TOSHIBA
Leading Innovation

DIGITAL INVERTER

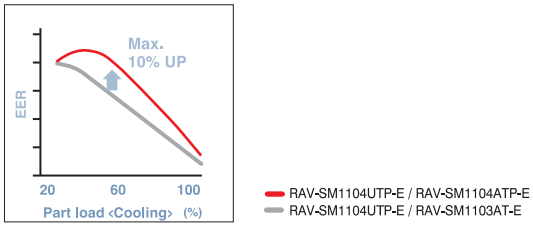
Inverter Air Conditioning for Light Commercial Use

DI Digital Inverter

Toshiba continues to improve its range of split systems dedicated to commercial applications. Digital Inverter (DI), compact and last effective. This has been totally redesigned to 4&5 HP model. The performance of these systems provide significant energy savings for a rapid return on investment. Energy savings, comfort, ease of installation and simplicity are the strengths Toshiba systems.

Remarkable energy efficiency

Industry's top-class energy-saving (Max. 10% up)



Wide-Utility function

Heater operation is possible starting from an outdoor temperature of -15°C, while cooling operation is possible at -15°C and up to 46 outdoor temperature. This enables wider applications and use of the system in colder regions.

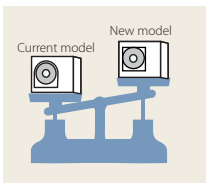
Extremely lightweight and compact outdoor unit

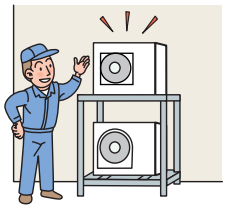
Lighter than the current model by 8 kg. (11%)

4 HP	RAV-SM1104AT(J)P-E	68kg. -8kg. (previous model: 76kg.)
5 HP	RAV-SM1104AT(J)P-E	

Small compact size chassis

Reduces installation spaces and enables a more efficient use of the site. Easy to install the outdoor units on a double-decked and easy to install on a wall.

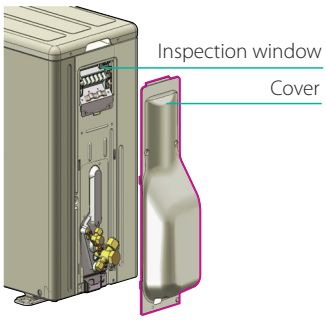




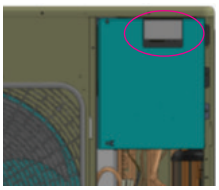
Easy and safety operation for maintenance of the outdoor unit

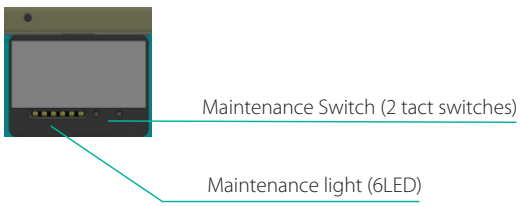
Inspection window makes it easy to find switch that requires operation and reduces the risk of electrical shock.

1 ~ 3HP



4 ~ 5HP



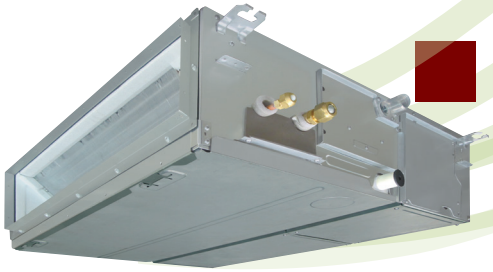


Outstandingly quiet operation & save operation setting

- Night operation make it possible to suppress the operation sound of the outdoor unit within the time which you desire. [12dB(A) reduction]*
- Save operation setting is available from 50% to 100% by 1%
- Quiet operation & save operation setting available for 1HP to 5HP

*5HP Outdoor unit, Heating.

Note: Night operation - Necessity to set the Lite-vision plus remote controller (RBC-AMS51E)
Save operation - Necessity to set the Lite-vision plus remote controller (RBC-AMS51E), (RBC-AMT32E)



Standard duct type

RAV-SMxxx6BTP-E

Wide range of application opportunities

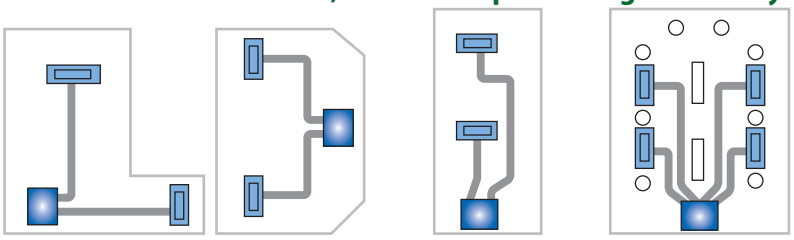
Compact sizing

Compact size especially in height (275 mm), new slimmer chassis offers wide range of installation opportunities to customer.

High static pressure

External static pressure can be raised as high as 120 Pa, so that all areas of the room can be reached for even temperature distribution, no matter how complex the layout.

Flexible duct is accessible, Allows complete design flexibility

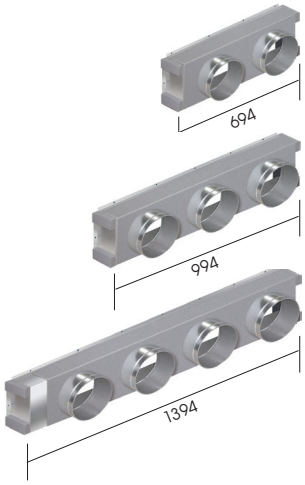


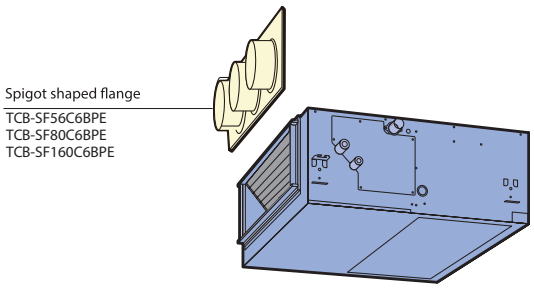
Polygonal rooms | Narrow rooms | Rooms with fixtures and obstacles

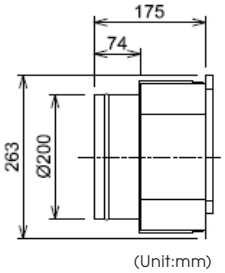
New spigot shaped flange as new accessories

New spigot shaped flange has higher static pressure with optimized design, the static pressure drops only 20Pa from rectangle flange states. Maximum Static pressure will be 100Pa* with all models.
(*static pressure with filter which included in, and intake from back ward)

Options







(Unit:mm)

Technical specifications

Indoor unit			(RAV-)	SM566BTP-E	SM806BTP-E	SM1106BTP-E	SM1406BTP-E	SM1606BTP-E
Outdoor unit	Standard		(RAV-)	SM564ATP-E	SM804ATP-E	SM1104ATP-E	SM1404ATP-E	SM1603AT-E
Power supply				1-phase 50Hz 220–240V / 1-phase 60Hz 220V				1-phase 50Hz 230V (220-240V)
Cooling*1	Capacity		kW	5.0	6.7	10.0	12.1	14.0
	Range, min-max		kW	1.5-5.6	1.5-8.0	3.0-11.2	3.0-13.2	3.0-16.0
	Power consumption		kW	1.83	2.38	3.14	4.42	5.13
	EER (Energy Efficiency Ratio)	Capacity 100%		2.73	2.82	3.18	2.74	2.73
		Capacity 80%		3.42	3.53	3.92	3.46	3.48
		Capacity 50%		4.39	5.08	4.90	4.92	4.24
Heating*1	Capacity		kW	5.3	7.7	11.2	12.8	16.0
	Range, min-max		kW	1.5-6.3	1.5-9.0	3.0-12.5	3.0-16.0	3.0-18.0
	Power consumption		kW	1.62	2.32	2.99	3.55	4.69
	COP (Coefficient of Performance)	Capacity 100%		3.27	3.32	3.75	3.61	3.41
		Capacity 80%		3.69	3.87	4.15	4.11	4.04
		Capacity 50%		4.57	5.07	5.09	4.89	4.32
Indoor unit								
	Standard air flow (H/M/L)		m^3/h	798/630/480	1200/930/720	2100/1650/1260	2100/1650/1260	2100/1650/1260
	External static pressure (factory setting)		Pa	30	30	50	50	50
	External static pressure-Standard (Upper-Lower)		Pa	30(120-30)	30(120-30)	50(120-30)	50(120-30)	50(120-30)
	Sound pressure level (H/M/L)		dB(A)	33/29/25	34/30/26	40/36/33	40/36/33	40/36/33
	Sound power level (H/M/L)		dB(A)	48/44/40	49/45/41	55/51/48	55/51/48	55/51/48
	Dimensions (H/W/D)		mm	275/700/750	275/1000/750	275/1400/750	275/1400/750	275/1400/750
	Weight		kg	23	30	40	40	40
Outdoor unit								
	Compressor type			DC twin rotary				
	Connecting pipe dia., Gas/Liquid side		mm	ø12.7 / ø6.4	ø15.9 / ø9.5	ø15.9 / ø9.5	ø15.9 / ø9.5	ø15.9 / ø9.5
	Standard / Min. pipe length		m	7.5 / 5	7.5 / 5	7.5 / 5	7.5 / 5	7.5 / 5
	Max. pipe total length		m	30	30	50	50	50
	Maximum height difference		m	30	30	30	30	30
	Outer dimensions (H/W/D)		mm	550/780/290	550/780/290	890/900/320	890/900/320	1340/900/320
	Weight		kg	40	44	68	68	99
	Standard air flow (Fan unit)		m^3/h	2400	2700	4080	4200	6180
	Sound pressure level, Cooling/Heating*2		dB(A)	46/48	48/52	53/54	54/55	51/53
	Sound power level, Cooling/Heating		dB(A)	63/65	65/69	70/71	70/71	68/70
	Operating range, Cooling/Heating		°C	-15~46 / -15~15				-15~43 / -15~15

*1 Rated conditions Cooling : Indoor air temperature 27°C DB / 19°C WB, Outdoor air temperature 35°C DB
Heating : Indoor air temperature 20°C DB, Outdoor air temperature 7°C DB / 6°C WB

*2 Sound pressure levels measured in an anechoic chamber

Twin system

Indoor unit type		Outdoor unit (RAV-)	Indoor unit (RAV-)	HP	Cooling Capacity			EER			Heating Capacity			COP		
					Rated (kW)	min-max (kW)	Power consumption (kW)	100%	80%	50%	Rated (kW)	min-max (kW)	Power consumption (kW)	100%	80%	50%
Digital Inverter 1-phase	Compact 4-way cassette	SM1104AT(J)P-E	SM564MUT-E	4	10.0	3.0-11.2	3.16	3.16	3.90	4.85	11.2	3.0-13.0	2.99	3.75	3.96	4.82
	4-way cassette	SM1104AT(J)P-E	SM564UTP-E	4	10.0	3.0-11.2	3.02	3.31	4.08	5.10	11.2	3.0-13.0	2.93	3.82	4.23	5.19
		SM1404AT(J)P-E	SM804UTP-E	5	12.0	3.0-13.2	4.29	2.80	3.53	5.00	12.8	3.0-16.0	3.40	3.76	4.30	5.12
		SM1603AT(Z)(ZG)-E	SM804UTP-E	6	14.0	3.0-16.0	4.49	3.12	3.98	4.86	16.0	3.0-18.0	4.43	3.61	4.59	4.91
	Slim duct	SM1104AT(J)P-E	SM564SDT-E	4	10.0	3.0-11.2	3.18	3.14	3.88	4.81	11.2	3.0-12.5	2.99	3.75	4.15	5.09
	Standard duct	SM1104AT(J)P-E	SM566BTP-E	4	10.0	3.0-11.2	3.14	3.18	3.92	4.90	11.2	3.0-12.5	2.99	3.75	4.15	5.09
		SM1404AT(J)P-E	SM806BTP-E	5	12.1	3.0-13.2	4.42	2.74	3.46	4.92	12.8	3.0-16.0	3.55	3.61	4.11	4.89
		SM1603AT(Z)(ZG)-E	SM806BTP-E	6	14.0	3.0-16.0	5.13	2.73	3.48	4.24	16.0	3.0-18.0	4.69	3.41	4.04	4.32
	Ceiling	SM1104AT(J)P-E	SM567CTP-E	4	10.0	3.0-11.2	3.11	3.22	3.96	4.95	11.2	3.0-12.5	2.94	3.81	4.23	5.14
		SM1404AT(J)P-E	SM807CTP-E	5	12.1	3.0-13.2	4.42	2.74	3.46	4.92	12.8	3.0-16.0	3.43	3.73	4.27	5.08
		SM1603AT(Z)(ZG)-E	SM807CTP-E	6	14.0	3.0-16.0	4.65	3.01	3.48	4.32	16.0	3.0-18.0	4.61	3.47	3.81	5.00
	High wall	SM1104AT(J)P-E	SM566KRT-E	4	10.0	3.0-11.2	3.13	3.19	3.94	4.90	11.2	3.0-12.5	2.99	3.75	4.15	5.09
		SM1404AT(J)P-E	SM806KRT-E	5	12.1	3.0-13.0	4.71	2.57	3.25	4.62	12.8	3.0-16.0	3.80	3.37	3.85	4.57
		SM1603AT(Z)(ZG)-E	SM806KRT-E	6	14.0	3.0-16.0	5.10	2.75	3.22	3.93	16.0	3.0-18.0	4.98	3.21	3.37	3.60
Digital Inverter BIG 3-phase	4-way cassette	SM2244AT8(Z)(ZG)-E	SM1104UTP-E	8	20.0	9.8-22.4	6.24	3.21	3.63	4.33	22.4	9.8-25.0	5.82	3.85	4.42	5.57
		SM2244AT7(Z)(ZG)	SM1104UTP-E	8	20.0	9.8-22.4	6.24	3.21	3.63	4.33	22.4	9.8-25.0	5.82	3.85	4.42	5.57
		SM2804AT8(Z)(ZG)-E	SM1404UTP-E	10	23.0	9.8-27.0	8.19	2.81	3.46	4.79	27.0	9.8-31.5	7.48	3.61	4.15	5.21
		SM2804AT7(Z)(ZG)	SM1404UTP-E	10	23.0	9.8-27.0	8.19	2.81	3.46	4.79	27.0	9.8-31.5	7.48	3.61	4.15	5.21
	Standard duct	SM2244AT8(Z)(ZG)-E	SM1106BTP-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	5.36
		SM2244AT7(Z)(ZG)	SM1106BTP-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	5.36
		SM2804AT8(Z)(ZG)-E	SM1406BTP-E	10	23.0	9.8-27.0	9.55	2.41	3.08	4.62	27.0	9.8-31.5	7.92	3.41	3.91	4.91
		SM2804AT7(Z)(ZG)	SM1406BTP-E	10	23.0	9.8-27.0	9.55	2.41	3.08	4.62	27.0	9.8-31.5	7.92	3.41	3.91	4.91
	Ceiling	SM2244AT8(Z)(ZG)-E	SM1107CTP-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	5.36
		SM2244AT7(Z)(ZG)	SM1107CTP-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	5.36
		SM2804AT8(Z)(ZG)-E	SM1407CTP-E	10	23.0	9.8-27.0	9.55	2.41	3.08	4.62	27.0	9.8-31.5	7.92	3.41	3.91	4.91
		SM2804AT7(Z)(ZG)	SM1407CTP-E	10	23.0	9.8-27.0	9.55	2.41	3.08	4.62	27.0	9.8-31.5	7.92	3.41	3.91	4.91

Triple system

Indoor unit type		Outdoor unit (RAV-)	Indoor unit (RAV-)	HP	Cooling Capacity			EER			Heating Capacity			COP		
					Rated (kW)	min-max (kW)	Power consumption (kW)	100%	80%	50%	Rated (kW)	min-max (kW)	Power consumption (kW)	100%	80%	50%
Digital Inverter 1-phase	Compact 4-way cassette	SM1603AT(Z)(ZG)-E	SM564MUT-E	6	14.0	3.0-16.0	4.99	2.81	3.29	4.02	16.0	3.0-18.0	4.69	3.41	4.04	4.32
	4-way cassette	SM1603AT(Z)(ZG)-E	SM564UTP-E	6	14.0	3.0-16.0	4.49	3.12	3.98	4.86	16.0	3.0-18.0	4.43	3.61	4.59	4.91
	Slim duct	SM1603AT(Z)(ZG)-E	SM564SDT-E	6	14.0	3.0-16.0	4.99	2.81	3.29	4.02	16.0	3.0-18.0	4.69	3.41	4.72	4.32
	Standard duct	SM1603AT(Z)(ZG)-E	SM566BTP-E	6	14.0	3.0-16.0	5.13	2.73	3.48	4.24	16.0	3.0-18.0	4.69	3.41	4.04	4.32
	Ceiling	SM1603AT(Z)(ZG)-E	SM567CTP-E	6	14.0	3.0-16.0	4.65	3.01	3.48	4.32	16.0	3.0-18.0	4.61	3.47	3.81	5.00
	High wall	SM1603AT(Z)(ZG)-E	SM566KRT-E	6	14.0	3.0-16.0	5.10	2.75	3.22	3.93	16.0	3.0-18.0	4.98	3.21	3.37	3.60
Digital Inverter BIG 3-phase	4-way cassette	SM2244AT8(Z)(ZG)-E	SM804UTP-E	8	20.0	9.8-22.4	6.24	3.21	3.63	4.33	22.4	9.8-25.0	5.82	3.85	4.42	5.57
		SM2244AT7(Z)(ZG)	SM804UTP-E	8	20.0	9.8-22.4	6.24	3.21	3.63	4.33	22.4	9.8-25.0	5.82	3.85	4.42	5.57
		SM2804AT8(Z)(ZG)-E	SM804UTP-E	10	23.0	9.8-27.0	8.19	2.81	3.46	4.79	27.0	9.8-31.5	7.48	3.61	4.15	5.21
		SM2804AT7(Z)(ZG)	SM804UTP-E	10	23.0	9.8-27.0	8.19	2.81	3.46	4.79	27.0	9.8-31.5	7.48	3.61	4.15	5.21
	Standard duct	SM2244AT8(Z)(ZG)-E	SM806BTP-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	5.36
		SM2244AT7(Z)(ZG)	SM806BTP-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	5.36
		SM2804AT8(Z)(ZG)-E	SM806BTP-E	10	23.0	9.8-27.0	9.55	2.41	3.08	4.62	27.0	9.8-31.5	7.92	3.41	3.91	4.91
		SM2804AT7(Z)(ZG)	SM806BTP-E	10	23.0	9.8-27.0	9.55	2.41	3.08	4.62	27.0	9.8-31.5	7.92	3.41	3.91	4.91
	Ceiling	SM2244AT8(Z)(ZG)-E	SM807CTP-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	5.36
		SM2244AT7(Z)(ZG)	SM807CTP-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	5.36
		SM2804AT8(Z)(ZG)-E	SM807CTP-E	10	23.0	9.8-27.0	9.55	2.41	3.08	4.62	27.0	9.8-31.5	7.92	3.41	3.91	4.91
		SM2804AT7(Z)(ZG)	SM807CTP-E	10	23.0	9.8-27.0	9.55	2.41	3.08	4.62	27.0	9.8-31.5	7.92	3.41	3.91	4.91
	High wall	SM2244AT8(Z)(ZG)-E	SM806KRT-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	3.93
		SM2244AT7(Z)(ZG)	SM806KRT-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	3.93
		SM2804AT8(Z)(ZG)-E	SM806KRT-E	10	23.0	9.8-27.0	9.55	2.41	2.82	3.44	27.0	9.8-31.5	7.92	3.41	3.58	3.84
		SM2804AT7(Z)(ZG)	SM806KRT-E	10	23.0	9.8-27.0	9.55	2.41	2.82	3.44	27.0	9.8-31.5	7.92	3.41	3.58	3.84

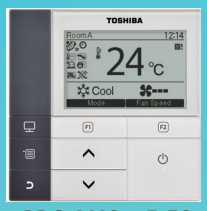
Double twin system

Indoor unit type		Outdoor unit (RAV-)	Indoor unit (RAV-)	HP	Cooling Capacity			EER			Heating Capacity			COP		
					Rated (kW)	min-max (kW)	Power consumption (kW)	100%	80%	50%	Rated (kW)	min-max (kW)	Power consumption (kW)	100%	80%	50%
Digital Inverter BIG 3-phase	Compact 4-way cassette	SM2244AT8(Z)(ZG)-E	SM564MUT-E	8	20.0	9.8-22.4	7.12	2.81	3.28	4.20	22.4	9.8-25.0	6.40	3.50	4.09	5.36
		SM2244AT7(Z)(ZG)	SM564MUT-E	8	20.0	9.8-22.4	7.12	2.81	3.28	4.20	22.4	9.8-25.0	6.40	3.50	4.09	5.36
	4-way cassette	SM2244AT8(Z)(ZG)-E	SM564UTP-E	8	20.0	9.8-22.4	6.24	3.21	3.63	4.33	22.4	9.8-25.0	5.82	3.85	4.42	5.57
		SM2244AT7(Z)(ZG)	SM564UTP-E	8	20.0	9.8-22.4	6.24	3.21	3.63	4.33	22.4	9.8-25.0	5.82	3.85	4.42	5.57
		SM2804AT8(Z)(ZG)-E	SM804UTP-E	10	23.0	9.8-27.0	8.19	2.81	3.46	4.79	2.70	9.8-31.5	7.48	3.61	4.15	5.21
		SM2804AT7(Z)(ZG)	SM804UTP-E	10	23.0	9.8-27.0	8.19	2.81	3.46	4.79	27.0	9.8-31.5	7.48	3.61	4.15	5.21
	Slim duct	SM2244AT8(Z)(ZG)-E	SM564SDT-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	5.36
		SM2244AT7(Z)(ZG)	SM564SDT-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	5.36
	Standard duct	SM2244AT8(Z)(ZG)-E	SM566BTP-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	5.36
		SM2244AT7(Z)(ZG)	SM566BTP-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	5.36
		SM2804AT8(Z)(ZG)-E	SM566BTP-E	10	23.0	9.8-27.0	9.55	2.41	3.08	4.62	27.0	9.8-31.5	7.92	3.41	3.91	4.91
		SM2804AT7(Z)(ZG)	SM566BTP-E	10	23.0	9.8-27.0	9.55	2.41	3.08	4.62	27.0	9.8-31.5	7.92	3.41	3.91	4.91
	Ceiling	SM2244AT8(Z)(ZG)-E	SM567CTP-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	5.36
		SM2244AT7(Z)(ZG)	SM567CTP-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	5.36
		SM2804AT8(Z)(ZG)-E	SM807CTP-E	10	23.0	9.8-27.0	9.55	2.41	3.08	4.62	27.0	9.8-31.5	7.92	3.41	3.91	4.91
		SM2804AT7(Z)(ZG)	SM807CTP-E	10	23.0	9.8-27.0	9.55	2.41	3.08	4.62	27.0	9.8-31.5	7.92	3.41	3.91	4.91
	High wall	SM2244AT8(Z)(ZG)-E	SM566KRT-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	3.93
		SM2244AT7(Z)(ZG)	SM566KRT-E	8	20.0	9.8-22.4	7.12	2.81	3.31	4.20	22.4	9.8-25.0	6.40	3.50	4.09	3.93
		SM2804AT8(Z)(ZG)-E	SM806KRT-E	10	23.0	9.8-27.0	9.55	2.41	2.82	3.44	27.0	9.8-31.5	7.92	3.41	3.58	3.84
		SM2804AT7(Z)(ZG)	SM806KRT-E	10	23.0	9.8-27.0	9.55	2.41	2.82	3.44	27.0	9.8-31.5	7.92	3.41	3.58	3.84

Controllers & Accessories

	Parts Name	Model Name	Applied Model	Remarks
Controllers	Wired remote controller	RBC-AMT32E	All indoor units	
		RBC-AMS41E	All indoor units	
		RBC-AMS51E-ES/-EN	All indoor units	
	Simple wired remote controller	RBC-AS41E	All indoor units	
	Wireless remote controller kits	RBC-AX32U(W)/(WS)-E	4-way cassette	
		RBC-AX33CE	Ceiling	
		TCB-AX32E2	All indoor units	
	Remote controller kits	TCB-EXS21TLE	-	Use with wired remote controller
		TCB-CC163TLE2	-	Use with wired remote controller
		TCB-SC642TLE2	All indoor units	
		BMS-CM1280TLE	All indoor units	
	TCC-Link adaptor	TCB-PCNT30TLE2	All indoor units except High-wall	Use with Remote controller kits
Accessories	Fresh air inlet box	TCB-GB1602UE	4-way cassette	Use with TCB-GFC1602UE
	Fresh air filter chamber	TCB-GFC1602UE		
	Auxiliary fresh air flange	TCB-FF101URE2	4-way cassette, compact 4-way cassette and Slim duct	
	Spacer for height adjustment	TCB-SP1602UE	4-way cassette	
	Air discharge direction kit	TCB-BC1602UE	4-way cassette	
	Drain pump kit	TCB-DP31CE	Ceiling	Use with TCB-KP13CE, TCB-KP23CE
		TCB-DP32CE	Concealed duct high static pressure	
	Elbow piping kit	TCB-KP13CE	Ceiling	
		TCB-KP23CE	Ceiling	
	Optional connecting kit	TCB-PCUC1E	Ceiling	
Branch kit		RBC-TWP30E2	Digital Inverter 1-phase model	
		RBC-TWP50E2		
		RBC-TWP101E "1:2"	Twin system of Digital Inverter BIG model	
		RBC-TRP100E "1:3"	Digital Inverter 1-phase model and Digital Inverter BIG model	
		RBC-DTWP101E "1:4"	Double twin system of Digital Inverter BIG model	

Remote controllers



RBC-AMS51E-ES
RBC-AMS51E-EN

Lite-Vision plus Remote Controller

Wired remote controller with a built in 7-day timer-featuring a new multi-language, LCD display with backlight, energy saving options and a return back function.

- 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.

RBC-AMT32E

Standard Remote controller

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.

RBC-AMS41E

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

Wired remote controller with clock display and a built in 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

RBC-AS41E

Simple wired remote controller

Simple wired remote controller 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

TCB-EXS21TLE

Schedule timer

- Schedule timer mode
  – 6 programmings per day
  – Enabling 8 groups to be programmed

TCB-SC642TLE2

Central remote controller

- Individual control for max. 64 indoor units divided into 1 to 4 zone (Up to 16 indoor units for each zone)
- Up to 16 outdoor header units are connectable
- 4 types of central control settings to inhibit individual operation by remote controller can be selected
- Usable with other central control devices (Max. 10 devices in one control circuit)
- Two control mode selectivity (Central controller mode) Remote controller mode
- Setting of simultaneous ON/OFF 3 times per day combined with the weekly timer.

Wireless remote controller kit

- 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

RBC-AX32U(W)/(WS)-E
Integral receiver
(For 4-way cassette)

RBC-AX33CE
Integral receiver
(For ceiling)

TCB-AX32E2
Sensor unit; Stand alone receiver
(For 4-way cassette, Compact 4-way cassette (600 x 600), Ceiling, Duct type, High wall)

BMS-CM1280TLE

Central remote controller

- Operation
  Individual operation of 128 indoor units available
  Return Back Operation
  Weekly Schedule Operation*
  (ON/OFF)
  * Schedule timer necessary
- Monitoring
  Zone setting (64 zones x 2)
  Individual unit operation mode operation restriction
  Alarm display
  Control input
  Status output

TCB-CC163TLE2

ON-OFF controller

- Individual control of up to 16 indoor units.
- Setting of simultaneous ON/OFF 3 times per day combined with the weekly timer.

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 automatic defrosting unit

When the outdoor air temperature drops, frost may form on the heat exchanger of the outdoor unit. In such cases, the automatic defrosting unit will be activated, and it will take 5 to 8 minutes for the heating operation to be restored.

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.

TOSHIBA

Leading Innovation

Notice: - Products listed in this leaflet use HFC refrigerant R410A with a GWP of 2,088*.
- 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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