) The energy efficiency class range of this product category is from D to A+++.

PHYSICAL DATA OUTDOOR - SINGLE-PHASE

Outdoor unit			RAV-GM302ATP-E	RAV-GM402ATP-E	RAV-GM562ATP-E	RAV-GM802ATW-E	RAV-GM902ATW-E	RAV-GM1102ATW-E	RAV-GM1402ATW-E	RAV-GM1602ATW-E
			1 HP	1.5 HP	2 HP	3 HP	3.5 HP	4 HP	5 HP	6 HP
Airflow	m³/h - l/s		1800 - 500	2200 - 611	2400 - 667	2808 - 780	2808 - 780	4950 - 1375	4950 - 1375	4950 - 1375
Sound pressure level	dB(A) C		46	49	46	50	52	53	56	57
Sound power level	dB(A) C		61	64	63	68	68	70	73	74
Operating range	°C C		-15 / 46	-15 / 46	-15 / 46	-15 / 46	-15 / 46	-15 / 46	-15 / 46	-15 / 46
Sound pressure level	dB(A) H		47	50	48	52	55	56	56	56
Sound power level	dB(A) H		62	65	65	71	71	73	74	74
Operating range	°C H		-15 / 15	-15 / 15	-15 / 15	-15 / 15	-15 / 15	-15 / 15	-15 / 15	-15 / 15
Dimensions (HxWxD)	mm		550x780x290	550x780x290	550x780x290	630x799x299	630x799x299	1050x1010x370	1050x1010x370	1050x1010x370
Weight	kg		29	34	40	47	47	85	85	88
Compressor type			DC Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary
Flare connections	Gas	in	3/8	1/2	1/2	5/8	5/8	5/8	5/8	5/8
	Liquid	in	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8
Pipelength (Min/Max)	m		2/20	2/20	5/30	5/50	5/50	5/50	5/50	5/50
Maximum height difference	m		10	10	30	30	30	30	30	30
Chargeless pipelength	m		15	15	20	20	20	30	30	30
Refrigerant	Type/kg/TeqCO ₂		R32 / 0.6 / 0.4	R32 / 0.9 / 0.6	R32 / 0.9 / 0.6	R32 / 1.9 / 1.28	R32 / 1.9 / 1.28	R32 / 2.4 / 1.62	R32 / 2.4 / 1.62	R32 / 2.4 / 1.62
Power supply	V-ph-Hz		220/240-1-50							

PHYSICAL DATA OUTDOOR - THREE-PHASE

Outdoor unit			RAV-GM1102AT8W-E	RAV-GM1402AT8W-E	RAV-GM1602AT8W-E
			4 HP	5 HP	6 HP
Airflow	m³/h - l/s		4950 - 1375	4950 - 1375	4950 - 1375
Sound pressure level	dB(A) C		53	56	57
Sound power level	dB(A) C		70	73	74
Operating range	°C C		-15 / 46	-15 / 46	-15 / 46
Sound pressure level	dB(A) H		56	56	56
Sound power level	dB(A) H		73	74	74
Operating range	°C H		-15 / 15	-15 / 15	-15 / 15
Dimensions (HxWxD)	mm		1050x1010x370	1050x1010x370	1050x1010x370
Weight	kg		85	85	85
Compressor type			DC Twin Rotary	DC Twin Rotary	DC Twin Rotary
Flare connections	Gas	in	5/8	5/8	5/8
	Liquid	in	3/8	3/8	3/8
Pipelength (Min/Max)	m		5/50	5/50	5/50
Maximum height difference	m		30	30	30
Chargeless pipelength	m		30	30	30
Refrigerant	Type/kg/TeqCO ₂		R32 / 2.4 / 1.62	R32 / 2.4 / 1.62	R32 / 2.4 / 1.62
Power supply	V-ph-Hz		380/415-3-50		

C= cooling mode
H= heating mode

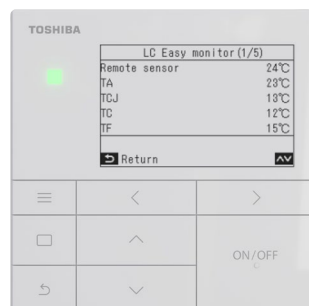
Sound pressure level measurement: 1 point measurement at 1.5m height / 1m length from outdoor unit in anechoic chamber.
Cooling conditions: 35°CDB/24°CWB outdoor - 27°CDB/19°CWD indoor
Heating conditions: 7°CDB/6°CWB outdoor - 20°CDB indoor



Your best ally

Installer-friendly setup & monitoring

In addition to the high efficiency, flexibility and reliability of Digital Inverter, discover further added value functionalities for commissioning and maintenance:



Easy I.DN setting

For time saving commissioning, benefit from a specific menu called "Easy DN Setting" to rapidly set up 12 system parameters.

LC Easy monitor

Another dedicated menu is available to check temperature sensor values, compressor and fan rotation speed as well as operating hours.

RAV-HM_1UTP-E

STANDARD 4-WAY CASSETTE



- **A compact and lightweight** unit easy to handle.
- **Self-cleaning** function and built-in high-lift drain pump to maximize reliability.
- **Customizable Airflow** management for high comfort levels.
- **Multiple louver position** settings and advanced air filtration possibilities.
- **Optional occupancy sensor** for intelligent presence detection and energy savings.
- **Advanced air filtration** solutions (as an option) to help create healthy working spaces.
- **Embedded drain pump** for enhanced system reliability and simplified installation.

LINEUP

2 > 6HP

EFFICIENCY

A++/A++*

SOUND PRESSURE LEVEL

28 < 45dB(A)

RAV-HM_1MUT-E

COMPACT 4-WAY CASSETTES



- **Compact and lightweight** unit easy to handle.
- **600x600** chassis dimension to fit within the T-bar of grid ceiling.
- **Comfort-oriented** solution with customisable louvers position and 5-speed Airflow.
- **Optional occupancy sensor** for intelligent presence detection and energy savings.
- **Embedded drain pump** for enhanced system reliability and simplified installation.

LINEUP

1 > 2HP

EFFICIENCY

A++/A++*

SOUND PRESSURE LEVEL

30 < 44dB(A)

PERFORMANCE DATA WITH DIGITAL INVERTER 2-SERIES

Outdoor unit		RAV-GM562ATP-E	RAV-GM802ATW-E	RAV-GM902ATW-E	RAV-GM1102ATW-E	RAV-GM1102AT8W-E	RAV-GM1402ATW-E	RAV-GM1402AT8W-E	RAV-GM1602ATW-E	RAV-GM1602AT8W-E
Indoor unit (4-way cassette)		RAV-HM561UTP-E	RAV-HM801UTP-E	RAV-HM901UTP-E	RAV-HM1101UTP-E	RAV-HM1101UTP-E	RAV-HM1401UTP-E	RAV-HM1401UTP-E	RAV-HM1601UTP-E	RAV-HM1601UTP-E
Cooling capacity	kW	5.0	6.7	8.0	9.5	9.5	12.1	12.1	14.0	14.0
Cooling range (min. - max.)	kW	1.5 - 5.6	1.9 - 8.0	1.9 - 8.8	3.0 - 11.2	3.0 - 11.2	3.0 - 13.2	3.0 - 13.2	3.0 - 15.0	3.0 - 15.0
Power input (min. - rated - max.)	kW	C 0.26 - 1.56 - 1.86	0.29 - 1.9 - 2.59	0.29 - 2.29 - 2.88	0.52 - 2.57 - 3.11	0.56 - 2.52 - 3.07	0.52 - 3.88 - 4.23	0.56 - 3.81 - 4.19	0.52 - 5.05 - 6.00	0.56 - 4.92 - 5.90
EER	W/W	3.21	3.52	3.50	3.70	3.76	3.12	3.17	2.77	2.84
SEER		6.84	7.50	7.50	7.50	7.15	7.30	6.91	6.60	6.53
Energy efficiency class	C	A++**	A++**	A++**	A++**	A++**	-	-	-	-
Seasonal electricity consumption	kWh/a	C 256	313	373	443	465	994	1050	1272	1286
Heating capacity	kW	5.3	7.7	8.6	11.2	11.2	13.0	13.0	16.0	16.0
Heating range (min. - max.)	kW	1.5 - 6.3	1.6 - 9.0	1.6 - 9.9	3.0 - 13.0	3.0 - 13.0	3.0 - 16.0	3.0 - 16.0	3.0 - 17.0	3.0 - 18.0
Power input (min. - rated - max.)	kW	H 0.26 - 1.36 - 2.08	0.27 - 1.99 - 2.66	0.27 - 2.09 - 2.68	0.67 - 2.86 - 3.39	0.71 - 2.82 - 3.35	0.67 - 3.43 - 4.55	0.71 - 3.39 - 4.51	0.67 - 4.72 - 5.47	0.71 - 4.65 - 6.71
COP	W/W	3.90	3.87	4.12	3.92	3.97	3.79	3.83	3.39	3.44
SCOP		4.62	4.60	4.60	4.40	4.29	4.40	4.30	4.40	4.38
Energy efficiency class	H	A++**	A++**	A++**	A+**	A+**	-	-	-	-
Seasonal electricity consumption	kWh/a	H 848	1552	1917	2544	2609	2544	2603	2542	2554

PHYSICAL DATA INDOOR

Indoor unit		RAV-HM561UTP-E	RAV-HM801UTP-E	RAV-HM901UTP-E	RAV-HM1101UTP-E	RAV-HM1401UTP-E	RAV-HM1601UTP-E
Airflow (H/L)	m³/h - l/s	1050/780 - 292/217	1230/810 - 342/225	1600/900 - 444/250	2010/1170 - 558/325	2100/1230 - 583/342	2130/1260 - 592/350
Sound pressure level (H-M-L)	dB(A)	32-29-28	35-31-28	40-36-33	43-38-33	44-38-34	45-40-36
Sound power level (H-M-L)	dB(A)	47-44-43	50-46-43	55-51-48	58-53-48	59-53-49	60-55-51
Dimensions (HxWxD)	mm	256x840x840	256x840x840	319x840x840	319x840x840	319x840x840	319x840x840
Weight	kg	20	20	24	24	24	24
Panel		RBC-U33P-E (white), RBC-U33PB-E (black) & RBC-U32PGP-E					
Panel dimensions (HxWxD)	mm	30x950x950	30x950x950	30x950x950	30x950x950	30x950x950	30x950x950
Panel weight	kg	4.0	4.0	4.0	4.0	4.0	4.0

C= cooling mode
H= heating mode
(**) The energy efficiency class range of this product category is from D to A++.

Sound pressure level measurement: 1 point measurement at 1.5m height / 1m length from outdoor unit in anechoic chamber.
Cooling conditions: 35°CDB/24°CWB outdoor - 27°CDB/19°CWD indoor
Heating conditions: 7°CDB/6°CWB outdoor - 20°CDB indoor
(*) 4HP: A+ in heating

PERFORMANCE DATA WITH DIGITAL INVERTER 2-SERIES

Outdoor unit		RAV-GM302ATP-E	RAV-GM402ATP-E	RAV-GM562ATP-E
Indoor unit (4-way compact cassette)		RAV-HM301MUT-E	RAV-HM401MUT-E	RAV-HM561MUT-E
Cooling capacity	kW	2.5	3.6	5.0
Cooling range (min. - max.)	kW	0.9 - 3.0	0.9 - 4.0	1.5 - 5.6
Power input (min. - rated - max.)	kW	C 0.18 - 0.59 - 0.82	0.18 - 0.90 - 2.00	0.30 - 1.64 - 1.86
EER	W/W	4.24	4.00	3.05
SEER		6.86	6.70	6.19
Energy efficiency class	C	A++**	A++**	A++**
Seasonal electricity consumption	kWh/a	C 128	188	283
Heating capacity	kW	3.4	4.0	5.3
Heating range (min. - max.)	kW	0.8 - 4.5	0.8 - 5.0	1.5 - 6.3
Power input (min. - rated - max.)	kW	H 0.17 - 0.76 - 1.40	0.14 - 0.95 - 1.70	0.30 - 1.47 - 2.40
COP	W/W	4.47	4.21	3.61
SCOP		4.73	4.46	4.40
Energy efficiency class	H	A++**	A+**	A+**
Seasonal electricity consumption	kWh/a	H 681	848	891

PHYSICAL DATA INDOOR

Indoor unit		RAV-HM301MUT-E	RAV-HM401MUT-E	RAV-HM561MUT-E
Airflow (H/L)	m³/h - l/s	640/440 - 177/122	660/468 - 183/130	798/546 - 221/152
Sound pressure level (H-M-L)	dB(A)	38-36-30	41-36-32	44-39-35
Sound power level (H-M-L)	dB(A)	53-51-45	56-51-47	59-54-50
Dimensions (HxWxD)	mm	256x575x575	256x575x575	256x575x575
Weight	kg	15	15	15
Panel		RBC-UM21PG(W)-E		
Panel dimensions (HxWxD)	mm	12x620x620	12x620x620	12x620x620
Panel weight	kg	2.5	2.5	2.5

C= cooling mode
H= heating mode
H-M-L= High - Medium - Low speed
(**) The energy efficiency class range of this product category is from D to A++.

Sound pressure level measurement: 1 point measurement at 1.5m height / 1m length from outdoor unit in anechoic chamber.
Cooling conditions: 35°CDB/24°CWB outdoor - 27°CDB/19°CWD indoor
Heating conditions: 7°CDB/6°CWB outdoor - 20°CDB indoor
*1.5 & 2HP: A+ in heating

RAV-HM_1U1TP-E

1-WAY CASSETTE



- Only 150mm in height is needed to install the 1-way cassette in limited ceiling spaces.
- Optional occupancy sensor for intelligent presence detection and energy savings.
- Advanced air filtration solutions available as an option to help create healthy working spaces.
- Embedded drain pump for enhanced system reliability and simplified installation.

LINEUP

1 & 1.5HP

EFFICIENCY

A++/A++*

SOUND PRESSURE LEVEL

30 < 40dB(A)

PERFORMANCE DATA WITH DIGITAL INVERTER 2-SERIES

Outdoor unit		RAV-GM302ATP-E		RAV-GM402ATP-E	
Indoor unit (1-way cassette)		RAV-HM301U1TP-E		RAV-HM401U1TP-E	
Cooling capacity	kW	2.50		3.60	
Cooling range (min. - max.)	kW	0.90 - 3.00		0.90 - 4.00	
Power input (min. - rated - max.)	kW C	0.19 - 0.69 - 0.92		0.23 - 1.13 - 1.40	
EER	W/W	3.62		3.19	
SEER		6.20		6.00	
Energy efficiency class	C	A++**		A+**	
Seasonal electricity consumption	kWh/a C	141		210	
Heating capacity	kW	3.40		4.00	
Heating range (min. - max.)	kW	0.80 - 4.50		0.80 - 5.00	
Power input (min. - rated - max.)	kW H	0.16 - 1.03 - 1.50		0.18 - 1.32 - 2.00	
COP	W/W	3.30		3.03	
SCOP		4.10		4.00	
Energy efficiency class	H	A++**		A+**	
Seasonal electricity consumption	kWh/a H	888		945	

PHYSICAL DATA INDOOR

Indoor unit		RAV-HM561UTP-E		RAV-HM561UTP-E	
Airflow (H/L)	m³/h - l/s	520/310 - 291/217		540/290 - 341/225	
Sound pressure level (H-M-L)	dB(A)	39-35-30		40-36-30	
Sound power level (H-M-L)	dB(A)	54-49-45		55-51-45	
Dimensions (HxWxD)	mm	150x990x450		150x990x450	
Weight	kg	13		13	
Panel		RBC-UY32P-E			
Panel dimensions (HxWxD)	mm	30x1220x530		30x1220x530	
Panel weight	kg	4.0		4.0	

C= cooling mode
H= heating mode
(**) The energy efficiency class range of this product category is from D to A+++.

Sound pressure level measurement: 1 point measurement at 1.5m height / 1m length from outdoor unit in anechoic chamber.
Cooling conditions: 35°CDB/24°CWB outdoor - 27°CDB/19°CWD indoor
Heating conditions: 7°CDB/6°CWB outdoor - 20°CDB indoor
(*) 1.5HP: A+ in heating

RAV-HM_1SDTY-E

SUPER SLIM DUCT



- A 210mm height and 450mm depth compact chassis whatever the capacity.
- Static pressure up to 50Pa set directly on the duct or by using a wired remote controller.
- Noise level down to 26dB(A) for quiet operation.
- Embedded drain pump for enhanced system reliability and simplified installation.

LINEUP

1 > 3HP

EFFICIENCY

A++/A+*

SOUND PRESSURE LEVEL

26 < 37dB(A)

PERFORMANCE DATA WITH DIGITAL INVERTER 2-SERIES

Outdoor unit		RAV-GM302ATP-E		RAV-GM402ATP-E		RAV-GM562ATP-E		RAV-GM802ATW-E	
Indoor unit (Slim duct)		RAV-HM301SDTY-E		RAV-HM401SDTY-E		RAV-HM561SDTY-E		RAV-HM801SDTY-E	
Cooling capacity	kW	2.5		3.6		5.0		6.7	
Cooling range (min. - max.)	kW	0.9 - 3.0		0.9 - 4.0		1.5 - 5.6		1.9 - 8.0	
Power input (min. - rated - max.)	kW C	0.19 - 0.56 - 0.92		0.18 - 0.93 - 2.00		0.28 - 1.86 - 2.05		0.33 - 2.16 - 2.77	
EER	W/W	4.46		3.87		2.69		3.10	
SEER		6.41		6.03		5.80		5.63	
Energy efficiency class	C	A++**		A+**		A+**		A+**	
Seasonal electricity consumption	kWh/a C	136		209		302		416	
Heating capacity	kW	3.4		4.0		5.3		7.7	
Heating range (min. - max.)	kW	0.8 - 4.5		0.8 - 5.0		1.5 - 6.3		1.6 - 9.0	
Power input (min. - rated - max.)	kW H	0.17 - 0.86 - 1.40		0.17 - 0.97 - 1.70		0.22 - 1.50 - 2.40		0.31 - 2.24 - 2.66	
COP	W/W	3.95		4.12		3.53		3.44	
SCOP		4.35		4.00		4.00		4.00	
Energy efficiency class	H	A+**		A+**		A+**		A+**	
Seasonal electricity consumption	kWh/a H	837		943		980		1783	

PHYSICAL DATA INDOOR

Indoor unit		RAV-HM301SDTY-E		RAV-HM401SDTY-E		RAV-HM561SDTY-E		RAV-HM801SDTY-E	
Airflow (H/L)	m³/h - l/s	570/420		600/440		780/650		1140/910	
Sound pressure level (H-M-L)**	dB(A)	32-29-26		33-30-27		34-32-29		37-34-32	
Sound power level (H-M-L)	dB(A)	54-50-46		54-50-46		56-54-51		61-58-55	
Dimensions (HxWxD)	mm	210x700x450		210x700x450		210x900x450		210x1100x450	
Weight	kg	15		15		19		22	
External static pressure standard (Upper-Lower)	Pa	50-10		50-10		50-10		50-10	

C= cooling mode
H= heating mode
(**) The energy efficiency class range of this product category is from D to A+++.
(***) bottom air inlet

Sound pressure level measurement: 1 point measurement at 1.5m height / 1m length from outdoor unit in anechoic chamber.
Cooling conditions: 35°CDB/24°CWB outdoor - 27°CDB/19°CWD indoor
Heating conditions: 7°CDB/6°CWB outdoor - 20°CDB indoor
(*) 1.5 to 3HP: A+ in cooling

RAV-HM_1BTP-E

STANDARD DUCT



- **Upto 150Pa** available pressure thanks to the DC fan motor.
- **Flexible design** with rear or underside inlet design.
- **Noise level down to 25dB(A)** for quiet operations.
- **Filter check function** to determine if the filter needs to be cleaned.
- **Embedded drain pump** for enhanced system reliability and simplified installation.
- **Spigots available** as an option for quick duct network connection.

LINEUP

2 > 6HP

EFFICIENCY

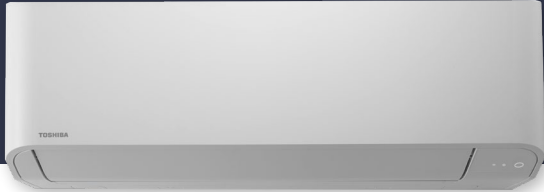
A++/A+*

SOUND PRESSURE LEVEL

25 < 40dB(A)

RAV-HM_1KRTP-E

HIGH WALL



- **Auto louvre mode** for optimum and uniform air distribution.
- **Wireless remote control** with accessible pre-set functions and dedicated buttons: Hi-Power, Quiet and Comfort Sleep.
- **Self-cleaning feature** to prevent the formation of mould on the heat exchanger coils.
- **The Toshiba Ultra Pure filter** (as an option) captures up to 94% of PM2.5, creating healthy working spaces.⁽¹⁾

LINEUP

1 > 4HP

EFFICIENCY

A++/A+*

SOUND PRESSURE LEVEL

29 < 49dB(A)

PERFORMANCE DATA WITH DIGITAL INVERTER 2-SERIES

Outdoor unit		RAV-GM562ATP-E	RAV-GM802ATW-E	RAV-GM902ATW-E	RAV-GM1102ATW-E	RAV-GM1102AT8W-E	RAV-GM1402ATW-E	RAV-GM1402AT8W-E	RAV-GM1602ATW-E	RAV-GM1602AT8W-E
Indoor unit (Standard duct)		RAV-HM561BTP-E	RAV-HM801BTP-E	RAV-HM901BTP-E	RAV-HM1101BTP-E	RAV-HM1101BTP-E	RAV-HM1401BTP-E	RAV-HM1401BTP-E	RAV-HM1601BTP-E	RAV-HM1601BTP-E
Cooling capacity	kW	5.0	6.7	8.0	9.5	9.5	12.1	12.1	14.0	14.0
Cooling range (min. - max.)	kW	1.5 - 5.6	1.9 - 8.0	1.9 - 8.8	3.0 - 11.2	3.0 - 11.2	3.0 - 13.2	3.0 - 13.2	3.0 - 15.0	3.0 - 15.0
Power input (min. - rated - max.)	kW	C 0.31 - 1.83 - 2.05	0.33 - 2.02 - 2.77	0.33 - 2.39 - 2.97	0.64 - 2.60 - 3.21	0.68 - 2.56 - 3.17	0.64 - 4.01 - 4.52	0.68 - 3.94 - 4.48	0.64 - 5.26 - 6.00	0.68 - 5.14 - 5.90
EER	W/W	2.73	3.32	3.35	3.65	3.71	3.02	3.07	2.66	2.72
SEER		5.80	6.37	6.75	6.40	6.00	6.15	5.87	5.90	5.80
Energy efficiency class	C	A+**	A++**	A++**	A++**	A+**	-	-	-	-
Seasonal electricity consumption	kWh/a	C 302	368	415	519	554	1180	1236	1423	1448
Heating capacity	kW	5.3	7.7	8.6	11.2	11.2	13.0	13.0	16.0	16.0
Heating range (min. - max.)	kW	1.5 - 6.3	1.6 - 9.0	1.6 - 9.9	3.0 - 13.0	3.0 - 13.0	3.0 - 16.0	3.0 - 16.0	3.0 - 17.0	3.0 - 18.0
Power input (min. - rated - max.)	kW	H 0.31 - 1.62 - 2.47	0.31 - 2.04 - 2.66	0.31 - 2.15 - 2.67	0.74 - 2.91 - 3.42	0.78 - 2.87 - 3.38	0.74 - 3.55 - 4.62	0.78 - 3.50 - 4.58	0.74 - 4.73 - 5.64	0.78 - 4.66 - 6.92
COP	W/W	3.27	3.77	4.00	3.85	3.90	3.66	3.71	3.38	3.43
SCOP		4.11	4.30	4.30	4.00	3.92	3.92	3.84	4.05	3.96
Energy efficiency class	H	A+**	A+**	A+**	A+**	A**	-	-	-	-
Seasonal electricity consumption	kWh/a	H 954	1660	2050	2937	2999	2998	3061	2901	2966

PHYSICAL DATA INDOOR

Indoor unit		RAV-HM561BTP-E	RAV-HM801BTP-E	RAV-HM901BTP-E	RAV-HM1101BTP-E	RAV-HM1401BTP-E	RAV-HM1601BTP-E
Airflow (H/L)	m³/h - l/s	800/480 - 222/133	1200/750 - 333/208	1700/1000 - 472/278	2100/1260 - 583/350	2100/1260 - 583/350	2100/1260 - 583/350
Sound pressure level (H-M-L)***	dB(A)	33-29-25	34-30-26	37-33-30	40-36-33	40-36-33	40-36-33
Sound power level (H-M-L)****	dB(A)	55-51-46	55-51-46	60-55-51	63-58-54	63-58-54	63-58-54
Dimensions (HxWxD)	mm	275x700x750	275x1000x750	275x1400x750	275x1400x750	275x1400x750	275x1400x750
Weight	kg	23	31	41	41	41	41
External static pressure (stand/upper limit)	Pa	30/150	30/150	40/150	40/150	50/150	50/150

C = cooling mode
H = heating mode
(**) The energy efficiency class range of this product category is from D to A++.
(***) bottom air inlet
(****) back air inlet

Sound pressure level measurement: 1 point measurement at 1.5m height / 1m length from outdoor unit in anechoic chamber.
Cooling conditions: 35°CDB/24°CWB outdoor - 27°CDB/19°CWD indoor
Heating conditions: 7°CDB/6°CWB outdoor - 20°CDB indoor
(*) 4HP 3-Ph: A+ in cooling & A in heating - 2HP: A+ in both cooling & heating

PERFORMANCE DATA WITH DIGITAL INVERTER 2-SERIES

Outdoor unit		RAV-GM302ATP-E	RAV-GM402ATP-E	RAV-GM562ATP-E	RAV-GM802ATW-E	RAV-GM902ATW-E	RAV-GM1102ATW-E	RAV-GM1102AT8W-E
Indoor unit (High-wall)		RAV-HM301KRTP-E	RAV-HM401KRTP-E	RAV-HM561KRTP-E	RAV-HM801KRTP-E	RAV-HM901KRTP-E	RAV-HM1101KRTP-E	RAV-HM1101KRTP-E
Cooling capacity	kW	2.5	3.6	5.0	6.7	8.0	9.5	9.5
Cooling range (min. - max.)	kW	0.9 - 3.0	0.9 - 4.0	1.5 - 5.6	1.9 - 8.0	1.9 - 8.8	3.0 - 11.2	3.0 - 11.2
Power input (min. - rated - max.)	kW	C 0.17 - 0.61 - 0.86	0.18 - 1.13 - 2.00	0.30 - 1.66 - 1.86	0.31 - 2.06 - 2.86	0.31 - 2.67 - 3.16	0.63 - 2.96 - 3.95	0.67 - 2.95 - 3.91
EER	W/W	4.10	3.19	3.01	3.25	3.00	3.21	3.22
SEER		7.00	6.70	6.69	6.60	6.60	6.40	6.10
Energy efficiency class	C	A++*	A++*	A++*	A++*	A++*	A++*	A++*
Seasonal electricity consumption	kWh/a	C 125	188	262	355	424	519	545
Heating capacity	kW	3.4	4.0	5.3	7.7	8.6	11.2	11.2
Heating range (min. - max.)	kW	0.8 - 4.5	0.8 - 5.0	1.5 - 6.3	1.6 - 9.0	1.6 - 9.9	3.0 - 13.0	3.0 - 13.0
Power input (min. - rated - max.)	kW	H 0.17 - 0.85-1.40	0.14 - 1.12 - 1.70	0.30 - 1.55 - 2.40	0.38 - 2.30 - 3.04	0.38 - 2.61 - 3.27	0.73 - 3.44 - 4.33	0.77 - 3.38 - 4.29
COP	W/W	4.00	3.57	3.42	3.35	3.30	3.26	3.31
SCOP		4.12	4.24	4.02	4.05	4.10	4.20	4.20
Energy efficiency class	H	A+*	A+*	A+*	A+*	A+*	A+*	A+*
Seasonal electricity consumption	kWh/a	H 884	892	975	1762	2150	2665	2666

PHYSICAL DATA INDOOR

Indoor unit		RAV-HM301KRTP-E	RAV-HM401KRTP-E	RAV-HM561KRTP-E	RAV-HM801KRTP-E	RAV-HM901KRTP-E	RAV-HM1101KRTP-E
Airflow (H/L)	m³/h - l/s	670/450 - 186/125	700/450 - 194/125	960/680 - 267/189	1040/680 - 289/189	1180/ 680 - 328/189	1610/1180 - 447/328
Sound pressure level (H-M-L)	dB(A)	40-34-29	41-36-30	42-39-35	45-41-35	47-41-35	49-45-41
Sound power level (H-M-L)	dB(A)	55-49-44	56-51-45	57-54-50	60-56-50	62-56-50	64-60-56
Dimensions (HxWxD)	mm	293x798x230	293x798x230	320x1050x250	320x1050x250	320x1050x250	348x1200x280
Weight	kg	10	10	14	14	14	19

C= cooling mode
H= heating mode
⁽¹⁾Nantong deli purification equipment factory Co, Ltd
(*) The energy efficiency class range of this product category is from D to A+++.

Sound pressure level measurement: 1 point measurement at 1.5m height / 1m length from outdoor unit in anechoic chamber.
Cooling conditions: 35°CDB/24°CWB outdoor - 27°CDB/19°CWD indoor
Heating conditions: 7°CDB/6°CWB outdoor - 20°CDB indoor

RAV-HM_1CTP-E
CEILING



- Automatic louvre control for year-round comfort and efficiency.
- High diameter fan and DC motor for low sound levels.
- Self-cleaning function to keep the Airflow constant and fresh for reduced service frequency.

LINEUP

1.5 > 6HP

EFFICIENCY

A++/A++*

SOUND PRESSURE LEVEL

28 < 46dB(A)

PERFORMANCE DATA WITH DIGITAL INVERTER 2-SERIES

Outdoor unit		RAV-GM402ATP-E	RAV-GM562ATP-E	RAV-GM802ATW-E	RAV-GM902ATW-E	RAV-GM1102ATW-E	RAV-GM1102AT8W-E	RAV-GM1402ATW-E	RAV-GM1402AT8W-E	RAV-GM1602ATW-E	RAV-GM1602AT8W-E
Indoor unit (Ceiling)		RAV-HM401CTP-E	RAV-HM561CTP-E	RAV-HM801CTP-E	RAV-HM901CTP-E	RAV-HM1101CTP-E	RAV-HM1101CTP-E	RAV-HM1401CTP-E	RAV-HM1401CTP-E	RAV-HM1601CTP-E	RAV-HM1601CTP-E
Coolingcapacity	kW	3.6	5.0	6.9	8.0	9.5	9.5	12.1	12.1	14.0	14.0
Coolingrange (min. - max.)	kW	0.9 - 4.0	1.5 - 5.6	1.9 - 8.0	1.9 - 8.8	3.0 - 11.2	3.0 - 11.2	3.0 - 13.2	3.0 - 13.2	3.0 - 15.0	3.0 - 15.0
Power input (min. - rated - max.)	kW	C 0.18 - 0.83 - 2.00	0.29 - 1.61 - 1.95	0.30 - 2.06 - 2.66	0.30 - 2.38 - 2.75	0.58 - 2.59 - 3.29	0.62 - 2.55 - 3.25	0.58 - 4.01 - 4.39	0.62 - 3.94 - 4.35	0.58 - 5.04 - 6.12	0.62 - 4.94 - 6.02
EER	W/W	4.34	3.11	3.35	3.36	3.67	3.72	3.02	3.07	2.78	2.83
SEER		7.2	6.00	7.03	7.03	7.00	6.46	6.16	5.87	6.25	6.12
Energyefficiency class	C	A++**	A+**	A+++*	A+++*	A+++*	A+++*	-	-	-	-
Seasonalelectricity consumption	kWh/a	C 175	291	343	398	475	514	1178	1236	1344	1372
Heatingcapacity	kW	4.0	5.3	7.7	8.6	11.2	11.2	13.0	13.0	16.0	16.0
Heatingrange (min. - max.)	kW	0.8 - 5.0	1.5 - 6.3	1.6 - 9.0	1.6 - 9.9	3.0 - 13.0	3.0 - 13.0	3.0 - 16.0	3.0 - 16.0	3.0 - 17.0	3.0 - 18.0
Power input (min. - rated - max.)	kW	H 0.14 - 0.78 - 1.70	0.29 - 1.36 - 2.40	0.29 - 1.99 - 2.57	0.29 - 2.15 - 2.62	0.66 - 2.86 - 3.49	0.70 - 2.83 - 3.45	0.66 - 3.48 - 4.61	0.70 - 3.43 - 4.57	0.66 - 4.75 - 5.78	0.70 - 4.68 - 7.09
COP	W/W	5.13	3.90	3.87	4.00	3.91	3.95	3.74	3.79	3.37	3.41
SCOP		5.13	4.34	4.48	4.60	4.30	4.29	4.28	4.20	4.30	4.22
Energyefficiency class	H	A++++*	A+**	A+**	A+++*	A+**	A+**	-	-	-	-
Seasonalelectricity consumption	kWh/a	H 736	904	1593	1916	2603	2609	2615	2665	2603	2652

PHYSICAL DATA INDOOR

Indoor unit		RAV-HM401CTP-E	RAV-HM561CTP-E	RAV-HM801CTP-E	RAV-HM901CTP-E	RAV-HM1101CTP-E	RAV-HM1401CTP-E	RAV-HM1601CTP-E
Airflow (H/L)	m³/h - l/s	900/540 - 250/150	900/540 - 250/150	1410/750 - 392/208	1600/900 - 444/250	1860/1020 - 517/283	2040/1200 - 567/333	2040/1200 - 567/333
Sound pressure level (H-M-L)	dB(A)	37-35-28	37-35-28	41-36-29	42-38-30	44-38-32	46-41-35	46-42-36
Sound power level (H)	dB(A)	52-50-43	52-50-43	56-51-44	57-53-45	59-53-47	61-56-50	61-57-51
Dimensions (HxWxD)	mm	235x950x690	235x950x690	235x1270x690	235x1586x690	235x1586x690	235x1586x690	235x1586x690
Weight	kg	23	23	29	37	37	37	37

C= cooling mode

H= heating mode

(**) The energy efficiency class range of this product category is from D to A+++.

Sound pressure level measurement: 1 point measurement at 1.5m height / 1m length from outdoor unit in anechoic chamber.

Cooling conditions: 35°CDB/24°CWB outdoor - 27°CDB/19°CWD indoor

Heating conditions: 7°CDB/6°CWB outdoor - 20°CDB indoor

(*) 2HP: A+ in both cooling & cooling - 3 & 4HP: A+ in heating



RAV-HM_1FT-E
FLOOR STANDING



- Wide Airflow to cool and heat large areas.
- Directly positioned on the floor to simplify the installation.
- Plug & Play product with an embedded leak detector.

LINEUP

2 > 6HP

EFFICIENCY

A++/A+*

SOUND PRESSURE LEVEL

38 < 53dB(A)

PERFORMANCE DATA WITH DIGITAL INVERTER 2-SERIES

Outdoor unit		RAV-GM562ATP-E	RAV-GM802ATW-E	RAV-GM902ATW-E	RAV-GM1102ATW-E	RAV-GM1102AT8W-E	RAV-GM1402ATW-E	RAV-GM1402AT8W-E	RAV-GM1602ATW-E	RAV-GM1602AT8W-E
Indoor unit (Floor standing)		RAV-HM561FT-E	RAV-HM801FT-E	RAV-HM901FT-E	RAV-HM1101FT-E	RAV-HM1101FT-E	RAV-HM1401FT-E	RAV-HM1401FT-E	RAV-HM1601FT-E	RAV-HM1601FT-E
Coolingcapacity	kW	5.0	6.7	8.0	9.5	9.5	12.1	12.1	14.0	14.0
Coolingrange (min. - max.)	kW	1.5 - 5.6	1.9 - 8.0	1.9 - 8.8	3.0 - 11.2	3.0 - 11.2	3.0 - 13.2	3.0 - 13.2	3.0 - 15.0	3.0 - 15.0
Power input (min.-rated-max.)	kW	C 0.30 - 1.79 - 2.00	0.37 - 2.23 - 2.91	0.37 - 2.42 - 3.02	0.60 - 2.71 - 3.28	0.64 - 2.67 - 3.24	0.60 - 4.32 - 4.62	0.64 - 4.24 - 4.58	0.60 - 5.32 - 6.19	0.64 - 5.22 - 6.09
EER	W/W	2.79	3.01	3.30	3.50	3.55	2.80	2.85	2.63	2.68
SEER		5.86	5.53	6.24	6.22	5.88	5.53	5.35	5.20	5.15
Energy efficiency class	C	A+**	A**	A+++*	A+++*	A+**	-	-	-	-
Seasonalelectricity consumption	kWh/a	C 299	424	449	534	565	1311	1355	1613	1630
Heatingcapacity	kW	5.3	7.7	8.6	11.2	11.2	13.0	13.0	16.0	16.0
Heatingrange (min. - max.)	kW	1.5 - 6.3	1.6 - 9.0	1.6 - 9.9	3.0 - 13.0	3.0 - 13.0	3.0 - 16.0	3.0 - 16.0	3.0 - 17.0	3.0 - 18.0
Power input (min.-rated-max.)	kW	H 0.22 - 1.72 - 2.70	0.32 - 2.48 - 3.17	0.32 - 2.32 - 3.31	0.70 - 3.10 - 3.79	0.74 - 3.07 - 3.75	0.70 - 3.95 - 5.03	0.74 - 3.89 - 4.99	0.70 - 5.65 - 6.16	0.74 - 5.65 - 7.55
COP	W/W	3.08	3.11	3.70	3.61	3.64	3.29	3.34	2.83	2.83
SCOP		4.01	4.00	4.00	3.92	3.92	3.90	3.90	3.90	3.82
Energy efficiency class	H	A+**	A+**	A+**	A**	A**	-	-	-	-
Seasonalelectricity consumption	kWh/a	H 976	1783	2203	2960	2960	2975	2975	2972	3035

PHYSICAL DATA INDOOR

Indoor unit		RAV-HM561FT-E	RAV-HM801FT-E	RAV-HM901FT-E	RAV-HM1101FT-E	RAV-HM1401FT-E	RAV-HM1601FT-E
Airflow (H/L)	m³/h - l/s	820/600 - 228/167	930/640 - 258/178	1330/820 - 368/227	1660/1170 - 461/325	1760/1350 - 489/375	1760/1350 - 489/375
Sound pressure level (H-M-L)*	dB(A)	46-42-38	50-45-41	45-40-37	51-46-41	53-48-45	53-48-45
Sound power level (H-M-L)*	dB(A)	60-56-52	64-60-54	59-54-51	65-61-55	67-62-59	67-62-59
Dimensions (HxWxD)	mm	1750x600x210	1750x600x210	1750x600x390	1750x600x390	1750x600x390	1750x600x390
Weight	kg	44	45	59	59	59	59

C= cooling mode

H= heating mode

H-M-L= High - Medium - Low speed

(**) The energy efficiency class range of this product category is from D to A+++.

Sound pressure level measurement: 1 point measurement at 1.5m height / 1m length from outdoor unit in anechoic chamber.

Cooling conditions: 35°CDB/24°CWB outdoor - 27°CDB/19°CWD indoor

Heating conditions: 7°CDB/6°CWB outdoor - 20°CDB indoor

Floor standing is delivered without remote controller.

(*) Only applicable for 4HP 1-Ph combination

RAV
TWIN+



- **Connect 3 indoor units** to the same system to meet the cooling and heating requirements of larger areas.
- **Precise Airflow control** for accurate air distribution management regardless the size of the room.
- **One user-friendly controller** for all the indoor units to simplify the control.
- **Compatible with every type** of light commercial indoor units: 4-way cassette, duct, high wall ceiling and floor standing.



LINEUP

↑

4 > 6HP

EFFICIENCY

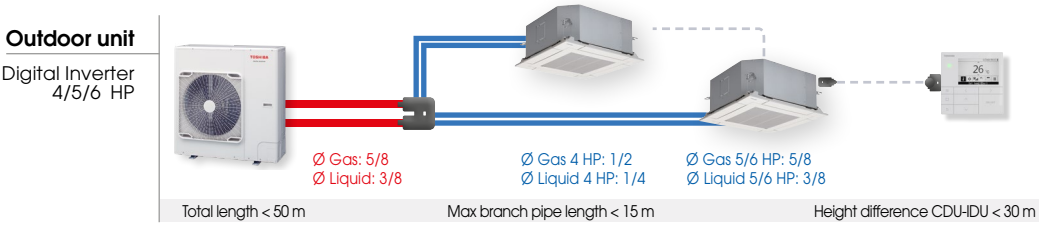
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A++/A+

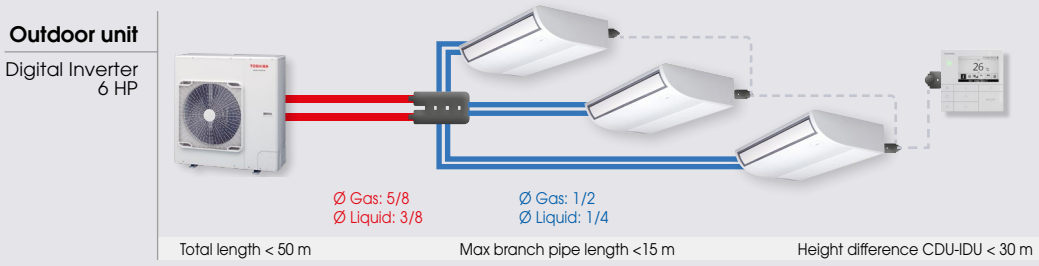
* 4HP: A+ in heating



TWIN SYSTEM
2 indoor units connected



TRIPLE SYSTEM
3 indoor units connected



DIGITAL INVERTER 2-SERIES - TWIN TABLE

Twin +	IDU type	Model name	Power supply Capacity	1-Phase			3-Phase		
				4 HP	5 HP	6 HP	4 HP	5 HP	6 HP
Twin	Standard 4-way cassette	RAV-HM_1UTP-E	2 HP	✓			✓		
			3 HP		✓	✓		✓	✓
	Standard duct	RAV-HM_1BTP-E	2 HP	✓			✓		
			3 HP		✓	✓		✓	✓
	Under ceiling	RAV-HM_1CTP-E	2 HP	✓			✓		
			3 HP		✓	✓		✓	✓
	High wall	RAV-HM_1KRTP-E	2 HP	✓			✓		
			3 HP		✓	✓		✓	✓
	Compact 4-way cassette	RAV-HM_1MUT-E	2 HP	✓			✓		
	Floor standing	RAV-HM_1FTE	2 HP	✓			✓		
Triple	Standard 4-way cassette	RAV-HM_1UTP-E	2 HP			✓			✓
	Standard duct	RAV-HM_1BTP-E	2 HP			✓			✓
	Under ceiling	RAV-HM_1CTP-E	2 HP			✓			✓
	High wall	RAV-HM_1KRTP-E	2 HP			✓			✓
	Compact 4-way cassette	RAV-HM_1MUT-E	2 HP			✓			✓
	Floor standing	RAV-HM_1FTE	2 HP			✓			✓

RAV - Individual remote controller
CONTROL



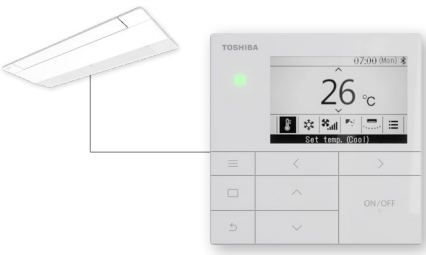
CONTROL OVERVIEW

Remote type	Model name	Identification	Compatibility	Features (in addition of On/Off, Mode, Set point, Fan speed, louvers setting)																
				Dual set point	Soft cooling	Night operation	Energy save function	Frost protection	Lock function	Summer time	Room naming	Off timer	Weekly timer	Return back	System setting	Error display	Luminous buttons	Backlight display	Bluetooth connectivity	Cloud control
Wireless remote controller kit	RBC-AXU33UP-E		Standard 4-way cassette																	
	RBC-AXU33UPB-E		Duct																	
	RBC-AXU31-E	Wireless receiver and remote controller	Under ceiling	-	-	-	-	-	-	-	-	✓	-	-	-	✓	-	✓	-	-
	RBC-AXU31C-E		1-way cassette																	
	RBC-AX33UYP-E		Compact 4-way cassette																	
Wired remote controller	RBC-AXU31UM-E																			
	RBC-ASCU11-E	Simplified wired remote		-	-	-	-	-	-	-	-	✓	-	-	✓	✓	-	✓	-	-
	RBC-AMTU31-E	Premium wired remote	All units	-	-	-	✓	✓	-	-	-	✓	-	-	✓	✓	-	✓	-	-
	RBC-AMSU52-E	Premium wired remote		✓	✓	3 steps	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-
	RBC-AWSU52-E	Premium wired remote with BLE		✓	✓	3 steps	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
Wifi control	BMS-WF0010UCPE	Wifi module	All units	-	-	-	✓	-	-	-	✓	-	✓	-	-	-	n/a	n/a	-	✓

Bluetooth® for local control

RBC-AWSU52-E, a new dimension in control

A greater control experience with the wired remote controller RBC-AWSU52-E that offers an optimised user interface.



With Bluetooth connectivity, easily manage comfort through smartphone (one to one pairing) using the Wave Commu Control app.

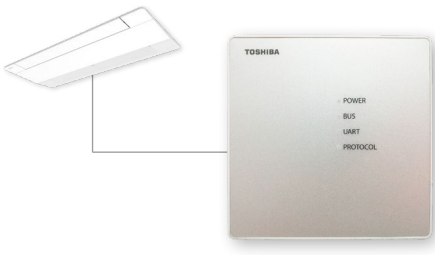


Bluetooth® wordmark is a registered trademark owned by the Bluetooth SIG, Inc.

Wifi control

Make Digital Inverter 2-Series even smarter

Use the intuitive Toshiba Home AC Control app. to find the perfect cooling or heating level at any time, no matter where you are.



BMS-WF0010UCPE
Availability: Q4-2023



RAV ACCESSORIES

Unit type		Description	Model name
Digital Inverter outdoor unit	RAV-GM_2ATW(8)-E	Application control kit	TCB-PCOS1E2
		Occupancy sensor kit - White	TCB-SIR33UP-E
4-way cassette	RAV-HM_UTP-E	PM2.5 filter / Before pre filter	TCB-PLFC1UPE-120
		PM2.5 filter / After pre filter	TCB-PLFC2UPE-80
		Advanced air purifier kit	TCB-EAPC1UHP-E
		Simplified air purifier kit (without deodorizing filter and dust collector)	TCB-EABC1UHP-E
Compact 4-way cassette	RAV-HM_MUT-E	Occupancy sensor kit	TCB-SIR41UM-E
1-way cassette	RAV-HM_U1TP-E	Occupancy sensor kit	TCB-SIR41UYP-E
		Air purifier kit	TCB-EAPC1UYHP-E
Standard duct	RAV-HM_BTP-E		TCB-SF56C6BE
			TCB-SF80C6BE
			TCB-SF160C6BE
High wall	RAV-HM_KRTP-E	Ultra Pure filter (2 filters per high wall)	818F0050
		Drain pump kit	TCB-DP31CE
Ceiling	RAV-HM_CTP-E		TCB-KP14CPE
		Elbow piping kit (needed with drain pump kit)	TCB-KP24CPE
Floor standing	RAV-HM_FTE	Floor standing remote controller space plastic cover	TCB-CKC1F-E



Rely on Toshiba Selection Software



Toshiba Selection software has been fully designed with a user-friendly interface allowing novice and expert users alike to create simple, yet detailed system schematics. It is highly versatile to tailor the level of details to customers' expectations. In line with R32 safety regulation, the software identifies the rooms to be equipped with safety devices. Final detailed reports can then be produced and sent to customers in a PDF format that summarises all the information needed to ensure proper installation, good system operation and customer satisfaction.



TOSHIBA Air Conditioning participates in the ECP program for Comfort Air Conditioners (AC).
Check ongoing validity of certificate:
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