

## CONCEALED DUCT HIGH STATIC PRESSURE TYPE

Satisfies all your design needs



### Construction characteristics

The flexible duct is accessible. Constant temperature setting is possible in large rooms or factories. Easy service and installation. Enable to maintain the blower section from unit side for maintenance and repair. Drain pump kit is available as optional parts up to 330 mm from unit bottom. Enable to select auto restart operation (set from wired remote controller)

### Design flexibility

Compatible with external static pressures up to 196 Pa.

### 3-steps-switchable static pressure

	Low	Middle	High
External static pressure (Pa)	68.6	137.0	196.0

\*Factory setting : 137 Pa

Large air volume, Duct high static pressure type is most suitable for the large rooms. Long-life filters fitted as standard. Can be equipped with the following options:

- High-efficiency filter (65, 90)
- Drain pump kit

### Technical Specifications

Model Name	Indoor Unit		RAV-	RM2241DTP-E2	RM2801DTP-E2
	Outdoor Unit		RAV-	GM2241AT8-E1	GM2801AT8-E1
Refrigerant			R32		
Power supply			3 phase 380 - 415 V 50 Hz		
Cooling capacity ...Note 1			(kW)	20.0 <4.6 - 22.4>	24.0 <4.6 - 27.0>
Cooling	Power consumption		(kW)	6.20	7.98
	EER ...Note 2			3.23	3.01
	AEER			3.17	2.97
Indoor unit					
Outer Dimension	Main unit	Height	(mm)	448	
		Width	(mm)	1400	
		Depth	(mm)	900	
	Total weight		(kg)	97	
Standard air flow		H / M / L	(m³/h)	3800 / 3200 / 2500	4800 / 4200 / 3500
External static pressure	Standard (Upper - Lower)	(Factory setting)	(Pa)	150 (250 - 50)	
Sound pressure level	H		(dB)	44	46
Sound power level	H		(dB)	79	81
Outdoor unit					
Air Flow			(m³/h)	9150	10890
Outer dimension	Main unit	Height	(mm)	1550	
		Width	(mm)	1010	
		Depth	(mm)	370	
	Total weight		(kg)	142	
Pipe	Min. length		(m)	5.0	
	Max. total length		(m)	100.0	
Flare Connections	Gas side		(mm)	15.9	
	Liquid side		(mm)	12.7	
Sound pressure level	Cooling / Heating ...Note 3		(dB)	58 / 60	61 / 63
Sound power level	Cooling / Heating		(dB)	76 / 76	78 / 80
Operating Range	Cooling		(°C)	-15 / 46	

Note 1: The cooling capacities and electrical characteristics are measured under the conditions specified by JIS B 8615 based on the reference piping. The reference piping consists of 7.5 m piping connected with 0 meter height.

Note 2: The EER and COP are measured under conditions specified by BS EN14511 (2013) External static pressure is different from factory setting.

Note 3: The sound level are measured in an anechoic chamber in accordance with JIS B 8616. Normally, the values measured in the actual operating environment become larger than the indicated values due to the effects of external sound.

Note: 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



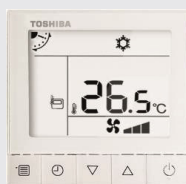
## Wired Remote Controller



**RBC-AMTU31-E**

### Wired Controller

- Mode (heat, cool, ventilation, dry, auto)
- Timer function
- Energy save function
- Filter dirty indication
- Error display
- Error output
- Temperature sensor



**RBC-ASC11E**

### Wired remote controller

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

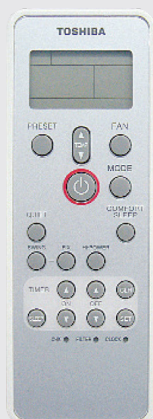


**RBC-AMSU51-EN/ES**

### Wired remote controller

- 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.

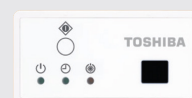
## Wireless Remote Controller



- 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  
(For Standard duct type)

**TCB-ACX32E2**



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