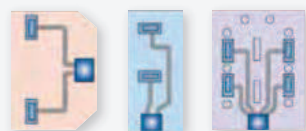




Wide range of applications



The use of ducts ensures flexible installations even in complex room layouts as polygonal rooms, narrow rooms or indoor spaces with fixtures and obstacles.

Whatever the shape of the room, ducted units ensure uniform temperatures in it. It's ideal for hotels, banks and similar applications, where hidden units and very low noise levels are needed.

Compact size. The reduced height of the unit (275mm) extend the number of possible applications.

New DC fan motor for high external static pressure (max 120 Pa).

PC board panel easily accessible from the side of the unit.

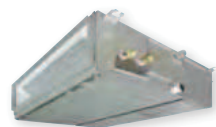
Double option for air intake: rear or bottom, plus a pre-punched knockout hole for fresh air supply connection.

High lift drain pump reach up to 290mm enabling flexible condensate removal piping layout design.

DUCTED

DI AND SDI INVERTER

S M - B T



INDOOR UNITS

- RAV-SM406BT-E
- RAV-SM456BT-E
- RAV-SM566BT-E
- RAV-SM806BT-E
- RAV-SM1106BT-E
- RAV-SM1406BT-E
- RAV-SM1606BT-E

OUTDOOR UNITS

- RAV-SP564AT-E
- RAV-SP804AT-E
- RAV-SP1104AT-E
- RAV-SP1104AT8-E
- RAV-SP1404AT-E
- RAV-SP1404AT8-E
- RAV-SP1604AT8-E

- RAV-SM563AT-E
- RAV-SM803AT-E
- RAV-SM1103AT-E1
- RAV-SM1403AT-E1
- RAV-SM1603AT-E

- With branching kits
- RAV-SM2244AT8-E
- RAV-SM2804AT8-E

REMOTE CONTROLS

- Wireless
- TCB-AX32E2
- Wired
- RBC-AMS51E-EN(ES)
- RBC-AMS41E
- RBC-AMT32E
- RBC-AS21E2

SM\_BT + SP\_AT

Performance data with Super Digital Inverter

Outdoor unit	RAV-SP404AT-E	RAV-SP454AT-E	RAV-SP564AT-E	RAV-SP804AT-E	RAV-SP1104AT-E	RAV-SP1104AT8-E	RAV-SP1404AT-E	RAV-SP1404AT8-E	RAV-SP1604AT8-E
Indoor unit (Standard Duct)	RAV-SM406BT-E	RAV-SM456BT-E	RAV-SM566BT-E	RAV-SM806BT-E	RAV-SM1106BT-E	RAV-SM1106BT-E	RAV-SM1406BT-E	RAV-SM1406BT-E	RAV-SM1606BT-E
Cooling capacity	3,6		4	5	7,1	10	12,5	12,5	14
Cooling range (min. - max.)	1,5 - 4,0		1,5 - 4,5	1,2 - 5,6	1,9 - 8,0	2,6 - 12,0	2,6 - 12,0	2,6 - 14,0	2,6 - 16,0
Power input (rated)	1,07		1,23	1,56	2,06	2,64	2,64	3,83	3,86
EER	3,38		3,24	3,21	3,45	3,79	3,79	3,26	3,24
Energy efficiency class	C		A	A	A	A	A	-	-
Annual energy consumption	780		1105	780	1105	1470	1470	1915	1930
Heating capacity	4		4,5	5,6	8	11,2	11,2	14	14
Heating range (min. - max.)	1,5-5,0		1,5-4,5	1,5-5,6	1,3-10,6	2,4-13,0	2,4-14,0	2,4-16,5	2,4-19,0
Power input (rated)	1,04		1,24	1,55	2,21	2,77	2,77	3,67	3,67
COP	3,84		3,63	3,61	3,62	4,04	4,04	3,81	3,81
Energy efficiency class	H		A	A	A	A	A	-	-

SM\_BT + SP\_AT

Performance data with Digital Inverter

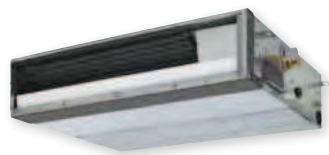
Outdoor unit	RAV-SM563AT-E	RAV-SM803AT-E	RAV-SM1103AT-E1	RAV-SM1403AT-E1	RAV-SM1603AT-E
Indoor unit (Standard Duct)	RAV-SM566BT-E	RAV-SM806BT-E	RAV-SM1106BT-E	RAV-SM1406BT-E	RAV-SM1606BT-E
Cooling capacity	5		6,7	10	12,1
Cooling range (min. - max.)	1,5 - 5,6		1,5 - 7,4	3,0 - 11,2	3,0 - 13,2
Power input (rated)	1,78		2,38	3,5	4,28
EER	2,81		2,81	2,86	2,83
Energy efficiency class	C		C	C	-
Annual energy consumption	890		1265	1780	2210
Heating capacity	5,6		8	11,2	13,4
Heating range (min. - max.)	1,5 - 6,3		1,5 - 9,0	3,0 - 12,5	3,0 - 16,0
Power input (rated)	1,71		2,41	3,14	3,91
COP	3,27		3,32	3,57	3,43
Energy efficiency class	H		C	B	-

SM\_BT

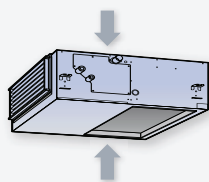
Physical data indoor

Indoor unit	RAV-SM406BT-E	RAV-SM456BT-E	RAV-SM566BT-E	RAV-SM806BT-E	RAV-SM1106BT-E	RAV-SM1406BT-E	RAV-SM1606BT-E
Air Flow (H/L)	m <sup>3</sup> /h - l/s		800/480 - 222/133	800/480 - 222/133	800/480 - 222/133	1200/720 - 333/200	2100/1260 - 583/350
Sound pressure level (H-M-L)	dB(A)		33-29-25	33-29-25	33-29-25	34-30-26	40-36-33
Sound power level (H-M-L)	dB(A)		55-51-46	55-51-46	55-51-46	55-51-46	63-58-54
Dimensions (HxWxD)	mm		275x270x750	275x270x750	275x270x750	275x1000x750	275x1400x750
Weight	kg		23	23	23	30	40
External static pressure (stand/upper limit)	Pa		30/120	30/120	30/120	30/120	50/120

CO = cooling mode  
 HP = heating mode  
 H-M-L = High - Medium - Low speed



Low height profile



Its slim profile of only 210mm make this product the perfect solution for concealed installation in low ceiling voids.

Very compact design unit designed to distribute air in multiple location form a low hidden false ceiling.

Two choice of selection for the air inlet flow: bottom or back side.

Natural drain discharge port and drain pump (up to 850 mm).

Cleanable prefilter included.

Fresh air inlet possibility via a pre-punched knock hole.

Four steps static pressure set-up.

Easy to combine with different type of air diffusers.

SLIM DUCT

DI AND SDI INVERTER

SM \_ SDT



**INDOOR UNITS**

RAV-SM404SDT-E  
RAV-SM454SDT-E  
RAV-SM564SDT-E

**OUTDOOR UNITS**

RAV-SP404AT-E  
RAV-SP454AT-E  
RAV-SP564AT-E

RAV-SM563AT-E

With branching kits  
RAV-SM2244AT8-E

**REMOTE CONTROLS**

Wireless  
TCB-AX32E2

Wired  
RBC-AM551E-EN(ES)  
RBC-AMS41E  
RBC-AMT32E  
RBC-AS21E2

**SM\_SDT + SP\_AT**

Performance data with Super Digital Inverter

Outdoor unit		RAV-SP404AT-E	RAV-SP454AT-E	RAV-SP564AT-E
Indoor unit (Slim duct)		RAV-SM404SDT-E	RAV-SM454SDT-E	RAV-SM564SDT-E
Cooling capacity	kW	3,6	4,0	5,0
Cooling range (min. - max.)	kW	1,5 - 4,0	1,5 - 4,5	1,2 - 5,6
Power input (min. - rated - max.)	kW CO	0,37 - 1,03 - 1,25	0,37 - 1,2 - 1,49	0,21 - 1,56 - 2,29
EER	W/W	3,50	3,33	3,21
Energy efficiency class	CO	A	A	A
Annual energy consumption	kWh	515	600	780
Heating capacity	kW	4,0	4,5	5,6
Heating range (min. - max.)	kW	1,5 - 5,0	1,5 - 5,6	0,9 - 7,4
Power input (min. - rated - max.)	kW HP	0,37 - 1,00 - 2,20	0,37 - 1,15 - 2,30	0,17 - 1,44 - 2,37
COP	W/W	4,00	3,91	3,89
Energy efficiency class	HP	A	A	A

**SM\_SDT + SM\_AT**

Performance data with Digital Inverter

Outdoor unit		RAV-SM563AT-E
Indoor unit (Slim duct)		RAV-SM564SDT-E
Cooling capacity	kW	5,0
Cooling range (min. - max.)	kW	1,5 - 5,6
Power input (min. - rated - max.)	kW CO	0,21 - 1,66 - 2,78
EER	W/W	3,01
Energy efficiency class	CO	B
Annual energy consumption	kWh	830
Heating capacity	kW	5,6
Heating range (min. - max.)	kW	1,5 - 6,3
Power input (min. - rated - max.)	kW HP	0,38 - 1,59 - 2,40
COP	W/W	3,52
Energy efficiency class	HP	B

**SM\_SDT**

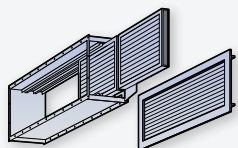
Physical data Outdoor unit

Indoor unit		RAV-SM404SDT-E	RAV-SM454SDT-E	RAV-SM564SDT-E
Air Flow (H/L)	m <sup>3</sup> /h - l/s	690/522 - 192/145	690/522 - 192/145	780/582 - 217/162
Sound pressure level (H-M-L)*	dB(A)	39-36-33	39-36-33	45-40-36
Sound power level (H-M-L)*	dB(A)	54-51-48	54-51-48	60-55-51
Dimensions (HxWxD)	mm	210x845x645	210x845x645	210x845x645
Weight	kg	22	22	22
External static pressure (stand/upper limit)	Pa	5/24	5/24	4/24

CO = cooling mode  
HP = heating mode  
\*bottom air inlet



High efficiency filters



Easy to connect optional filter chamber designed to host standard long life pre-filters and high efficiency filters with a dust collecting effect up to 90% (NBS colorimetric mode).

This is Toshiba's most powerful ducted unit delivering air flows up to 5040 m<sup>3</sup>/h.

Unobtrusive unit, it can be installed easily and discretely in any interior. It is the ideal solution for both new and refurbishing buildings.

Inspection hole enables easy access and maintenance.

Wide range of options available: filter chamber, long-life filter, drain pump kit.

Static pressure can be set to 3 levels (68, 137 and 196 Pa).

SM\_DT8 + SM\_AT8

Performance data with Digital Inverter Big

		RAV-SM2244AT8-E	RAV-SM2804AT8-E
Outdoor unit		RAV-SM2242DT-E	RAV-SM2802DT-E
Indoor unit (High Static duct)			
Cooling capacity	kW	20,0	23,0
Cooling range (min. - max.)	kW	9,8 - 22,4	9,8 - 27,0
Power input (min. - rated - max.)	kW CO	3,26 - 7,20 - 9,09	3,36 - 8,75 - 12,76
EER	W/W	2,78	2,63
Energy efficiency class	CO	-	-
Annual energy consumption	kWh	3600	4375
Heating capacity	kW	22,4	27,0
Heating range (min. - max.)	kW	9,8 - 25,0	9,8 - 31,5
Power input (min. - rated - max.)	kW HP	2,57 - 6,49 - 7,45	2,57 - 8,15 - 11,01
CDP	W/W	3,45	3,31
Energy efficiency class	HP	-	-

SM\_DT

Physical data Indoor units

		RAV-SM2242DT-E	RAV-SM2802DT-E
Indoor unit			
Air Flow (H/L)	m <sup>3</sup> /h - l/s	3600 - 1000	4200 - 1167
Sound pressure level	dB(A)	54	55
Sound power level	dB(A)	74	75
Dimensions (HxWxD)	mm	470x1380x1250	470x1380x1250
Weight	kg	160	160
External static pressure (H/M/L)	Pa	196/137/68,6	196/137/68,6

CO = cooling mode  
HP = heating mode  
H-M-L = High - Medium - Low speed

HI-STATIC PRESSURE DUCTED UNIT

DIGITAL INVERTER

S M \_ D T



INDOOR UNITS

RAV-SM2242DT-E  
RAV-SM2802DT-E



OUTDOOR UNITS

RAV-SM2244AT8-E  
RAV-SM2804AT8-E



REMOTE CONTROLS

Wireless  
TCB-AX32E2  
Wired  
RBC-AM51E-EN(ES)  
RBC-AMS41E  
RBC-AMT32E  
RBC-AS21E2