

Digital Inverter Big series4 -- twin combinations

Specification

Indoor type	DI-Big 1:2		DI-Big 1:2		DI-Big 1:2		
	4way cassette series4		Duct		Ceiling		
	Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	
	RAV-SM1104UT-E x2	RAV-SM1404UT-E x2	RAV-SM1102BT-E x2	RAV-SM1402BT-E x2	RAV-SM1102CT-E x2	RAV-SM1402CT-E x2	
	RAV-SM2244AT8-E	RAV-SM2804AT8-E	SM2244AT8-E	SM2804AT8-E	SM2244AT8-E	SM2804AT8-E	
Branch kit	RBC-TWP101E	RBC-TWP101E	RBC-TWP101E	RBC-TWP101E	RBC-TWP101E	RBC-TWP101E	
Refrigerant	R410A		R410A		R410A		
HP	8HP	10HP	8HP	10HP	8HP	10HP	
Cooling capacity	kW	20.0	23.0	20.0	23.0	20.0	23.0
Capacity range, min.-max.	kW	< 9.8 - 22.4 >	< 9.8 - 27.0 >	< 9.8 - 22.4 >	< 9.8 - 27.0 >	< 9.8 - 22.4 >	< 9.8 - 27.0 >
Power input, cooling	kW	6.24	8.19	7.12	9.55	7.12	9.55
Power input cooling, min.max	kW	< 2.30 - 8.13 >	< 2.30 - 11.70 >	< 2.37 - 9.28 >	< 2.37 - 13.39 >	< 2.37 - 9.28 >	< 2.37 - 13.39 >
EER, cooling	W/W	3.21	2.81	2.81	2.41	2.81	2.41
Heating capacity	kW	22.4	27.0	22.4	27.0	22.4	27.0
Capacity range, min.-max.	kW	< 9.8 - 25.0 >	< 9.8 - 31.5 >	< 9.8 - 25.0 >	< 9.8 - 31.5 >	< 9.8 - 25.0 >	< 9.8 - 31.5 >
Power input, Heating	kW	5.82	7.48	6.40	7.92	6.40	7.92
Power input heating, min-max	kW	< 1.90 - 6.78 >	< 1.90 - 10.34 >	< 1.98 - 7.46 >	< 1.98 - 10.95 >	< 1.98 - 7.46 >	< 1.98 - 10.95 >
EER, Heating	W/W	3.85	3.61	3.50	3.41	3.50	3.41
Annual power consumption, cooling	kWh	3120	4095	3560	4775	3560	4775
Energy label, cooling		A	C	C	E	C	E
Energy label, Heating		A	A	B	B	B	B
Indoor unit		RAV-SM1104UT-E	RAV-SM1404UT-E	RAV-SM1102BT-E	RAV-SM1402BT-E	RAV-SM1102CT-E	RAV-SM1402CT-E
Fan type		turbo fan	turbo fan	Centrifugal fan	Centrifugal fan	Centrifugal fan	Centrifugal fan
Air flow	H - M - L m3/min	33.5-24.0-19.5	35.0-25.0-20.5	27.0-23.0-18.9	33.0-28.0-23.1	27.5-24.0-21.2	30.0-26.0-23.1
Dimensions, height x width x depth	mm	319x840x840	319x840x840	320x1,350x800	320x1,350x800	20x1,595x680	20x1,595x680
Weight	kg	24	24	54	54	33	33
Sound pressure level	H - M - L dB	43-38-33	44-38-34	42-39-36	44-41-38	41-38-35	43-40-37
Sound power level	H - M - L dB	58-53-48	59-53-49	57-54-51	59-56-53	56-53-50	58-55-52
Ceiling Panel		RBC-U31PG(W)-E RBC-U31PGS(W)-E , (WS)-E		-	-	-	-
Panel dimension	mm	30x950x950		-	-	-	-
Panel weight	kg	4.2		-	-	-	-
Air filter		attached		-	-	-	-
Outdoor unit		RAV-SM2244AT8-E	RAV-SM2804AT8-E	RAV-SM2244AT8-E	RAV-SM2804AT8-E	RAV-SM2244AT8-E	RAV-SM2804AT8-E
Dimensions, height x width x depth	mm	1,540x900x320	1,540x900x320	1,540x900x320	1,540x900x320	1,540x900x320	1,540x900x320
Weight	kg	134	134	134	134	134	134
Air flow	m3/min	133	150	133	150	133	150
Sound pressure level, cooling/heating	dB	56/57	57/58	56/57	57/58	56/57	57/58
Sound power level, cooling/heating	dB	72/74	74/75	72/74	74/75	72/74	74/75
Refrigerant charge amount in outdoor unit	kg	5.9	5.9	5.9	5.9	5.9	5.9
Pipe Connections Gas/Liquid	main mm	28.6/12.7	28.6/12.7	28.6/12.7	28.6/12.7	28.6/12.7	28.6/12.7
	branch mm	15.9/9.5	15.9/9.5	15.9/9.5	15.9/9.5	15.9/9.5	15.9/9.5
Maximum height difference	m	30	30	30	30	30	30
Pipe length , maximum	m	70	70	70	70	70	70
Pipe length , minimum	m	7.5	7.5	7.5	7.5	7.5	7.5
Changeless pipe length	m	30	30	30	30	30	30
Outside air temperature, cooling	degC(DB)	46 ~ -15		46 ~ -15		46 ~ -15	
Outside air temperature, heating	degC(WB)	15 ~ -20		15 ~ -20		15 ~ -20	

Digital Inverter Big series4 -- triple combinations

Specification

Indoor type	DI-Big 1:3		DI-Big 1:3		DI-Big 1:3		DI-Big 1:3		
	4way cassette series4		Duct		Ceiling		Hi Wall		
	Indoor	RAV-SM804UT-E x3	RAV-SM804UT-E x3	RAV-SM802BT-E x3	RAV-SM802BT-E x3	RAV-SM802CT-E x3	RAV-SM802CT-E x3	RAV-SM802KRT-E x3	RAV-SM802KRT-E x3
Outdoor	RAV-SM2244AT8-E	RAV-SM2804AT8-E	RAV-SM2244AT8-E	RAV-SM2804AT8-E	RAV-SM2244AT8-E	RAV-SM2804AT8-E	RAV-SM2244AT8-E	RAV-SM2804AT8-E	
Branch kit	RBC-TRP100E	RBC-TRP100E	RBC-TRP100E	RBC-TRP100E	RBC-TWP101E	RBC-TWP101E	RBC-TWP101E	RBC-TWP101E	
Refrigerant	R410A		R410A		R410A		R410A		
HP	8HP	10HP	8HP	10HP	8HP	10HP	8HP	10HP	
Cooling capacity	kW	20.0	23.0	20.0	23.0	20.0	23.0	20.0	23.0
Capacity range, min.-max.	kW	< 9.8 - 22.4 >	< 9.8 - 27.0 >	< 9.8 - 22.4 >	< 9.8 - 27.0 >	< 9.8 - 22.4 >	< 9.8 - 27.0 >	< 9.8 - 22.4 >	< 9.8 - 27.0 >
Power input, cooling	kW	6.24	8.19	7.12	9.55	7.12	9.55	7.12	9.55
Power input cooling, min-max	kW	< 2.30 - 8.13 >	< 2.30 - 11.70 >	< 2.37 - 9.28 >	< 2.37 - 13.39 >	< 2.37 - 9.28 >	< 2.37 - 13.39 >	< 2.37 - 9.28 >	< 2.37 - 13.39 >
EER, cooling	W/W	3.21	2.81	2.81	2.41	2.81	2.41	2.81	2.41
Heating capacity	kW	22.4	27.0	22.4	27.0	22.4	27.0	22.4	27.0
Capacity range, min.-max.	kW	< 9.8 - 25.0 >	< 9.8 - 31.5 >	< 9.8 - 25.0 >	< 9.8 - 31.5 >	< 9.8 - 25.0 >	< 9.8 - 31.5 >	< 9.8 - 25.0 >	< 9.8 - 31.5 >
Power input, Heating	kW	5.82	7.48	6.40	7.92	6.40	7.92	6.40	7.92
Power input heating, min-max	kW	< 1.90 - 6.78 >	< 1.90 - 10.34 >	< 1.98 - 7.46 >	< 1.98 - 10.95 >	< 1.98 - 7.46 >	< 1.98 - 10.95 >	< 1.98 - 7.46 >	< 1.98 - 10.95 >
EER, Heating	W/W	3.85	3.61	3.50	3.41	3.50	3.41	3.50	3.41
Annual power consumption, cooling	kWh	3120	4095	3560	4775	3560	4775	3560	4775
Energy label, cooling		A	C	C	E	C	E	C	E
Energy label, Heating		A	A	B	B	B	B	B	B
Indoor unit		RAV-SM804UT-E	RAV-SM804UT-E	RAV-SM802BT-E	RAV-SM802BT-E	RAV-SM802CT-E	RAV-SM802CT-E	RAV-SM802KRT-E	RAV-SM802KRT-E
Fan type		turbo fan	turbo fan	Centrifugal fan	Centrifugal fan	Centrifugal fan	Centrifugal fan	Cross flow fan	Cross flow fan
Air flow	H - M - L m3/min	20.5-16.0-13.5	20.5-16.0-13.5	19.0-16.2-13.3	19.0-16.2-13.3	18.5-16.7-14.6	18.5-16.7-14.6	18.5-16.4-12.2	18.5-16.4-12.2
Dimensions, height x width x depth	mm	256x840x840	256x840x840	320x1,000x800	320x1,000x800	210x1,180x680	210x1,180x680	298x998x221	298x998x221
Weight	kg	20	20	39	39	25	25	12	12
Sound pressure level	H - M - L dB	35-31-28	35-31-28	40-37-34	40-37-34	38-36-33	38-36-33	45-41-36	45-41-36
Sound power level	H - M - L dB	50-46-43	50-46-43	55-52-49	55-52-49	53-51-48	53-51-48	60-56-51	60-56-51
Ceiling Panel		RBC-U31PG(W)-E RBC-U31PGS(W)-E , (WS)-E		-	-	-	-	-	-
Panel dimension	mm	30x950x950		-	-	-	-	-	-
Panel weight	kg	4.2		-	-	-	-	-	-
Air filter		attached		-	-	-	-	-	-
Outdoor unit		RAV-SM2244AT8-E	RAV-SM2804AT8-E	RAV-SM2244AT8-E	RAV-SM2804AT8-E	RAV-SM2244AT8-E	RAV-SM2804AT8-E	RAV-SM2244AT8-E	RAV-SM2804AT8-E
Dimensions, height x width x depth	mm	1,540x900x320	1,540x900x320	1,540x900x320	1,540x900x320	1,540x900x320	1,540x900x320	1,540x900x320	1,540x900x320
Weight	kg	134	134	134	134	134	134	134	134
Air flow	m3/min	133	150	133	150	133	150	133	150
Sound pressure level, cooling/heating	dB	56/57	57/58	56/57	57/58	56/57	57/58	56/57	57/58
Sound power level, cooling/heating	dB	72/74	74/75	72/74	74/75	72/74	74/75	72/74	74/75
Refrigerant charge amount in outdoor unit	kg	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Pipe Connections Gas/Liquid	main	mm	28.6/12.7	28.6/12.7	28.6/12.7	28.6/12.7	28.6/12.7	28.6/12.7	28.6/12.7
	branch	mm	15.9/9.5	15.9/9.5	15.9/9.5	15.9/9.5	15.9/9.5	15.9/9.5	15.9/9.5
Maximum height difference	m	30	30	30	30	30	30	30	30
Pipe length , maximum	m	70	70	70	70	70	70	70	70
Pipe length , minimum	m	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Changeless pipe length	m	30	30	30	30	30	30	30	30
Outside air temperature, cooling	degC(DB)	46 ~ -15		46 ~ -15		46 ~ -15		46 ~ -15	
Outside air temperature, heating	degC(WB)	15 ~ -20		15 ~ -20		15 ~ -20		15 ~ -20	

Digital Inverter Big series4 -- double twin combinations

Specification

Indoor type	DI-Big 1:4		DI-Big 1:4		DI-Big 1:4		DI-Big 1:4		DI-Big 1:4		
	4way cassette series4		Duct		Ceiling		Hi Wall		Compact 4way		
	Indoor	RAV-SM564UT-E x4	RAV-SM804UT-E x4	RAV-SM562BT-E x4	RAV-SM802BT-E x4	RAV-SM562CT-E x4	RAV-SM802CT-E x4	RAV-SM562KRT-E x4	RAV-SM802KRT-E x4	RAV-SM562MUT-E x4	RAV-SM564SDT-E x4
	Outdoor	RAV-SM2244AT8-E	RAV-SM2804AT8-E	RAV-SM2244AT8-E	RAV-SM2804AT8-E	RAV-SM2244AT8-E	RAV-SM2804AT8-E	RAV-SM2244AT8-E	RAV-SM2804AT8-E	RAV-SM2244AT8-E	RAV-SM2244AT8-E
Branch kit	RBC-DTWP101E	RBC-DTWP101E	RBC-DTWP101E	RBC-DTWP101E	RBC-DTWP101E	RBC-DTWP101E	RBC-DTWP101E	RBC-DTWP101E	RBC-DTWP101E	RBC-DTWP101E	
Refrigerant	R410A		R410A		R410A		R410A		R410A		
HP	8HP	10HP	8HP	10HP	8HP	10HP	8HP	10HP	8HP	8HP	
Cooling capacity	kW	20.0	23.0	20.0	23.0	20.0	23.0	20.0	23.0	20.0	20.0
Capacity range, min.-max.	kW	< 9.8 - 22.4 >	< 9.8 - 27.0 >	< 9.8 - 22.4 >	< 9.8 - 27.0 >	< 9.8 - 22.4 >	< 9.8 - 27.0 >	< 9.8 - 22.4 >	< 9.8 - 27.0 >	< 9.8 - 22.4 >	< 9.8 - 22.4 >
Power input, cooling	kW	6.24	8.19	7.12	9.55	7.12	9.55	7.12	9.55	7.12	7.12
Power input cooling, min-max	kW	< 2.30 - 8.13 >	< 2.30 - 11.70 >	< 2.37 - 9.28 >	< 2.37 - 13.39 >	< 2.37 - 9.28 >	< 2.37 - 13.39 >	< 2.37 - 9.28 >	< 2.37 - 13.39 >	< 2.37 - 9.28 >	< 2.37 - 9.28 >
EER, cooling	W/W	3.21	2.81	2.81	2.41	2.81	2.41	2.81	2.41	2.81	2.81
Heating capacity	kW	22.4	27.0	22.4	27.0	22.4	27.0	22.4	27.0	22.4	22.4
Capacity range, min.-max.	kW	< 9.8 - 25.0 >	< 9.8 - 31.5 >	< 9.8 - 25.0 >	< 9.8 - 31.5 >	< 9.8 - 25.0 >	< 9.8 - 31.5 >	< 9.8 - 25.0 >	< 9.8 - 31.5 >	< 9.8 - 25.0 >	< 9.8 - 25.0 >
Power input, Heating	kW	5.82	7.48	6.40	7.92	6.40	7.92	6.40	7.92	6.40	6.40
Power input heating, min-max	kW	< 1.90 - 6.78 >	< 1.90 - 10.34 >	< 1.98 - 7.46 >	< 1.98 - 10.95 >	< 1.98 - 7.46 >	< 1.98 - 10.95 >	< 1.98 - 7.46 >	< 1.98 - 10.95 >	< 1.98 - 7.46 >	< 1.98 - 7.46 >
EER, Heating	W/W	3.85	3.61	3.50	3.41	3.50	3.41	3.50	3.41	3.50	3.50
Annual power consumption, cooling	kWh	3120	4095	3560	4775	3560	4775	3560	4775	3560	3560
Energy label, cooling		A	C	C	E	C	E	C	E	C	C
Energy label, Heating		A	A	B	B	B	B	B	B	B	B
Indoor unit		RAV-SM564UT-E	RAV-SM804UT-E	RAV-SM562BT-E	RAV-SM802BT-E	RAV-SM562CT-E	RAV-SM802CT-E	RAV-SM562KRT-E	RAV-SM802KRT-E	RAV-SM562MUT-E	RAV-SM564SDT-E
Fan type		turbo fan	turbo fan	Centrifugal fan	Centrifugal fan	Centrifugal fan	Centrifugal fan	Cross flow fan	Cross flow fan	Cross flow fan	Cross flow fan
Air flow	H - M - L m3/min	17.5-14.5-13.0	20.5-16.0-13.5	13.0-11.9-9.8	19.0-16.2-13.3	13.0-11.2-10.0	18.5-16.7-14.6	14.0-12.5-10.7	18.5-16.4-12.2	13.3-11.2-9.1	13.0-11.3-9.7
Dimensions, height x width x depth	mm	256x840x840	256x840x840	320x700x800	320x1000x800	210x910x680	210x1180x680	298x998x221	298x998x221	268x575x575	210x845x645
Weight	kg	20	20	30	39	21	25	12	12	17	22
Sound pressure level	H - M - L dB	32-29-28	35-31-28	40-37-33	40-37-34	38-33-30	38-36-33	39-36-33	45-41-36	43-39-34	45-40-36
Sound power level	H - M - L dB	47-44-43	50-46-43	55-52-48	55-52-49	51-48-45	53-51-48	54-51-48	60-56-51	58-54-49	60-55-51
Ceiling Panel		RBC-U31PG(W)-E RBC-U31PGS(W)-E , (WS)-E		-	-	-	-	-	-	RBC-UM11PG(W)-E	-
Panel dimension	mm	30x950x950		-	-	-	-	-	-	27x700x700	-
Panel weight	kg	4.2		-	-	-	-	-	-	3.0	-
Air filter		attached		-	-	-	-	-	-	attached	-
Outdoor unit		RAV-SM2244AT8-E	RAV-SM2804AT8-E	RAV-SM2244AT8-E	RAV-SM2804AT8-E	RAV-SM2244AT8-E	RAV-SM2804AT8-E	RAV-SM2244AT8-E	RAV-SM2804AT8-E	RAV-SM2244AT8-E	RAV-SM2244AT8-E
Dimensions, height x width x depth	mm	1,540x900x320	1,540x900x320	1,540x900x320	1,540x900x320	1,540x900x320	1,540x900x320	1,540x900x320	1,540x900x320	1,540x900x320	1,540x900x320
Weight	kg	134	134	134	134	134	134	134	134	134	134
Air flow	m3/min	133	150	133	150	133	150	133	150	133	133
Sound pressure level, cooling/heating	dB	56/57	57/58	56/57	57/58	56/57	57/58	56/57	57/58	56/57	56/57
Sound power level, cooling/heating	dB	72/74	74/75	72/74	74/75	72/74	74/75	72/74	74/75	72/74	72/74
Refrigerant charge amount in outdoor unit	kg	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Pipe Connections Gas/Liquid	main	mm	28.6/12.7	28.6/12.7	28.6/12.7	28.6/12.7	28.6/12.7	28.6/12.7	28.6/12.7	28.6/12.7	28.6/12.7
	1st branch	mm	15.9/9.5	15.9/9.5	15.9/9.5	15.9/9.5	15.9/9.5	15.9/9.5	15.9/9.5	15.9/9.5	15.9/9.5
	2nd branch	mm	12.7/6.3	15.9/9.5	12.7/6.3	15.9/9.5	12.7/6.3	15.9/9.5	15.9/9.5	12.7/6.3	12.7/6.3
Maximum height difference	m	30	30	30	30	30	30	30	30	30	30
Pipe length , maximum	m	70	70	70	70	70	70	70	70	70	70
Pipe length , minimum	m	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Changeless pipe length	m	30	30	30	30	30	30	30	30	30	30
Outside air temperature, cooling	degC(DB)	46 ~ -15		46 ~ -15		46 ~ -15		46 ~ -15		46 ~ -15	
Outside air temperature, heating	degC(WB)	15 ~ -20		15 ~ -20		15 ~ -20		15 ~ -20		15 ~ -20	