

Light Commercial Inverter

Cooling only system

Indoor Unit

RAV-SH1801UP-Q / BA / 2B / OM / AE

RAV-SH2401UP-Q / BA / 2B / OM / AE

RAV-SH3001UP-Q / BA / 2B / OM / AE

RAV-SH3601UP-Q / BA / 2B / OM / AE

RAV-SH4801UP-Q / BA / 2B / OM / AE

RAV-SH1801BP-Q / BA / KW / 2B / OM / AE

RAV-SH2401BP-Q / BA / KW / 2B / OM / AE

RAV-SH3001BP-Q / BA / KW / 2B / OM / AE

RAV-SH3601BP-Q / BA / KW / 2B / OM / AE

RAV-SH4801BP-Q / BA / KW / 2B / OM / AE

RAV-SH6001BP-Q1 / BA1 / KW1 / 2B1 / OM1 / AE1

Outdoor Unit

RAV-SHB1801AP-2B / OM / AE

RAV-SHB2401AP-2B / OM / AE

RAV-SHB3001AP-2B / OM / AE

RAV-SHB3601AP-2B / OM / AE

RAV-SHB4801A8P-2B / OM / AE

RAV-SHB6001A8P-2B / OM / AE

RAV-SH1801AP-Q / BA / KW

RAV-SH2401AP-Q / BA / KW

RAV-SH3001AP-Q / BA / KW

RAV-SH3601AP-Q / BA / KW

RAV-SH4801A8P-Q / BA / KW

RAV-SH6001A8P-Q / BA / KW

RAV-SHU1801AP-2B / OM / AE

RAV-SHU2401AP-2B / OM / AE

RAV-SHU3001AP-2B / OM / AE

RAV-SHU3601AP-2B / OM / AE

RAV-SHU4801A8P-2B / OM / AE

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1. Line-up

Outdoor unit line-up

Model name	Appearance
RAV-SH1801AP* RAV-SHB1801AP* RAV-SHU1801AP*	CDU 2 HP
RAV-SH2401AP* RAV-SHB2401AP* RAV-SHU2401AP*	CDU 3 HP
RAV-SH3001AP* RAV-SHB3001AP* RAV-SHU3001AP* RAV-SH3601AP* RAV-SHB3601AP* RAV-SHU3601AP*	CDU 3.3, 4 HP
RAV-SH4801A8P* RAV-SHB4801A8P* RAV-SHU4801A8P* RAV-SH6001A8P* RAV-SHB6001A8P*	CDU 6, 7 HP

Indoor unit line-up

Capacity Type		2.0	3.0	3.3	4.0	6.0	7.0
4-way Cassette	 4-way cassette	RAV-SH1801UP*	RAV-SH2401UP*	RAV-SH3001UP*	RAV-SH3601UP*	RAV-SH4801UP*	-
Duct	 Duct 2, 3 and 3.3 HP  Duct 4 and 6 HP  Duct 7 HP	RAV-SH1801BP*	RAV-SH2401BP*	RAV-SH3001BP*	RAV-SH3601BP*	RAV-SH4801BP*	RAV-SH6001BP*

2. Indoor Units

2-1. 4-way Cassette Type

2-1-1. Specifications

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2-1-3. Wiring Diagrams

2-1-4. Sensible Capacity Table

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2-1-6. Fan Static Charactic

2-1-7. Sound Characteristics (NC Curve)

2-1-8. Acessories

2-1-1. Specifications

4 - way Cassette Type

Model		Indoor unit		RAV-SH1801UP* (-Q, -BA, -OM, -AE)	RAV-SH2401UP* (-Q, -BA, -OM, -AE)	RAV-SH3001UP* (-Q, -BA, -OM, -AE)	RAV-SH3601UP* (-Q, -BA, -OM, -AE)	RAV-SH4801UP* (-Q, -BA, -OM, -AE)
		Outdoor unit		RAV-SH(U)1801AP* (-Q, -BA, -OM, -AE)	RAV-SH(U)2401AP* (-Q, -BA, -OM, -AE)	RAV-SH(U)3001AP* (-Q, -BA, -OM, -AE)	RAV-SH(U)3601AP* (-Q, -BA, -OM, -AE)	RAV-SH(U)4801A8P* (-Q, -BA, -OM, -AE)
Power supply				1 phase 220V-240V/50Hz, 1phase 220V/60Hz				3Phase 380-415V 50Hz, 380-400V 60Hz
Cooling capacity	T1	Capacity (kW)	5.3 < 1.6 - 6.0 >	7.1 < 2.0 - 8.0 >	8.8 < 3.0 - 10.0 >	10.6 < 3.0 - 11.2 >	12.5 < 4.0 - 15.9 >	
		Power consumption (kW)	1.49	2.06	2.45	2.97	3.62	
		EER (Btu/h.W)	12.20	11.80	12.25	12.20	11.8	
	T3	Capacity (kW)	4.57	6.42	8.09	9.67	11.55	
		Power consumption (kW)	1.68	2.49	2.90	3.62	4.20	
		EER (Btu/h.W)	8.30	8.30	8.30	8.30	8.30	
Indoor unit								
Outer dimension	Main unit	Height (mm)	256	256	319	319	319	
		Width (mm)	840	840	840	840	840	
		Depth (mm)	840	840	840	840	840	
	(Sold separately)	Height (mm)	30	30	30	30	30	
		Width (mm)	950	950	950	950	950	
		Depth (mm)	950	950	950	950	950	
Ceiling panel (Sold separately)			Model : RBC-U31PGXP(W)-IN1					
Total weight	Main unit (kg)	20.0			24.0			
	Ceiling panel (Sold separately) (kg)	4.2						
Fan			Turbo fan					
Standard air flow	H/M/L	(m³/h)	1050 / 870 / 780	1230 / 960 / 810	2100 / 1440 / 1170	2150 / 1500 / 1260	2300 / 1840 / 1500	
Sound pressure level	H/M/L	(dB)	37 / 36 / 34	40 / 37 / 36	46 / 42 / 37	47 / 43 / 39	49 / 45 / 43	
Outdoor unit								
Heat Exchanger			Cu-Al					
Outer dimension	Height (mm)	550	630	890	890	1340		
	Width (mm)	780	800	900	900	900		
	Depth (mm)	290	300	320	320	320		
Total weight	Main unit (kg)	41.0	46.0	69.0	71.0	102.0		
Pipe	Min. length (m)	5	5	5	5	5		
	Max. total length (m)	35	35	35	35	50		
Flare Connections	Gas side (mm)	12.7	15.9	15.9	15.9	15.9		
	Liquid side (mm)	6.4	9.5	9.5	9.5	9.5		
Refrigerant	R410A							
Sound pressure level	Cooling (dB)	47	52	54	57	63		
Operating Range	Cooling (°C)	21 / 54						

*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 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

*2 : 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

4 - way Cassette Type

Model		Indoor unit		RAV-SH1801UP-2B	RAV-SH2401UP-2B	RAV-SH3001UP-2B	RAV-SH3601UP-2B	RAV-SH4801UP-2B
		Outdoor unit		RAV-SHU1801AP-2B	RAV-SHU2401AP-2B	RAV-SHU3001AP-2B	RAV-SHU3601AP-2B	RAV-SHU4801A8P-2B
Power supply				1 phase 220V-240V/50Hz, 1phase 220V/60Hz				3Phase 380-415V 50Hz, 380-400V 60Hz
Cooling capacity	T1	Capacity (kW)	5.28 < 1.6 - 6.0 >	7.05 < 2.0 - 8.0 >	8.80 < 3.0 - 10.0 >	10.6 < 3.0 - 11.2 >	12.5 < 4.0 - 15.9 >	
		Power consumption (kW)	1.49	2.06	2.45	2.97	3.62	
		EER (Btu/h.W)	12.20	11.80	12.25	12.20	11.80	
	T3	Capacity (kW)	4.50	6.06	7.50	9.10	11.00	
		Power consumption (kW)	1.85	2.49	3.09	3.74	4.51	
		EER (Btu/h.W)	8.30	8.30	8.30	8.30	8.30	
Indoor unit								
Outer dimension	Main unit	Height (mm)	256	256	319	319	319	
		Width (mm)	840	840	840	840	840	
		Depth (mm)	840	840	840	840	840	
	Ceiling panel (Sold separately)	Height (mm)	30	30	30	30	30	
		Width (mm)	950	950	950	950	950	
		Depth (mm)	950	950	950	950	950	
Ceiling panel (Sold separately)			Model : RBC-U31PGXP(W)-IN1					
Total weight	Main unit (kg)		20.0		24.0			
	Ceiling panel (Sold separately) (kg)		4.2					
Fan			Turbo fan					
Standard air flow	H/M/L (m³/h)		1050 / 870 / 780	1230 / 960 / 810	2100 / 1440 / 1170	2150 / 1500 / 1260	2300 / 1840 / 1500	
Sound pressure level	H/M/L (dB)		37 / 36 / 34	40 / 37 / 36	46 / 42 / 37	47 / 43 / 39	49 / 45 / 43	
Outdoor unit								
Heat Exchanger			Cu-Al					
Outer dimension	Height (mm)		550	630	890	890	1340	
	Width (mm)		780	800	900	900	900	
	Depth (mm)		290	300	320	320	320	
Total weight	Main unit (kg)		41.0	46.0	69.0	71.0	102.0	
Pipe	Min. length (m)		5	5	5	5	5	
	Max. total length (m)		35	35	35	35	50	
Flare Connections	Gas side (mm)		12.7	15.9	15.9	15.9	15.9	
	Liquid side (mm)		6.4	9.5	9.5	9.5	9.5	
Refrigerant			R410A					
Sound pressure level	Cooling (dB)		47	52	54	57	63	
Operating Range	Cooling (°C)		21 / 54					

*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 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

*2 : 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.

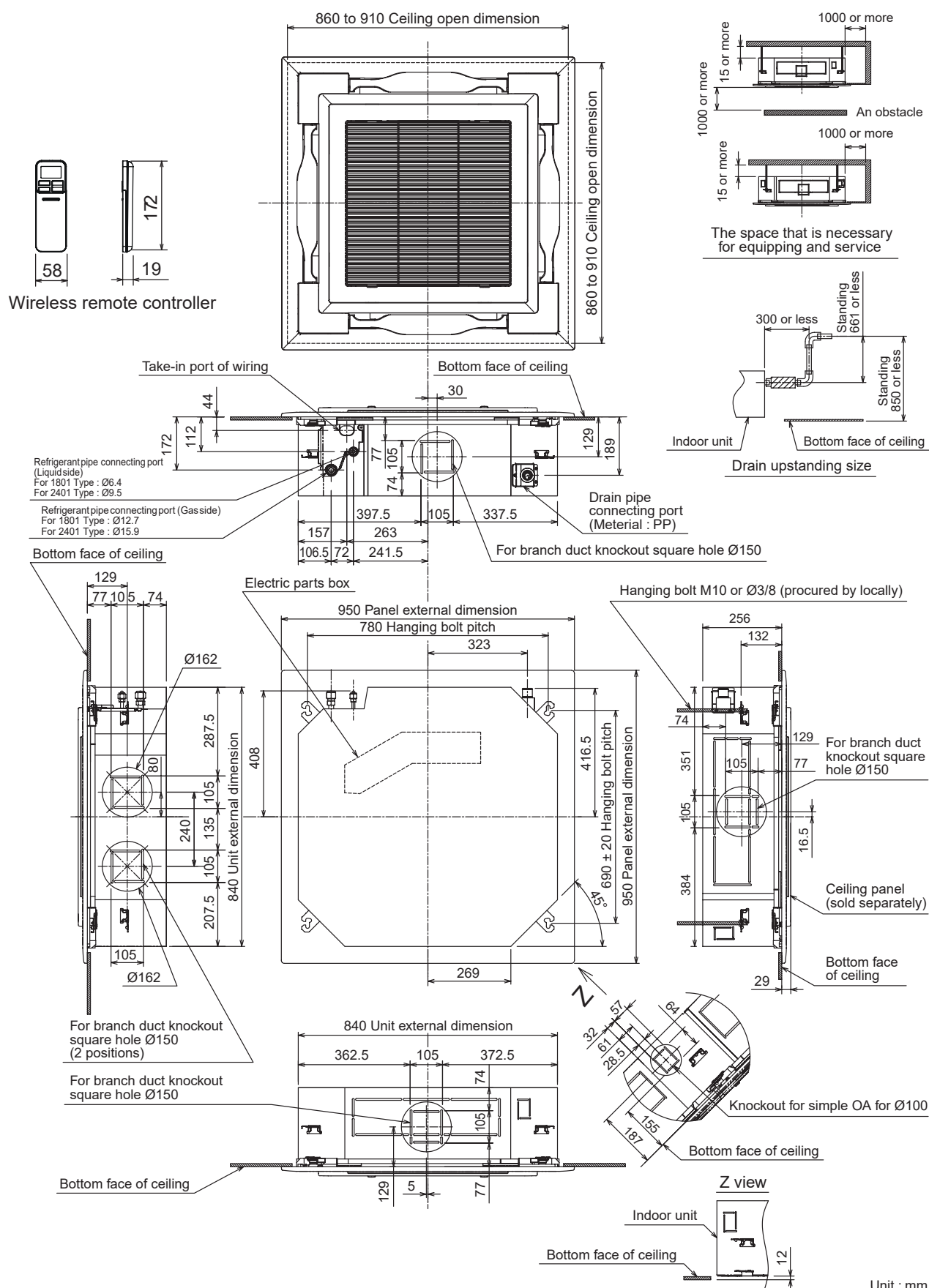
Note :

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

2-1-2. Dimension

RAV-SH1801UP-Q / BA / OM / AE / 2B

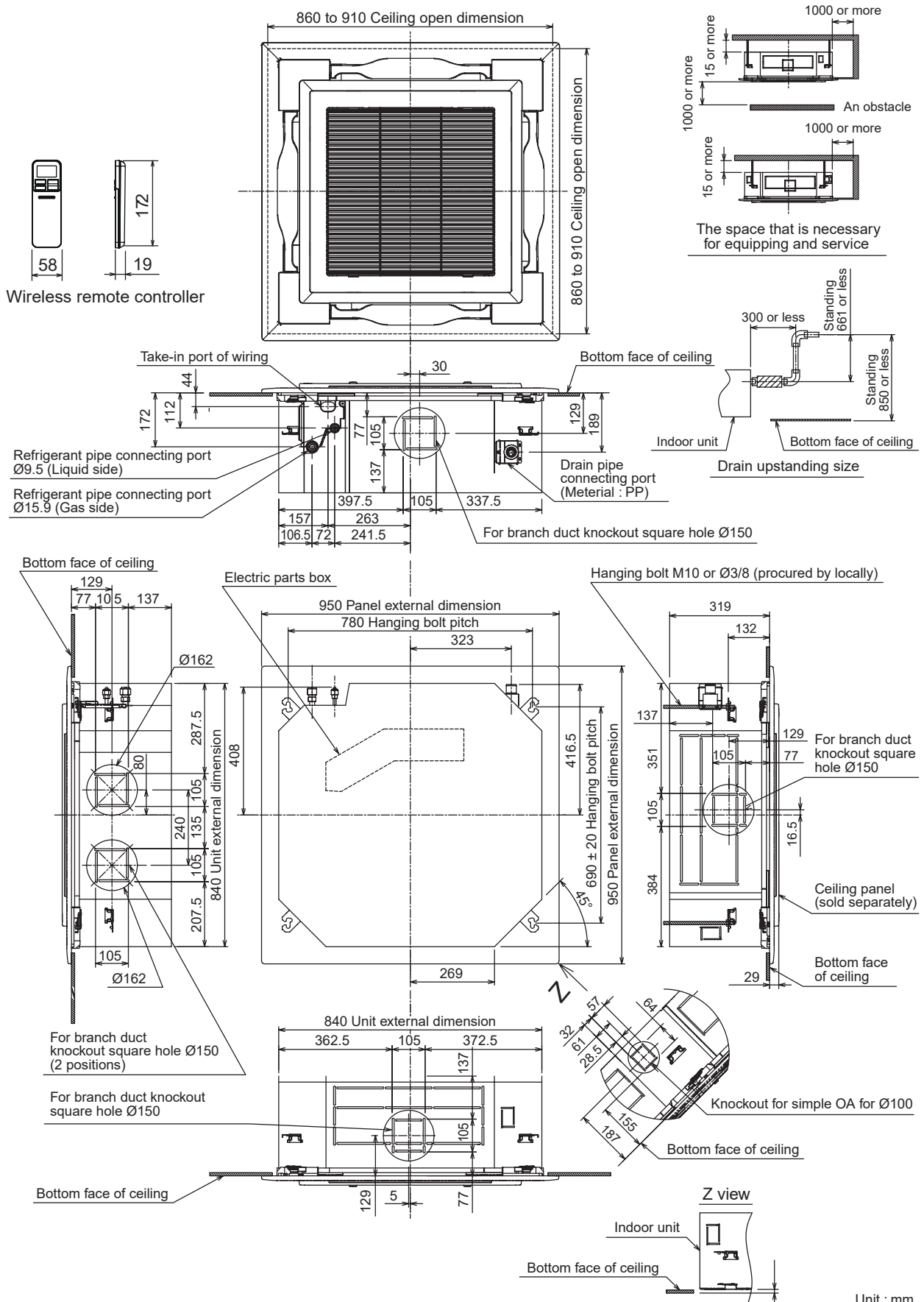
RAV-SH2401UP-Q / BA / OM / AE / 2B



RAV-SH3001UP-Q / BA / OM / AE / 2B

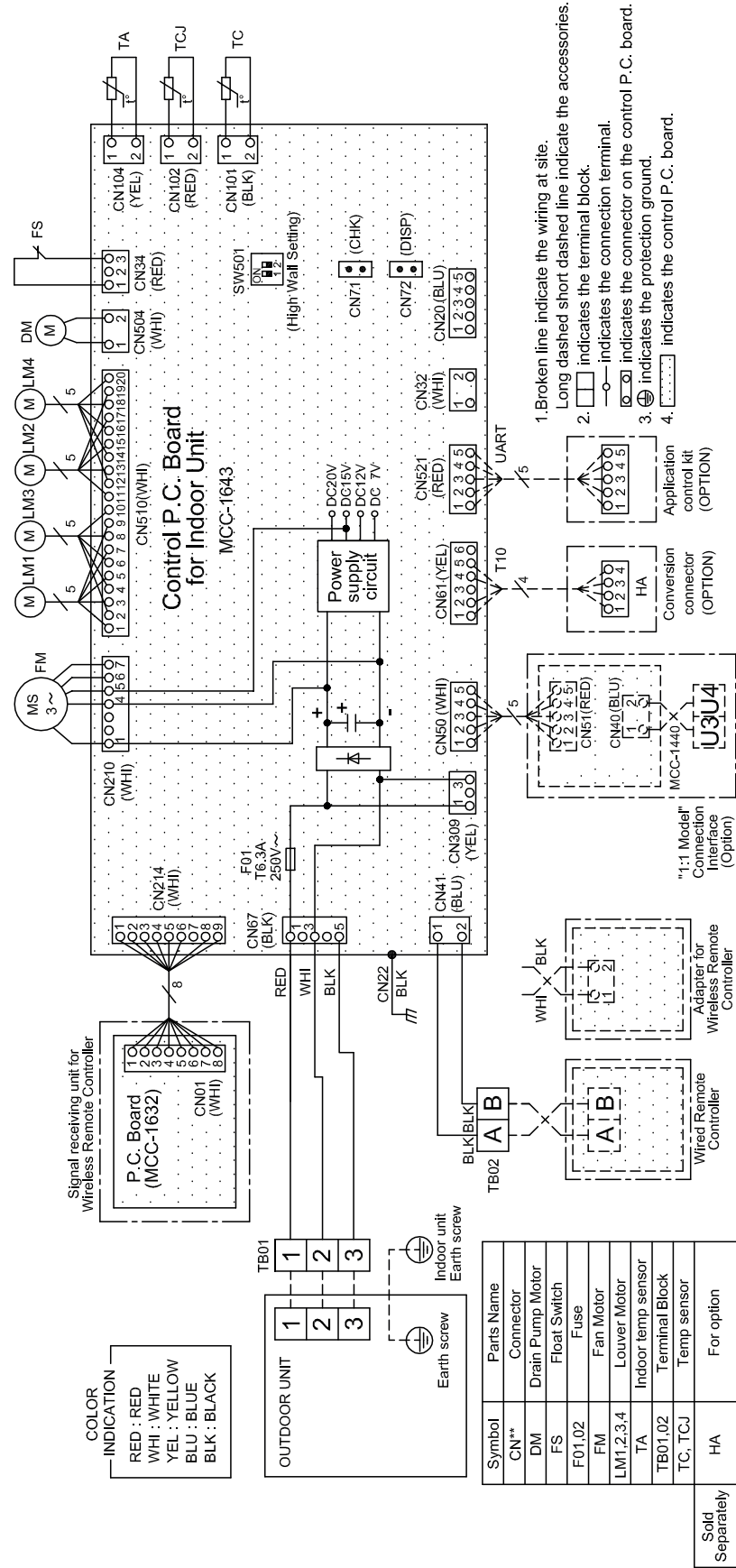
RAV-SH3601UP-Q / BA / OM / AE / 2B

RAV-SH4801UP-Q / BA / OM / AE / 2B



2-1-3. Wiring Diagrams

RAV-SH1801UP-Q / BA / OM / AE / 2B
RAV-SH2401UP-Q / BA / OM / AE / 2B
RAV-SH3001UP-Q / BA / OM / AE / 2B
RAV-SH3601UP-Q / BA / OM / AE / 2B
RAV-SH4801UP-Q / BA / OM / AE / 2B



2-1-4. Sensible Capacity Table

Product models : RAV-SH1801UP-AE : RAV-SHU1801AP-AE,
RAV-SH1801UP-Q : RAV-SH1801AP-Q,

RAV-SH1801UP-OM : RAV-SHU1801AP-OM,
RAV-SH1801UP-BA : RAV-SH1801AP-BA

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	5.30	4.50
Sensible Heat Capacity (SHC)	(kW)	5.04	4.32
Power Input (P)	(kW)	1.485	1.845

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	5.21	5.27	0.99	5.38	5.39	1.00	5.70	5.61	1.01	5.86	5.72	1.02	6.18	5.93	1.03	6.35	6.03	1.04	6.51	6.13	1.05	6.38	6.12	1.04	6.83	6.31	1.06	7.16	6.49	1.07
23.0	5.09	5.15	1.05	5.25	5.26	1.06	5.56	5.48	1.07	5.72	5.59	1.08	6.04	5.79	1.09	6.20	5.89	1.10	6.36	5.98	1.11	6.23	5.98	1.11	6.67	6.16	1.12	6.99	6.34	1.14
25.0	4.97	5.02	1.11	5.12	5.13	1.12	5.43	5.35	1.13	5.58	5.45	1.14	5.89	5.65	1.16	6.05	5.75	1.17	6.20	5.84	1.17	6.08	5.83	1.17	6.51	6.02	1.19	6.82	6.18	1.21
27.0	4.84	4.90	1.17	5.00	5.01	1.18	5.30	5.22	1.20	5.45	5.32	1.20	5.75	5.51	1.22	5.90	5.60	1.23	6.05	5.69	1.24	5.93	5.69	1.24	6.35	5.87	1.25	6.65	6.03	1.27
29.0	4.72	4.77	1.23	4.87	4.88	1.24	5.16	5.08	1.26	5.31	5.18	1.27	5.60	5.37	1.28	5.75	5.46	1.29	5.90	5.55	1.30	5.78	5.55	1.30	6.19	5.72	1.32	6.48	5.88	1.34
31.0	4.60	4.65	1.29	4.74	4.75	1.30	5.03	4.95	1.32	5.17	5.05	1.33	5.46	5.23	1.35	5.60	5.32	1.36	5.74	5.40	1.37	5.63	5.40	1.36	6.03	5.57	1.38	6.31	5.72	1.40
33.0	4.48	4.52	1.35	4.62	4.63	1.36	4.89	4.82	1.38	5.03	4.91	1.39	5.31	5.09	1.41	5.45	5.18	1.42	5.59	5.26	1.43	5.48	5.26	1.43	5.87	5.42	1.45	6.14	5.57	1.47
35.0	4.35	4.40	1.41	4.49	4.50	1.42	4.76	4.69	1.44	4.89	4.78	1.45	5.16	4.95	1.47	5.30	5.04	1.49	5.44	5.12	1.50	5.33	5.11	1.49	5.71	5.27	1.52	5.98	5.42	1.54
37.0	4.23	4.28	1.48	4.36	4.37	1.49	4.62	4.55	1.51	4.76	4.64	1.52	5.02	4.81	1.54	5.15	4.89	1.55	5.28	4.97	1.56	5.18	4.97	1.56	5.54	5.12	1.58	5.81	5.26	1.60
39.0	4.11	4.15	1.54	4.24	4.24	1.55	4.49	4.42	1.57	4.62	4.51	1.58	4.87	4.67	1.60	5.00	4.75	1.61	5.13	4.83	1.62	5.03	4.82	1.62	5.38	4.97	1.65	5.64	5.11	1.67
41.0	3.98	4.03	1.60	4.11	4.12	1.61	4.36	4.29	1.63	4.48	4.37	1.64	4.73	4.53	1.67	4.85	4.61	1.68	4.98	4.68	1.69	4.88	4.68	1.68	5.22	4.83	1.71	5.47	4.96	1.73
43.0	3.86	3.90	1.66	3.98	3.99	1.67	4.22	4.16	1.69	4.34	4.24	1.70	4.58	4.39	1.73	4.70	4.47	1.74	4.82	4.54	1.75	4.73	4.54	1.75	5.06	4.68	1.78	5.30	4.81	1.80
44.0	3.80	3.84	1.69	3.92	3.93	1.70	4.15	4.09	1.72	4.27	4.17	1.74	4.51	4.32	1.76	4.63	4.40	1.77	4.75	4.47	1.78	4.65	4.46	1.78	4.98	4.60	1.81	5.22	4.73	1.83
45.0	3.74	3.78	1.72	3.86	3.86	1.73	4.09	4.03	1.76	4.20	4.10	1.77	4.44	4.25	1.79	4.55	4.32	1.80	4.67	4.39	1.82	4.58	4.39	1.81	4.90	4.53	1.84	5.13	4.65	1.86
46.0	3.68	3.72	1.75	3.79	3.80	1.76	4.02	3.96	1.79	4.13	4.04	1.80	4.36	4.18	1.82	4.48	4.25	1.84	4.59	4.32	1.85	4.50	4.32	1.84	4.82	4.45	1.87	5.05	4.58	1.90
47.0	3.62	3.66	1.78	3.73	3.74	1.79	3.95	3.89	1.82	4.07	3.97	1.83	4.29	4.11	1.86	4.40	4.18	1.87	4.52	4.25	1.88	4.42	4.25	1.88	4.74	4.38	1.91	4.96	4.50	1.93
48.0	3.55	3.59	1.81	3.67	3.67	1.82	3.89	3.83	1.85	4.00	3.90	1.86	4.22	4.04	1.89	4.33	4.11	1.90	4.44	4.18	1.91	4.35	4.18	1.91	4.66	4.30	1.94	4.88	4.42	1.96
49.0	3.49	3.53	1.84	3.60	3.61	1.85	3.82	3.76	1.88	3.93	3.83	1.89	4.14	3.97	1.92	4.25	4.04	1.93	4.36	4.11	1.94	4.27	4.10	1.94	4.58	4.23	1.97	4.80	4.35	2.00
50.0	3.43	3.47	1.87	3.54	3.55	1.88	3.75	3.69	1.91	3.86	3.77	1.92	4.07	3.90	1.95	4.18	3.97	1.96	4.29	4.03	1.98	4.20	4.03	1.97	4.50	4.16	2.00	4.71	4.27	2.03
51.0	3.37	3.41	1.90	3.48	3.48	1.91	3.68	3.63	1.94	3.79	3.70	1.95	4.00	3.83	1.98	4.10	3.90	2.00	4.21	3.96	2.01	4.12	3.96	2.01	4.42	4.08	2.04	4.63	4.19	2.06
52.0	3.33	3.37	1.92	3.44	3.45	1.94	3.65	3.59	1.96	3.75	3.66	1.97	3.96	3.79	1.80	4.06	3.86	1.81	4.16	3.92	1.82	4.08	3.92	1.82	4.37	4.04	1.85	4.58	4.15	1.87
54.0	3.15	3.19	1.72	3.25	3.26	1.74	3.45	3.40	1.76	3.55	3.46	1.77	3.74	3.59	1.80	3.84	3.65	1.81	3.94	3.71	1.82	3.86	3.70	1.82	4.13	3.82	1.85	4.33	3.93	1.87

Product models : RAV-SH1801UP-2B : RAV-SHU1801AP-2B

Specification of product at standard condition

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	5.28	4.50
Sensible Heat Capacity (SHC)	(kW)	5.02	4.32
Power Input (P)	(kW)	1.485	1.845

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	5.18	5.23	0.99	5.34	5.35	1.00	5.66	5.57	1.01	5.82	5.68	1.02	6.14	5.89	1.03	6.30	5.99	1.04	6.46	6.08	1.05	6.33	6.08	1.04	6.78	6.27	1.06	7.11	6.44	1.07
23.0	5.06	5.11	1.05	5.21	5.22	1.06	5.53	5.44	1.07	5.68	5.55	1.08	6.00	5.75	1.09	6.16	5.85	1.10	6.31	5.94	1.11	6.19	5.94	1.11	6.63	6.12	1.12	6.94	6.29	1.14
25.0	4.94	4.99	1.11	5.09	5.10	1.12	5.40	5.31	1.13	5.55	5.42	1.14	5.86	5.61	1.16	6.01	5.71	1.17	6.16	5.80	1.17	6.04	5.80	1.17	6.47	5.98	1.19	6.78	6.14	1.21
27.0	4.82	4.87	1.17	4.97	4.98	1.18	5.27	5.18	1.20	5.41	5.29	1.20	5.71	5.48	1.22	5.86	5.57	1.23	6.01	5.66	1.24	5.89	5.66	1.24	6.31	5.83	1.25	6.61	5.99	1.27
29.0	4.70	4.75	1.23	4.84	4.85	1.24	5.13	5.06	1.26	5.28	5.15	1.27	5.57	5.34	1.28	5.72	5.43	1.29	5.86	5.52	1.30	5.75	5.52	1.30	6.16	5.69	1.32	6.45	5.84	1.34
31.0	4.58	4.63	1.29	4.72	4.73	1.30	5.00	4.93	1.32	5.15	5.02	1.33	5.43	5.21	1.35	5.57	5.29	1.36	5.71	5.38	1.37	5.60	5.38	1.36	6.00	5.54	1.38	6.28	5.70	1.40
33.0	4.46	4.50	1.35	4.60	4.60	1.36	4.87	4.80	1.38	5.01	4.89	1.39	5.29	5.07	1.41	5.43	5.15	1.42	5.56	5.24	1.43	5.45	5.23	1.43	5.84	5.40	1.45	6.12	5.55	1.47
35.0	4.34	4.38	1.41	4.47	4.48	1.42	4.74	4.67	1.44	4.88	4.76	1.45	5.15	4.93	1.47	5.28	5.02	1.49	5.41	5.10	1.50	5.31	5.09	1.49	5.68	5.25	1.52	5.95	5.40	1.54
37.0	4.22	4.26	1.48	4.35	4.36	1.49	4.61	4.54	1.51	4.74	4.63	1.52	5.00	4.80	1.54	5.13	4.88	1.55	5.27	4.96	1.56	5.16	4.95	1.56	5.53	5.11	1.58	5.79	5.25	1.60
39.0	4.10	4.14	1.54	4.22	4.23	1.55	4.48	4.41	1.57	4.61	4.50	1.58	4.86	4.66	1.60	4.99	4.74	1.61	5.12	4.82	1.62	5.01	4.81	1.62	5.37	4.96	1.65	5.62	5.10	1.67
41.0	3.98	4.02	1.60	4.10	4.11	1.61	4.35	4.28	1.63	4.47	4.36	1.64	4.72	4.52	1.67	4.84	4.60	1.68	4.97	4.67	1.69	4.87	4.67	1.68	5.21	4.82	1.71	5.46	4.95	1.73
43.0	3.86	3.90	1.66	3.98	3.99	1.67	4.22	4.15	1.69	4.34	4.23	1.70	4.58	4.39	1.73	4.70	4.46	1.74	4.82	4.53	1.75	4.72	4.53	1.75	5.06	4.67	1.78	5.30	4.80	1.80
44.0	3.80	3.84	1.69	3.92	3.92	1.70	4.15	4.09	1.72	4.27	4.17	1.74	4.51	4.32	1.76	4.62	4.39	1.77	4.74	4.46	1.78	4.65	4.46	1.78	4.98	4.60	1.81	5.21	4.73	1.83
45.0	3.74	3.78	1.72	3.85	3.86	1.73	4.09	4.02	1.76	4.20	4.10	1.77	4.43	4.25	1.79	4.55	4.32	1.80	4.67	4.39	1.82	4.57	4.39	1.81	4.90	4.53	1.84	5.13	4.65	1.86
46.0	3.68	3.72	1.75	3.79	3.80	1.76	4.02	3.96	1.79	4.13	4.04	1.80	4.36	4.18	1.82	4.48	4.25	1.84	4.59	4.32	1.85	4.50	4.32	1.84	4.82	4.45	1.87	5.05	4.58	1.90
47.0	3.62	3.66	1.78	3.73	3.74	1.79	3.96	3.89	1.82	4.07	3.97	1.83	4.29	4.11	1.86	4.40	4.18	1.87	4.52	4.25	1.88	4.43	4.25	1.88	4.74	4.38	1.91	4.97	4.50	1.93
48.0	3.56	3.60	1.81	3.67	3.68	1.82	3.89	3.83	1.85	4.00	3.90	1.86	4.22	4.05	1.89	4.33	4.12	1.90	4.44	4.18	1.91	4.35	4.18	1.91	4.66	4.31	1.94	4.88	4.43	1.96
49.0	3.50	3.54	1.84	3.61	3.61	1.85	3.82	3.77	1.88	3.93	3.84	1.89	4.15	3.98	1.92	4.26	4.05	1.93	4.37	4.11	1.94	4.28	4.11	1.94	4.58	4.24	1.97	4.80	4.35	2.00
50.0	3.44	3.48	1.87	3.54	3.55	1.88	3.76	3.70	1.91	3.87	3.77	1.92	4.08	3.91	1.95	4.19	3.98	1.96	4.29	4.04	1.98	4.21	4.04	1.97	4.51	4.16	2.00	4.72	4.28	2.03
51.0	3.38	3.41	1.90	3.48	3.49	1.91	3.69	3.64	1.94	3.80	3.71	1.95	4.01	3.84	1.98	4.11	3.91	2.00	4.22	3.97	2.01	4.13	3.97	2.01	4.43	4.09	2.04	4.64	4.20	2.06
52.0	3.33	3.37	1.92	3.44	3.45	1.94	3.65	3.59	1.96	3.75	3.66	1.97	3.96	3.79	1.80	4.06	3.86	1.81	4.16	3.92	1.82	4.08	3.92	1.82	4.37	4.04	1.85	4.58	4.15	1.87
54.0	3.15	3.19	1.72	3.25	3.26	1.74	3.45	3.40	1.76	3.55	3.46	1.77	3.74	3.59	1.80	3.84	3.65	1.81	3.94	3.71	1.82	3.86	3.70	1.82	4.13	3.82	1.85	4.33	3.93	1.87

Product models : RAV-SH2401UP-AE : RAV-SHU2401AP-AE,
RAV-SH2401UP-Q : RAV-SH2401AP-Q,

RAV-SH2401UP-OM : RAV-SHU2401AP-OM,
RAV-SH2401UP-BA : RAV-SH2401AP-BA

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	7.10	6.06
Sensible Heat Capacity (SHC)	(kW)	6.75	5.82
Power Input (P)	(kW)	2.055	2.485

Indoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
Outdoor temp	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	6.95	7.03	1.45	7.17	7.18	1.46	7.60	7.48	1.48	7.81	7.63	1.49	8.25	7.91	1.51	8.46	8.04	1.52	8.68	8.17	1.53	8.50	8.16	1.53	9.11	8.42	1.55	9.54	8.65	1.58
23.0	6.79	6.86	1.52	7.00	7.02	1.53	7.42	7.31	1.56	7.63	7.45	1.57	8.06	7.72	1.59	8.27	7.85	1.60	8.48	7.98	1.61	8.31	7.98	1.61	8.90	8.22	1.63	9.32	8.45	1.65
25.0	6.63	6.70	1.60	6.84	6.85	1.61	7.25	7.14	1.63	7.46	7.28	1.64	7.87	7.54	1.66	8.07	7.67	1.68	8.28	7.79	1.69	8.11	7.79	1.68	8.69	8.03	1.71	9.10	8.25	1.73
27.0	6.47	6.54	1.67	6.67	6.69	1.68	7.07	6.97	1.70	7.28	7.10	1.72	7.68	7.36	1.74	7.88	7.48	1.75	8.08	7.61	1.76	7.92	7.60	1.76	8.48	7.84	1.79	8.88	8.05	1.81
29.0	6.31	6.38	1.74	6.51	6.52	1.75	6.90	6.79	1.78	7.10	6.93	1.79	7.49	7.18	1.81	7.68	7.30	1.83	7.88	7.42	1.84	7.72	7.41	1.84	8.27	7.64	1.86	8.66	7.85	1.89
31.0	6.15	6.22	1.81	6.34	6.36	1.83	6.72	6.62	1.85	6.92	6.75	1.86	7.30	7.00	1.89	7.49	7.11	1.90	7.68	7.23	1.92	7.53	7.23	1.91	8.06	7.45	1.94	8.44	7.66	1.97
33.0	5.99	6.06	1.89	6.18	6.19	1.90	6.55	6.45	1.93	6.74	6.57	1.94	7.11	6.81	1.97	7.29	6.93	1.98	7.48	7.04	1.99	7.33	7.04	1.99	7.85	7.26	2.02	8.23	7.46	2.05
35.0	5.83	5.89	1.96	6.01	6.03	1.97	6.38	6.28	2.00	6.56	6.40	2.01	6.92	6.63	2.04	7.10	6.75	2.06	7.28	6.85	2.07	7.14	6.85	2.07	7.64	7.06	2.10	8.01	7.26	2.12
37.0	5.67	5.73	2.03	5.85	5.86	2.04	6.20	6.11	2.07	6.38	6.22	2.09	6.73	6.45	2.12	6.91	6.56	2.13	7.08	6.67	2.15	6.94	6.66	2.14	7.43	6.87	2.17	7.79	7.06	2.20
39.0	5.51	5.57	2.10	5.68	5.70	2.12	6.03	5.93	2.15	6.20	6.05	2.16	6.54	6.27	2.19	6.71	6.38	2.21	6.88	6.48	2.22	6.74	6.47	2.22	7.22	6.67	2.25	7.57	6.86	2.28
41.0	5.35	5.41	2.17	5.52	5.53	2.19	5.85	5.76	2.22	6.02	5.87	2.24	6.35	6.09	2.27	6.52	6.19	2.28	6.68	6.29	2.30	6.55	6.29	2.29	7.01	6.48	2.33	7.35	6.66	2.36
43.0	5.19	5.25	2.25	5.35	5.37	2.26	5.68	5.59	2.29	5.84	5.70	2.31	6.16	5.91	2.34	6.32	6.01	2.36	6.48	6.10	2.37	6.35	6.10	2.37	6.81	6.29	2.41	7.13	6.46	2.44
44.0	5.11	5.17	2.28	5.27	5.28	2.30	5.59	5.50	2.33	5.75	5.61	2.35	6.07	5.81	2.38	6.22	5.91	2.40	6.38	6.01	2.41	6.26	6.01	2.41	6.70	6.19	2.45	7.02	6.36	2.48
45.0	5.03	5.09	2.32	5.19	5.20	2.34	5.50	5.42	2.37	5.66	5.52	2.39	5.97	5.72	2.42	6.13	5.82	2.43	6.28	5.91	2.45	6.16	5.91	2.45	6.60	6.09	2.48	6.91	6.26	2.52
46.0	4.95	5.01	2.36	5.11	5.12	2.37	5.41	5.33	2.41	5.57	5.43	2.42	5.88	5.63	2.46	6.03	5.73	2.47	6.18	5.82	2.49	6.06	5.82	2.48	6.49	6.00	2.52	6.80	6.16	2.56
47.0	4.87	4.93	2.39	5.02	5.03	2.41	5.33	5.25	2.44	5.48	5.35	2.46	5.78	5.54	2.49	5.93	5.64	2.51	6.08	5.73	2.53	5.96	5.72	2.52	6.39	5.90	2.56	6.69	6.06	2.60
48.0	4.09	4.13	1.95	4.22	4.23	1.97	4.47	4.40	1.99	4.60	4.49	2.01	4.85	4.65	2.04	4.98	4.73	2.05	5.11	4.81	2.06	5.00	4.80	2.06	5.36	4.95	2.09	5.62	5.09	2.12
49.0	3.98	4.03	1.95	4.11	4.12	1.97	4.36	4.29	1.99	4.48	4.37	2.01	4.73	4.53	2.04	4.85	4.61	2.05	4.97	4.68	2.06	4.87	4.68	2.06	5.22	4.82	2.09	5.47	4.96	2.12
50.0	2.71	2.74	1.37	2.79	2.80	1.38	2.96	2.92	1.40	3.05	2.97	1.41	3.22	3.08	1.43	3.30	3.14	1.44	3.38	3.19	1.45	3.32	3.18	1.45	3.55	3.28	1.47	3.72	3.37	1.49
51.0	2.64	2.67	1.37	2.72	2.72	1.38	2.88	2.84	1.40	2.96	2.89	1.41	3.13	3.00	1.43	3.21	3.05	1.44	3.29	3.10	1.45	3.23	3.10	1.45	3.46	3.19	1.47	3.62	3.28	1.49
52.0	2.56	2.59	1.37	2.64	2.65	1.38	2.80	2.76	1.40	2.88	2.81	1.41	3.04	2.91	1.43	3.12	2.96	1.44	3.20	3.01	1.45	3.14	3.01	1.45	3.36	3.10	1.47	3.52	3.19	1.49
54.0	1.60	1.62	1.37	1.65	1.65	1.38	1.75	1.72	1.40	1.80	1.76	1.41	1.90	1.82	1.43	1.95	1.85	1.44	2.00	1.88	1.45	1.96	1.88	1.45	2.10	1.94	1.47	2.20	1.99	1.49

Product models : RAV-SH2401UP-2B : RAV-SHU2401AP-2B

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	7.05	6.06
Sensible Heat Capacity (SHC)	(kW)	6.70	5.82
Power Input (P)	(kW)	2.055	2.485

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	6.86	6.93	1.45	7.07	7.09	1.46	7.50	7.38	1.48	7.71	7.52	1.49	8.14	7.80	1.51	8.35	7.93	1.52	8.56	8.06	1.53	8.39	8.05	1.53	8.99	8.30	1.55	9.41	8.53	1.58
23.0	6.71	6.78	1.52	6.91	6.93	1.53	7.33	7.22	1.56	7.54	7.36	1.57	7.95	7.63	1.59	8.16	7.75	1.60	8.37	7.88	1.61	8.20	7.88	1.61	8.79	8.12	1.63	9.20	8.34	1.65
25.0	6.55	6.62	1.60	6.76	6.77	1.61	7.16	7.05	1.63	7.37	7.19	1.64	7.77	7.45	1.66	7.98	7.58	1.68	8.18	7.70	1.69	8.02	7.70	1.68	8.59	7.93	1.71	9.00	8.15	1.73
27.0	6.40	6.47	1.67	6.60	6.61	1.68	7.00	6.89	1.70	7.20	7.02	1.72	7.59	7.28	1.74	7.79	7.40	1.75	7.99	7.52	1.76	7.83	7.52	1.76	8.39	7.75	1.79	8.79	7.97	1.81
29.0	6.25	6.32	1.74	6.44	6.46	1.75	6.83	6.73	1.78	7.02	6.86	1.79	7.41	7.11	1.81	7.61	7.23	1.83	7.80	7.34	1.84	7.64	7.34	1.84	8.19	7.57	1.86	8.58	7.78	1.89
31.0	6.10	6.16	1.81	6.28	6.30	1.83	6.66	6.56	1.85	6.85	6.69	1.86	7.23	6.93	1.89	7.42	7.05	1.90	7.61	7.16	1.92	7.46	7.16	1.91	7.99	7.38	1.94	8.37	7.59	1.97
33.0	5.94	6.01	1.89	6.13	6.14	1.90	6.50	6.40	1.93	6.68	6.52	1.94	7.05	6.76	1.97	7.24	6.87	1.98	7.42	6.98	1.99	7.27	6.98	1.99	7.79	7.20	2.02	8.16	7.40	2.05
35.0	5.79	5.85	1.96	5.97	5.98	1.97	6.33	6.23	2.00	6.51	6.35	2.01	6.87	6.59	2.04	7.05	6.70	2.06	7.23	6.81	2.07	7.09	6.80	2.07	7.59	7.01	2.10	7.95	7.21	2.12
37.0	5.64	5.70	2.03	5.81	5.83	2.04	6.16	6.07	2.07	6.34	6.19	2.09	6.69	6.41	2.12	6.86	6.52	2.13	7.04	6.63	2.15	6.90	6.62	2.14	7.39	6.83	2.17	7.74	7.02	2.20
39.0	5.49	5.55	2.10	5.66	5.67	2.12	6.00	5.91	2.15	6.17	6.02	2.16	6.51	6.24	2.19	6.68	6.35	2.21	6.85	6.45	2.22	6.71	6.44	2.22	7.19	6.64	2.25	7.53	6.83	2.28
41.0	5.33	5.39	2.17	5.50	5.51	2.19	5.83	5.74	2.22	6.00	5.85	2.24	6.33	6.07	2.27	6.49	6.17	2.28	6.66	6.27	2.30	6.53	6.26	2.29	6.99	6.46	2.33	7.32	6.64	2.36
43.0	5.18	5.24	2.25	5.34	5.35	2.26	5.66	5.58	2.29	5.83	5.69	2.31	6.15	5.89	2.34	6.31	5.99	2.36	6.47	6.09	2.37	6.34	6.09	2.37	6.79	6.27	2.41	7.11	6.45	2.44
44.0	5.11	5.16	2.28	5.26	5.27	2.30	5.58	5.50	2.33	5.74	5.60	2.35	6.06	5.81	2.38	6.22	5.90	2.40	6.37	6.00	2.41	6.25	6.00	2.41	6.69	6.18	2.45	7.01	6.35	2.48
45.0	5.03	5.08	2.32	5.19	5.20	2.34	5.50	5.41	2.37	5.65	5.52	2.39	5.97	5.72	2.42	6.12	5.82	2.43	6.28	5.91	2.45	6.15	5.91	2.45	6.59	6.09	2.48	6.90	6.26	2.52
46.0	4.95	5.01	2.36	5.11	5.12	2.37	5.41	5.33	2.41	5.57	5.43	2.42	5.88	5.63	2.46	6.03	5.73	2.47	6.18	5.82	2.49	6.06	5.82	2.48	6.49	6.00	2.52	6.80	6.16	2.56
47.0	4.88	4.93	2.39	5.03	5.04	2.41	5.33	5.25	2.44	5.48	5.35	2.46	5.79	5.55	2.49	5.94	5.64	2.51	6.09	5.73	2.53	5.97	5.73	2.52	6.39	5.91	2.56	6.69	6.07	2.60
48.0	4.09	4.13	1.95	4.22	4.23	1.97	4.47	4.40	1.99	4.60	4.49	2.01	4.85	4.65	2.04	4.98	4.73	2.05	5.11	4.81	2.06	5.00	4.80	2.06	5.36	4.95	2.09	5.62	5.09	2.12
49.0	3.98	4.03	1.95	4.11	4.12	1.97	4.36	4.29	1.99	4.48	4.37	2.01	4.73	4.53	2.04	4.85	4.61	2.05	4.97	4.68	2.06	4.87	4.68	2.06	5.22	4.82	2.09	5.47	4.96	2.12
50.0	2.71	2.74	1.37	2.79	2.80	1.38	2.96	2.92	1.40	3.05	2.97	1.41	3.22	3.08	1.43	3.30	3.14	1.44	3.38	3.19	1.45	3.32	3.18	1.45	3.55	3.28	1.47	3.72	3.37	1.49
51.0	2.64	2.67	1.37	2.72	2.72	1.38	2.88	2.84	1.40	2.96	2.89	1.41	3.13	3.00	1.43	3.21	3.05	1.44	3.29	3.10	1.45	3.23	3.10	1.45	3.46	3.19	1.47	3.62	3.28	1.49
52.0	2.56	2.59	1.37	2.64	2.65	1.38	2.80	2.76	1.40	2.88	2.81	1.41	3.04	2.91	1.43	3.12	2.96	1.44	3.20	3.01	1.45	3.14	3.01	1.45	3.36	3.10	1.47	3.52	3.19	1.49
54.0	1.60	1.62	1.37	1.65	1.65	1.38	1.75	1.72	1.40	1.80	1.76	1.41	1.90	1.82	1.43	1.95	1.85	1.44	2.00	1.88	1.45	1.96	1.88	1.45	2.10	1.94	1.47	2.20	1.99	1.49

Product models : RAV-SH3001UP-AE : RAV-SHU3001AP-AE,
RAV-SH3001UP-Q : RAV-SH3001AP-Q,

RAV-SH3001UP-OM : RAV-SHU3001AP-OM,
RAV-SH3001UP-BA : RAV-SH3001AP-BA

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	8.80	7.50
Sensible Heat Capacity (SHC)	(kW)	8.10	7.43
Power Input (P)	(kW)	2.450	3.085

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	8.63	8.46	1.58	8.89	8.65	1.59	9.43	9.00	1.62	9.70	9.18	1.63	10.23	9.50	1.65	10.50	9.66	1.66	10.77	9.82	1.67	10.55	10.45	1.67	11.31	10.11	1.70	11.84	10.38	1.72
23.0	8.43	8.27	1.69	8.69	8.45	1.70	9.21	8.80	1.73	9.47	8.96	1.74	10.00	9.28	1.76	10.26	9.44	1.77	10.52	9.59	1.79	10.31	10.21	1.78	11.04	9.87	1.81	11.57	10.14	1.83
25.0	8.23	8.07	1.80	8.48	8.25	1.81	8.99	8.59	1.84	9.25	8.75	1.85	9.76	9.06	1.87	10.02	9.21	1.89	10.27	9.36	1.90	10.07	9.97	1.90	10.78	9.64	1.92	11.29	9.90	1.95
27.0	8.03	7.87	1.90	8.28	8.05	1.92	8.78	8.38	1.95	9.02	8.54	1.96	9.52	8.84	1.99	9.77	8.99	2.00	10.02	9.13	2.01	9.82	9.72	2.01	10.52	9.40	2.04	11.02	9.66	2.07
29.0	7.83	7.68	2.01	8.07	7.85	2.03	8.56	8.17	2.05	8.80	8.33	2.07	9.29	8.62	2.10	9.53	8.77	2.11	9.77	8.91	2.13	9.58	9.48	2.12	10.26	9.17	2.15	10.75	9.42	2.18
31.0	7.63	7.48	2.12	7.86	7.65	2.13	8.34	7.96	2.16	8.58	8.11	2.18	9.05	8.40	2.21	9.29	8.54	2.22	9.52	8.68	2.24	9.33	9.24	2.24	10.00	8.94	2.27	10.47	9.18	2.30
33.0	7.43	7.29	2.23	7.66	7.45	2.24	8.12	7.75	2.27	8.35	7.90	2.29	8.81	8.18	2.32	9.04	8.32	2.34	9.27	8.45	2.35	9.09	9.00	2.35	9.74	8.70	2.38	10.20	8.94	2.42
35.0	7.23	7.09	2.33	7.45	7.25	2.35	7.90	7.54	2.38	8.13	7.69	2.40	8.58	7.96	2.43	8.80	8.10	2.45	9.02	8.22	2.47	8.84	8.76	2.46	9.47	8.47	2.50	9.92	8.70	2.53
37.0	7.03	6.89	2.44	7.25	7.04	2.46	7.68	7.34	2.49	7.90	7.48	2.51	8.34	7.74	2.55	8.56	7.87	2.56	8.78	8.00	2.58	8.60	8.51	2.58	9.21	8.23	2.61	9.65	8.46	2.65
39.0	6.83	6.70	2.55	7.04	6.84	2.57	7.47	7.13	2.60	7.68	7.26	2.62	8.10	7.52	2.66	8.31	7.65	2.68	8.53	7.77	2.69	8.36	8.27	2.69	8.95	8.00	2.73	9.37	8.22	2.77
41.0	6.63	6.50	2.66	6.83	6.64	2.67	7.25	6.92	2.71	7.45	7.05	2.73	7.86	7.30	2.77	8.07	7.42	2.79	8.28	7.54	2.81	8.11	8.03	2.80	8.69	7.77	2.84	9.10	7.98	2.88
43.0	6.43	6.31	2.76	6.63	6.44	2.78	7.03	6.71	2.82	7.23	6.84	2.84	7.63	7.08	2.88	7.83	7.20	2.90	8.03	7.32	2.92	7.87	7.79	2.92	8.43	7.53	2.96	8.83	7.74	3.00
44.0	6.33	6.21	2.82	6.53	6.34	2.84	6.92	6.61	2.88	7.12	6.73	2.90	7.51	6.97	2.94	7.71	7.09	2.96	7.90	7.20	2.98	7.74	7.67	2.97	8.30	7.42	3.02	8.69	7.62	3.06
45.0	6.23	6.11	2.87	6.42	6.24	2.89	6.81	6.50	2.93	7.00	6.63	2.95	7.39	6.86	2.99	7.58	6.98	3.01	7.78	7.09	3.03	7.62	7.55	3.03	8.16	7.30	3.07	8.55	7.50	3.12
46.0	6.13	6.01	2.92	6.32	6.14	2.95	6.70	6.40	2.99	6.89	6.52	3.01	7.27	6.75	3.05	7.46	6.87	3.07	7.65	6.97	3.09	7.50	7.42	3.08	8.03	7.18	3.13	8.41	7.38	3.17
47.0	6.03	5.91	2.98	6.22	6.04	3.00	6.59	6.29	3.04	6.78	6.41	3.06	7.15	6.64	3.10	7.34	6.75	3.13	7.53	6.86	3.15	7.38	7.30	3.14	7.90	7.06	3.19	8.28	7.26	3.23
48.0	5.93	5.82	3.03	6.11	5.94	3.05	6.48	6.19	3.10	6.67	6.31	3.12	7.04	6.53	3.16	7.22	6.64	3.18	7.40	6.75	3.20	7.26	7.18	3.20	7.77	6.95	3.25	8.14	7.14	3.29
49.0	5.83	5.72	3.09	6.01	5.84	3.11	6.37	6.08	3.15	6.55	6.20	3.17	6.92	6.42	3.22	7.10	6.53	3.24	7.28	6.63	3.26	7.13	7.06	3.25	7.64	6.83	3.30	8.00	7.02	3.35
50.0	5.73	5.62	3.14	5.91	5.74	3.16	6.26	5.98	3.21	6.44	6.09	3.23	6.80	6.31	3.27	6.98	6.42	3.29	7.15	6.52	3.32	7.01	6.94	3.31	7.51	6.71	3.36	7.87	6.90	3.41
51.0	5.63	5.52	3.19	5.81	5.64	3.22	6.15	5.88	3.26	6.33	5.99	3.28	6.68	6.20	3.33	6.85	6.31	3.35	7.03	6.41	3.37	6.89	6.82	3.37	7.38	6.60	3.42	7.73	6.78	3.46
52.0	5.53	5.42	3.25	5.70	5.54	3.27	6.05	5.77	3.32	6.22	5.88	3.34	6.56	6.09	3.38	6.73	6.19	3.41	6.90	6.29	3.43	6.77	6.70	3.42	7.25	6.48	3.48	7.59	6.65	3.52
54.0	5.33	5.23	3.35	5.50	5.34	3.38	5.83	5.56	3.43	5.99	5.67	3.45	6.32	5.87	3.50	6.49	5.97	3.52	6.66	6.07	3.54	6.52	6.46	3.54	6.99	6.25	3.59	7.32	6.41	3.64

Product models : RAV-SH3001UP-2B : RAV-SHU3001AP-2B

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	8.80	7.50
Sensible Heat Capacity (SHC)	(kW)	8.10	7.43
Power Input (P)	(kW)	2.450	3.085

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	8.63	8.46	1.58	8.89	8.65	1.59	9.43	9.00	1.62	9.70	9.18	1.63	10.23	9.50	1.65	10.50	9.66	1.66	10.77	9.82	1.67	10.55	10.45	1.67	11.31	10.11	1.70	11.84	10.38	1.72
23.0	8.43	8.27	1.69	8.69	8.45	1.70	9.21	8.80	1.73	9.47	8.96	1.74	10.00	9.28	1.76	10.26	9.44	1.77	10.52	9.59	1.79	10.31	10.21	1.78	11.04	9.87	1.81	11.57	10.14	1.83
25.0	8.23	8.07	1.80	8.48	8.25	1.81	8.99	8.59	1.84	9.25	8.75	1.85	9.76	9.06	1.87	10.02	9.21	1.89	10.27	9.36	1.90	10.07	9.97	1.90	10.78	9.64	1.92	11.29	9.90	1.95
27.0	8.03	7.87	1.90	8.28	8.05	1.92	8.78	8.38	1.95	9.02	8.54	1.96	9.52	8.84	1.99	9.77	8.99	2.00	10.02	9.13	2.01	9.82	9.72	2.01	10.52	9.40	2.04	11.02	9.66	2.07
29.0	7.83	7.68	2.01	8.07	7.85	2.03	8.56	8.17	2.05	8.80	8.33	2.07	9.29	8.62	2.10	9.53	8.77	2.11	9.77	8.91	2.13	9.58	9.48	2.12	10.26	9.17	2.15	10.75	9.42	2.18
31.0	7.63	7.48	2.12	7.86	7.65	2.13	8.34	7.96	2.16	8.58	8.11	2.18	9.05	8.40	2.21	9.29	8.54	2.22	9.52	8.68	2.24	9.33	9.24	2.24	10.00	8.94	2.27	10.47	9.18	2.30
33.0	7.43	7.29	2.23	7.66	7.45	2.24	8.12	7.75	2.27	8.35	7.90	2.29	8.81	8.18	2.32	9.04	8.32	2.34	9.27	8.45	2.35	9.09	9.00	2.35	9.74	8.70	2.38	10.20	8.94	2.42
35.0	7.23	7.09	2.33	7.45	7.25	2.35	7.90	7.54	2.38	8.13	7.69	2.40	8.58	7.96	2.43	8.80	8.10	2.45	9.02	8.22	2.47	8.84	8.76	2.46	9.47	8.47	2.50	9.92	8.70	2.53
37.0	7.03	6.89	2.44	7.25	7.04	2.46	7.68	7.34	2.49	7.90	7.48	2.51	8.34	7.74	2.55	8.56	7.87	2.56	8.78	8.00	2.58	8.60	8.51	2.58	9.21	8.23	2.61	9.65	8.46	2.65
39.0	6.83	6.70	2.55	7.04	6.84	2.57	7.47	7.13	2.60	7.68	7.26	2.62	8.10	7.52	2.66	8.31	7.65	2.68	8.53	7.77	2.69	8.36	8.27	2.69	8.95	8.00	2.73	9.37	8.22	2.77
41.0	6.63	6.50	2.66	6.83	6.64	2.67	7.25	6.92	2.71	7.45	7.05	2.73	7.86	7.30	2.77	8.07	7.42	2.79	8.28	7.54	2.81	8.11	8.03	2.80	8.69	7.77	2.84	9.10	7.98	2.88
43.0	6.43	6.31	2.76	6.63	6.44	2.78	7.03	6.71	2.82	7.23	6.84	2.84	7.63	7.08	2.88	7.83	7.20	2.90	8.03	7.32	2.92	7.87	7.79	2.92	8.43	7.53	2.96	8.83	7.74	3.00
44.0	6.33	6.21	2.82	6.53	6.34	2.84	6.92	6.61	2.88	7.12	6.73	2.90	7.51	6.97	2.94	7.71	7.09	2.96	7.90	7.20	2.98	7.74	7.67	2.97	8.30	7.42	3.02	8.69	7.62	3.06
45.0	6.23	6.11	2.87	6.42	6.24	2.89	6.81	6.50	2.93	7.00	6.63	2.95	7.39	6.86	2.99	7.58	6.98	3.01	7.78	7.09	3.03	7.62	7.55	3.03	8.16	7.30	3.07	8.55	7.50	3.12
46.0	6.13	6.01	2.92	6.32	6.14	2.95	6.70	6.40	2.99	6.89	6.52	3.01	7.27	6.75	3.05	7.46	6.87	3.07	7.65	6.97	3.09	7.50	7.42	3.08	8.03	7.18	3.13	8.41	7.38	3.17
47.0	6.03	5.91	2.98	6.22	6.04	3.00	6.59	6.29	3.04	6.78	6.41	3.06	7.15	6.64	3.10	7.34	6.75	3.13	7.53	6.86	3.15	7.38	7.30	3.14	7.90	7.06	3.19	8.28	7.26	3.23
48.0	5.93	5.82	3.03	6.11	5.94	3.05	6.48	6.19	3.10	6.67	6.31	3.12	7.04	6.53	3.16	7.22	6.64	3.18	7.40	6.75	3.20	7.26	7.18	3.20	7.77	6.95	3.25	8.14	7.14	3.29
49.0	5.83	5.72	3.09	6.01	5.84	3.11	6.37	6.08	3.15	6.55	6.20	3.17	6.92	6.42	3.22	7.10	6.53	3.24	7.28	6.63	3.26	7.13	7.06	3.25	7.64	6.83	3.30	8.00	7.02	3.35
50.0	5.73	5.62	3.14	5.91	5.74	3.16	6.26	5.98	3.21	6.44	6.09	3.23	6.80	6.31	3.27	6.98	6.42	3.29	7.15	6.52	3.32	7.01	6.94	3.31	7.51	6.71	3.36	7.87	6.90	3.41
51.0	5.63	5.52	3.19	5.81	5.64	3.22	6.15	5.88	3.26	6.33	5.99	3.28	6.68	6.20	3.33	6.85	6.31	3.35	7.03	6.41	3.37	6.89	6.82	3.37	7.38	6.60	3.42	7.73	6.78	3.46
52.0	5.53	5.42	3.25	5.70	5.54	3.27	6.05	5.77	3.32	6.22	5.88	3.34	6.56	6.09	3.38	6.73	6.19	3.41	6.90	6.29	3.43	6.77	6.70	3.42	7.25	6.48	3.48	7.59	6.65	3.52
54.0	5.33	5.23	3.35	5.50	5.34	3.38	5.83	5.56	3.43	5.99	5.67	3.45	6.32	5.87	3.50	6.49	5.97	3.52	6.66	6.07	3.54	6.52	6.46	3.54	6.99	6.25	3.59	7.32	6.41	3.64

Product models : RAV-SH3601UP-AE : RAV-SHU3601AP-AE, RAV-SH3601UP-OM : RAV-SHU3601AP-OM,
 RAV-SH3601UP-Q : RAV-SH3601AP-Q, RAV-SH3601UP-BA : RAV-SH3601AP-BA

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	10.60	9.10
Sensible Heat Capacity (SHC)	(kW)	9.60	9.00
Power Input (P)	(kW)	2.970	3.735

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	10.32	9.98	1.92	10.64	10.19	1.94	11.28	10.61	1.97	11.61	10.81	1.98	12.25	11.20	2.01	12.57	11.38	2.02	12.89	11.56	2.03	12.63	12.49	2.03	13.53	11.90	2.06	14.17	12.22	2.09
23.0	10.09	9.75	2.05	10.41	9.97	2.07	11.03	10.37	2.10	11.35	10.57	2.11	11.97	10.95	2.14	12.29	11.13	2.16	12.60	11.30	2.17	12.35	12.21	2.17	13.23	11.63	2.20	13.85	11.94	2.23
25.0	9.86	9.53	2.18	10.17	9.74	2.20	10.78	10.14	2.23	11.09	10.33	2.25	11.70	10.70	2.28	12.01	10.87	2.29	12.31	11.04	2.31	12.07	11.93	2.30	12.92	11.37	2.34	13.54	11.67	2.37
27.0	9.63	9.31	2.31	9.93	9.51	2.33	10.53	9.90	2.36	10.83	10.09	2.38	11.42	10.45	2.41	11.72	10.62	2.43	12.02	10.78	2.44	11.78	11.65	2.44	12.62	11.10	2.48	13.22	11.40	2.51
29.0	9.40	9.08	2.44	9.69	9.28	2.46	10.28	9.66	2.49	10.57	9.85	2.51	11.15	10.20	2.55	11.44	10.36	2.56	11.73	10.53	2.58	11.50	11.37	2.58	12.32	10.84	2.61	12.90	11.13	2.65
31.0	9.17	8.86	2.57	9.45	9.05	2.59	10.02	9.43	2.63	10.31	9.60	2.64	10.88	9.95	2.68	11.16	10.11	2.70	11.45	10.27	2.72	11.22	11.09	2.71	12.02	10.57	2.75	12.59	10.85	2.79
33.0	8.94	8.64	2.70	9.22	8.83	2.72	9.77	9.19	2.76	10.05	9.36	2.78	10.60	9.70	2.82	10.88	9.85	2.83	11.16	10.01	2.85	10.94	10.82	2.85	11.71	10.30	2.89	12.27	10.58	2.93
35.0	8.71	8.41	2.83	8.98	8.60	2.85	9.52	8.95	2.89	9.79	9.12	2.91	10.33	9.44	2.95	10.60	9.60	2.97	10.87	9.75	2.99	10.65	10.54	2.98	11.41	10.04	3.03	11.95	10.31	3.07
37.0	8.48	8.19	2.96	8.74	8.37	2.98	9.27	8.71	3.02	9.53	8.88	3.04	10.06	9.19	3.08	10.32	9.35	3.11	10.58	9.49	3.13	10.37	10.26	3.12	11.11	9.77	3.17	11.64	10.03	3.21
39.0	8.25	7.97	3.09	8.50	8.14	3.11	9.01	8.48	3.15	9.27	8.64	3.18	9.78	8.94	3.22	10.04	9.09	3.24	10.29	9.23	3.26	10.09	9.98	3.26	10.81	9.51	3.31	11.32	9.76	3.35
41.0	8.01	7.75	3.22	8.26	7.91	3.24	8.76	8.24	3.29	9.01	8.39	3.31	9.51	8.69	3.35	9.76	8.84	3.38	10.01	8.98	3.40	9.81	9.70	3.39	10.50	9.24	3.45	11.00	9.49	3.49
43.0	7.78	7.52	3.35	8.03	7.69	3.37	8.51	8.00	3.42	8.75	8.15	3.44	9.23	8.44	3.49	9.48	8.58	3.51	9.72	8.72	3.54	9.52	9.42	3.53	10.20	8.97	3.58	10.68	9.21	3.63
44.0	7.67	7.41	3.41	7.91	7.57	3.44	8.38	7.88	3.48	8.62	8.03	3.51	9.10	8.32	3.56	9.34	8.45	3.58	9.57	8.59	3.60	9.38	9.28	3.60	10.05	8.84	3.65	10.53	9.08	3.70
45.0	7.55	7.30	3.48	7.79	7.46	3.50	8.26	7.76	3.55	8.49	7.91	3.57	8.96	8.19	3.62	9.20	8.33	3.65	9.43	8.46	3.67	9.24	9.14	3.67	9.90	8.71	3.72	10.37	8.94	3.77
46.0	7.44	7.19	3.54	7.67	7.34	3.57	8.13	7.65	3.62	8.36	7.79	3.64	8.82	8.07	3.69	9.05	8.20	3.72	9.29	8.33	3.74	9.10	9.00	3.73	9.75	8.57	3.79	10.21	8.80	3.84
47.0	7.32	7.08	3.61	7.55	7.23	3.63	8.00	7.53	3.68	8.23	7.67	3.71	8.69	7.94	3.76	8.91	8.07	3.78	9.14	8.20	3.81	8.96	8.86	3.80	9.60	8.44	3.86	10.05	8.67	3.91
48.0	6.91	6.68	3.30	7.12	6.82	3.32	7.55	7.10	3.37	7.77	7.24	3.39	8.20	7.49	3.44	8.41	7.62	3.46	8.62	7.74	3.48	8.45	8.36	3.48	9.05	7.96	3.53	9.48	8.18	3.58
49.0	6.82	6.59	3.30	7.03	6.73	3.32	7.45	7.01	3.37	7.66	7.14	3.39	8.09	7.40	3.44	8.30	7.52	3.46	8.51	7.63	3.48	8.34	8.25	3.48	8.94	7.86	3.53	9.36	8.07	3.58
50.0	6.66	6.44	3.30	6.87	6.58	3.32	7.28	6.85	3.37	7.49	6.98	3.39	7.90	7.23	3.44	8.11	7.34	3.46	8.32	7.46	3.48	8.15	8.06	3.48	8.73	7.68	3.53	9.14	7.88	3.58
51.0	6.51	6.29	3.30	6.71	6.42	3.32	7.11	6.69	3.37	7.31	6.81	3.39	7.72	7.06	3.44	7.92	7.17	3.46	8.12	7.29	3.48	7.96	7.87	3.48	8.53	7.50	3.53	8.93	7.70	3.58
52.0	6.35	6.14	3.30	6.55	6.27	3.32	6.94	6.53	3.37	7.14	6.65	3.39	7.53	6.89	3.44	7.73	7.00	3.46	7.93	7.11	3.48	7.77	7.68	3.48	8.32	7.32	3.53	8.72	7.52	3.58
54.0	6.04	5.83	3.30	6.22	5.96	3.32	6.60	6.21	3.37	6.79	6.32	3.39	7.16	6.55	3.44	7.35	6.66	3.46	7.54	6.76	3.48	7.39	7.31	3.48	7.91	6.96	3.53	8.29	7.15	3.58

Product models : RAV-SH3601UP-2B : RAV-SHU3601AP-2B

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	10.60	9.10
Sensible Heat Capacity (SHC)	(kW)	9.60	9.00
Power Input (P)	(kW)	2.970	3.735

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	10.32	9.98	1.92	10.64	10.19	1.94	11.28	10.61	1.97	11.61	10.81	1.98	12.25	11.20	2.01	12.57	11.38	2.02	12.89	11.56	2.03	12.63	12.49	2.03	13.53	11.90	2.06	14.17	12.22	2.09
23.0	10.09	9.75	2.05	10.41	9.97	2.07	11.03	10.37	2.10	11.35	10.57	2.11	11.97	10.95	2.14	12.29	11.13	2.16	12.60	11.30	2.17	12.35	12.21	2.17	13.23	11.63	2.20	13.85	11.94	2.23
25.0	9.86	9.53	2.18	10.17	9.74	2.20	10.78	10.14	2.23	11.09	10.33	2.25	11.70	10.70	2.28	12.01	10.87	2.29	12.31	11.04	2.31	12.07	11.93	2.30	12.92	11.37	2.34	13.54	11.67	2.37
27.0	9.63	9.31	2.31	9.93	9.51	2.33	10.53	9.90	2.36	10.83	10.09	2.38	11.42	10.45	2.41	11.72	10.62	2.43	12.02	10.78	2.44	11.78	11.65	2.44	12.62	11.10	2.48	13.22	11.40	2.51
29.0	9.40	9.08	2.44	9.69	9.28	2.46	10.28	9.66	2.49	10.57	9.85	2.51	11.15	10.20	2.55	11.44	10.36	2.56	11.73	10.53	2.58	11.50	11.37	2.58	12.32	10.84	2.61	12.90	11.13	2.65
31.0	9.17	8.86	2.57	9.45	9.05	2.59	10.02	9.43	2.63	10.31	9.60	2.64	10.88	9.95	2.68	11.16	10.11	2.70	11.45	10.27	2.72	11.22	11.09	2.71	12.02	10.57	2.75	12.59	10.85	2.79
33.0	8.94	8.64	2.70	9.22	8.83	2.72	9.77	9.19	2.76	10.05	9.36	2.78	10.60	9.70	2.82	10.88	9.85	2.83	11.16	10.01	2.85	10.94	10.82	2.85	11.71	10.30	2.89	12.27	10.58	2.93
35.0	8.71	8.41	2.83	8.98	8.60	2.85	9.52	8.95	2.89	9.79	9.12	2.91	10.33	9.44	2.95	10.60	9.60	2.97	10.87	9.75	2.99	10.65	10.54	2.98	11.41	10.04	3.03	11.95	10.31	3.07
37.0	8.48	8.19	2.96	8.74	8.37	2.98	9.27	8.71	3.02	9.53	8.88	3.04	10.06	9.19	3.08	10.32	9.35	3.11	10.58	9.49	3.13	10.37	10.26	3.12	11.11	9.77	3.17	11.64	10.03	3.21
39.0	8.25	7.97	3.09	8.50	8.14	3.11	9.01	8.48	3.15	9.27	8.64	3.18	9.78	8.94	3.22	10.04	9.09	3.24	10.29	9.23	3.26	10.09	9.98	3.26	10.81	9.51	3.31	11.32	9.76	3.35
41.0	8.01	7.75	3.22	8.26	7.91	3.24	8.76	8.24	3.29	9.01	8.39	3.31	9.51	8.69	3.35	9.76	8.84	3.38	10.01	8.98	3.40	9.81	9.70	3.39	10.50	9.24	3.45	11.00	9.49	3.49
43.0	7.78	7.52	3.35	8.03	7.69	3.37	8.51	8.00	3.42	8.75	8.15	3.44	9.23	8.44	3.49	9.48	8.58	3.51	9.72	8.72	3.54	9.52	9.42	3.53	10.20	8.97	3.58	10.68	9.21	3.63
44.0	7.67	7.41	3.41	7.91	7.57	3.44	8.38	7.88	3.48	8.62	8.03	3.51	9.10	8.32	3.56	9.34	8.45	3.58	9.57	8.59	3.60	9.38	9.28	3.60	10.05	8.84	3.65	10.53	9.08	3.70
45.0	7.55	7.30	3.48	7.79	7.46	3.50	8.26	7.76	3.55	8.49	7.91	3.57	8.96	8.19	3.62	9.20	8.33	3.65	9.43	8.46	3.67	9.24	9.14	3.67	9.90	8.71	3.72	10.37	8.94	3.77
46.0	7.44	7.19	3.54	7.67	7.34	3.57	8.13	7.65	3.62	8.36	7.79	3.64	8.82	8.07	3.69	9.05	8.20	3.72	9.29	8.33	3.74	9.10	9.00	3.73	9.75	8.57	3.79	10.21	8.80	3.84
47.0	7.32	7.08	3.61	7.55	7.23	3.63	8.00	7.53	3.68	8.23	7.67	3.71	8.69	7.94	3.76	8.91	8.07	3.78	9.14	8.20	3.81	8.96	8.86	3.80	9.60	8.44	3.86	10.05	8.67	3.91
48.0	6.91	6.68	3.30	7.12	6.82	3.32	7.55	7.10	3.37	7.77	7.24	3.39	8.20	7.49	3.44	8.41	7.62	3.46	8.62	7.74	3.48	8.45	8.36	3.48	9.05	7.96	3.53	9.48	8.18	3.58
49.0	6.82	6.59	3.30	7.03	6.73	3.32	7.45	7.01	3.37	7.66	7.14	3.39	8.09	7.40	3.44	8.30	7.52	3.46	8.51	7.63	3.48	8.34	8.25	3.48	8.94	7.86	3.53	9.36	8.07	3.58
50.0	6.66	6.44	3.30	6.87	6.58	3.32	7.28	6.85	3.37	7.49	6.98	3.39	7.90	7.23	3.44	8.11	7.34	3.46	8.32	7.46	3.48	8.15	8.06	3.48	8.73	7.68	3.53	9.14	7.88	3.58
51.0	6.51	6.29	3.30	6.71	6.42	3.32	7.11	6.69	3.37	7.31	6.81	3.39	7.72	7.06	3.44	7.92	7.17	3.46	8.12	7.29	3.48	7.96	7.87	3.48	8.53	7.50	3.53	8.93	7.70	3.58
52.0	6.35	6.14	3.30	6.55	6.27	3.32	6.94	6.53	3.37	7.14	6.65	3.39	7.53	6.89	3.44	7.73	7.00	3.46	7.93	7.11	3.48	7.77	7.68	3.48	8.32	7.32	3.53	8.72	7.52	3.58
54.0	6.04	5.83	3.30	6.22	5.96	3.32	6.60	6.21	3.37	6.79	6.32	3.39	7.16	6.55	3.44	7.35	6.66	3.46	7.54	6.76	3.48	7.39	7.31	3.48	7.91	6.96	3.53	8.29	7.15	3.58

Product models : RAV-SH4801UP-AE : RAV-SHU4801AP-AE, RAV-SH4801UP-OM : RAV-SHU4801AP-OM,
RAV-SH4801UP-Q : RAV-SH4801AP-Q, RAV-SH4801UP-BA : RAV-SH4801AP-BA

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	12.50	11.00
Sensible Heat Capacity (SHC)	(kW)	11.25	10.45
Power Input (P)	(kW)	3.620	4.510

Indoor temp Outdoor temp	20.0°C DB			21.0°C DB			23.0°C DB			24.0°C DB			26.0°C DB			27.0°C DB			28.0°C DB			29.0°C DB			30.0°C DB			32.0°C DB		
	14.0°C WB, RH=51%			15.0°C WB, RH=48%			16.0°C WB, RH=48%			17.0°C WB, RH=49%			18.0°C WB, RH=45%			19.0°C WB, RH=46%			20.0°C WB, RH=47%			19.0°C WB, RH=38%			22.0°C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	11.89	11.43	2.40	12.26	11.68	2.41	13.00	12.15	2.45	13.37	12.38	2.46	14.11	12.82	2.50	14.48	13.03	2.52	14.85	13.23	2.53	14.55	13.82	2.53	15.59	13.62	2.57	16.33	13.98	2.60
23.0	11.66	11.20	2.55	12.02	11.45	2.57	12.75	11.92	2.60	13.11	12.14	2.62	13.83	12.57	2.66	14.20	12.78	2.67	14.56	12.98	2.69	14.27	13.55	2.69	15.28	13.36	2.73	16.01	13.71	2.76
25.0	11.43	10.98	2.70	11.78	11.22	2.72	12.49	11.68	2.75	12.85	11.90	2.77	13.56	12.32	2.81	13.91	12.52	2.83	14.27	12.72	2.85	13.98	13.28	2.85	14.98	13.09	2.89	15.69	13.44	2.93
27.0	11.20	10.76	2.85	11.54	10.99	2.87	12.24	11.44	2.91	12.59	11.66	2.93	13.28	12.07	2.97	13.63	12.27	2.99	13.98	12.46	3.01	13.70	13.01	3.00	14.67	12.82	3.05	15.37	13.17	3.09
29.0	10.96	10.53	3.00	11.30	10.76	3.02	11.99	11.20	3.06	12.33	11.42	3.08	13.01	11.82	3.13	13.35	12.01	3.15	13.69	12.20	3.17	13.41	12.74	3.16	14.37	12.56	3.21	15.05	12.89	3.25
31.0	10.73	10.31	3.15	11.07	10.54	3.17	11.73	10.97	3.22	12.07	11.17	3.24	12.73	11.57	3.28	13.07	11.76	3.30	13.40	11.94	3.33	13.13	12.47	3.32	14.07	12.29	3.37	14.73	12.62	3.42
33.0	10.50	10.09	3.30	10.83	10.31	3.32	11.48	10.73	3.37	11.80	10.93	3.39	12.46	11.32	3.44	12.78	11.50	3.46	13.11	11.68	3.49	12.85	12.20	3.48	13.76	12.03	3.53	14.41	12.35	3.58
35.0	10.27	9.87	3.45	10.59	10.08	3.47	11.22	10.49	3.52	11.54	10.69	3.55	12.18	11.07	3.60	12.50	11.25	3.62	12.82	11.43	3.64	12.56	11.93	3.64	13.46	11.76	3.69	14.09	12.07	3.74
37.0	10.04	9.64	3.60	10.35	9.85	3.62	10.97	10.25	3.68	11.28	10.45	3.70	11.91	10.82	3.75	12.22	11.00	3.78	12.53	11.17	3.80	12.28	11.66	3.80	13.15	11.49	3.85	13.78	11.80	3.91
39.0	9.80	9.42	3.75	10.11	9.62	3.78	10.72	10.02	3.83	11.02	10.21	3.86	11.63	10.57	3.91	11.93	10.74	3.94	12.24	10.91	3.96	11.99	11.39	3.96	12.85	11.23	4.02	13.46	11.53	4.07
41.0	9.57	9.20	3.90	9.87	9.40	3.93	10.46	9.78	3.98	10.76	9.96	4.01	11.35	10.32	4.07	11.65	10.49	4.09	11.95	10.65	4.12	11.71	11.12	4.11	12.54	10.96	4.18	13.14	11.25	4.23
43.0	9.34	8.97	4.05	9.63	9.17	4.08	10.21	9.54	4.14	10.50	9.72	4.16	11.08	10.07	4.22	11.37	10.23	4.25	11.66	10.39	4.28	11.43	10.85	4.27	12.24	10.70	4.34	12.82	10.98	4.39
44.0	9.22	8.86	4.12	9.51	9.05	4.15	10.08	9.42	4.21	10.37	9.60	4.24	10.94	9.94	4.30	11.23	10.10	4.33	11.51	10.26	4.36	11.28	10.72	4.35	12.09	10.56	4.42	12.66	10.84	4.48
45.0	9.11	8.75	4.20	9.39	8.94	4.23	9.95	9.31	4.29	10.24	9.48	4.32	10.80	9.82	4.38	11.09	9.98	4.41	11.37	10.13	4.44	11.14	10.58	4.43	11.93	10.43	4.50	12.50	10.71	4.56
46.0	8.99	8.64	4.28	9.27	8.83	4.31	9.83	9.19	4.37	10.11	9.36	4.40	10.67	9.69	4.46	10.95	9.85	4.49	11.22	10.00	4.52	11.00	10.45	4.51	11.78	10.30	4.58	12.34	10.57	4.64
47.0	8.87	8.53	4.35	9.15	8.71	4.38	9.70	9.07	4.44	9.98	9.24	4.47	10.53	9.57	4.54	10.80	9.72	4.57	11.08	9.88	4.60	10.86	10.31	4.59	11.63	10.16	4.66	12.18	10.43	4.72
48.0	7.41	7.12	3.15	7.64	7.27	3.18	8.10	7.57	3.22	8.33	7.71	3.24	8.79	7.99	3.29	9.02	8.12	3.31	9.25	8.24	3.33	9.07	8.61	3.33	9.71	8.49	3.38	10.17	8.71	3.42
49.0	7.22	6.94	3.15	7.44	7.09	3.18	7.89	7.38	3.22	8.12	7.52	3.24	8.57	7.78	3.29	8.79	7.91	3.31	9.01	8.03	3.33	8.83	8.39	3.33	9.46	8.27	3.38	9.91	8.49	3.42
50.0	7.03	6.76	3.15	7.25	6.90	3.18	7.69	7.18	3.22	7.90	7.32	3.24	8.34	7.58	3.29	8.56	7.70	3.31	8.78	7.82	3.33	8.60	8.17	3.33	9.22	8.05	3.38	9.65	8.27	3.42
51.0	6.83	6.57	3.15	7.05	6.71	3.18	7.47	6.98	3.22	7.68	7.12	3.24	8.11	7.37	3.29	8.32	7.49	3.31	8.53	7.60	3.33	8.36	7.94	3.33	8.96	7.83	3.38	9.38	8.04	3.42
52.0	6.22	5.97	2.80	6.41	6.10	2.82	6.80	6.35	2.86	6.99	6.47	2.88	7.38	6.70	2.92	7.57	6.81	2.94	7.76	6.92	2.96	7.61	7.23	2.95	8.15	7.12	3.00	8.54	7.31	3.04
54.0	5.83	5.60	2.80	6.01	5.73	2.82	6.38	5.96	2.86	6.56	6.07	2.88	6.92	6.29	2.92	7.10	6.39	2.94	7.28	6.49	2.96	7.14	6.78	2.95	7.64	6.68	3.00	8.01	6.86	3.04

Product models : RAV-SH4801UP-2B : RAV-SHU4801AP-2B

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	12.50	11.00
Sensible Heat Capacity (SHC)	(kW)	11.25	10.45
Power Input (P)	(kW)	3.610	4.510

Indoor temp Outdoor temp	20.0°C DB			21.0°C DB			23.0°C DB			24.0°C DB			26.0°C DB			27.0°C DB			28.0°C DB			29.0°C DB			30.0°C DB			32.0°C DB		
	14.0°C WB, RH=51%			15.0°C WB, RH=48%			16.0°C WB, RH=48%			17.0°C WB, RH=49%			18.0°C WB, RH=45%			19.0°C WB, RH=46%			20.0°C WB, RH=47%			19.0°C WB, RH=38%			22.0°C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	11.89	11.43	2.38	12.26	11.68	2.39	13.00	12.15	2.43	13.37	12.38	2.44	14.11	12.82	2.48	14.48	13.03	2.49	14.85	13.23	2.51	14.55	13.82	2.51	15.59	13.62	2.54	16.33	13.98	2.58
23.0	11.66	11.20	2.53	12.02	11.45	2.55	12.75	11.92	2.58	13.11	12.14	2.60	13.83	12.57	2.63	14.20	12.78	2.65	14.56	12.98	2.67	14.27	13.55	2.67	15.28	13.36	2.71	16.01	13.71	2.74
25.0	11.43	10.98	2.68	11.78	11.22	2.70	12.49	11.68	2.74	12.85	11.90	2.76	13.56	12.32	2.79	13.91	12.52	2.81	14.27	12.72	2.83	13.98	13.28	2.83	14.98	13.09	2.87	15.69	13.44	2.91
27.0	11.20	10.76	2.83	11.54	10.99	2.85	12.24	11.44	2.89	12.59	11.66	2.91	13.28	12.07	2.95	13.63	12.27	2.97	13.98	12.46	2.99	13.70	13.01	2.99	14.67	12.82	3.03	15.37	13.17	3.07
29.0	10.96	10.53	2.98	11.30	10.76	3.00	11.99	11.20	3.05	12.33	11.42	3.07	13.01	11.82	3.11	13.35	12.01	3.13	13.69	12.20	3.15	13.41	12.74	3.15	14.37	12.56	3.19	15.05	12.89	3.24
31.0	10.73	10.31	3.14	11.07	10.54	3.16	11.73	10.97	3.20	12.07	11.17	3.22	12.73	11.57	3.27	13.07	11.76	3.29	13.40	11.94	3.31	13.13	12.47	3.31	14.07	12.29	3.36	14.73	12.62	3.40
33.0	10.50	10.09	3.29	10.83	10.31	3.31	11.48	10.73	3.36	11.80	10.93	3.38	12.46	11.32	3.43	12.78	11.50	3.45	13.11	11.68	3.47	12.85	12.20	3.47	13.76	12.03	3.52	14.41	12.35	3.57
35.0	10.27	9.87	3.44	10.59	10.08	3.46	11.22	10.49	3.51	11.54	10.69	3.54	12.18	11.07	3.59	12.50	11.25	3.61	12.82	11.43	3.63	12.56	11.93	3.63	13.46	11.76	3.68	14.09	12.07	3.73
37.0	10.04	9.64	3.59	10.35	9.85	3.62	10.97	10.25	3.67	11.28	10.45	3.69	11.91	10.82	3.74	12.22	11.00	3.77	12.53	11.17	3.80	12.28	11.66	3.79	13.15	11.49	3.85	13.78	11.80	3.90
39.0	9.80	9.42	3.74	10.11	9.62	3.77	10.72	10.02	3.82	11.02	10.21	3.85	11.63	10.57	3.90	11.93	10.74	3.93	12.24	10.91	3.96	11.99	11.39	3.95	12.85	11.23	4.01	13.46	11.53	4.06
41.0	9.57	9.20	3.90	9.87	9.40	3.92	10.46	9.78	3.98	10.76	9.96	4.01	11.35	10.32	4.06	11.65	10.49	4.09	11.95	10.65	4.12	11.71	11.12	4.11	12.54	10.96	4.17	13.14	11.25	4.23
43.0	9.34	8.97	4.05	9.63	9.17	4.08	10.21	9.54	4.13	10.50	9.72	4.16	11.08	10.07	4.22	11.37	10.23	4.25	11.66	10.39	4.28	11.43	10.85	4.27	12.24	10.70	4.33	12.82	10.98	4.39
44.0	9.22	8.86	4.12	9.51	9.05	4.15	10.08	9.42	4.21	10.37	9.60	4.24	10.94	9.94	4.30	11.23	10.10	4.33	11.51	10.26	4.36	11.28	10.72	4.35	12.09	10.56	4.42	12.66	10.84	4.47
45.0	9.11	8.75	4.20	9.39	8.94	4.23	9.95	9.31	4.29	10.24	9.48	4.32	10.80	9.82	4.38	11.09	9.98	4.41	11.37	10.13	4.44	11.14	10.58	4.43	11.93	10.43	4.50	12.50	10.71	4.56
46.0	8.99	8.64	4.28	9.27	8.83	4.31	9.83	9.19	4.37	10.11	9.36	4.40	10.67	9.69	4.46	10.95	9.85	4.49	11.22	10.00	4.52	11.00	10.45	4.51	11.78	10.30	4.58	12.34	10.57	4.64
47.0	8.87	8.53	4.35	9.15	8.71	4.38	9.70	9.07	4.44	9.98	9.24	4.47	10.53	9.57	4.54	10.80	9.72	4.57	11.08	9.88	4.60	10.86	10.31	4.59	11.63	10.16	4.66	12.18	10.43	4.72
48.0	7.41	7.12	3.15	7.64	7.27	3.18	8.10	7.57	3.22	8.33	7.71	3.24	8.79	7.99	3.29	9.02	8.12	3.31	9.25	8.24	3.33	9.07	8.61	3.33	9.71	8.49	3.38	10.17	8.71	3.42
49.0	7.22	6.94	3.15	7.44	7.09	3.18	7.89	7.38	3.22	8.12	7.52	3.24	8.57	7.78	3.29	8.79	7.91	3.31	9.01	8.03	3.33	8.83	8.39	3.33	9.46	8.27	3.38	9.91	8.49	3.42
50.0	7.03	6.76	3.15	7.25	6.90	3.18	7.69	7.18	3.22	7.90	7.32	3.24	8.34	7.58	3.29	8.56	7.70	3.31	8.78	7.82	3.33	8.60	8.17	3.33	9.22	8.05	3.38	9.65	8.27	3.42
51.0	6.83	6.57	3.15	7.05	6.71	3.18	7.47	6.98	3.22	7.68	7.12	3.24	8.11	7.37	3.29	8.32	7.49	3.31	8.53	7.60	3.33	8.36	7.94	3.33	8.96	7.83	3.38	9.38	8.04	3.42
52.0	6.22	5.97	2.80	6.41	6.10	2.82	6.80	6.35	2.86	6.99	6.47	2.88	7.38	6.70	2.92	7.57	6.81	2.94	7.76	6.92	2.96	7.61	7.23	2.95	8.15	7.12	3.00	8.54	7.31	3.04
54.0	5.83	5.60	2.80	6.01	5.73	2.82	6.38	5.96	2.86	6.56	6.07	2.88	6.92	6.29	2.92	7.10	6.39	2.94	7.28	6.49	2.96	7.14	6.78	2.95	7.64	6.68	3.00	8.01	6.86	3.04

2-1-5. Part Load Performance

Combination

Indoor Unit : RAV-SH1801UP-Q, RAV-SH1801UP-BA,
RAV-SH1801UP-AE, RAV-SH1801UP-OM

Outdoor unit : RAV-SH1801AP-Q, RAV-SH1801AP-BA
RAV-SHU1801AP-AE, RAV-SHU1801AP-OM

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	1600	435
RATING	5300	1485

Q: Capacity in W

W: Power Consumption in W

Cooling

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	3840	3520	3130	2740	2350	1950	1560	1180	1180	1180
	W	1810	1780	1470	1190	940	730	630	630	630	630
52	Q	4060	3650	3240	2840	2430	2030	1620	1220	1220	1220
	W	1810	1720	1420	1160	910	700	610	610	610	610
48	Q	4330	3910	3480	3040	2610	2170	1740	1310	1310	1310
	W	1910	1610	1330	1080	850	660	570	570	570	570
46	Q	4480	4040	3600	3150	2700	2250	1800	1360	1360	1360
	W	1850	1560	1280	1050	820	630	550	550	550	550
43	Q	4700	4240	3770	3300	2830	2360	1890	1420	1420	1420
	W	1750	1470	1210	990	780	600	520	520	520	520
40	Q	4930	4440	3950	3450	2960	2470	1970	1490	1490	1490
	W	1650	1390	1140	930	730	570	490	490	490	490
35	Q	5300	4770	4240	3710	3180	2650	2120	1600	1600	1600
	W	1485	1250	1030	840	660	510	440	440	440	440
30	Q	5670	5100	4530	3970	3400	2830	2270	1710	1710	1710
	W	1320	1110	920	750	590	450	390	390	390	390
25	Q	6050	5430	4830	4220	3620	3020	2410	1820	1820	1820
	W	1170	970	800	650	510	400	340	340	340	340
20	Q	6350	5690	5060	4430	3800	3160	2530	1910	1910	1910
	W	1040	860	710	580	450	350	300	300	300	300

Combination

Indoor Unit : RAV-SH1801UP-2B

Outdoor unit : RAV-SHU1801AP-2B

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	1600	435
RATING	5280	1485

Q: Capacity in W

W: Power Consumption in W

Cooling

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	3840	3500	3120	2730	2340	1950	1560	1180	1180	1180
	W	1810	1780	1470	1190	940	730	630	630	630	630
52	Q	4060	3640	3230	2830	2420	2020	1620	1220	1220	1220
	W	1810	1720	1420	1160	910	700	610	610	610	610
48	Q	4330	3900	3470	3030	2600	2170	1730	1310	1310	1310
	W	1910	1610	1330	1080	850	660	570	570	570	570
46	Q	4480	4030	3580	3130	2690	2240	1790	1360	1360	1360
	W	1850	1560	1280	1050	820	630	550	550	550	550
43	Q	4700	4230	3760	3290	2820	2350	1880	1420	1420	1420
	W	1750	1470	1210	990	780	600	520	520	520	520
40	Q	4920	4420	3930	3440	2950	2460	1970	1490	1490	1490
	W	1650	1390	1140	930	730	570	490	490	490	490
35	Q	5280	4752	4224	3696	3168	2640	2112	1600	1600	1600
	W	1485	1250	1030	840	660	510	440	440	440	440
30	Q	5640	5080	4520	3950	3390	2820	2260	1710	1710	1710
	W	1320	1110	920	750	590	450	390	390	390	390
25	Q	6010	5410	4810	4210	3610	3000	2400	1820	1820	1820
	W	1170	970	800	650	510	400	340	340	340	340
20	Q	6300	5670	5040	4410	3780	3150	2520	1910	1910	1910
	W	1040	860	710	580	450	350	300	300	300	300

Combination

Indoor Unit : RAV-SH2401UP-Q, RAV-SH2401UP-BA,
RAV-SH2401UP-AE, RAV-SH2401UP-OM

Outdoor unit : RAV-SH2401AP-Q, RAV-SH2401AP-BA
RAV-SHU2401AP-AE, RAV-SHU2401AP-OM

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	2000	565
RATING	7100	2055

Q: Capacity in W

W: Power Consumption in W

Cooling

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	1950	1950	1950	1950	3140	2620	2090	1570	1480	1480
	W	1440	1440	1440	1440	1310	1000	810	810	810	810
52	Q	3120	3120	3120	3120	3260	2720	2170	1630	1530	1530
	W	1440	1440	1440	1440	1270	960	790	790	790	790
48	Q	4980	4980	4660	4080	3490	2910	2330	1750	1640	1640
	W	2050	2050	1840	1500	1190	900	730	730	730	730
46	Q	6030	5420	4820	4210	3610	3010	2410	1810	1700	1700
	W	2470	2150	1780	1440	1150	870	710	710	710	710
43	Q	6320	5680	5050	4420	3790	3160	2530	1890	1780	1780
	W	2360	2040	1680	1370	1080	820	670	670	670	670
40	Q	6610	5950	5290	4630	3970	3300	2640	1980	1860	1860
	W	2245	1920	1590	1290	1020	780	630	630	630	630
35	Q	7100	6390	5680	4970	4260	3550	2840	2130	2000	2000
	W	2055	1730	1430	1160	920	700	570	570	570	570
30	Q	7590	6830	6070	5310	4550	3800	3040	2280	2140	2140
	W	1875	1540	1270	1030	820	620	510	510	510	510
25	Q	8070	7270	6460	5660	4850	4040	3230	2420	2280	2280
	W	1680	1350	1110	900	720	540	440	440	440	440
20	Q	8460	7630	6780	5930	5080	4240	3390	2540	2390	2390
	W	1520	1190	980	800	630	480	390	390	390	390

Combination

Indoor Unit : RAV-SH2401UP-2B

Outdoor unit : RAV-SHU2401AP-2B

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	2000	565
RATING	7050	2055

Q: Capacity in W

W: Power Consumption in W

Cooling

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	1950	1950	1950	1950	3120	2600	2080	1560	1480	1480
	W	1440	1440	1440	1440	1310	1000	810	810	810	810
52	Q	3120	3120	3120	3120	3240	2700	2160	1620	1530	1530
	W	1440	1440	1440	1440	1270	960	790	790	790	790
48	Q	4980	4980	4630	4050	3470	2890	2310	1740	1640	1640
	W	2050	2050	1840	1500	1190	900	730	730	730	730
46	Q	6030	5380	4780	4180	3590	2990	2390	1790	1700	1700
	W	2470	2150	1780	1440	1150	870	710	710	710	710
43	Q	6310	5640	5020	4390	3760	3140	2510	1880	1780	1780
	W	2360	2040	1680	1370	1080	820	670	670	670	670
40	Q	6560	5910	5250	4590	3940	3280	2630	1970	1860	1860
	W	2245	1920	1590	1290	1020	780	630	630	630	630
35	Q	7050	6345	5640	4935	4230	3525	2820	2115	2000	2000
	W	2055	1730	1430	1160	920	700	570	570	570	570
30	Q	7540	6780	6030	5280	4520	3770	3010	2260	2140	2140
	W	1865	1540	1270	1030	820	620	510	510	510	510
25	Q	7980	7220	6420	5620	4810	4010	3210	2410	2280	2280
	W	1680	1350	1110	900	720	540	440	440	440	440
20	Q	8350	7570	6730	5890	5050	4210	3370	2520	2390	2390
	W	1520	1190	980	800	630	480	390	390	390	390

Combination

Indoor Unit : RAV-SH3001UP-Q, RAV-SH3001UP-BA,
RAV-SH3001UP-AE, RAV-SH3001UP-OM

Outdoor unit : RAV-SH3001AP-Q, RAV-SH3001AP-BA
RAV-SHU3001AP-AE, RAV-SHU3001AP-OM

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	3000	700
RATING	8800	2450

Q: Capacity in W

W: Power Consumption in W

Cooling

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	6490	5840	5190	4540	3890	3250	2600	2210	2210	2210
	W	3520	2930	2420	1960	1550	1190	1000	1000	1000	1000
52	Q	6730	6060	5390	4710	4040	3370	2690	2300	2300	2300
	W	3410	2840	2340	1900	1500	1160	960	960	960	960
48	Q	7220	6500	5780	5050	4330	3610	2890	2460	2460	2460
	W	3180	2660	2190	1780	1410	1080	900	900	900	900
46	Q	7460	6720	5970	5220	4480	3730	2980	2540	2540	2540
	W	3070	2560	2120	1720	1360	1050	870	870	870	870
43	Q	7830	7040	6260	5480	4700	3910	3130	2670	2670	2670
	W	2900	2430	2000	1630	1280	990	820	820	820	820
40	Q	8190	7370	6550	5730	4920	4100	3280	2790	2790	2790
	W	2730	2290	1890	1530	1210	930	780	780	780	780
35	Q	8800	7920	7040	6160	5280	4400	3520	3000	3000	3000
	W	2450	2060	1700	1380	1090	840	700	700	700	700
30	Q	9410	8470	7530	6590	5640	4700	3760	3210	3210	3210
	W	2170	1830	1510	1230	970	750	620	620	620	620
25	Q	10020	9010	8010	7010	6010	5010	4010	3410	3410	3410
	W	1890	1600	1320	1070	850	650	540	540	540	540
20	Q	10500	9450	8400	7350	6300	5250	4200	3580	3580	3580
	W	1660	1420	1170	950	750	580	480	480	480	480

Combination

Indoor Unit : RAV-SH3001UP-2B

Outdoor unit : RAV-SHU3001AP-2B

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	3000	700
RATING	8800	2450

Q: Capacity in W

W: Power Consumption in W

Cooling

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	6490	5840	5190	4540	3890	3250	2600	2210	2210	2210
	W	3520	2930	2420	1960	1550	1190	1000	1000	1000	1000
52	Q	6730	6060	5390	4710	4040	3370	2690	2300	2300	2300
	W	3410	2840	2340	1900	1500	1160	960	960	960	960
48	Q	7220	6500	5780	5050	4330	3610	2890	2460	2460	2460
	W	3180	2660	2190	1780	1410	1080	900	900	900	900
46	Q	7460	6720	5970	5220	4480	3730	2980	2540	2540	2540
	W	3070	2560	2120	1720	1360	1050	870	870	870	870
43	Q	7830	7040	6260	5480	4700	3910	3130	2670	2670	2670
	W	2900	2430	2000	1630	1280	990	820	820	820	820
40	Q	8190	7370	6550	5730	4920	4100	3280	2790	2790	2790
	W	2730	2290	1890	1530	1210	930	780	780	780	780
35	Q	8800	7920	7040	6160	5280	4400	3520	3000	3000	3000
	W	2450	2060	1700	1380	1090	840	700	700	700	700
30	Q	9410	8470	7530	6590	5640	4700	3760	3210	3210	3210
	W	2170	1830	1510	1230	970	750	620	620	620	620
25	Q	10020	9010	8010	7010	6010	5010	4010	3410	3410	3410
	W	1890	1600	1320	1070	850	650	540	540	540	540
20	Q	10500	9450	8400	7350	6300	5250	4200	3580	3580	3580
	W	1660	1420	1170	950	750	580	480	480	480	480

Combination

Indoor Unit : RAV-SH3601UP-Q, RAV-SH3601UP-BA,
RAV-SH3601UP-AE, RAV-SH3601UP-OM

Outdoor unit : RAV-SH3601AP-Q, RAV-SH3601AP-BA
RAV-SHU3601AP-AE, RAV-SHU3601AP-OM

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	3000	900
RATING	10600	2970

Q: Capacity in W

W: Power Consumption in W

Cooling

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	7350	7040	6250	5470	4690	3910	3130	2350	2210	2210
	W	3460	3400	2930	2380	1890	1450	1280	1280	1280	1280
52	Q	8110	7300	6490	5680	4870	4060	3240	2430	2300	2300
	W	3460	3320	2840	2300	1830	1410	1240	1240	1240	1240
48	Q	8410	7830	6960	6090	5220	4350	3480	2610	2460	2460
	W	3460	3220	2660	2150	1710	1310	1160	1160	1160	1160
46	Q	9050	8090	7190	6290	5390	4490	3600	2700	2540	2540
	W	3720	3110	2560	2080	1660	1270	1120	1120	1120	1120
43	Q	9480	8490	7540	6600	5660	4710	3770	2830	2670	2670
	W	3510	2940	2430	1970	1570	1200	1060	1060	1060	1060
40	Q	9900	8880	7890	6910	5920	4930	3950	2960	2790	2790
	W	3300	2780	2290	1860	1480	1130	1000	1000	1000	1000
35	Q	10600	9540	8480	7420	6360	5300	4240	3180	3000	3000
	W	2970	2500	2060	1670	1330	1020	900	900	900	900
30	Q	11330	10200	9070	7930	6800	5670	4530	3400	3210	3210
	W	2640	2220	1830	1480	1180	910	800	800	800	800
25	Q	12010	10860	9650	8450	7240	6030	4830	3620	3410	3410
	W	2290	1940	1600	1300	1030	790	700	700	700	700
20	Q	12570	11390	10120	8860	7590	6330	5060	3800	3580	3580
	W	2020	1720	1420	1150	920	700	620	620	620	620

Combination

Indoor Unit : RAV-SH3601UP-2B

Outdoor unit : RAV-SHU3601AP-2B

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	3000	900
RATING	10600	2970

Cooling

Q: Capacity in W

W: Power Consumption in W

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	7350	7040	6250	5470	4690	3910	3130	2350	2210	2210
	W	3460	3400	2930	2380	1890	1450	1280	1280	1280	1280
52	Q	8110	7300	6490	5680	4870	4060	3240	2430	2300	2300
	W	3460	3320	2840	2300	1830	1410	1240	1240	1240	1240
48	Q	8410	7830	6960	6090	5220	4350	3480	2610	2460	2460
	W	3460	3220	2660	2150	1710	1310	1160	1160	1160	1160
46	Q	9050	8090	7190	6290	5390	4490	3600	2700	2540	2540
	W	3720	3110	2560	2080	1660	1270	1120	1120	1120	1120
43	Q	9480	8490	7540	6600	5660	4710	3770	2830	2670	2670
	W	3510	2940	2430	1970	1570	1200	1060	1060	1060	1060
40	Q	9900	8880	7890	6910	5920	4930	3950	2960	2790	2790
	W	3300	2780	2290	1860	1480	1130	1000	1000	1000	1000
35	Q	10600	9540	8480	7420	6360	5300	4240	3180	3000	3000
	W	2970	2500	2060	1670	1330	1020	900	900	900	900
30	Q	11330	10200	9070	7930	6800	5670	4530	3400	3210	3210
	W	2640	2220	1830	1480	1180	910	800	800	800	800
25	Q	12010	10860	9650	8450	7240	6030	4830	3620	3410	3410
	W	2290	1940	1600	1300	1030	790	700	700	700	700
20	Q	12570	11390	10120	8860	7590	6330	5060	3800	3580	3580
	W	2020	1720	1420	1150	920	700	620	620	620	620

Combination

Indoor Unit : RAV-SH4801UP-Q, RAV-SH4801UP-BA,
RAV-SH4801UP-AE, RAV-SH4801UP-OM

Outdoor unit : RAV-SH4801AP-Q, RAV-SH4801UP-BA
RAV-SHU4801AP-AE, RAV-SHU4801AP-OM

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	4000	900
RATING	12500	3620

Q: Capacity in W

W: Power Consumption in W

Cooling

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	7100	7100	7100	6450	5530	4610	3690	2950	2950	2950
	W	2940	2940	2940	2900	2300	1760	1310	1280	1280	1280
52	Q	7570	7570	7570	6690	5740	4780	3830	3060	3060	3060
	W	2940	2940	2940	2810	2230	1710	1270	1240	1240	1240
48	Q	9020	9020	8200	7180	6150	5130	4100	3280	3280	3280
	W	3310	3310	3250	2630	2090	1600	1190	1160	1160	1160
46	Q	10950	9540	8480	7420	6360	5300	4240	3390	3390	3390
	W	4490	3780	3140	2540	2020	1540	1150	1120	1120	1120
43	Q	11370	10010	8900	7780	6670	5560	4450	3560	3560	3560
	W	4250	3580	2970	2400	1910	1460	1080	1060	1060	1060
40	Q	11790	10470	9310	8150	6980	5820	4650	3720	3720	3720
	W	4010	3380	2800	2270	1800	1380	1020	1000	1000	1000
35	Q	12500	11250	10000	8750	7500	6250	5000	4000	4000	4000
	W	3620	3040	2520	2040	1620	1240	920	900	900	900
30	Q	13210	12030	10690	9350	8020	6680	5350	4280	4280	4280
	W	3230	2700	2240	1810	1440	1100	820	800	800	800
25	Q	13910	12800	11380	9960	8540	7110	5690	4550	4550	4550
	W	2830	2360	1960	1590	1260	960	720	700	700	700
20	Q	14480	13430	11930	10440	8950	7460	5970	4770	4770	4770
	W	2520	2090	1740	1400	1120	850	630	620	620	620

Combination

Indoor Unit : RAV-SH4801UP-2B

Outdoor unit : RAV-SHU4801AP-2B

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	4000	900
RATING	12500	3610

Q: Capacity in W

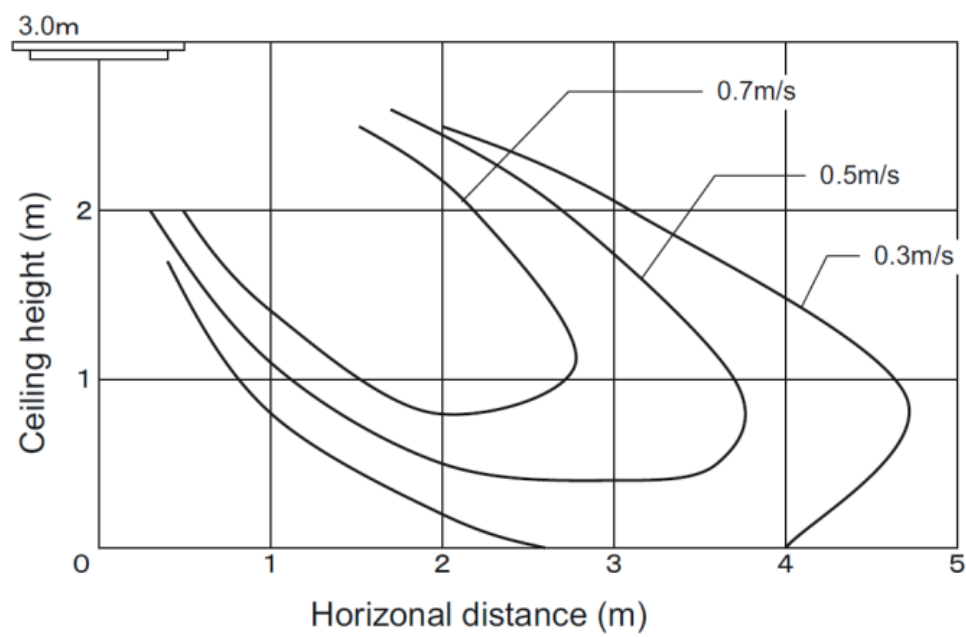
W: Power Consumption in W

Cooling

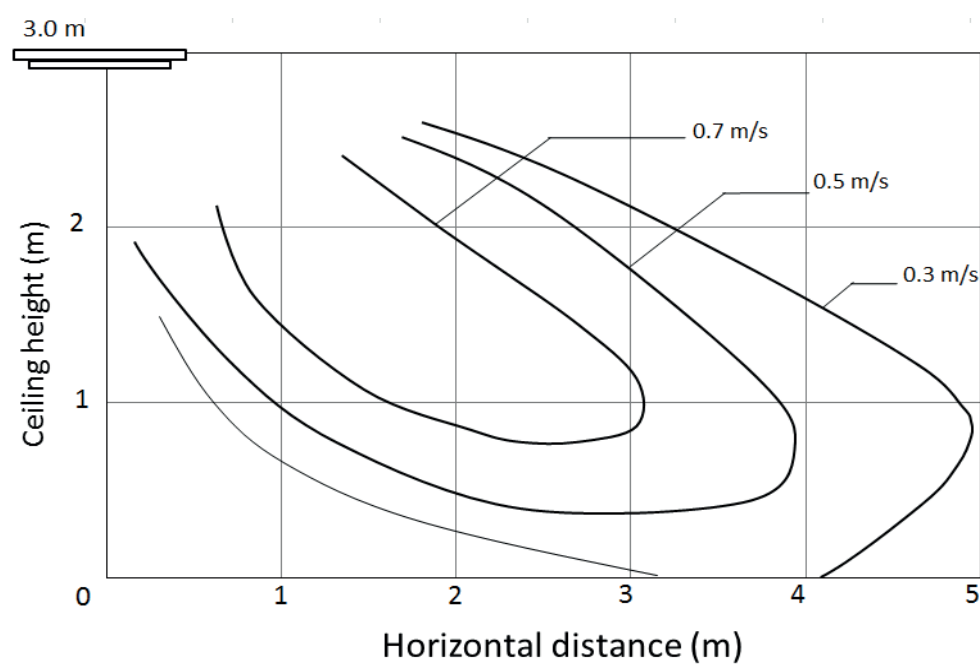
Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	7100	7100	7100	6450	5530	4610	3690	2950	2950	2950
	W	2940	2940	2940	2890	2290	1760	1310	1280	1280	1280
52	Q	7570	7570	7570	6690	5740	4780	3830	3060	3060	3060
	W	2940	2940	2940	2800	2220	1710	1270	1240	1240	1240
48	Q	9020	9020	8200	7180	6150	5130	4100	3280	3280	3280
	W	3310	3310	3240	2620	2080	1600	1190	1160	1160	1160
46	Q	10950	9540	8480	7420	6360	5300	4240	3390	3390	3390
	W	4490	3770	3120	2530	2000	1540	1150	1120	1120	1120
43	Q	11370	10010	8900	7780	6670	5560	4450	3560	3560	3560
	W	4250	3570	2960	2390	1900	1460	1080	1060	1060	1060
40	Q	11790	10470	9310	8150	6980	5820	4650	3720	3720	3720
	W	4010	3370	2790	2260	1790	1380	1020	1000	1000	1000
35	Q	12500	11250	10000	8750	7500	6250	5000	4000	4000	4000
	W	3610	3030	2510	2030	1610	1240	920	900	900	900
30	Q	13210	12030	10690	9350	8020	6680	5350	4280	4280	4280
	W	3210	2690	2230	1800	1430	1100	820	800	800	800
25	Q	13910	12800	11380	9960	8540	7110	5690	4550	4550	4550
	W	2810	2360	1950	1580	1250	960	720	700	700	700
20	Q	14480	13430	11930	10440	8950	7460	5970	4770	4770	4770
	W	2490	2090	1730	1400	1110	850	630	620	620	620

2-1-6. Air Throw Distance Chart

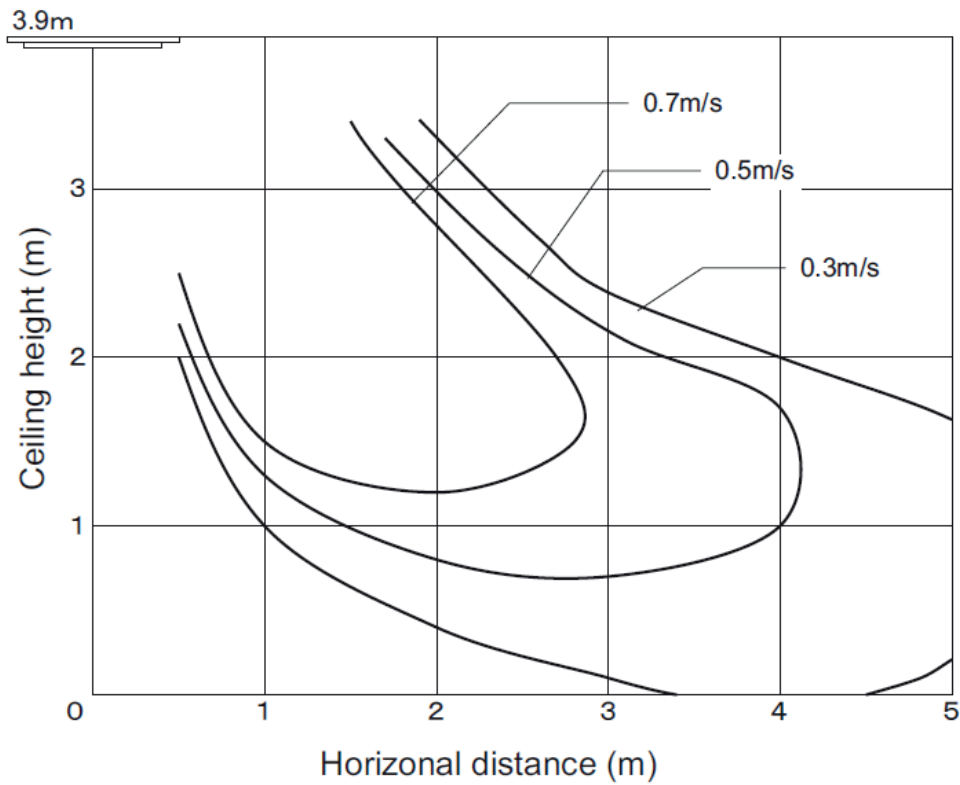
RAV-SH1801UP*



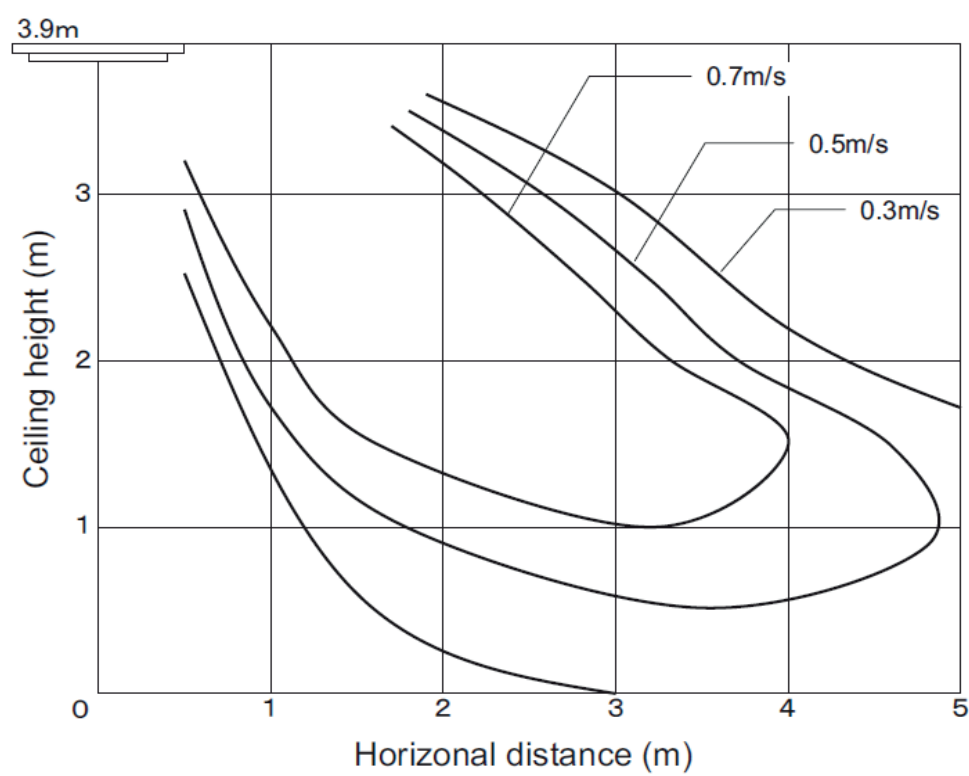
RAV-SH2401UP*



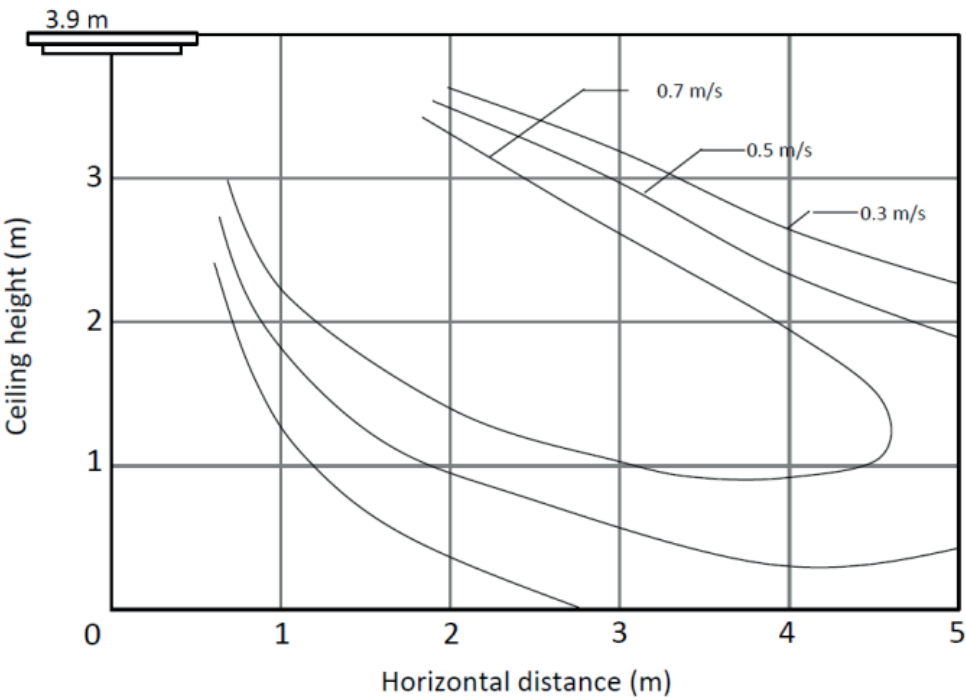
RAV-SH3001UP*



RAV-SH3601UP*



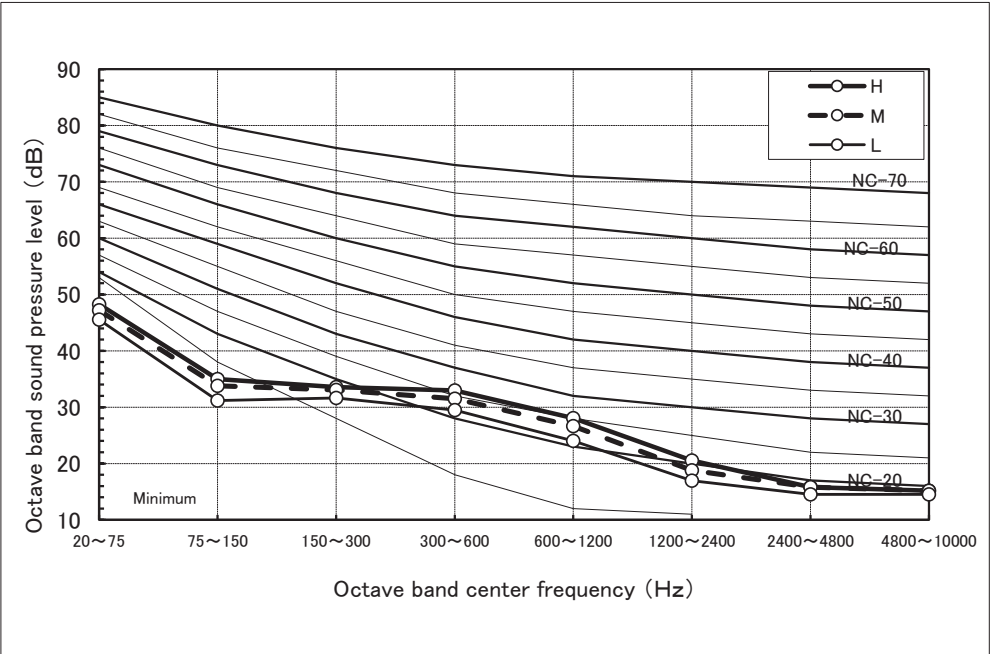
RAV-SH4801UP*



2-1-7. Sound characteristics (NC curve)

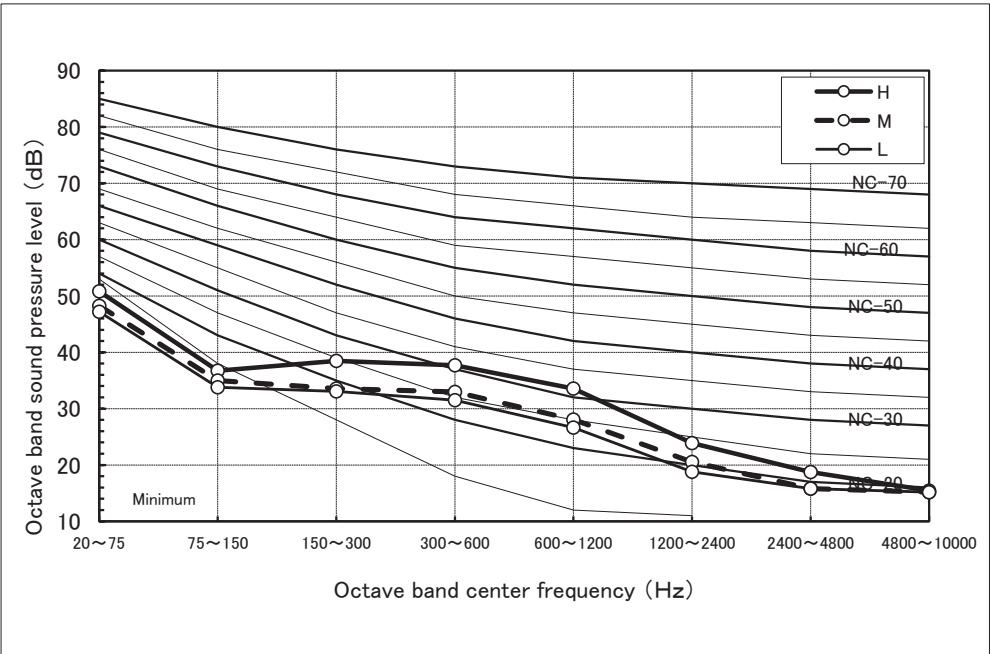
RAV-SH1801UP*

Specification (dB)			
Fan tap	H	M	L
Sound pressure level (dB(A))	37	36	34



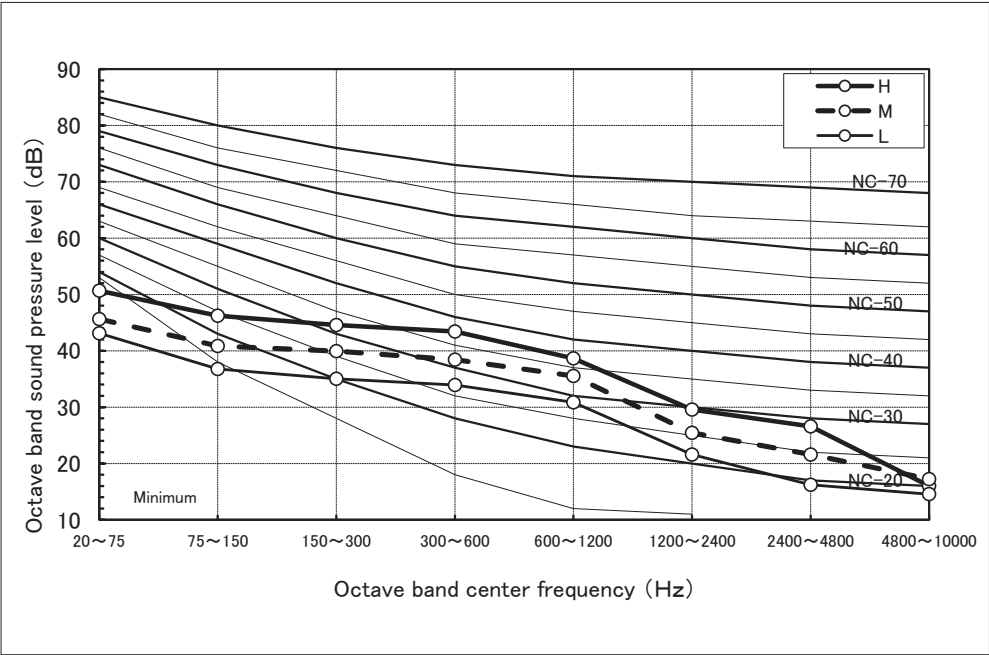
RAV-SH2401UP*

Specification (dB)			
Fan tap	H	M	L
Sound pressure level (dB(A))	40	37	36



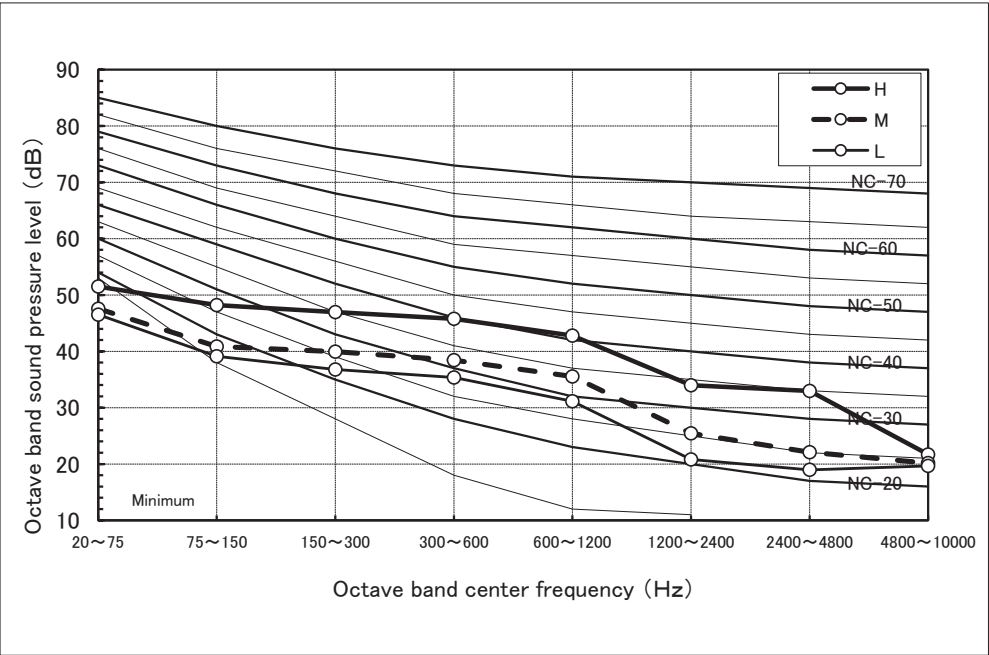
RAV-SH3001UP*

Specification (dB)			
Fan tap	H	M	L
Sound pressure level (dB(A))	46	42	37



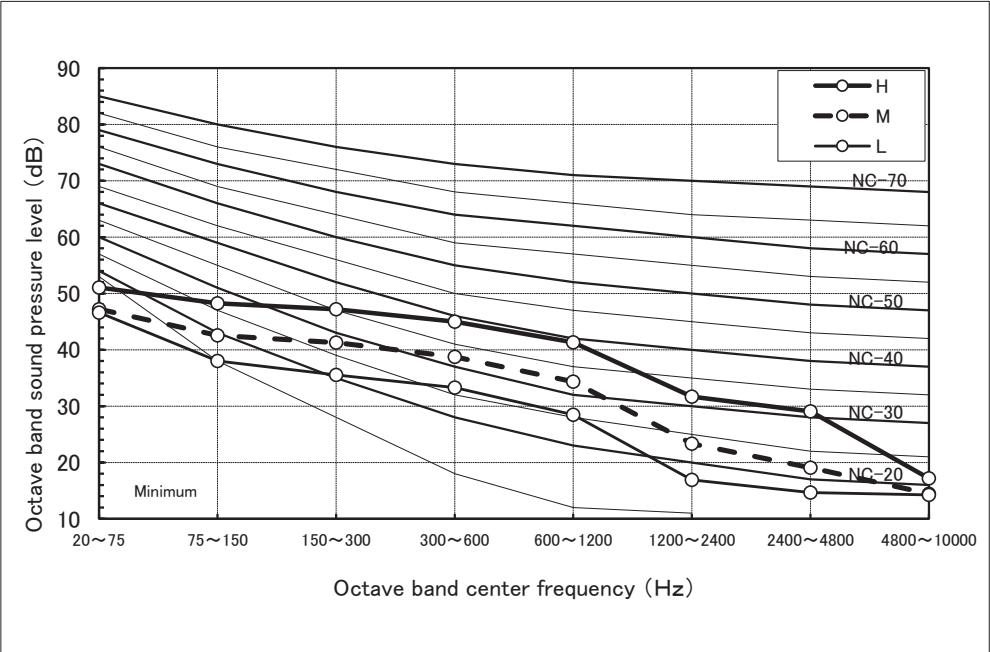
RAV-SH3601UP*

Specification (dB)			
Fan tap	H	M	L
Sound pressure level (dB(A))	47	43	39



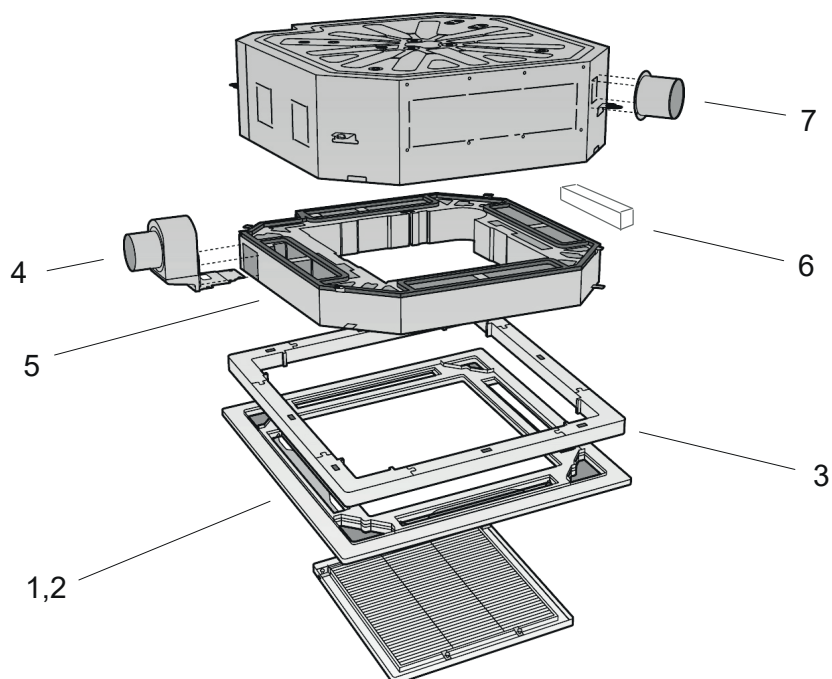
RAV-SH4801UP*

Specification (dB)			
Fan tap	H	M	L
Sound pressure level (dB(A))	49	45	43



2-1-8. Accessories

Optional parts for 4way cassette



Optional parts list

No	Type	Model name	Qty/unit	Note
1	Ceiling Panel (wide-flow louver)	RBC-U31PG(W)-E	1	White (2.5GY9.0/0.5)
2	Ceiling Panel (wide-flow louver)	RBC-U31PG(WS)-E	1	White (2.5GY9.0/0.5, 8B3/0.3)
3	Spacer for height adjustment	TCB-SP1602UE	1	50mm
4	Fresh-air chamber	TCB-GFC1602UE	1	use with TCB-GB1602U
5	Fresh-air intake box	TCB-GB1602UE	1	connection=Dia.100mm Fresh air intake ratio : Up to 110m ³ /h by 1chamber
6	Air-discharge direction kit	TCB-BC1602UE	1	6-direction patterns
7	Auxiliary fresh air flange	TCB-FF101URE2	1	connection=Dia.100mm Fresh air intake ratio : Up to 30m ³ /h

2-2. Duct Type

2-2-1. Specifications

2-2-2. Dimension

2-2-3. Wiring Diagrams

2-2-4. Sensible Capacity Table

2-2-5. Part Load Performance

2-2-6. Fan Static Characteristic

2-2-7. Sound Characteristics (NC Curve)

2-2-1. Specifications

Duct Type

Model	Indoor Unit		RAV-SH	1801BP-2B	1801BP-AE	1801BP-Q		
	Outdoor Unit		RAV-SH	B1801AP-2B	B1801AP-AE	1801AP-Q		
Cooling Capacity	(T1)		(kW)	5.28	5.30	5.30		
Cooling Capacity	(T3)		(kW)	4.50	4.50	4.50		
Power supply		Indoor Unit		1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz				
		Outdoor Unit		1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz				
Electrical characteristics	Cooling (T1)	Running current		(A)	7.05-6.45	7.05-6.45	7.05-6.45	
		Power consumption		(Kw)	1.475	1.475	1.475	
		Power factor		(%)	95	95	95	
		EER			3.58	3.59	3.59	
	Cooling (T3)	Running current		(A)	8.80-8.10	8.80-8.10	8.80-8.10	
		Power consumption		(Kw)	1.845	1.845	1.845	
		Power factor		(%)	95	95	95	
		EER			2.44	2.44	2.44	
	Maximum current		(A)	13.75	13.75	13.75		
Appearance				Zinc hot dipping steel plate				
Outer diamension	Main unit	Height		(mm)	275	275	275	
		Width		(mm)	1000	1000	1000	
		Depth		(mm)	750	750	750	
	Spigot flange (Sold separately)	Height		(mm)	263	263	263	
		Width		(mm)	684	684	684	
		Depth		(mm)	174	174	174	
Total weight		Main unit		(kg)	31	31	31	
		Spigot flange (Sold separately)		(kg)	2.5	2.5	2.5	
Soundproof / Heat-insulation material				Polyethylene foam				
Fan unit		Fan			Centrifugal fan			
		Standard air flow	H/M/L	(m³/h)	1500/1200/800	1500/1200/800	1500/1200/800	
		Motor			(W)	150		
		External static pressure (standard)			(Pa)	30		
		External static pressure			(Pa)	30/40/50/65/80/100/130		
Air filte				-				
Controller				-				
Sound pressure level			H/M/L	(dBA)	41/38/33	41/38/33	41/38/33	
Sound power level			H/M/L	(dBA)	56/53/48	56/53/48	56/53/48	
Connecting pipe		Gas side		(mm)	12.7			
		Liquid		(mm)	6.35			
		Drain port		(mm)	VP25			

*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 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

*2 : 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

Duct Type

Model	Indoor Unit			RAV-SH	1801BP-BA	1801BP-OM	1801BP-KW
	Outdoor Unit			RAV-SH	1801AP-BA	B1801AP-OM	1801AP-KW
Cooling Capacity	(T1)			(kW)	5.30	5.30	5.30
Cooling Capacity	(T3), (T4) for KW			(kW)	4.50	4.50	4.20
Power supply		Indoor Unit			1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz		
		Outdoor Unit			1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz		
Electrical characteristics	Cooling (T1)	Running current		(A)	7.05-6.45	7.05-6.45	7.05-6.45
		Power consumption		(Kw)	1.475	1.475	1.475
		Power factor		(%)	95	95	95
		EER			3.59	3.59	3.59
	Cooling (T3),(T4) for KW	Running current		(A)	8.80-8.10	8.80-8.10	8.65-7.90
		Power consumption		(Kw)	1.845	1.845	1.788
		Power factor		(%)	95	95	94
		EER			2.44	2.44	2.35
	Maximum current		(A)	13.75	13.75	13.75	
Appearance				Zinc hot dipping steel plate			
Outer dimension	Main unit	Height		(mm)	275	275	275
		Width		(mm)	1000	1000	1000
		Depth		(mm)	750	750	750
	Spigot flange (Sold separately)	Height		(mm)	263	263	263
		Width		(mm)	684	684	684
		Depth		(mm)	174	174	174
Total weight		Main unit		(kg)	31	31	31
		Spigot flange (Sold separately)		(kg)	2.5	2.5	2.5
Soundproof / Heat-insulation material				Polyethylene foam			
Fan unit		Fan		Centrifugal fan			
		Standard air flow	H/M/L	(m³/h)	1500/1200/800	1500/1200/800	1500/1200/800
		Motor		(W)	150		
		External static pressure (standard)		(Pa)	30		
		External static pressure		(Pa)	30/40/50/65/80/100/130		
Air filte				-			
Controller				-			
Sound pressure level		H/M/L		(dBA)	41/38/33	41/38/33	41/38/33
Sound power level		H/M/L		(dBA)	56/53/48	56/53/48	56/53/48
Connecting pipe		Gas side		(mm)	12.7		
		Liquid		(mm)	6.35		
		Drain port		(mm)	VP25		

*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 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

*2 : 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

Duct Type

Model	Indoor Unit		RAV-SH	2401BP-2B	2401BP-AE	2401BP-Q	
	Outdoor Unit		RAV-SH	B2401AP-2B	B2401AP-AE	2401AP-Q	
Cooling Capacity	(T1)		(kW)	6.60	6.60	6.60	
Cooling Capacity	(T3)		(kW)	5.61	5.60	5.60	
Power supply		Indoor Unit		1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz			
		Outdoor Unit		1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz			
Electrical characteristics	Cooling (T1)	Running current		(A)	9.15-8.40	9.15-8.40	9.15-8.40
		Power consumption		(Kw)	1.910	1.910	1.910
		Power factor		(%)	95	95	95
		EER			3.46	3.46	3.46
	Cooling (T3)	Running current		(A)	11.05-10.10	11.05-10.10	11.05-10.10
		Power consumption		(Kw)	2.305	2.305	2.305
		Power factor		(%)	95	95	95
		EER			2.43	2.43	2.43
	Maximum current		(A)	13.75	13.75	13.75	
Appearance				Zinc hot dipping steel plate			
Outer dimension	Main unit	Height		(mm)	275	275	275
		Width		(mm)	1000	1000	1000
		Depth		(mm)	750	750	750
	Spigot flange (Sold separately)	Height		(mm)	263	263	263
		Width		(mm)	984	984	984
		Depth		(mm)	174	174	174
Total weight		Main unit		(kg)	31	31	31
		Spigot flange (Sold separately)		(kg)	3.5	3.5	3.5
Soundproof / Heat-insulation material				Polyethylene foam			
Fan unit		Fan		Centrifugal fan			
		Standard air flow	H/M/L	(m³/h)	1500/1350/900	1500/1350/900	1500/1350/900
		Motor		(W)	150		
		External static pressure (standard)		(Pa)	30		
		External static pressure		(Pa)	30/40/50/65/80/100/130		
Air filte				-			
Controller				-			
Sound pressure level			H/M/L	(dBA)	41/39/36	41/39/36	41/39/36
Sound power level			H/M/L	(dBA)	56/54/51	56/54/51	56/54/51
Connecting pipe			Gas side		(mm)	15.9	
			Liquid		(mm)	9.52	
			Drain port		(mm)	VP25	

*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 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

*2 : 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

Duct Type

Model	Indoor Unit			RAV-SH	2401BP-BA	2401BP-OM	2401BP-KW	
	Outdoor Unit			RAV-SH	2401AP-BA	B2401AP-OM	2401AP-KW	
Cooling Capacity	(T1)			(kW)	6.60	6.60	6.60	
Cooling Capacity	(T3), (T4) for KW			(kW)	5.60	5.60	5.40	
Power supply		Indoor Unit			1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz			
		Outdoor Unit			1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz			
Electrical characteristics	Cooling (T1)	Running current			(A)	9.15-8.40	9.15-8.40	9.15-8.40
		Power consumption			(Kw)	1.910	1.910	1.910
		Power factor			(%)	95	95	95
		EER				3.46	3.46	3.46
	Cooling (T3),(T4) for KW	Running current			(A)	11.05-10.10	11.05-10.10	1090-10.00
		Power consumption			(Kw)	2.305	2.305	2.300
		Power factor			(%)	95	95	96
		EER				2.43	2.43	2.35
	Maximum current			(A)	13.75	13.75	13.75	
Appearance					Zinc hot dipping steel plate			
Outer dimension	Main unit	Height			(mm)	275	275	275
		Width			(mm)	1000	1000	1000
		Depth			(mm)	750	750	750
	Spigot flange (Sold separately)	Height			(mm)	263	263	263
		Width			(mm)	984	984	984
		Depth			(mm)	174	174	174
Total weight		Main unit			(kg)	31	31	31
		Spigot flange (Sold separately)			(kg)	3.5	3.5	3.5
Soundproof / Heat-insulation material					Polyethylene foam			
Fan unit		Fan			Centrifugal fan			
		Standard air flow	H/M/L		(m³/h)	1500/1350/900	1500/1350/900	1500/1350/900
		Motor			(W)	150		
		External static pressure (standard)			(Pa)	30		
		External static pressure			(Pa)	30/40/50/65/80/100/130		
Air filte					-			
Controller					-			
Sound pressure level			H/M/L		(dBA)	41/39/36	41/39/36	41/39/36
Sound power level			H/M/L		(dBA)	56/54/51	56/54/51	56/54/51
Connecting pipe		Gas side			(mm)	15.9		
		Liquid			(mm)	9.52		
		Drain port			(mm)	VP25		

*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 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

*2 : 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

Duct Type

Model	Indoor Unit			RAV-SH	3001BP-2B	3001BP-AE	3001BP-Q	
	Outdoor Unit			RAV-SH	B3001AP-2B	B3001AP-AE	3001AP-Q	
Cooling Capacity	(T1)			(kW)	8.80	8.80	8.80	
Cooling Capacity	(T3)			(kW)	7.50	7.50	7.50	
Power supply		Indoor Unit			1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz			
		Outdoor Unit			1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz			
Electrical characteristics	Cooling (T1)	Running current			(A)	11.85-10.85	11.85-10.85	11.85-10.85
		Power consumption			(Kw)	2.480	2.480	2.480
		Power factor			(%)	95	95	95
		EER				3.55	3.55	3.55
	Cooling (T3)	Running current			(A)	14.60-13.40	14.60-13.40	14.60-13.40
		Power consumption			(Kw)	3.085	3.085	3.085
		Power factor			(%)	96	96	96
		EER				2.43	2.43	2.43
	Maximum current			(A)	21.20	21.20	21.20	
Appearance					Zinc hot dipping steel plate			
Outer dimension	Main unit	Height			(mm)	275	275	275
		Width			(mm)	1400	1400	1400
		Depth			(mm)	750	750	750
	Spigot flange (Sold separately)	Height			(mm)	263	263	263
		Width			(mm)	1384	1384	1384
		Depth			(mm)	174	174	174
Total weight		Main unit			(kg)	41	41	41
		Spigot flange (Sold separately)			(kg)	5	5	5
Soundproof / Heat-insulation material					Polyethylene foam			
Fan unit		Fan			Centrifugal fan			
		Standard air flow	H/M/L		(m³/h)	2000/1700/1200	2000/1700/1200	2000/1700/1200
		Motor			(W)	250		
		External static pressure (standard)			(Pa)	50		
		External static pressure			(Pa)	30/50/65/80/100/125/160		
Air filte					-			
Controller					-			
Sound pressure level			H/M/L		(dBA)	42/41/38	42/41/38	42/41/38
Sound power level			H/M/L		(dBA)	57/56/53	57/56/53	57/56/53
Connecting pipe			Gas side		(mm)	15.9		
			Liquid		(mm)	9.52		
			Drain port		(mm)	VP25		

*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 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

*2 : 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

Duct Type

Model	Indoor Unit			RAV-SH	3001BP-BA	3001BP-OM	3001BP-KW	
	Outdoor Unit			RAV-SH	3001AP-BA	B3001AP-OM	3001AP-KW	
Cooling Capacity	(T1)			(kW)	8.80	8.80	8.80	
Cooling Capacity	(T3), (T4) for KW			(kW)	7.50	7.50	7.30	
Power supply		Indoor Unit			1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz			
		Outdoor Unit			1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz			
Electrical characteristics	Cooling (T1)	Running current			(A)	11.85-10.85	11.85-10.85	11.85-10.85
		Power consumption			(Kw)	2.480	2.480	2.480
		Power factor			(%)	95	95	95
		EER				3.55	3.55	3.55
	Cooling (T3),(T4) for KW	Running current			(A)	14.60-13.40	14.60-13.40	14.70-13.50
		Power consumption			(Kw)	3.085	3.085	3.115
		Power factor			(%)	96	96	96
		EER				2.43	2.43	2.34
	Maximum current			(A)	21.20	21.20	21.20	
Appearance					Zinc hot dipping steel plate			
Outer dimension	Main unit	Height			(mm)	275	275	275
		Width			(mm)	1400	1400	1400
		Depth			(mm)	750	750	750
	Spigot flange (Sold separately)	Height			(mm)	263	263	263
		Width			(mm)	1384	1384	1384
		Depth			(mm)	174	174	174
Total weight		Main unit			(kg)	41	41	41
		Spigot flange (Sold separately)			(kg)	5	5	5
Soundproof / Heat-insulation material					Polyethylene foam			
Fan unit		Fan			Centrifugal fan			
		Standard air flow	H/M/L		(m³/h)	2000/1500/1200	2000/1500/1200	2000/1500/1200
		Motor			(W)	250		
		External static pressure (standard)			(Pa)	50		
		External static pressure			(Pa)	30/50/65/80/100/125/160		
Air filte					-			
Controller					-			
Sound pressure level			H/M/L		(dBA)	42/41/38	42/41/38	42/41/38
Sound power level			H/M/L		(dBA)	57/56/53	57/56/53	57/56/53
Connecting pipe		Gas side			(mm)	15.9		
		Liquid			(mm)	9.52		
		Drain port			(mm)	VP25		

*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 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

*2 : 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

Duct Type

Model	Indoor Unit		RAV-SH	3601BP-2B	3601BP-AE	3601BP-Q	
	Outdoor Unit		RAV-SH	B3601AP-2B	B3601AP-AE	3601AP-Q	
Cooling Capacity	(T1)		(kW)	10.10	10.10	10.10	
Cooling Capacity	(T3)		(kW)	8.60	8.60	8.60	
Power supply		Indoor Unit		1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz			
		Outdoor Unit		1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz			
Electrical characteristics	Cooling (T1)	Running current		(A)	13.90-12.80	13.90-12.80	13.90-12.80
		Power consumption		(Kw)	2.920	2.920	2.920
		Power factor		(%)	95	95	95
		EER			3.46	3.46	3.46
	Cooling (T3)	Running current		(A)	16.60-15.20	16.60-15.20	16.60-15.20
		Power consumption		(Kw)	3.520	3.520	3.520
		Power factor		(%)	96	96	96
		EER			2.44	2.44	2.44
	Maximum current		(A)	22.30	22.30	22.30	
Appearance				Zinc hot dipping steel plate			
Outer dimension		Height		(mm)	298	298	298
		Width		(mm)	1400	1400	1400
		Depth		(mm)	750	750	750
Total weight		Main unit		(kg)	42	42	42
Soundproof / Heat-insulation material				Polyethylene foam			
Fan unit		Fan			Centrifugal fan		
		Standard air flow	H/M/L	(m³/h)	2300/2000/1400	2300/2000/1400	2300/2000/1400
		Motor		(W)	350		
		External static pressure (standard)		(Pa)	50		
		External static pressure		(Pa)	30/50/80/100/125/150/180		
Air filte				-			
Controller				-			
Sound pressure level			H/M/L	(dBA)	44/43/39	44/43/39	44/43/39
Sound power level			H/M/L	(dBA)	59/58/54	59/58/54	59/58/54
Connecting pipe			Gas side		(mm)	15.9	
			Liquid		(mm)	9.52	
			Drain port		(mm)	VP25	

*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 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

*2 : 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

Duct Type

Model	Indoor Unit		RAV-SH	3601BP-BA	3601BP-OM	3601BP-KW	
	Outdoor Unit		RAV-SH	3601AP-BA	B3601AP-OM	3601AP-KW	
Cooling Capacity	(T1)		(kW)	10.10	10.10	10.10	
Cooling Capacity	(T3), (T4) for KW		(kW)	8.60	8.60	8.30	
Power supply		Indoor Unit		1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz			
		Outdoor Unit		1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz			
Electrical characteristics	Cooling (T1)	Running current		(A)	13.90-12.80	13.90-12.80	13.90-12.80
		Power consumption		(Kw)	2.920	2.920	2.920
		Power factor		(%)	95	95	95
		EER			3.46	3.46	3.46
	Cooling (T3),(T4) for KW	Running current		(A)	16.60-15.20	16.60-15.20	16.70-15.30
		Power consumption		(Kw)	3.520	3.520	3.540
		Power factor		(%)	96	96	96
		EER			2.44	2.44	2.34
	Maximum current		(A)	22.30	22.30	22.30	
Appearance				Zinc hot dipping steel plate			
Outer dimension		Height		(mm)	298	298	298
		Width		(mm)	1400	1400	1400
		Depth		(mm)	750	750	750
Total weight		Main unit		(kg)	42	42	42
Soundproof / Heat-insulation material				Polyethylene foam			
Fan unit		Fan		Centrifugal fan			
		Standard air flow	H/M/L	(m³/h)	2300/2000/1400	2300/2000/1400	2300/2000/1400
		Motor		(W)	350		
		External static pressure (standard)		(Pa)	50		
		External static pressure		(Pa)	30/50/80/100/125/150/180		
Air filte				-			
Controller				-			
Sound pressure level		H/M/L		(dBA)	44/43/39	44/43/39	44/43/39
Sound power level		H/M/L		(dBA)	59/58/54	59/58/54	59/58/54
Connecting pipe		Gas side		(mm)	15.9		
		Liquid		(mm)	9.52		
		Drain port		(mm)	VP25		

*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 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

*2 : 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

Duct Type

Model	Indoor Unit		RAV-SH	4801BP-2B	4801BP-AE	4801BP-Q	
	Outdoor Unit		RAV-SH	B4801AP-2B	B4801AP-AE	4801AP-Q	
Cooling Capacity	(T1)		(kW)	12.50	12.50	12.50	
Cooling Capacity	(T3)		(kW)	11.00	11.00	11.00	
Power supply		Indoor Unit		1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz			
		Outdoor Unit		3Ph. 380-415V ~50Hz & 3Ph. 380-400V ~60Hz			
Electrical characteristics	Cooling (T1)	Running current		(A)	5.90-5.40	5.90-5.40	5.90-5.40
		Power consumption		(Kw)	3.610	3.620	3.620
		Power factor		(%)	93	93	93
		EER			3.46	3.45	3.45
	Cooling (T3)	Running current		(A)	7.45-6.80	7.45-6.80	7.45-6.80
		Power consumption		(Kw)	4.510	4.510	4.510
		Power factor		(%)	92	92	92
		EER			2.44	2.44	2.44
	Maximum current		(A)	15.85	15.85	15.85	
Appearance				Zinc hot dipping steel plate			
Outer diamension		Height		(mm)	298	298	298
		Width		(mm)	1400	1400	1400
		Depth		(mm)	750	750	750
Total weight		Main unit		(kg)	42	42	42
Soundproof / Heat-insulation material				Polyethylene foam			
Fan unit		Fan		Centrifugal fan			
		Standard air flow	H/M/L	(m³/h)	3200/2700/1560	3200/2700/1560	3200/2700/1560
		Motor		(W)	350		
		External static pressure (standard)		(Pa)	50		
		External static pressure		(Pa)	30/50/80/100/125/150/180		
Air filte				-			
Controller				-			
Sound pressure level			H/M/L	(dBA)	53/50/41	53/50/41	53/50/41
Sound power level			H/M/L	(dBA)	68/65/56	68/65/56	68/65/56
Connecting pipe		Gas side		(mm)	15.9		
		Liquid		(mm)	9.52		
		Drain port		(mm)	VP25		

*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 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

*2 : 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

Duct Type

Model	Indoor Unit		RAV-SH	4801BP-BA	4801BP-OM	4801BP-KW		
	Outdoor Unit		RAV-SH	4801AP-BA	B4801AP-OM	4801AP-KW		
Cooling Capacity	(T1)		(kW)	12.50	12.50	12.500		
Cooling Capacity	(T3), (T4) for KW		(kW)	11.00	11.00	10.20		
Power supply		Indoor Unit		1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz				
		Outdoor Unit		3Ph. 380-415V ~50Hz & 3Ph. 380-400V ~60Hz				
Electrical characteristics	Cooling (T1)	Running current		(A)	5.90-5.40	5.90-5.40	5.90-5.40	
		Power consumption		(Kw)	3.620	3.620	3.620	
		Power factor		(%)	93	93	93	
		EER			3.45	3.45	3.45	
	Cooling (T3),(T4) for KW	Running current		(A)	7.45-6.80	7.45-6.80	7.30-6.65	
		Power consumption		(Kw)	4.510	4.510	4.350	
		Power factor		(%)	92	92	91	
		EER			2.44	2.44	2.34	
	Maximum current		(A)	15.85	15.85	15.85		
Appearance				Zinc hot dipping steel plate				
Outer dimension		Height		(mm)	298	298	298	
		Width		(mm)	1400	1400	1400	
		Depth		(mm)	750	750	750	
Total weight		Main unit		(kg)	42	42	42	
Soundproof / Heat-insulation material				Polyethylene foam				
Fan unit		Fan			Centrifugal fan			
		Standard air flow	H/M/L	(m³/h)	3200/2700/1560	3200/2700/1560	3200/2700/1560	
		Motor			(W)	350		
		External static pressure (standard)			(Pa)	50		
		External static pressure			(Pa)	30/50/80/100/125/150/180		
Air filte				-				
Controller				-				
Sound pressure level		H/M/L		(dBA)	53/50/41	53/50/41	53/50/41	
Sound power level		H/M/L		(dBA)	68/65/56	68/65/56	68/65/56	
Connecting pipe		Gas side		(mm)	15.9			
		Liquid		(mm)	9.52			
		Drain port		(mm)	VP25			

*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 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

*2 : 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

Duct Type

Model	Indoor Unit		RAV-SH	6001BP-2B1	6001BP-AE1	6001BP-Q1	
	Outdoor Unit		RAV-SH	B6001A8P-2B	B6001A8P-AE	6001A8P-Q	
Cooling Capacity	(T1) ... Note 1		(kW)	14.20	14.20	14.20	
Cooling Capacity	(T3)		(kW)	12.60	12.60	12.60	
Power supply		Indoor Unit		1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz			
		Outdoor Unit		3Ph. 380-415V ~50Hz & 3Ph. 380-400V ~60Hz			
Electrical characteristics	Cooling (T1)	Running current		(A)	6.65-6.10	6.65-6.10	6.65-6.10
		Power consumption		(Kw)	3.940	3.940	3.940
		Power factor		(%)	90	90	90
		EER			3.60	3.60	3.60
	Cooling (T3)	Running current		(A)	7.50-6.90	7.50-6.90	7.50-6.90
		Power consumption		(Kw)	4.510	4.510	4.510
		Power factor		(%)	91	91	91
		EER			3.60	2.79	2.79
	Maximum current		(A)	15.25	15.25	15.25	
Appearance				Zinc hot dipping steel plate			
Outer diamension		Height		(mm)	448	448	448
		Width		(mm)	1400	1400	1400
		Depth		(mm)	900	900	900
Total weight		Main unit		(kg)	97	97	97
Soundproof / Heat-insulation material				Polyethylene foam			
Fan unit		Fan			Centrifugal fan		
		Standard air flow	H/M/L	(m³/h)	3600/3240/2500		
		Motor			(W)	1000	
		External static pressure (standard)			(Pa)	50	
		External static pressure			(Pa)	50/80/120/150/180/200/250	
Air filte				Sold separately (TCB-LK2801DP-E)			
Controller				Remote controller			
Sound pressure level ... Note 2			H/M/L	(dBA)	44/40/36	44/40/36	44/40/36
Sound power level			H/M/L	(dBA)	79/75/71	79/75/71	79/75/71
Connecting pipe			Gas side		(mm)	19.0	
			Liquid		(mm)	9.52	
			Drain port		(mm)	VP25 (Polyvinyl chloride tube)	

Note 1 : The cooling capacities and electrical characteristics are measured under the conditions specified by JIS B8615 based on the reference piping.

The reference piping consists of 7.5 m. piping connected with 0 meter height.

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

Note2 : 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 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.

Duct Type

Model	Indoor Unit		RAV-SH	6001BP-BA1	6001BP-OM1	6001BP-KW1	
	Outdoor Unit		RAV-SH	6001A8P-BA	B6001A8P-OM	B6001A8P-KW	
Cooling Capacity	(T1) ... Note 1		(kW)	14.20	14.20	14.20	
Cooling Capacity	(T3)		(kW)	12.60	12.60	11.40	
Power supply		Indoor Unit		1Ph. 220-240V~50Hz. & 1Ph. 220-230V~60Hz			
		Outdoor Unit		3Ph. 380-415V ~50Hz & 3Ph. 380-400V ~60Hz			
Electrical characteristics	Cooling (T1)	Running current		(A)	6.65-6.10	6.65-6.10	6.65-6.10
		Power consumption		(Kw)	3.940	3.940	3.940
		Power factor		(%)	91	91	90
		EER			2.79	2.79	3.60
	Cooling (T3)	Running current		(A)	7.50-6.90	7.50-6.90	7.90-7.20
		Power consumption		(Kw)	4.580	4.580	4.720
		Power factor		(%)	90	90	91
		EER			3.60	3.60	2.42
	Maximum current		(A)	15.25	15.25	15.25	
Appearance				Zinc hot dipping steel plate			
Outer diamension		Height		(mm)	448	448	448
		Width		(mm)	1400	1400	1400
		Depth		(mm)	900	900	900
Total weight		Main unit		(kg)	97	97	97
Soundproof / Heat-insulation material				Polyethylene foam			
Fan unit		Fan			Centrifugal fan		
		Standard air flow	H/M/L	(m³/ hr.)	3600/3240/2500		
		Motor			(W)	1000	
		External static pressure (standard)			(Pa)	50	
		External static pressure			(Pa)	50/80/120/150/180/200/250	
Air filte				Sold separately (TCB-LK2801DP-E)			
Controller				Remote controller			
Sound pressure level ... Note 2			H/M/L	(dBA)	44/40/36	44/40/36	44/40/36
Sound power level			H/M/L	(dBA)	79/75/71	79/75/71	79/75/71
Connecting pipe			Gas side		(mm)	19.0	
			Liquid		(mm)	9.52	
			Drain port		(mm)	VP25 (Polyvinyl chloride tube)	

Note 1 : The cooling capacities and electrical characteristics are measured under the conditions specified by JIS B8615 based on the reference piping.
The reference piping consists of 7.5 m. piping connected with 0 meter height.

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

Note2 : 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 effects of external sound.

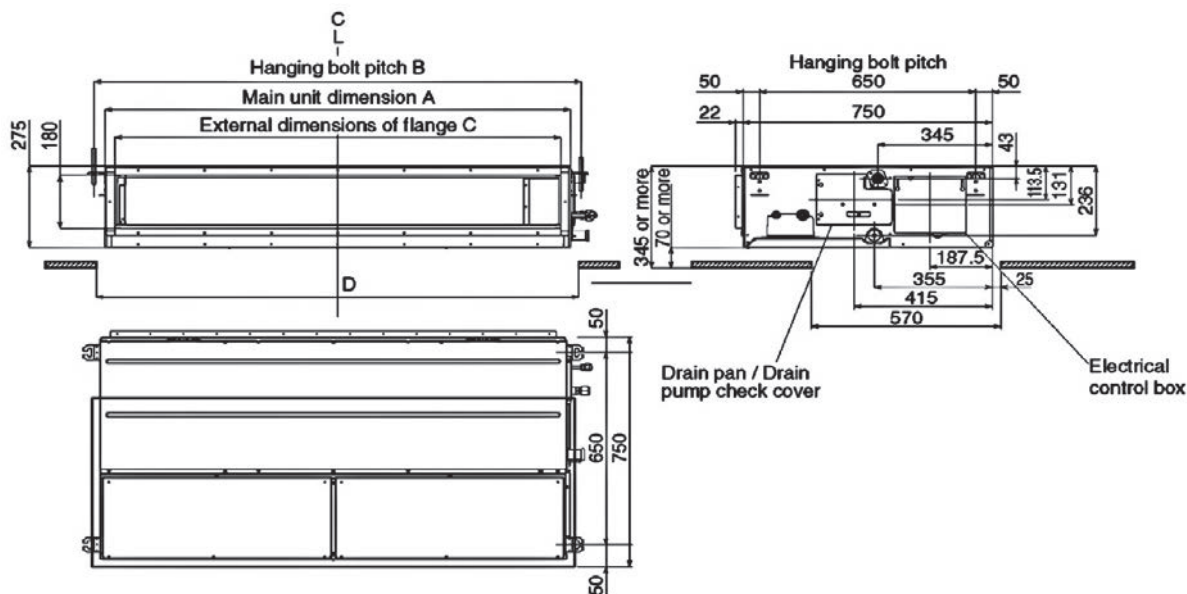
Note : Rated conditions

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.

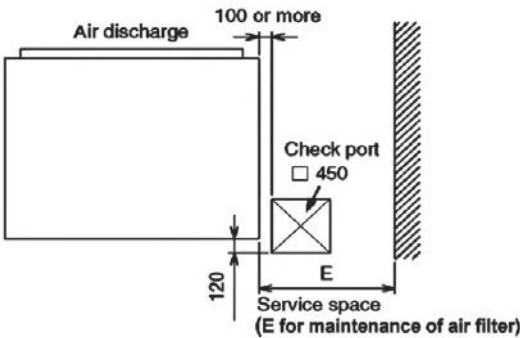
2-2-2. Dimension

RAV-SH1801BP-Q / BA / OM / AE / 2B / KW
RAV-SH2401BP-Q / BA / OM / AE / 2B / KW
RAV-SH3001BP-Q / BA / OM / AE / 2B / KW



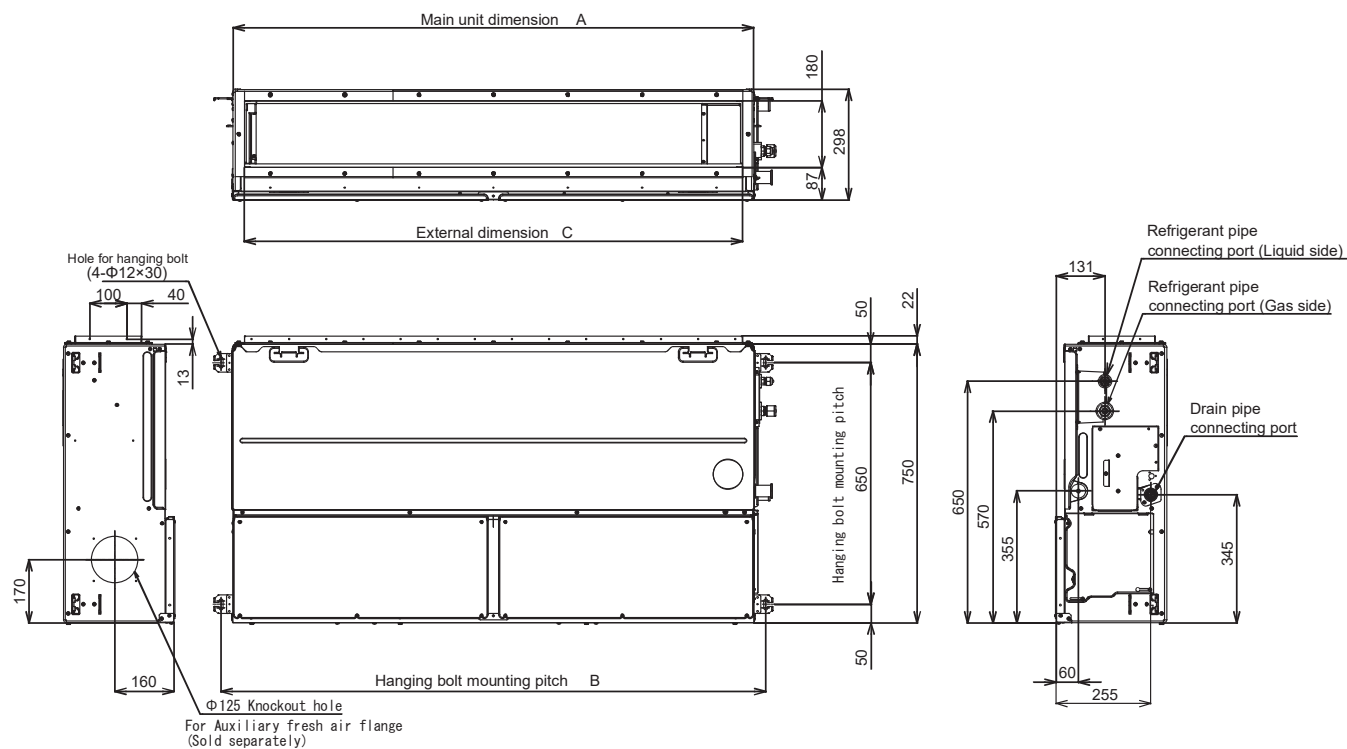
Dimension

Model RAV-	A	B	C	D
SH1801 ~ 2401 type	1000	1065	940	1050
SH3001 type	1400	1465	1340	1450



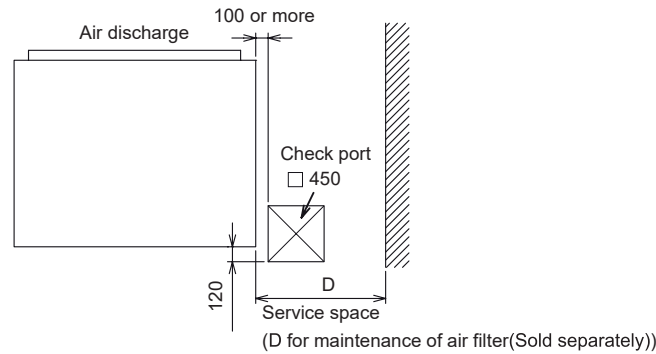
Model RAV-	E
SH1801 ~ 2401 type	500
SH3001 type	700

RAV-SH3601BP-Q / BA / OM / AE / 2B / KW
RAV-SH4801BP-Q / BA / OM / AE / 2B / KW

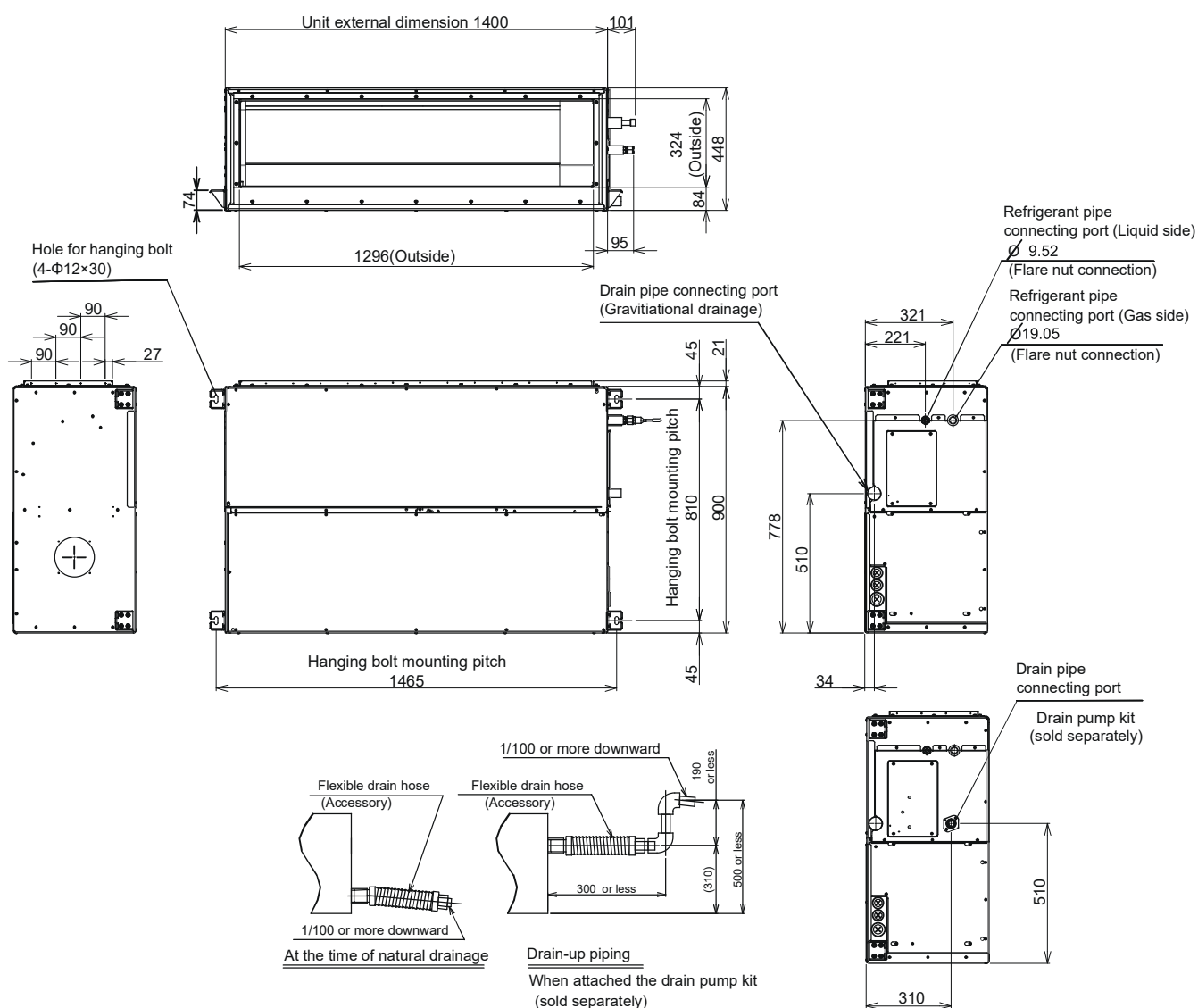


Dimension

Model RAV-	A	B	C	D
SH3601 ~ 4801 Type	1400	1465	1340	700

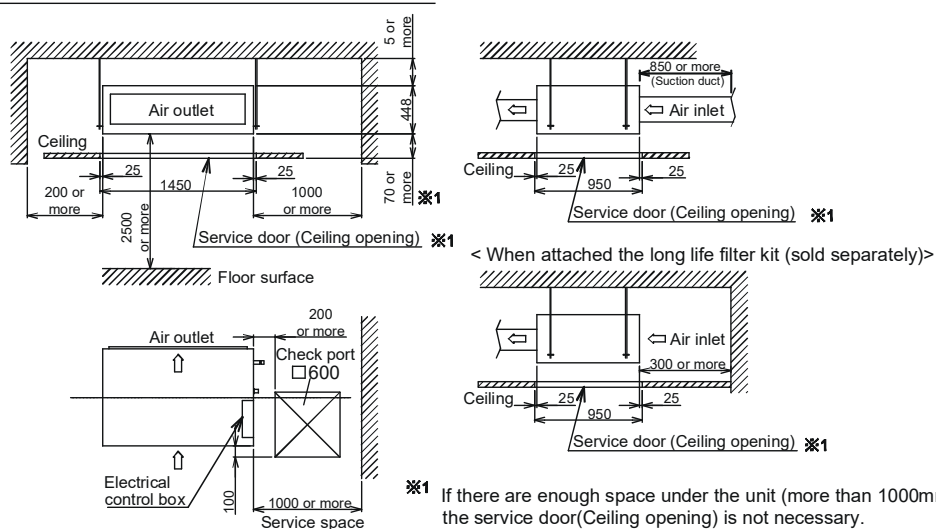


RAV-SH6001BP-Q1 / BA1 / OM1 / AE1 / 2B1 / KW1



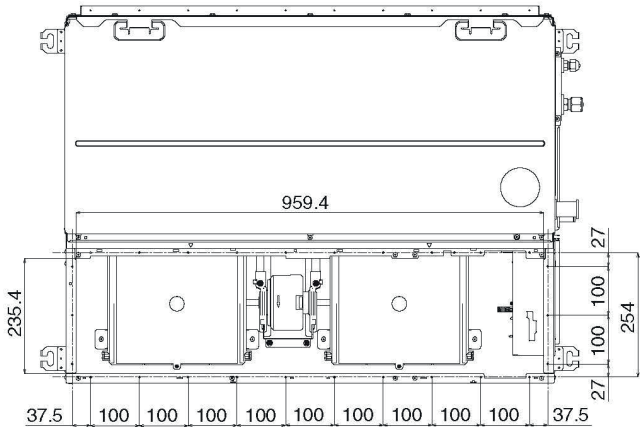
Unit : mm

Space required for installation and servicing

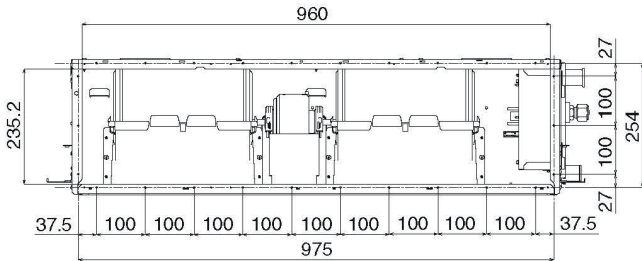


SH1801, SH2401 type

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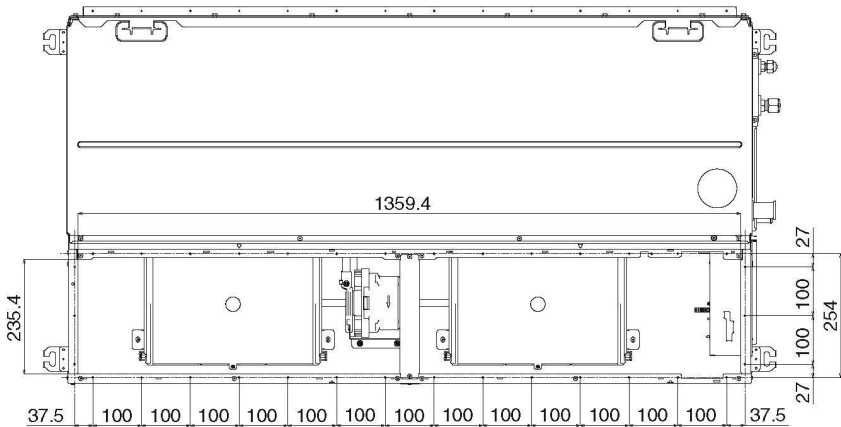


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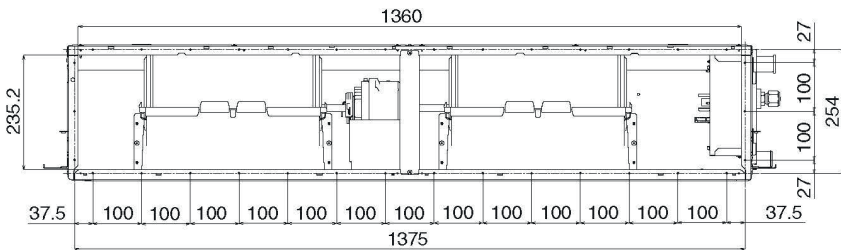


SH3001 type

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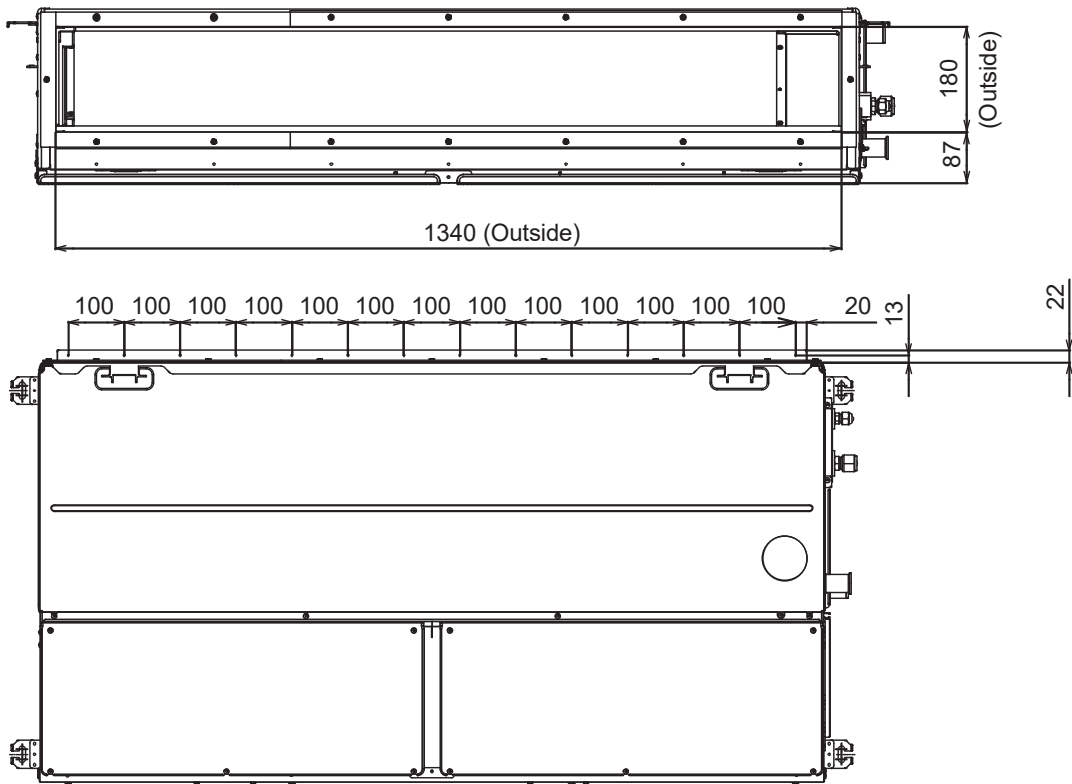


<Back air intake>

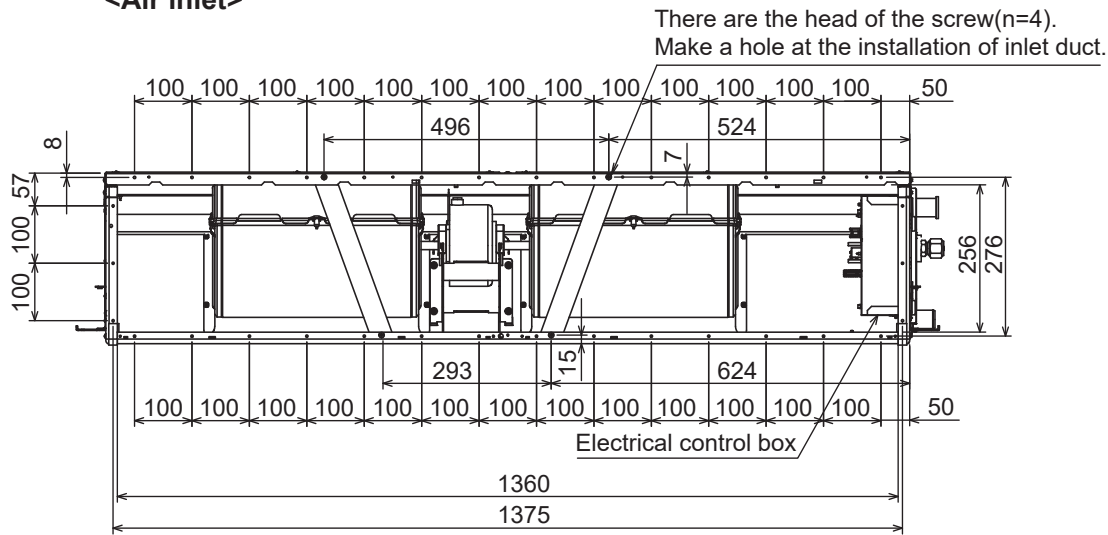


SH3601, SH4801 type

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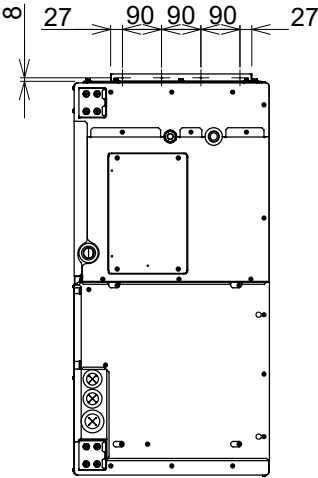
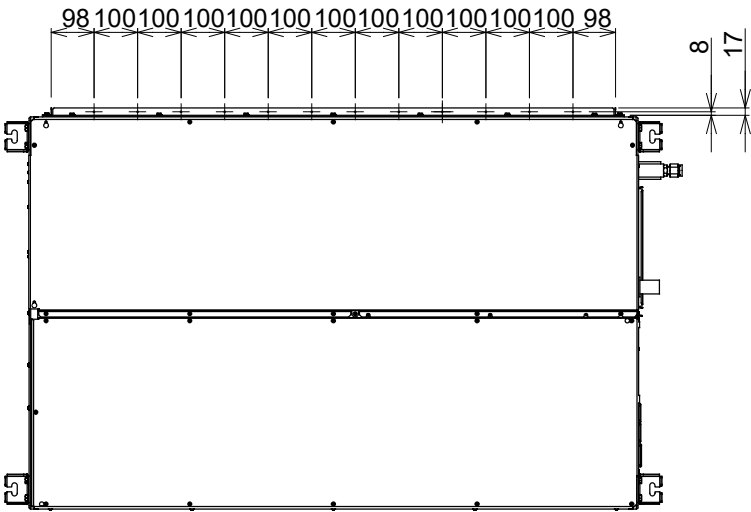


<Air inlet>

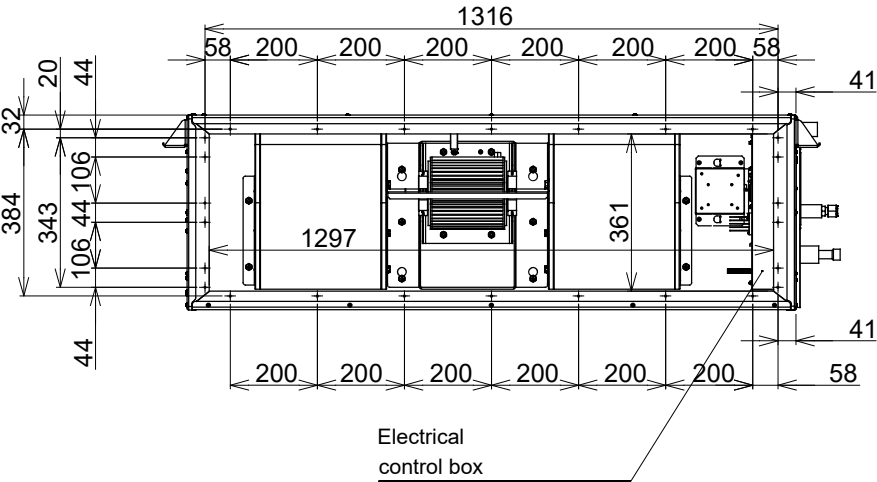


SH6001 type

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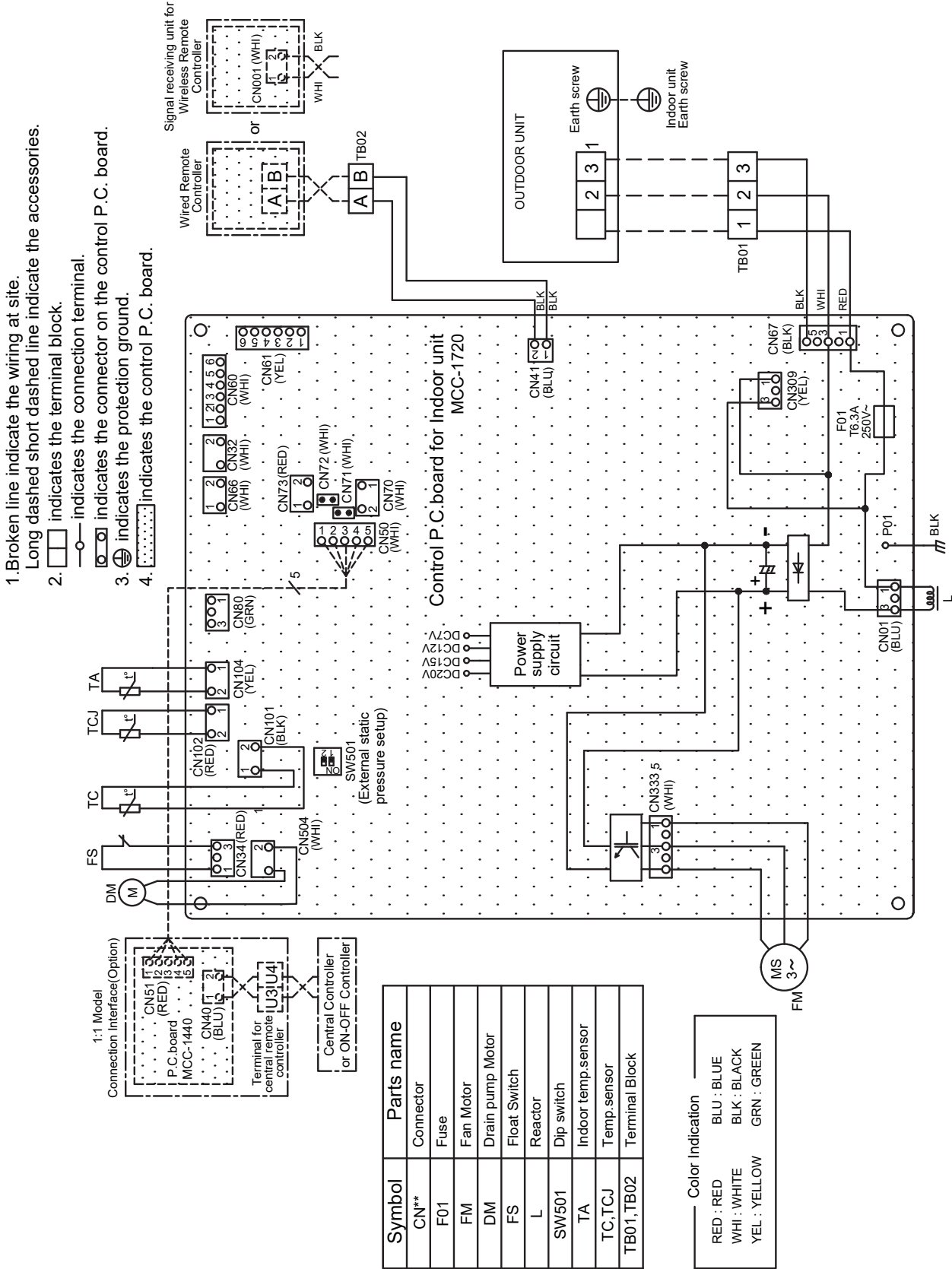


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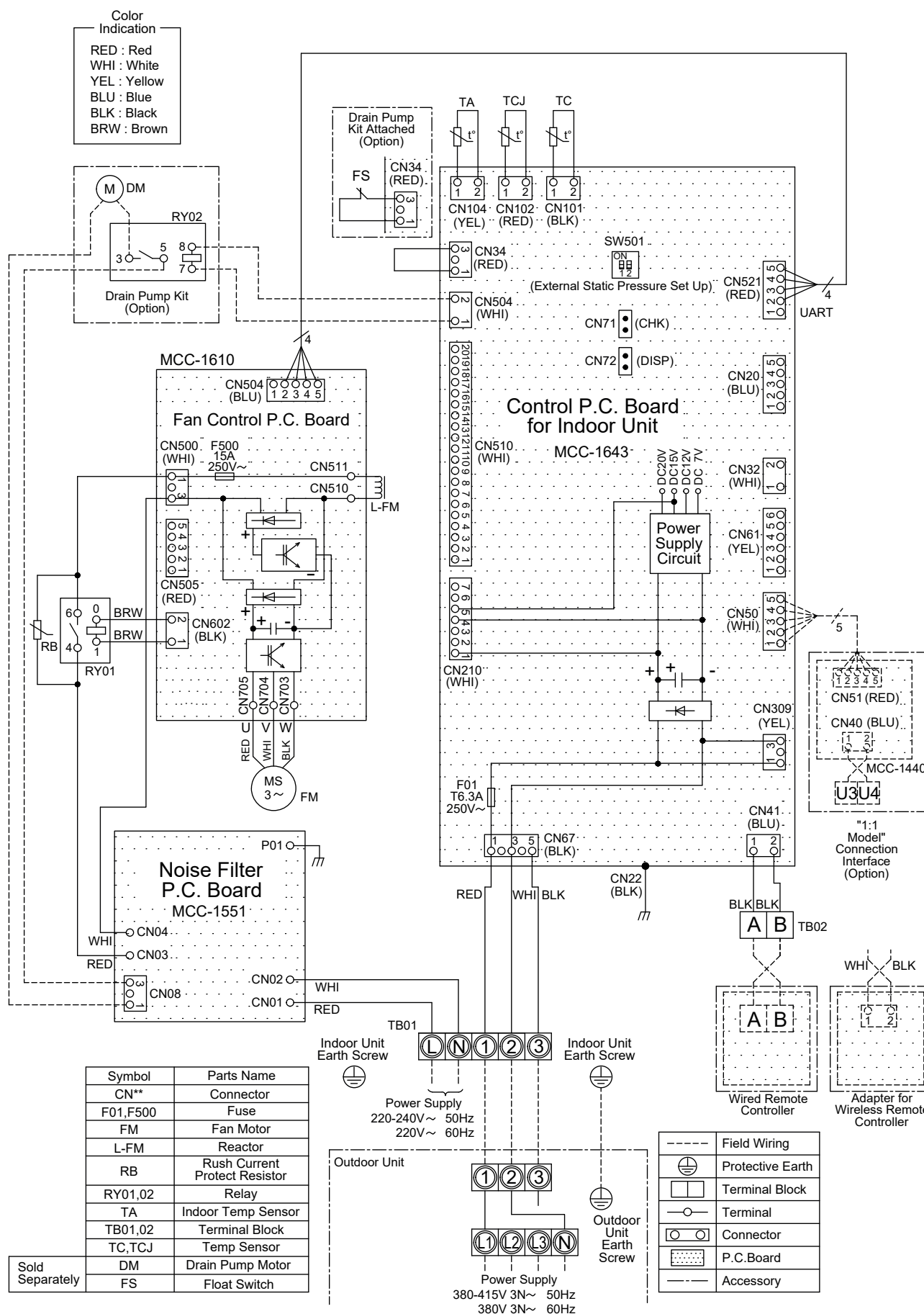


2-2-3. Wiring Diagrams

- RAV-SH1801BP-Q / BA / OM / AE / 2B / KW
- RAV-SH2401BP-Q / BA / OM / AE / 2B / KW
- RAV-SH3001BP-Q / BA / OM / AE / 2B / KW
- RAV-SH3601BP-Q / BA / OM / AE / 2B / KW
- RAV-SH4801BP-Q / BA / OM / AE / 2B / KW



RAV-SH6001BP-Q1 / BA1 / OM1 / AE1 / 2B1 / KW1



2-2-4. Sensible Capacity Table

Product models : RAV-SH1801BP-2B : RAV-SHB1801AP-2B

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	5.28	4.50
Sensible Heat Capacity (SHC)	(kW)	5.02	4.32
Power Input (P)	(kW)	1.475	1.845

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	5.18	5.23	0.97	5.34	5.35	0.97	5.66	5.57	0.99	5.82	5.68	1.00	6.14	5.89	1.01	6.30	5.99	1.02	6.46	6.08	1.02	6.33	6.08	1.02	6.78	6.27	1.04	7.11	6.44	1.05
23.0	5.06	5.11	1.03	5.21	5.22	1.04	5.53	5.44	1.05	5.68	5.55	1.06	6.00	5.75	1.07	6.16	5.85	1.08	6.31	5.94	1.09	6.19	5.94	1.09	6.63	6.12	1.10	6.94	6.29	1.12
25.0	4.94	4.99	1.09	5.09	5.10	1.10	5.40	5.31	1.12	5.55	5.42	1.12	5.86	5.61	1.14	6.01	5.71	1.15	6.16	5.80	1.15	6.04	5.80	1.15	6.47	5.98	1.17	6.78	6.14	1.19
27.0	4.82	4.87	1.16	4.97	4.98	1.16	5.27	5.18	1.18	5.41	5.29	1.19	5.71	5.48	1.20	5.86	5.57	1.21	6.01	5.66	1.22	5.89	5.66	1.22	6.31	5.83	1.24	6.61	5.99	1.25
29.0	4.70	4.75	1.22	4.84	4.85	1.23	5.13	5.06	1.24	5.28	5.15	1.25	5.57	5.34	1.27	5.72	5.43	1.28	5.86	5.52	1.29	5.75	5.52	1.28	6.16	5.69	1.30	6.45	5.84	1.32
31.0	4.58	4.63	1.28	4.72	4.73	1.29	5.00	4.93	1.31	5.15	5.02	1.32	5.43	5.21	1.33	5.57	5.29	1.34	5.71	5.38	1.35	5.60	5.38	1.35	6.00	5.54	1.37	6.28	5.70	1.39
33.0	4.46	4.50	1.34	4.60	4.60	1.35	4.87	4.80	1.37	5.01	4.89	1.38	5.29	5.07	1.40	5.43	5.15	1.41	5.56	5.24	1.42	5.45	5.23	1.42	5.84	5.40	1.44	6.12	5.55	1.46
35.0	4.34	4.38	1.41	4.47	4.48	1.42	4.74	4.67	1.44	4.88	4.76	1.45	5.15	4.93	1.47	5.28	5.02	1.48	5.41	5.10	1.48	5.31	5.09	1.48	5.68	5.25	1.50	5.95	5.40	1.52
37.0	4.22	4.26	1.47	4.35	4.36	1.48	4.61	4.54	1.50	4.74	4.63	1.51	5.00	4.80	1.53	5.13	4.88	1.54	5.27	4.96	1.55	5.16	4.95	1.55	5.53	5.11	1.57	5.79	5.25	1.59
39.0	4.10	4.14	1.53	4.22	4.23	1.54	4.48	4.41	1.56	4.61	4.50	1.57	4.86	4.66	1.60	4.99	4.74	1.61	5.12	4.82	1.62	5.01	4.81	1.61	5.37	4.96	1.64	5.62	5.10	1.66
41.0	3.98	4.02	1.59	4.10	4.11	1.60	4.35	4.28	1.63	4.47	4.36	1.64	4.72	4.52	1.66	4.84	4.60	1.67	4.97	4.67	1.68	4.87	4.67	1.68	5.21	4.82	1.71	5.46	4.95	1.73
43.0	3.86	3.90	1.66	3.98	3.99	1.67	4.22	4.15	1.69	4.34	4.23	1.70	4.58	4.39	1.73	4.70	4.46	1.74	4.82	4.53	1.75	4.72	4.53	1.75	5.06	4.67	1.77	5.30	4.80	1.80
44.0	3.80	3.84	1.69	3.92	3.92	1.70	4.15	4.09	1.72	4.27	4.17	1.73	4.51	4.32	1.76	4.62	4.39	1.77	4.74	4.46	1.78	4.65	4.46	1.78	4.98	4.60	1.81	5.21	4.73	1.83
45.0	3.74	3.78	1.72	3.85	3.86	1.73	4.09	4.02	1.75	4.20	4.10	1.77	4.43	4.25	1.79	4.55	4.32	1.80	4.67	4.39	1.82	4.57	4.39	1.81	4.90	4.53	1.84	5.13	4.65	1.86
46.0	3.68	3.72	1.75	3.79	3.80	1.76	4.02	3.96	1.79	4.13	4.04	1.80	4.36	4.18	1.82	4.48	4.25	1.84	4.59	4.32	1.85	4.50	4.32	1.84	4.82	4.45	1.87	5.05	4.58	1.90
47.0	3.62	3.66	1.78	3.73	3.74	1.79	3.96	3.89	1.82	4.07	3.97	1.83	4.29	4.11	1.86	4.40	4.18	1.87	4.52	4.25	1.88	4.43	4.25	1.88	4.74	4.38	1.91	4.97	4.50	1.93
48.0	3.56	3.60	1.81	3.67	3.68	1.82	3.89	3.83	1.85	4.00	3.90	1.86	4.22	4.05	1.89	4.33	4.12	1.90	4.44	4.18	1.91	4.35	4.18	1.91	4.66	4.31	1.94	4.88	4.43	1.97
49.0	3.50	3.54	1.84	3.61	3.61	1.86	3.82	3.77	1.88	3.93	3.84	1.89	4.15	3.98	1.92	4.26	4.05	1.93	4.37	4.11	1.95	4.28	4.11	1.94	4.58	4.24	1.97	4.80	4.35	2.00
50.0	3.44	3.48	1.87	3.54	3.55	1.89	3.76	3.70	1.91	3.87	3.77	1.93	4.08	3.91	1.95	4.19	3.98	1.97	4.29	4.04	1.98	4.21	4.04	1.98	4.51	4.16	2.01	4.72	4.28	2.03
51.0	3.38	3.41	1.91	3.48	3.49	1.92	3.69	3.64	1.95	3.80	3.71	1.96	4.01	3.84	1.99	4.11	3.91	2.00	4.22	3.97	2.01	4.13	3.97	2.01	4.43	4.09	2.04	4.64	4.20	2.07
52.0	3.36	3.40	1.72	3.46	3.47	1.74	3.67	3.62	1.76	3.78	3.69	1.77	3.99	3.82	1.80	4.09	3.89	1.81	4.19	3.95	1.82	4.11	3.95	1.82	4.40	4.07	1.85	4.61	4.18	1.87
54.0	3.18	3.21	1.72	3.28	3.28	1.74	3.48	3.42	1.76	3.57	3.49	1.77	3.77	3.62	1.80	3.87	3.68	1.81	3.97	3.74	1.82	3.89	3.73	1.82	4.17	3.85	1.85	4.36	3.96	1.87

Product models : RAV-SH1801BP-AE : RAV-SHB1801AP-AE,
 RAV-SH1801BP-Q : RAV-SH1801AP-Q,
 RAV-SH1801BP-BA : RAV-SH1801AP-BA

RAV-SH1801BP-OM : RAV-SHB1801AP-OM,
 RAV-SH1801BP-KW : RAV-SH1801AP-KW,

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	5.30	4.50
Sensible Heat Capacity (SHC)	(kW)	5.04	4.32
Power Input (P)	(kW)	1.475	1.845

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	5.21	5.27	0.97	5.38	5.39	0.97	5.70	5.61	0.99	5.86	5.72	1.00	6.18	5.93	1.01	6.35	6.03	1.02	6.51	6.13	1.02	6.38	6.12	1.02	6.83	6.31	1.04	7.16	6.49	1.05
23.0	5.09	5.15	1.03	5.25	5.26	1.04	5.56	5.48	1.05	5.72	5.59	1.06	6.04	5.79	1.07	6.20	5.89	1.08	6.36	5.98	1.09	6.23	5.98	1.09	6.67	6.16	1.10	6.99	6.34	1.12
25.0	4.97	5.02	1.09	5.12	5.13	1.10	5.43	5.35	1.12	5.58	5.45	1.12	5.89	5.65	1.14	6.05	5.75	1.15	6.20	5.84	1.15	6.08	5.83	1.15	6.51	6.02	1.17	6.82	6.18	1.19
27.0	4.84	4.90	1.16	5.00	5.01	1.16	5.30	5.22	1.18	5.45	5.32	1.19	5.75	5.51	1.20	5.90	5.60	1.21	6.05	5.69	1.22	5.93	5.69	1.22	6.35	5.87	1.24	6.65	6.03	1.25
29.0	4.72	4.77	1.22	4.87	4.88	1.23	5.16	5.08	1.24	5.31	5.18	1.25	5.60	5.37	1.27	5.75	5.46	1.28	5.90	5.55	1.29	5.78	5.55	1.28	6.19	5.72	1.30	6.48	5.88	1.32
31.0	4.60	4.65	1.28	4.74	4.75	1.29	5.03	4.95	1.31	5.17	5.05	1.32	5.46	5.23	1.33	5.60	5.32	1.34	5.74	5.40	1.35	5.63	5.40	1.35	6.03	5.57	1.37	6.31	5.72	1.39
33.0	4.48	4.52	1.34	4.62	4.63	1.35	4.89	4.82	1.37	5.03	4.91	1.38	5.31	5.09	1.40	5.45	5.18	1.41	5.59	5.26	1.42	5.48	5.26	1.42	5.87	5.42	1.44	6.14	5.57	1.46
35.0	4.35	4.40	1.41	4.49	4.50	1.42	4.76	4.69	1.44	4.89	4.78	1.45	5.16	4.95	1.47	5.30	5.04	1.48	5.44	5.12	1.48	5.33	5.11	1.48	5.71	5.27	1.50	5.98	5.42	1.52
37.0	4.23	4.28	1.47	4.36	4.37	1.48	4.62	4.55	1.50	4.76	4.64	1.51	5.02	4.81	1.53	5.15	4.89	1.54	5.28	4.97	1.55	5.18	4.97	1.55	5.54	5.12	1.57	5.81	5.26	1.59
39.0	4.11	4.15	1.53	4.24	4.24	1.54	4.49	4.42	1.56	4.62	4.51	1.57	4.87	4.67	1.60	5.00	4.75	1.61	5.13	4.83	1.62	5.03	4.82	1.61	5.38	4.97	1.64	5.64	5.11	1.66
41.0	3.98	4.03	1.59	4.11	4.12	1.60	4.36	4.29	1.63	4.48	4.37	1.64	4.73	4.53	1.66	4.85	4.61	1.67	4.98	4.68	1.68	4.88	4.68	1.68	5.22	4.83	1.71	5.47	4.96	1.73
43.0	3.86	3.90	1.66	3.98	3.99	1.67	4.22	4.16	1.69	4.34	4.24	1.70	4.58	4.39	1.73	4.70	4.47	1.74	4.82	4.54	1.75	4.73	4.54	1.75	5.06	4.68	1.77	5.30	4.81	1.80
44.0	3.80	3.84	1.69	3.92	3.93	1.70	4.15	4.09	1.72	4.27	4.17	1.73	4.51	4.32	1.76	4.63	4.40	1.77	4.75	4.47	1.78	4.65	4.46	1.78	4.98	4.60	1.81	5.22	4.73	1.83
45.0	3.74	3.78	1.72	3.86	3.86	1.73	4.09	4.03	1.75	4.20	4.10	1.77	4.44	4.25	1.79	4.55	4.32	1.80	4.67	4.39	1.82	4.58	4.39	1.81	4.90	4.53	1.84	5.13	4.65	1.86
46.0	3.68	3.72	1.75	3.79	3.80	1.76	4.02	3.96	1.79	4.13	4.04	1.80	4.36	4.18	1.82	4.48	4.25	1.84	4.59	4.32	1.85	4.50	4.32	1.84	4.82	4.45	1.87	5.05	4.58	1.90
47.0	3.62	3.66	1.78	3.73	3.74	1.79	3.95	3.89	1.82	4.07	3.97	1.83	4.29	4.11	1.86	4.40	4.18	1.87	4.52	4.25	1.88	4.42	4.25	1.88	4.74	4.38	1.91	4.96	4.50	1.93
48.0	3.55	3.59	1.81	3.67	3.67	1.82	3.89	3.83	1.85	4.00	3.90	1.86	4.22	4.04	1.89	4.33	4.11	1.90	4.44	4.18	1.91	4.35	4.18	1.91	4.66	4.30	1.94	4.88	4.42	1.97
49.0	3.49	3.53	1.84	3.60	3.61	1.86	3.82	3.76	1.88	3.93	3.83	1.89	4.14	3.97	1.92	4.25	4.04	1.93	4.36	4.11	1.95	4.27	4.10	1.94	4.58	4.23	1.97	4.80	4.35	2.00
50.0	3.43	3.47	1.87	3.54	3.55	1.89	3.75	3.69	1.91	3.86	3.77	1.93	4.07	3.90	1.95	4.18	3.97	1.97	4.29	4.03	1.98	4.20	4.03	1.98	4.50	4.16	2.01	4.71	4.27	2.03
51.0	3.37	3.41	1.91	3.48	3.48	1.92	3.68	3.63	1.95	3.79	3.70	1.96	4.00	3.83	1.99	4.10	3.90	2.00	4.21	3.96	2.01	4.12	3.96	2.01	4.42	4.08	2.04	4.63	4.19	2.07
52.0	3.36	3.40	1.72	3.46	3.47	1.74	3.67	3.62	1.76	3.78	3.69	1.77	3.99	3.82	1.80	4.09	3.89	1.81	4.19	3.95	1.82	4.11	3.95	1.82	4.40	4.07	1.85	4.61	4.18	1.87
54.0	3.18	3.21	1.72	3.28	3.28	1.74	3.48	3.42	1.76	3.57	3.49	1.77	3.77	3.62	1.80	3.87	3.68	1.81	3.97	3.74	1.82	3.89	3.73	1.82	4.17	3.85	1.85	4.36	3.96	1.87

Product models : RAV-SH2401BP-2B : RAV-SHB2401AP-2B

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	6.60	5.60
Sensible Heat Capacity (SHC)	(kW)	6.34	5.54
Power Input (P)	(kW)	1.910	2.305

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	6.50	6.63	1.35	6.70	6.78	1.36	7.10	7.06	1.38	7.30	7.20	1.39	7.71	7.47	1.41	7.91	7.59	1.42	8.11	7.72	1.43	7.95	7.87	1.43	8.51	7.95	1.45	8.92	8.17	1.47
23.0	6.34	6.47	1.42	6.54	6.62	1.43	6.93	6.90	1.45	7.13	7.03	1.46	7.52	7.29	1.48	7.72	7.41	1.49	7.92	7.53	1.50	7.76	7.68	1.50	8.31	7.76	1.52	8.71	7.98	1.54
25.0	6.19	6.32	1.49	6.38	6.46	1.50	6.77	6.73	1.52	6.96	6.86	1.53	7.34	7.11	1.55	7.53	7.23	1.56	7.73	7.35	1.57	7.57	7.50	1.57	8.11	7.58	1.59	8.50	7.79	1.61
27.0	6.04	6.16	1.55	6.22	6.30	1.56	6.60	6.56	1.59	6.79	6.69	1.60	7.16	6.94	1.62	7.35	7.05	1.63	7.54	7.17	1.64	7.38	7.31	1.64	7.91	7.39	1.66	8.28	7.59	1.69
29.0	5.88	6.00	1.62	6.06	6.14	1.63	6.43	6.40	1.65	6.61	6.52	1.67	6.98	6.76	1.69	7.16	6.87	1.70	7.34	6.99	1.71	7.20	7.12	1.71	7.71	7.20	1.74	8.07	7.40	1.76
31.0	5.73	5.85	1.69	5.91	5.98	1.70	6.26	6.23	1.72	6.44	6.35	1.73	6.80	6.58	1.76	6.97	6.69	1.77	7.15	6.80	1.78	7.01	6.94	1.78	7.51	7.01	1.81	7.86	7.21	1.83
33.0	5.57	5.69	1.75	5.75	5.82	1.77	6.09	6.06	1.79	6.27	6.18	1.80	6.61	6.41	1.83	6.79	6.52	1.84	6.96	6.62	1.85	6.82	6.75	1.85	7.31	6.82	1.88	7.65	7.01	1.90
35.0	5.42	5.53	1.82	5.59	5.66	1.83	5.93	5.90	1.86	6.09	6.01	1.87	6.43	6.23	1.90	6.60	6.34	1.91	6.77	6.44	1.92	6.63	6.57	1.92	7.11	6.64	1.95	7.44	6.82	1.97
37.0	5.27	5.38	1.89	5.43	5.50	1.90	5.76	5.73	1.93	5.92	5.84	1.94	6.25	6.05	1.97	6.41	6.16	1.98	6.58	6.26	1.99	6.45	6.38	1.99	6.90	6.45	2.02	7.23	6.63	2.05
39.0	5.11	5.22	1.95	5.27	5.34	1.97	5.59	5.56	1.99	5.75	5.67	2.01	6.07	5.88	2.04	6.23	5.98	2.05	6.39	6.07	2.06	6.26	6.19	2.06	6.70	6.26	2.09	7.02	6.43	2.12
41.0	4.96	5.06	2.02	5.11	5.18	2.03	5.42	5.39	2.06	5.58	5.50	2.08	5.89	5.70	2.10	6.04	5.80	2.12	6.19	5.89	2.13	6.07	6.01	2.13	6.50	6.07	2.16	6.81	6.24	2.19
43.0	4.81	4.91	2.09	4.96	5.02	2.10	5.26	5.23	2.13	5.40	5.33	2.14	5.70	5.52	2.17	5.85	5.62	2.19	6.00	5.71	2.20	5.88	5.82	2.20	6.30	5.88	2.23	6.60	6.05	2.26
44.0	4.73	4.83	2.12	4.88	4.94	2.13	5.17	5.14	2.16	5.32	5.24	2.18	5.61	5.44	2.21	5.76	5.53	2.22	5.91	5.62	2.24	5.79	5.73	2.23	6.20	5.79	2.27	6.49	5.95	2.30
45.0	4.65	4.75	2.15	4.80	4.86	2.17	5.09	5.06	2.20	5.23	5.16	2.21	5.52	5.35	2.24	5.67	5.44	2.26	5.81	5.53	2.27	5.69	5.64	2.27	6.10	5.70	2.30	6.39	5.86	2.33
46.0	4.58	4.67	2.18	4.72	4.78	2.20	5.00	4.98	2.23	5.15	5.07	2.25	5.43	5.26	2.28	5.57	5.35	2.29	5.71	5.44	2.31	5.60	5.54	2.30	6.00	5.60	2.34	6.28	5.76	2.37
47.0	4.50	4.59	2.22	4.64	4.70	2.23	4.92	4.89	2.27	5.06	4.99	2.28	5.34	5.17	2.31	5.48	5.26	2.33	5.62	5.34	2.34	5.51	5.45	2.34	5.90	5.51	2.38	6.18	5.66	2.41
48.0	4.09	4.18	1.95	4.22	4.27	1.97	4.47	4.45	1.99	4.60	4.53	2.01	4.85	4.70	2.04	4.98	4.78	2.05	5.11	4.86	2.06	5.00	4.95	2.06	5.36	5.01	2.09	5.62	5.15	2.12
49.0	3.98	4.07	1.95	4.11	4.16	1.97	4.36	4.33	1.99	4.48	4.42	2.01	4.73	4.58	2.04	4.85	4.66	2.05	4.97	4.73	2.06	4.87	4.83	2.06	5.22	4.88	2.09	5.47	5.01	2.12
50.0	2.71	2.77	1.37	2.79	2.83	1.38	2.96	2.95	1.40	3.05	3.00	1.41	3.22	3.12	1.43	3.30	3.17	1.44	3.38	3.22	1.45	3.32	3.28	1.45	3.55	3.32	1.47	3.72	3.41	1.49
51.0	2.64	2.69	1.37	2.72	2.75	1.38	2.88	2.87	1.40	2.96	2.92	1.41	3.13	3.03	1.43	3.21	3.08	1.44	3.29	3.13	1.45	3.23	3.19	1.45	3.46	3.23	1.47	3.62	3.32	1.49
52.0	2.56	2.62	1.37	2.64	2.67	1.38	2.80	2.79	1.40	2.88	2.84	1.41	3.04	2.95	1.43	3.12	3.00	1.44	3.20	3.04	1.45	3.14	3.10	1.45	3.36	3.14	1.47	3.52	3.22	1.49
54.0	1.60	1.64	1.37	1.65	1.67	1.38	1.75	1.74	1.40	1.80	1.78	1.41	1.90	1.84	1.43	1.95	1.87	1.44	2.00	1.90	1.45	1.96	1.94	1.45	2.10	1.96	1.47	2.20	2.02	1.49

Product models : RAV-SH2401BP-AE : RAV-SHB2401AP-AE,
RAV-SH2401BP-Q : RAV-SH2401AP-Q,
RAV-SH2401BP-BA : RAV-SH2401AP-BA

RAV-SH2401BP-OM : RAV-SHB2401AP-OM,
RAV-SH2401BP-KW : RAV-SH2401AP-KW,

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	6.60	5.60
Sensible Heat Capacity (SHC)	(kW)	6.34	5.54
Power Input (P)	(kW)	1.910	2.305

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	6.50	6.63	1.35	6.70	6.78	1.36	7.10	7.06	1.38	7.30	7.20	1.39	7.71	7.47	1.41	7.91	7.59	1.42	8.11	7.72	1.43	7.95	7.87	1.43	8.51	7.95	1.45	8.92	8.17	1.47
23.0	6.34	6.47	1.42	6.54	6.62	1.43	6.93	6.90	1.45	7.13	7.03	1.46	7.52	7.29	1.48	7.72	7.41	1.49	7.92	7.53	1.50	7.76	7.68	1.50	8.31	7.76	1.52	8.71	7.98	1.54
25.0	6.19	6.32	1.49	6.38	6.46	1.50	6.77	6.73	1.52	6.96	6.86	1.53	7.34	7.11	1.55	7.53	7.23	1.56	7.73	7.35	1.57	7.57	7.50	1.57	8.11	7.58	1.59	8.50	7.79	1.61
27.0	6.04	6.16	1.55	6.22	6.30	1.56	6.60	6.56	1.59	6.79	6.69	1.60	7.16	6.94	1.62	7.35	7.05	1.63	7.54	7.17	1.64	7.38	7.31	1.64	7.91	7.39	1.66	8.28	7.59	1.69
29.0	5.88	6.00	1.62	6.06	6.14	1.63	6.43	6.40	1.65	6.61	6.52	1.67	6.98	6.76	1.69	7.16	6.87	1.70	7.34	6.99	1.71	7.20	7.12	1.71	7.71	7.20	1.74	8.07	7.40	1.76
31.0	5.73	5.85	1.69	5.91	5.98	1.70	6.26	6.23	1.72	6.44	6.35	1.73	6.80	6.58	1.76	6.97	6.69	1.77	7.15	6.80	1.78	7.01	6.94	1.78	7.51	7.01	1.81	7.86	7.21	1.83
33.0	5.57	5.69	1.75	5.75	5.82	1.77	6.09	6.06	1.79	6.27	6.18	1.80	6.61	6.41	1.83	6.79	6.52	1.84	6.96	6.62	1.85	6.82	6.75	1.85	7.31	6.82	1.88	7.65	7.01	1.90
35.0	5.42	5.53	1.82	5.59	5.66	1.83	5.93	5.90	1.86	6.09	6.01	1.87	6.43	6.23	1.90	6.60	6.34	1.91	6.77	6.44	1.92	6.63	6.57	1.92	7.11	6.64	1.95	7.44	6.82	1.97
37.0	5.27	5.38	1.89	5.43	5.50	1.90	5.76	5.73	1.93	5.92	5.84	1.94	6.25	6.05	1.97	6.41	6.16	1.98	6.58	6.26	1.99	6.45	6.38	1.99	6.90	6.45	2.02	7.23	6.63	2.05
39.0	5.11	5.22	1.95	5.27	5.34	1.97	5.59	5.56	1.99	5.75	5.67	2.01	6.07	5.88	2.04	6.23	5.98	2.05	6.39	6.07	2.06	6.26	6.19	2.06	6.70	6.26	2.09	7.02	6.43	2.12
41.0	4.96	5.06	2.02	5.11	5.18	2.03	5.42	5.39	2.06	5.58	5.50	2.08	5.89	5.70	2.10	6.04	5.80	2.12	6.19	5.89	2.13	6.07	6.01	2.13	6.50	6.07	2.16	6.81	6.24	2.19
43.0	4.81	4.91	2.09	4.96	5.02	2.10	5.26	5.23	2.13	5.40	5.33	2.14	5.70	5.52	2.17	5.85	5.62	2.19	6.00	5.71	2.20	5.88	5.82	2.20	6.30	5.88	2.23	6.60	6.05	2.26
44.0	4.73	4.83	2.12	4.88	4.94	2.13	5.17	5.14	2.16	5.32	5.24	2.18	5.61	5.44	2.21	5.76	5.53	2.22	5.91	5.62	2.24	5.79	5.73	2.23	6.20	5.79	2.27	6.49	5.95	2.30
45.0	4.65	4.75	2.15	4.80	4.86	2.17	5.09	5.06	2.20	5.23	5.16	2.21	5.52	5.35	2.24	5.67	5.44	2.26	5.81	5.53	2.27	5.69	5.64	2.27	6.10	5.70	2.30	6.39	5.86	2.33
46.0	4.58	4.67	2.18	4.72	4.78	2.20	5.00	4.98	2.23	5.15	5.07	2.25	5.43	5.26	2.28	5.57	5.35	2.29	5.71	5.44	2.31	5.60	5.54	2.30	6.00	5.60	2.34	6.28	5.76	2.37
47.0	4.50	4.59	2.22	4.64	4.70	2.23	4.92	4.89	2.27	5.06	4.99	2.28	5.34	5.17	2.31	5.48	5.26	2.33	5.62	5.34	2.34	5.51	5.45	2.34	5.90	5.51	2.38	6.18	5.66	2.41
48.0	4.09	4.18	1.95	4.22	4.27	1.97	4.47	4.45	1.99	4.60	4.53	2.01	4.85	4.70	2.04	4.98	4.78	2.05	5.11	4.86	2.06	5.00	4.95	2.06	5.36	5.01	2.09	5.62	5.15	2.12
49.0	3.98	4.07	1.95	4.11	4.16	1.97	4.36	4.33	1.99	4.48	4.42	2.01	4.73	4.58	2.04	4.85	4.66	2.05	4.97	4.73	2.06	4.87	4.83	2.06	5.22	4.88	2.09	5.47	5.01	2.12
50.0	2.71	2.77	1.37	2.79	2.83	1.38	2.96	2.95	1.40	3.05	3.00	1.41	3.22	3.12	1.43	3.30	3.17	1.44	3.38	3.22	1.45	3.32	3.28	1.45	3.55	3.32	1.47	3.72	3.41	1.49
51.0	2.64	2.69	1.37	2.72	2.75	1.38	2.88	2.87	1.40	2.96	2.92	1.41	3.13	3.03	1.43	3.21	3.08	1.44	3.29	3.13	1.45	3.23	3.19	1.45	3.46	3.23	1.47	3.62	3.32	1.49
52.0	2.56	2.62	1.37	2.64	2.67	1.38	2.80	2.79	1.40	2.88	2.84	1.41	3.04	2.95	1.43	3.12	3.00	1.44	3.20	3.04	1.45	3.14	3.10	1.45	3.36	3.14	1.47	3.52	3.22	1.49
54.0	1.60	1.64	1.37	1.65	1.67	1.38	1.75	1.74	1.40	1.80	1.78	1.41	1.90	1.84	1.43	1.95	1.87	1.44	2.00	1.90	1.45	1.96	1.94	1.45	2.10	1.96	1.47	2.20	2.02	1.49

Product models : RAV-SH3001BP-2B : RAV-SHB3001AP-2B

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	8.80	7.50
Sensible Heat Capacity (SHC)	(kW)	8.36	7.43
Power Input (P)	(kW)	2.480	3.085

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	8.63	8.72	1.65	8.89	8.91	1.66	9.43	9.29	1.68	9.70	9.47	1.69	10.23	9.81	1.72	10.50	9.98	1.73	10.77	10.14	1.74	10.55	10.45	1.74	11.31	10.45	1.76	11.84	10.74	1.79
23.0	8.43	8.52	1.75	8.69	8.71	1.76	9.21	9.07	1.79	9.47	9.25	1.80	10.00	9.58	1.82	10.26	9.75	1.84	10.52	9.90	1.85	10.31	10.21	1.85	11.04	10.20	1.87	11.57	10.49	1.90
25.0	8.23	8.32	1.85	8.48	8.50	1.87	8.99	8.86	1.89	9.25	9.03	1.90	9.76	9.36	1.93	10.02	9.52	1.94	10.27	9.67	1.96	10.07	9.97	1.95	10.78	9.96	1.98	11.29	10.24	2.01
27.0	8.03	8.11	1.95	8.28	8.29	1.97	8.78	8.64	2.00	9.02	8.81	2.01	9.52	9.13	2.04	9.77	9.28	2.05	10.02	9.43	2.07	9.82	9.72	2.06	10.52	9.72	2.09	11.02	9.99	2.12
29.0	7.83	7.91	2.06	8.07	8.09	2.07	8.56	8.43	2.10	8.80	8.59	2.11	9.29	8.90	2.14	9.53	9.05	2.16	9.77	9.20	2.17	9.58	9.48	2.17	10.26	9.48	2.20	10.75	9.74	2.23
31.0	7.63	7.71	2.16	7.86	7.88	2.17	8.34	8.21	2.20	8.58	8.37	2.22	9.05	8.68	2.25	9.29	8.82	2.27	9.52	8.96	2.28	9.33	9.24	2.28	10.00	9.24	2.31	10.47	9.49	2.34
33.0	7.43	7.51	2.26	7.66	7.67	2.28	8.12	8.00	2.31	8.35	8.15	2.32	8.81	8.45	2.36	9.04	8.59	2.37	9.27	8.73	2.39	9.09	9.00	2.38	9.74	8.99	2.42	10.20	9.24	2.45
35.0	7.23	7.31	2.36	7.45	7.47	2.38	7.90	7.78	2.41	8.13	7.93	2.43	8.58	8.22	2.46	8.80	8.36	2.48	9.02	8.49	2.50	8.84	8.76	2.49	9.47	8.75	2.53	9.92	9.00	2.56
37.0	7.03	7.10	2.46	7.25	7.26	2.48	7.68	7.57	2.52	7.90	7.71	2.53	8.34	7.99	2.57	8.56	8.13	2.59	8.78	8.26	2.60	8.60	8.51	2.60	9.21	8.51	2.64	9.65	8.75	2.67
39.0	6.83	6.90	2.57	7.04	7.06	2.59	7.47	7.35	2.62	7.68	7.49	2.64	8.10	7.77	2.68	8.31	7.90	2.69	8.53	8.03	2.71	8.36	8.27	2.71	8.95	8.27	2.75	9.37	8.50	2.79
41.0	6.63	6.70	2.67	6.83	6.85	2.69	7.25	7.14	2.73	7.45	7.27	2.74	7.86	7.54	2.78	8.07	7.67	2.80	8.28	7.79	2.82	8.11	8.03	2.82	8.69	8.03	2.86	9.10	8.25	2.90
43.0	6.43	6.50	2.77	6.63	6.64	2.79	7.03	6.92	2.83	7.23	7.06	2.85	7.63	7.31	2.89	7.83	7.44	2.91	8.03	7.56	2.93	7.87	7.79	2.92	8.43	7.79	2.97	8.83	8.00	3.01
44.0	6.33	6.40	2.82	6.53	6.54	2.84	6.92	6.81	2.88	7.12	6.95	2.90	7.51	7.20	2.94	7.71	7.32	2.96	7.90	7.44	2.98	7.74	7.67	2.98	8.30	7.66	3.02	8.69	7.88	3.06
45.0	6.23	6.30	2.87	6.42	6.44	2.89	6.81	6.71	2.93	7.00	6.84	2.95	7.39	7.09	3.00	7.58	7.20	3.02	7.78	7.32	3.04	7.62	7.55	3.03	8.16	7.54	3.08	8.55	7.75	3.12
46.0	6.13	6.20	2.92	6.32	6.33	2.95	6.70	6.60	2.99	6.89	6.73	3.01	7.27	6.97	3.05	7.46	7.09	3.07	7.65	7.20	3.09	7.50	7.42	3.08	8.03	7.42	3.13	8.41	7.63	3.17
47.0	6.03	6.09	2.98	6.22	6.23	3.00	6.59	6.49	3.04	6.78	6.62	3.06	7.15	6.86	3.10	7.34	6.97	3.12	7.53	7.09	3.14	7.38	7.30	3.14	7.90	7.30	3.19	8.28	7.50	3.23
48.0	5.93	5.99	3.03	6.11	6.13	3.05	6.48	6.38	3.09	6.67	6.51	3.11	7.04	6.74	3.16	7.22	6.86	3.18	7.40	6.97	3.20	7.26	7.18	3.19	7.77	7.18	3.24	8.14	7.38	3.28
49.0	5.83	5.89	3.08	6.01	6.02	3.10	6.37	6.28	3.14	6.55	6.40	3.16	6.92	6.63	3.21	7.10	6.74	3.23	7.28	6.85	3.25	7.13	7.06	3.25	7.64	7.06	3.30	8.00	7.26	3.34
50.0	5.73	5.79	3.13	5.91	5.92	3.15	6.26	6.17	3.20	6.44	6.29	3.22	6.80	6.52	3.26	6.98	6.63	3.28	7.15	6.73	3.31	7.01	6.94	3.30	7.51	6.94	3.35	7.87	7.13	3.39
51.0	5.63	5.69	3.18	5.81	5.82	3.20	6.15	6.06	3.25	6.33	6.18	3.27	6.68	6.40	3.32	6.85	6.51	3.34	7.03	6.62	3.36	6.89	6.82	3.35	7.38	6.82	3.41	7.73	7.01	3.45
52.0	5.53	5.59	3.23	5.70	5.71	3.25	6.05	5.95	3.30	6.22	6.07	3.32	6.56	6.29	3.37	6.73	6.40	3.39	6.90	6.50	3.41	6.77	6.70	3.41	7.25	6.70	3.46	7.59	6.88	3.51
54.0	5.33	5.39	3.33	5.50	5.51	3.36	5.83	5.74	3.40	5.99	5.85	3.43	6.32	6.06	3.47	6.49	6.17	3.50	6.66	6.26	3.52	6.52	6.46	3.52	6.99	6.46	3.57	7.32	6.63	3.62

Product models : RAV-SH3001BP-AE : RAV-SHB3001AP-AE,
RAV-SH3001BP-Q : RAV-SH3001AP-Q,
RAV-SH3001BP-BA : RAV-SH3001AP-BA

RAV-SH3001BP-OM : RAV-SHB3001AP-OM,
RAV-SH3001BP-KW : RAV-SH3001AP-KW,

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	8.80	7.50
Sensible Heat Capacity (SHC)	(kW)	8.36	7.43
Power Input (P)	(kW)	2.480	3.085

Indoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	8.63	8.72	1.65	8.89	8.91	1.66	9.43	9.29	1.68	9.70	9.47	1.69	10.23	9.81	1.72	10.50	9.98	1.73	10.77	10.14	1.74	10.55	10.45	1.74	11.31	10.45	1.76	11.84	10.74	1.79
23.0	8.43	8.52	1.75	8.69	8.71	1.76	9.21	9.07	1.79	9.47	9.25	1.80	10.00	9.58	1.82	10.26	9.75	1.84	10.52	9.90	1.85	10.31	10.21	1.85	11.04	10.20	1.87	11.57	10.49	1.90
25.0	8.23	8.32	1.85	8.48	8.50	1.87	8.99	8.86	1.89	9.25	9.03	1.90	9.76	9.36	1.93	10.02	9.52	1.94	10.27	9.67	1.96	10.07	9.97	1.95	10.78	9.96	1.98	11.29	10.24	2.01
27.0	8.03	8.11	1.95	8.28	8.29	1.97	8.78	8.64	2.00	9.02	8.81	2.01	9.52	9.13	2.04	9.77	9.28	2.05	10.02	9.43	2.07	9.82	9.72	2.06	10.52	9.72	2.09	11.02	9.99	2.12
29.0	7.83	7.91	2.06	8.07	8.09	2.07	8.56	8.43	2.10	8.80	8.59	2.11	9.29	8.90	2.14	9.53	9.05	2.16	9.77	9.20	2.17	9.58	9.48	2.17	10.26	9.48	2.20	10.75	9.74	2.23
31.0	7.63	7.71	2.16	7.86	7.88	2.17	8.34	8.21	2.20	8.58	8.37	2.22	9.05	8.68	2.25	9.29	8.82	2.27	9.52	8.96	2.28	9.33	9.24	2.28	10.00	9.24	2.31	10.47	9.49	2.34
33.0	7.43	7.51	2.26	7.66	7.67	2.28	8.12	8.00	2.31	8.35	8.15	2.32	8.81	8.45	2.36	9.04	8.59	2.37	9.27	8.73	2.39	9.09	9.00	2.38	9.74	8.99	2.42	10.20	9.24	2.45
35.0	7.23	7.31	2.36	7.45	7.47	2.38	7.90	7.78	2.41	8.13	7.93	2.43	8.58	8.22	2.46	8.80	8.36	2.48	9.02	8.49	2.50	8.84	8.76	2.49	9.47	8.75	2.53	9.92	9.00	2.56
37.0	7.03	7.10	2.46	7.25	7.26	2.48	7.68	7.57	2.52	7.90	7.71	2.53	8.34	7.99	2.57	8.56	8.13	2.59	8.78	8.26	2.60	8.60	8.51	2.60	9.21	8.51	2.64	9.65	8.75	2.67
39.0	6.83	6.90	2.57	7.04	7.06	2.59	7.47	7.35	2.62	7.68	7.49	2.64	8.10	7.77	2.68	8.31	7.90	2.69	8.53	8.03	2.71	8.36	8.27	2.71	8.95	8.27	2.75	9.37	8.50	2.79
41.0	6.63	6.70	2.67	6.83	6.85	2.69	7.25	7.14	2.73	7.45	7.27	2.74	7.86	7.54	2.78	8.07	7.67	2.80	8.28	7.79	2.82	8.11	8.03	2.82	8.69	8.03	2.86	9.10	8.25	2.90
43.0	6.43	6.50	2.77	6.63	6.64	2.79	7.03	6.92	2.83	7.23	7.06	2.85	7.63	7.31	2.89	7.83	7.44	2.91	8.03	7.56	2.93	7.87	7.79	2.92	8.43	7.79	2.97	8.83	8.00	3.01
44.0	6.33	6.40	2.82	6.53	6.54	2.84	6.92	6.81	2.88	7.12	6.95	2.90	7.51	7.20	2.94	7.71	7.32	2.96	7.90	7.44	2.98	7.74	7.67	2.98	8.30	7.66	3.02	8.69	7.88	3.06
45.0	6.23	6.30	2.87	6.42	6.44	2.89	6.81	6.71	2.93	7.00	6.84	2.95	7.39	7.09	3.00	7.58	7.20	3.02	7.78	7.32	3.04	7.62	7.55	3.03	8.16	7.54	3.08	8.55	7.75	3.12
46.0	6.13	6.20	2.92	6.32	6.33	2.95	6.70	6.60	2.99	6.89	6.73	3.01	7.27	6.97	3.05	7.46	7.09	3.07	7.65	7.20	3.09	7.50	7.42	3.08	8.03	7.42	3.13	8.41	7.63	3.17
47.0	6.03	6.09	2.98	6.22	6.23	3.00	6.59	6.49	3.04	6.78	6.62	3.06	7.15	6.86	3.10	7.34	6.97	3.12	7.53	7.09	3.14	7.38	7.30	3.14	7.90	7.30	3.19	8.28	7.50	3.23
48.0	5.93	5.99	3.03	6.11	6.13	3.05	6.48	6.38	3.09	6.67	6.51	3.11	7.04	6.74	3.16	7.22	6.86	3.18	7.40	6.97	3.20	7.26	7.18	3.19	7.77	7.18	3.24	8.14	7.38	3.28
49.0	5.83	5.89	3.08	6.01	6.02	3.10	6.37	6.28	3.14	6.55	6.40	3.16	6.92	6.63	3.21	7.10	6.74	3.23	7.28	6.85	3.25	7.13	7.06	3.25	7.64	7.06	3.30	8.00	7.26	3.34
50.0	5.73	5.79	3.13	5.91	5.92	3.15	6.26	6.17	3.20	6.44	6.29	3.22	6.80	6.52	3.26	6.98	6.63	3.28	7.15	6.73	3.31	7.01	6.94	3.30	7.51	6.94	3.35	7.87	7.13	3.39
51.0	5.63	5.69	3.18	5.81	5.82	3.20	6.15	6.06	3.25	6.33	6.18	3.27	6.68	6.40	3.32	6.85	6.51	3.34	7.03	6.62	3.36	6.89	6.82	3.35	7.38	6.82	3.41	7.73	7.01	3.45
52.0	5.53	5.59	3.23	5.70	5.71	3.25	6.05	5.95	3.30	6.22	6.07	3.32	6.56	6.29	3.37	6.73	6.40	3.39	6.90	6.50	3.41	6.77	6.70	3.41	7.25	6.70	3.46	7.59	6.88	3.51
54.0	5.33	5.39	3.33	5.50	5.51	3.36	5.83	5.74	3.40	5.99	5.85	3.43	6.32	6.06	3.47	6.49	6.17	3.50	6.66	6.26	3.52	6.52	6.46	3.52	6.99	6.46	3.57	7.32	6.63	3.62

Product models : RAV-SH3601BP-2B : RAV-SHB3601AP-2B

Specification of product at standard condition :

Condition name			T1	T3
Indoor			27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor			35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)		10.10	8.60
Sensible Heat Capacity (SHC)	(kW)		9.36	8.50
Power Input (P)	(kW)		2.920	3.520

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	9.91	9.79	2.08	10.22	10.00	2.09	10.83	10.42	2.12	11.14	10.61	2.13	11.76	11.00	2.16	12.06	11.18	2.18	12.37	11.36	2.19	12.12	11.98	2.19	12.99	11.70	2.22	13.60	12.02	2.25
23.0	9.68	9.56	2.18	9.98	9.77	2.19	10.58	10.17	2.22	10.88	10.37	2.24	11.48	10.74	2.27	11.78	10.92	2.28	12.08	11.09	2.30	11.84	11.70	2.30	12.69	11.43	2.33	13.29	11.74	2.36
25.0	9.45	9.33	2.28	9.74	9.54	2.29	10.33	9.93	2.33	10.62	10.12	2.34	11.21	10.49	2.37	11.50	10.66	2.39	11.80	10.83	2.41	11.56	11.43	2.40	12.38	11.15	2.44	12.97	11.46	2.47
27.0	9.22	9.10	2.38	9.50	9.30	2.40	10.08	9.69	2.43	10.36	9.87	2.45	10.94	10.23	2.48	11.22	10.40	2.50	11.51	10.57	2.51	11.28	11.15	2.51	12.08	10.88	2.55	12.65	11.18	2.58
29.0	8.99	8.88	2.48	9.27	9.07	2.50	9.82	9.45	2.53	10.10	9.63	2.55	10.66	9.97	2.58	10.94	10.14	2.60	11.22	10.30	2.62	11.00	10.87	2.62	11.78	10.61	2.66	12.34	10.90	2.69
31.0	8.76	8.65	2.58	9.03	8.84	2.60	9.57	9.20	2.64	9.85	9.38	2.65	10.39	9.72	2.69	10.66	9.88	2.71	10.93	10.04	2.73	10.71	10.59	2.72	11.48	10.34	2.76	12.02	10.62	2.80
33.0	8.53	8.42	2.68	8.79	8.61	2.70	9.32	8.96	2.74	9.59	9.13	2.76	10.12	9.46	2.80	10.38	9.62	2.81	10.65	9.77	2.83	10.43	10.31	2.83	11.18	10.07	2.87	11.70	10.34	2.91
35.0	8.30	8.19	2.78	8.55	8.37	2.80	9.07	8.72	2.84	9.33	8.89	2.86	9.84	9.21	2.90	10.10	9.36	2.92	10.36	9.51	2.94	10.15	10.03	2.93	10.87	9.79	2.98	11.39	10.06	3.02
37.0	8.07	7.97	2.88	8.32	8.14	2.90	8.82	8.48	2.94	9.07	8.64	2.96	9.57	8.95	3.01	9.82	9.10	3.03	10.07	9.24	3.05	9.87	9.75	3.04	10.57	9.52	3.09	11.07	9.78	3.13
39.0	7.84	7.74	2.98	8.08	7.91	3.00	8.57	8.24	3.05	8.81	8.39	3.07	9.30	8.70	3.11	9.54	8.84	3.13	9.78	8.98	3.15	9.59	9.48	3.15	10.27	9.25	3.20	10.76	9.50	3.24
41.0	7.60	7.51	3.08	7.84	7.68	3.11	8.31	7.99	3.15	8.55	8.15	3.17	9.02	8.44	3.22	9.26	8.58	3.24	9.49	8.72	3.26	9.30	9.20	3.25	9.97	8.98	3.30	10.44	9.22	3.35
43.0	7.37	7.28	3.19	7.60	7.44	3.21	8.06	7.75	3.25	8.29	7.90	3.28	8.75	8.18	3.32	8.98	8.32	3.34	9.21	8.45	3.37	9.02	8.92	3.36	9.67	8.71	3.41	10.12	8.94	3.46
44.0	7.26	7.17	3.24	7.48	7.33	3.26	7.94	7.63	3.30	8.16	7.78	3.33	8.61	8.06	3.37	8.84	8.19	3.40	9.06	8.32	3.42	8.88	8.78	3.41	9.51	8.57	3.47	9.96	8.80	3.51
45.0	7.14	7.05	3.29	7.37	7.21	3.31	7.81	7.51	3.36	8.03	7.65	3.38	8.48	7.93	3.43	8.70	8.06	3.45	8.92	8.19	3.47	8.74	8.64	3.47	9.36	8.43	3.52	9.81	8.66	3.57
46.0	7.03	6.94	3.34	7.25	7.09	3.36	7.68	7.39	3.41	7.90	7.53	3.43	8.34	7.80	3.48	8.56	7.93	3.50	8.78	8.06	3.53	8.60	8.50	3.52	9.21	8.30	3.57	9.65	8.52	3.62
47.0	6.91	6.83	3.39	7.13	6.98	3.41	7.56	7.27	3.46	7.77	7.41	3.48	8.20	7.67	3.53	8.42	7.80	3.56	8.63	7.92	3.58	8.46	8.36	3.57	9.06	8.16	3.63	9.49	8.38	3.68
48.0	6.91	6.82	3.30	7.12	6.97	3.32	7.55	7.26	3.37	7.77	7.40	3.39	8.20	7.67	3.44	8.41	7.79	3.46	8.62	7.92	3.48	8.45	8.35	3.48	9.05	8.15	3.53	9.48	8.38	3.58
49.0	6.82	6.73	3.30	7.03	6.88	3.32	7.45	7.17	3.37	7.66	7.30	3.39	8.09	7.57	3.44	8.30	7.69	3.46	8.51	7.81	3.48	8.34	8.24	3.48	8.94	8.05	3.53	9.36	8.27	3.58
50.0	6.66	6.58	3.30	6.87	6.72	3.32	7.28	7.00	3.37	7.49	7.14	3.39	7.90	7.39	3.44	8.11	7.52	3.46	8.32	7.64	3.48	8.15	8.06	3.48	8.73	7.86	3.53	9.14	8.08	3.58
51.0	6.51	6.42	3.30	6.71	6.57	3.32	7.11	6.84	3.37	7.31	6.97	3.39	7.72	7.22	3.44	7.92	7.34	3.46	8.12	7.46	3.48	7.96	7.87	3.48	8.53	7.68	3.53	8.93	7.89	3.58
52.0	6.35	6.27	3.30	6.55	6.41	3.32	6.94	6.67	3.37	7.14	6.80	3.39	7.53	7.05	3.44	7.73	7.16	3.46	7.93	7.28	3.48	7.77	7.68	3.48	8.32	7.50	3.53	8.72	7.70	3.58
54.0	6.04	5.96	3.30	6.22	6.09	3.32	6.60	6.35	3.37	6.79	6.47	3.39	7.16	6.70	3.44	7.35	6.81	3.46	7.54	6.92	3.48	7.39	7.30	3.48	7.91	7.13	3.53	8.29	7.32	3.58

Product models : RAV-SH3601BP-AE : RAV-SHB3601AP-AE,
 RAV-SH3601BP-Q : RAV-SH3601AP-Q,
 RAV-SH3601BP-BA : RAV-SH3601AP-BA

RAV-SH3601BP-OM : RAV-SHB3601AP-OM,
 RAV-SH3601BP-KW : RAV-SH3601AP-KW,

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	10.10	8.60
Sensible Heat Capacity (SHC)	(kW)	9.36	8.50
Power Input (P)	(kW)	2.920	3.520

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	9.91	9.79	2.08	10.22	10.00	2.09	10.83	10.42	2.12	11.14	10.61	2.13	11.76	11.00	2.16	12.06	11.18	2.18	12.37	11.36	2.19	12.12	11.98	2.19	12.99	11.70	2.22	13.60	12.02	2.25
23.0	9.68	9.56	2.18	9.98	9.77	2.19	10.58	10.17	2.22	10.88	10.37	2.24	11.48	10.74	2.27	11.78	10.92	2.28	12.08	11.09	2.30	11.84	11.70	2.30	12.69	11.43	2.33	13.29	11.74	2.36
25.0	9.45	9.33	2.28	9.74	9.54	2.29	10.33	9.93	2.33	10.62	10.12	2.34	11.21	10.49	2.37	11.50	10.66	2.39	11.80	10.83	2.41	11.56	11.43	2.40	12.38	11.15	2.44	12.97	11.46	2.47
27.0	9.22	9.10	2.38	9.50	9.30	2.40	10.08	9.69	2.43	10.36	9.87	2.45	10.94	10.23	2.48	11.22	10.40	2.50	11.51	10.57	2.51	11.28	11.15	2.51	12.08	10.88	2.55	12.65	11.18	2.58
29.0	8.99	8.88	2.48	9.27	9.07	2.50	9.82	9.45	2.53	10.10	9.63	2.55	10.66	9.97	2.58	10.94	10.14	2.60	11.22	10.30	2.62	11.00	10.87	2.62	11.78	10.61	2.66	12.34	10.90	2.69
31.0	8.76	8.65	2.58	9.03	8.84	2.60	9.57	9.20	2.64	9.85	9.38	2.65	10.39	9.72	2.69	10.66	9.88	2.71	10.93	10.04	2.73	10.71	10.59	2.72	11.48	10.34	2.76	12.02	10.62	2.80
33.0	8.53	8.42	2.68	8.79	8.61	2.70	9.32	8.96	2.74	9.59	9.13	2.76	10.12	9.46	2.80	10.38	9.62	2.81	10.65	9.77	2.83	10.43	10.31	2.83	11.18	10.07	2.87	11.70	10.34	2.91
35.0	8.30	8.19	2.78	8.55	8.37	2.80	9.07	8.72	2.84	9.33	8.89	2.86	9.84	9.21	2.90	10.10	9.36	2.92	10.36	9.51	2.94	10.15	10.03	2.93	10.87	9.79	2.98	11.39	10.06	3.02
37.0	8.07	7.97	2.88	8.32	8.14	2.90	8.82	8.48	2.94	9.07	8.64	2.96	9.57	8.95	3.01	9.82	9.10	3.03	10.07	9.24	3.05	9.87	9.75	3.04	10.57	9.52	3.09	11.07	9.78	3.13
39.0	7.84	7.74	2.98	8.08	7.91	3.00	8.57	8.24	3.05	8.81	8.39	3.07	9.30	8.70	3.11	9.54	8.84	3.13	9.78	8.98	3.15	9.59	9.48	3.15	10.27	9.25	3.20	10.76	9.50	3.24
41.0	7.60	7.51	3.08	7.84	7.68	3.11	8.31	7.99	3.15	8.55	8.15	3.17	9.02	8.44	3.22	9.26	8.58	3.24	9.49	8.72	3.26	9.30	9.20	3.25	9.97	8.98	3.30	10.44	9.22	3.35
43.0	7.37	7.28	3.19	7.60	7.44	3.21	8.06	7.75	3.25	8.29	7.90	3.28	8.75	8.18	3.32	8.98	8.32	3.34	9.21	8.45	3.37	9.02	8.92	3.36	9.67	8.71	3.41	10.12	8.94	3.46
44.0	7.26	7.17	3.24	7.48	7.33	3.26	7.94	7.63	3.30	8.16	7.78	3.33	8.61	8.06	3.37	8.84	8.19	3.40	9.06	8.32	3.42	8.88	8.78	3.41	9.51	8.57	3.47	9.96	8.80	3.51
45.0	7.14	7.05	3.29	7.37	7.21	3.31	7.81	7.51	3.36	8.03	7.65	3.38	8.48	7.93	3.43	8.70	8.06	3.45	8.92	8.19	3.47	8.74	8.64	3.47	9.36	8.43	3.52	9.81	8.66	3.57
46.0	7.03	6.94	3.34	7.25	7.09	3.36	7.68	7.39	3.41	7.90	7.53	3.43	8.34	7.80	3.48	8.56	7.93	3.50	8.78	8.06	3.53	8.60	8.50	3.52	9.21	8.30	3.57	9.65	8.52	3.62
47.0	6.91	6.83	3.39	7.13	6.98	3.41	7.56	7.27	3.46	7.77	7.41	3.48	8.20	7.67	3.53	8.42	7.80	3.56	8.63	7.92	3.58	8.46	8.36	3.57	9.06	8.16	3.63	9.49	8.38	3.68
48.0	6.91	6.82	3.30	7.12	6.97	3.32	7.55	7.26	3.37	7.77	7.40	3.39	8.20	7.67	3.44	8.41	7.79	3.46	8.62	7.92	3.48	8.45	8.35	3.48	9.05	8.15	3.53	9.48	8.38	3.58
49.0	6.82	6.73	3.30	7.03	6.88	3.32	7.45	7.17	3.37	7.66	7.30	3.39	8.09	7.57	3.44	8.30	7.69	3.46	8.51	7.81	3.48	8.34	8.24	3.48	8.94	8.05	3.53	9.36	8.27	3.58
50.0	6.66	6.58	3.30	6.87	6.72	3.32	7.28	7.00	3.37	7.49	7.14	3.39	7.90	7.39	3.44	8.11	7.52	3.46	8.32	7.64	3.48	8.15	8.06	3.48	8.73	7.86	3.53	9.14	8.08	3.58
51.0	6.51	6.42	3.30	6.71	6.57	3.32	7.11	6.84	3.37	7.31	6.97	3.39	7.72	7.22	3.44	7.92	7.34	3.46	8.12	7.46	3.48	7.96	7.87	3.48	8.53	7.68	3.53	8.93	7.89	3.58
52.0	6.35	6.27	3.30	6.55	6.41	3.32	6.94	6.67	3.37	7.14	6.80	3.39	7.53	7.05	3.44	7.73	7.16	3.46	7.93	7.28	3.48	7.77	7.68	3.48	8.32	7.50	3.53	8.72	7.70	3.58
54.0	6.04	5.96	3.30	6.22	6.09	3.32	6.60	6.35	3.37	6.79	6.47	3.39	7.16	6.70	3.44	7.35	6.81	3.46	7.54	6.92	3.48	7.39	7.30	3.48	7.91	7.13	3.53	8.29	7.32	3.58

Product models : RAV-SH4801BP-2B : RAV-SHB4801AP-2B

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	12.50	11.00
Sensible Heat Capacity (SHC)	(kW)	11.20	10.78
Power Input (P)	(kW)	3.610	4.510

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	11.89	11.38	2.38	12.26	11.63	2.39	13.00	12.10	2.43	13.37	12.33	2.44	14.11	12.76	2.48	14.48	12.97	2.49	14.85	13.18	2.51	14.55	14.26	2.51	15.59	13.56	2.54	16.33	13.92	2.58
23.0	11.66	11.16	2.53	12.02	11.40	2.55	12.75	11.86	2.58	13.11	12.09	2.60	13.83	12.52	2.63	14.20	12.72	2.65	14.56	12.92	2.67	14.27	13.98	2.67	15.28	13.30	2.71	16.01	13.65	2.74
25.0	11.43	10.93	2.68	11.78	11.17	2.70	12.49	11.63	2.74	12.85	11.85	2.76	13.56	12.27	2.79	13.91	12.47	2.81	14.27	12.66	2.83	13.98	13.70	2.83	14.98	13.03	2.87	15.69	13.38	2.91
27.0	11.20	10.71	2.83	11.54	10.95	2.85	12.24	11.39	2.89	12.59	11.61	2.91	13.28	12.02	2.95	13.63	12.21	2.97	13.98	12.40	2.99	13.70	13.43	2.99	14.67	12.77	3.03	15.37	13.10	3.07
29.0	10.96	10.49	2.98	11.30	10.72	3.00	11.99	11.16	3.05	12.33	11.37	3.07	13.01	11.77	3.11	13.35	11.96	3.13	13.69	12.15	3.15	13.41	13.15	3.15	14.37	12.50	3.19	15.05	12.83	3.24
31.0	10.73	10.27	3.14	11.07	10.49	3.16	11.73	10.92	3.20	12.07	11.12	3.22	12.73	11.52	3.27	13.07	11.71	3.29	13.40	11.89	3.31	13.13	12.87	3.31	14.07	12.24	3.36	14.73	12.56	3.40
33.0	10.50	10.05	3.29	10.83	10.26	3.31	11.48	10.68	3.36	11.80	10.88	3.38	12.46	11.27	3.43	12.78	11.45	3.45	13.11	11.63	3.47	12.85	12.59	3.47	13.76	11.97	3.52	14.41	12.29	3.57
35.0	10.27	9.82	3.44	10.59	10.04	3.46	11.22	10.45	3.51	11.54	10.64	3.54	12.18	11.02	3.59	12.50	11.20	3.61	12.82	11.37	3.63	12.56	12.31	3.63	13.46	11.71	3.68	14.09	12.02	3.73
37.0	10.04	9.60	3.59	10.35	9.81	3.62	10.97	10.21	3.67	11.28	10.40	3.69	11.91	10.77	3.74	12.22	10.95	3.77	12.53	11.12	3.80	12.28	12.03	3.79	13.15	11.44	3.85	13.78	11.74	3.90
39.0	9.80	9.38	3.74	10.11	9.58	3.77	10.72	9.97	3.82	11.02	10.16	3.85	11.63	10.52	3.90	11.93	10.69	3.93	12.24	10.86	3.96	11.99	11.75	3.95	12.85	11.18	4.01	13.46	11.47	4.06
41.0	9.57	9.16	3.90	9.87	9.36	3.92	10.46	9.74	3.98	10.76	9.92	4.01	11.35	10.27	4.06	11.65	10.44	4.09	11.95	10.60	4.12	11.71	11.48	4.11	12.54	10.91	4.17	13.14	11.20	4.23
43.0	9.34	8.94	4.05	9.63	9.13	4.08	10.21	9.50	4.13	10.50	9.68	4.16	11.08	10.02	4.22	11.37	10.19	4.25	11.66	10.35	4.28	11.43	11.20	4.27	12.24	10.65	4.33	12.82	10.93	4.39
44.0	9.22	8.82	4.12	9.51	9.02	4.15	10.08	9.38	4.21	10.37	9.56	4.24	10.94	9.90	4.30	11.23	10.06	4.33	11.51	10.22	4.36	11.28	11.06	4.35	12.09	10.52	4.42	12.66	10.79	4.47
45.0	9.11	8.71	4.20	9.39	8.90	4.23	9.95	9.27	4.29	10.24	9.44	4.32	10.80	9.77	4.38	11.09	9.93	4.41	11.37	10.09	4.44	11.14	10.92	4.43	11.93	10.38	4.50	12.50	10.66	4.56
46.0	8.99	8.60	4.28	9.27	8.79	4.31	9.83	9.15	4.37	10.11	9.32	4.40	10.67	9.65	4.46	10.95	9.81	4.49	11.22	9.96	4.52	11.00	10.78	4.51	11.78	10.25	4.58	12.34	10.52	4.64
47.0	8.87	8.49	4.35	9.15	8.68	4.38	9.70	9.03	4.44	9.98	9.20	4.47	10.53	9.52	4.54	10.80	9.68	4.57	11.08	9.83	4.60	10.86	10.64	4.59	11.63	10.12	4.66	12.18	10.39	4.72
48.0	7.41	7.09	3.15	7.64	7.24	3.18	8.10	7.54	3.22	8.33	7.68	3.24	8.79	7.95	3.29	9.02	8.08	3.31	9.25	8.21	3.33	9.07	8.88	3.33	9.71	8.45	3.38	10.17	8.67	3.42
49.0	7.22	6.91	3.15	7.44	7.06	3.18	7.89	7.35	3.22	8.12	7.48	3.24	8.57	7.75	3.29	8.79	7.88	3.31	9.01	8.00	3.33	8.83	8.66	3.33	9.46	8.23	3.38	9.91	8.45	3.42
50.0	7.03	6.73	3.15	7.25	6.87	3.18	7.69	7.15	3.22	7.90	7.29	3.24	8.34	7.55	3.29	8.56	7.67	3.31	8.78	7.79	3.33	8.60	8.43	3.33	9.22	8.02	3.38	9.65	8.23	3.42
51.0	6.83	6.54	3.15	7.05	6.68	3.18	7.47	6.95	3.22	7.68	7.08	3.24	8.11	7.33	3.29	8.32	7.45	3.31	8.53	7.57	3.33	8.36	8.19	3.33	8.96	7.79	3.38	9.38	8.00	3.42
52.0	6.22	5.95	2.80	6.41	6.08	2.82	6.80	6.33	2.86	6.99	6.45	2.88	7.38	6.67	2.92	7.57	6.78	2.94	7.76	6.89	2.96	7.61	7.46	2.95	8.15	7.09	3.00	8.54	7.28	3.04
54.0	5.83	5.58	2.80	6.01	5.70	2.82	6.38	5.93	2.86	6.56	6.05	2.88	6.92	6.26	2.92	7.10	6.36	2.94	7.28	6.46	2.96	7.14	6.99	2.95	7.64	6.65	3.00	8.01	6.83	3.04

Product models : RAV-SH4801BP-AE : RAV-SHB4801AP-AE,
RAV-SH4801BP-Q : RAV-SH4801AP-Q,
RAV-SH4801BP-BA : RAV-SH4801AP-BA

RAV-SH4801BP-OM : RAV-SHB4801AP-OM,
RAV-SH4801BP-KW : RAV-SH4801AP-KW,

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	12.50	11.00
Sensible Heat Capacity (SHC)	(kW)	11.20	10.78
Power Input (P)	(kW)	3.620	4.510

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	11.89	11.38	2.40	12.26	11.63	2.41	13.00	12.10	2.45	13.37	12.33	2.46	14.11	12.76	2.50	14.48	12.97	2.52	14.85	13.18	2.53	14.55	14.26	2.53	15.59	13.56	2.57	16.33	13.92	2.60
23.0	11.66	11.16	2.55	12.02	11.40	2.57	12.75	11.86	2.60	13.11	12.09	2.62	13.83	12.52	2.66	14.20	12.72	2.67	14.56	12.92	2.69	14.27	13.98	2.69	15.28	13.30	2.73	16.01	13.65	2.76
25.0	11.43	10.93	2.70	11.78	11.17	2.72	12.49	11.63	2.75	12.85	11.85	2.77	13.56	12.27	2.81	13.91	12.47	2.83	14.27	12.66	2.85	13.98	13.70	2.85	14.98	13.03	2.89	15.69	13.38	2.93
27.0	11.20	10.71	2.85	11.54	10.95	2.87	12.24	11.39	2.91	12.59	11.61	2.93	13.28	12.02	2.97	13.63	12.21	2.99	13.98	12.40	3.01	13.70	13.43	3.00	14.67	12.77	3.05	15.37	13.10	3.09
29.0	10.96	10.49	3.00	11.30	10.72	3.02	11.99	11.16	3.06	12.33	11.37	3.08	13.01	11.77	3.13	13.35	11.96	3.15	13.69	12.15	3.17	13.41	13.15	3.16	14.37	12.50	3.21	15.05	12.83	3.25
31.0	10.73	10.27	3.15	11.07	10.49	3.17	11.73	10.92	3.22	12.07	11.12	3.24	12.73	11.52	3.28	13.07	11.71	3.30	13.40	11.89	3.33	13.13	12.87	3.32	14.07	12.24	3.37	14.73	12.56	3.42
33.0	10.50	10.05	3.30	10.83	10.26	3.32	11.48	10.68	3.37	11.80	10.88	3.39	12.46	11.27	3.44	12.78	11.45	3.46	13.11	11.63	3.49	12.85	12.59	3.48	13.76	11.97	3.53	14.41	12.29	3.58
35.0	10.27	9.82	3.45	10.59	10.04	3.47	11.22	10.45	3.52	11.54	10.64	3.55	12.18	11.02	3.60	12.50	11.20	3.62	12.82	11.37	3.64	12.56	12.31	3.64	13.46	11.71	3.69	14.09	12.02	3.74
37.0	10.04	9.60	3.60	10.35	9.81	3.62	10.97	10.21	3.68	11.28	10.40	3.70	11.91	10.77	3.75	12.22	10.95	3.78	12.53	11.12	3.80	12.28	12.03	3.80	13.15	11.44	3.85	13.78	11.74	3.91
39.0	9.80	9.38	3.75	10.11	9.58	3.78	10.72	9.97	3.83	11.02	10.16	3.86	11.63	10.52	3.91	11.93	10.69	3.94	12.24	10.86	3.96	11.99	11.75	3.96	12.85	11.18	4.02	13.46	11.47	4.07
41.0	9.57	9.16	3.90	9.87	9.36	3.93	10.46	9.74	3.98	10.76	9.92	4.01	11.35	10.27	4.07	11.65	10.44	4.09	11.95	10.60	4.12	11.71	11.48	4.11	12.54	10.91	4.18	13.14	11.20	4.23
43.0	9.34	8.94	4.05	9.63	9.13	4.08	10.21	9.50	4.14	10.50	9.68	4.16	11.08	10.02	4.22	11.37	10.19	4.25	11.66	10.35	4.28	11.43	11.20	4.27	12.24	10.65	4.34	12.82	10.93	4.39
44.0	9.22	8.82	4.12	9.51	9.02	4.15	10.08	9.38	4.21	10.37	9.56	4.24	10.94	9.90	4.30	11.23	10.06	4.33	11.51	10.22	4.36	11.28	11.06	4.35	12.09	10.52	4.42	12.66	10.79	4.48
45.0	9.11	8.71	4.20	9.39	8.90	4.23	9.95	9.27	4.29	10.24	9.44	4.32	10.80	9.77	4.38	11.09	9.93	4.41	11.37	10.09	4.44	11.14	10.92	4.43	11.93	10.38	4.50	12.50	10.66	4.56
46.0	8.99	8.60	4.28	9.27	8.79	4.31	9.83	9.15	4.37	10.11	9.32	4.40	10.67	9.65	4.46	10.95	9.81	4.49	11.22	9.96	4.52	11.00	10.78	4.51	11.78	10.25	4.58	12.34	10.52	4.64
47.0	8.87	8.49	4.35	9.15	8.68	4.38	9.70	9.03	4.44	9.98	9.20	4.47	10.53	9.52	4.54	10.80	9.68	4.57	11.08	9.83	4.60	10.86	10.64	4.59	11.63	10.12	4.66	12.18	10.39	4.72
48.0	7.41	7.09	3.15	7.64	7.24	3.18	8.10	7.54	3.22	8.33	7.68	3.24	8.79	7.95	3.29	9.02	8.08	3.31	9.25	8.21	3.33	9.07	8.88	3.33	9.71	8.45	3.38	10.17	8.67	3.42
49.0	7.22	6.91	3.15	7.44	7.06	3.18	7.89	7.35	3.22	8.12	7.48	3.24	8.57	7.75	3.29	8.79	7.88	3.31	9.01	8.00	3.33	8.83	8.66	3.33	9.46	8.23	3.38	9.91	8.45	3.42
50.0	7.03	6.73	3.15	7.25	6.87	3.18	7.69	7.15	3.22	7.90	7.29	3.24	8.34	7.55	3.29	8.56	7.67	3.31	8.78	7.79	3.33	8.60	8.43	3.33	9.22	8.02	3.38	9.65	8.23	3.42
51.0	6.83	6.54	3.15	7.05	6.68	3.18	7.47	6.95	3.22	7.68	7.08	3.24	8.11	7.33	3.29	8.32	7.45	3.31	8.53	7.57	3.33	8.36	8.19	3.33	8.96	7.79	3.38	9.38	8.00	3.42
52.0	6.22	5.95	2.80	6.41	6.08	2.82	6.80	6.33	2.86	6.99	6.45	2.88	7.38	6.67	2.92	7.57	6.78	2.94	7.76	6.89	2.96	7.61	7.46	2.95	8.15	7.09	3.00	8.54	7.28	3.04
54.0	5.83	5.58	2.80	6.01	5.70	2.82	6.38	5.93	2.86	6.56	6.05	2.88	6.92	6.26	2.92	7.10	6.36	2.94	7.28	6.46	2.96	7.14	6.99	2.95	7.64	6.65	3.00	8.01	6.83	3.04

Product models : RAV-SH6001BP-AE1 : RAV-SHB6001A8P-AE,
RAV-SH6001BP-Q1 : RAV-SH6001A8P-Q,
RAV-SH6001BP-BA1 : RAV-SH6001A8P-BA

RAV-SH6001BP-OM1 : RAV-SHB6001A8P-OM,
RAV-SH6001BP-KW1 : RAV-SH6001A8P-KW,
RAV-SH6001BP-2B1 : RAV-SHB6001A8P-2B

Specification of product at standard condition :

Condition name		T1	T3
Indoor		27.0 °C DB / 19.0 °C WB	29.0 °C DB / 19.0 °C WB
Outdoor		35.0 °C DB / 24.0 °C WB	46.0 °C DB / 26.0 °C WB
Total Cooling Capacity (TC)	(kW)	14.20	12.60
Sensible Heat Capacity (SHC)	(kW)	12.80	12.10
Power Input (P)	(kW)	3.940	4.510

Indoor temp Outdoor temp	20.0 °C DB			21.0 °C DB			23.0 °C DB			24.0 °C DB			26.0 °C DB			27.0 °C DB			28.0 °C DB			29.0 °C DB			30.0 °C DB			32.0 °C DB		
	14.0 °C WB, RH=51%			15.0 °C WB, RH=48%			16.0 °C WB, RH=48%			17.0 °C WB, RH=49%			18.0 °C WB, RH=45%			19.0 °C WB, RH=46%			20.0 °C WB, RH=47%			19.0 °C WB, RH=38%			22.0 °C WB, RH=49%			23.0 °C WB, RH=46%		
°C DB	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	P
21.0	13.40	12.90	3.08	13.82	13.18	3.10	14.65	13.72	3.15	15.07	13.97	3.17	15.90	14.47	3.21	16.32	14.71	3.24	16.73	14.94	3.26	16.40	15.75	3.25	17.57	15.38	3.30	18.40	15.79	3.34
23.0	13.15	12.66	3.18	13.56	12.93	3.20	14.38	13.46	3.25	14.79	13.72	3.27	15.61	14.20	3.31	16.01	14.44	3.34	16.42	14.66	3.36	16.09	15.46	3.35	17.24	15.09	3.40	18.06	15.49	3.45
25.0	12.91	12.42	3.27	13.31	12.69	3.30	14.11	13.21	3.34	14.51	13.46	3.37	15.31	13.93	3.41	15.71	14.16	3.44	16.11	14.38	3.46	15.79	15.16	3.45	16.91	14.81	3.51	17.72	15.20	3.55
27.0	12.66	12.18	3.37	13.05	12.44	3.39	13.84	12.95	3.44	14.23	13.20	3.46	15.02	13.67	3.51	15.41	13.89	3.54	15.80	14.11	3.56	15.49	14.87	3.55	16.59	14.52	3.61	17.38	14.91	3.66
29.0	12.41	11.94	3.46	12.79	12.20	3.49	13.57	12.70	3.54	13.95	12.94	3.56	14.72	13.40	3.61	15.11	13.62	3.64	15.49	13.83	3.66	15.18	14.58	3.65	16.26	14.24	3.71	17.03	14.62	3.76
31.0	12.16	11.70	3.56	12.54	11.96	3.58	13.29	12.45	3.63	13.67	12.68	3.66	14.43	13.13	3.71	14.80	13.35	3.74	15.18	13.55	3.76	14.88	14.29	3.75	15.94	13.95	3.81	16.69	14.32	3.86
33.0	11.91	11.46	3.65	12.28	11.71	3.68	13.02	12.19	3.73	13.39	12.42	3.76	14.13	12.86	3.81	14.50	13.07	3.84	14.87	13.28	3.86	14.57	14.00	3.86	15.61	13.67	3.91	16.35	14.03	3.97
35.0	11.66	11.22	3.75	12.03	11.47	3.78	12.75	11.94	3.83	13.11	12.16	3.86	13.84	12.59	3.91	14.20	12.80	3.94	14.56	13.00	3.97	14.27	13.70	3.96	15.29	13.38	4.02	16.01	13.74	4.07
37.0	11.42	10.98	3.85	11.77	11.22	3.87	12.48	11.68	3.93	12.83	11.90	3.95	13.54	12.33	4.01	13.90	12.53	4.04	14.25	12.72	4.06	13.97	13.41	4.06	14.96	13.10	4.12	15.67	13.45	4.17
39.0	11.17	10.75	3.94	11.51	10.98	3.97	12.21	11.43	4.02	12.55	11.64	4.05	13.25	12.06	4.11	13.60	12.25	4.14	13.94	12.45	4.16	13.66	13.12	4.16	14.64	12.81	4.22	15.33	13.15	4.28
41.0	10.92	10.51	4.04	11.26	10.73	4.06	11.94	11.17	4.12	12.28	11.39	4.15	12.95	11.79	4.21	13.29	11.98	4.24	13.63	12.17	4.26	13.36	12.83	4.26	14.31	12.53	4.32	14.99	12.86	4.38
43.0	10.67	10.27	4.13	11.00	10.49	4.16	11.66	10.92	4.22	12.00	11.13	4.25	12.66	11.52	4.31	12.99	11.71	4.34	13.32	11.89	4.37	13.06	12.54	4.36	13.98	12.24	4.42	14.65	12.57	4.48
44.0	10.55	10.15	4.18	10.87	10.37	4.21	11.53	10.79	4.27	11.86	11.00	4.30	12.51	11.39	4.36	12.84	11.57	4.39	13.17	11.75	4.42	12.90	12.39	4.41	13.82	12.10	4.48	14.48	12.42	4.53
45.0	10.42	10.03	4.23	10.75	10.25	4.26	11.39	10.67	4.32	11.72	10.87	4.35	12.36	11.25	4.41	12.69	11.44	4.44	13.01	11.62	4.47	12.75	12.25	4.46	13.66	11.96	4.53	14.31	12.27	4.59
46.0	10.30	9.91	4.27	10.62	10.12	4.30	11.26	10.54	4.37	11.58	10.74	4.40	12.22	11.12	4.46	12.54	11.30	4.49	12.86	11.48	4.52	12.60	12.10	4.51	13.50	11.81	4.58	14.14	12.13	4.64
47.0	10.17	9.79	4.32	10.49	10.00	4.35	11.12	10.41	4.41	11.44	10.61	4.44	12.07	10.98	4.51	12.39	11.16	4.54	12.70	11.34	4.57	12.45	11.95	4.56	13.33	11.67	4.63	13.97	11.98	4.69
48.0	10.05	9.67	4.37	10.36	9.88	4.40	10.99	10.28	4.46	11.30	10.48	4.49	11.92	10.85	4.56	12.23	11.03	4.59	12.55	11.20	4.62	12.30	11.81	4.61	13.17	11.53	4.68	13.80	11.84	4.74
49.0	8.74	8.41	3.55	9.01	8.59	3.58	9.55	8.94	3.63	9.83	9.11	3.65	10.37	9.44	3.70	10.64	9.59	3.73	10.91	9.74	3.76	10.69	10.27	3.75	11.45	10.03	3.81	12.00	10.29	3.86
50.0	8.56	8.24	3.55	8.82	8.41	3.58	9.36	8.76	3.63	9.62	8.92	3.65	10.15	9.24	3.70	10.42	9.39	3.73	10.69	9.54	3.76	10.47	10.06	3.75	11.22	9.82	3.81	11.75	10.08	3.86
51.0	8.37	8.05	3.55	8.63	8.23	3.58	9.15	8.57	3.63	9.41	8.73	3.65	9.93	9.04	3.70	10.19	9.19	3.73	10.45	9.33	3.76	10.24	9.83	3.75	10.97	9.60	3.81	11.49	9.86	3.86
52.0	7.49	7.21	3.04	7.72	7.36	3.06	8.19	7.67	3.10	8.42	7.81	3.13	8.89	8.09	3.17	9.12	8.22	3.19	9.35	8.35	3.21	9.17	8.80	3.21	9.82	8.59	3.25	10.28	8.82	3.30
54.0	7.11	6.84	3.04	7.33	6.99	3.06	7.78	7.28	3.10	8.00	7.42	3.13	8.44	7.68	3.17	8.66	7.81	3.19	8.88	7.93	3.21	8.70	8.36	3.21	9.32	8.16	3.25	9.76	8.38	3.30

2-2-5. Part Load Performance

Combination

Indoor Unit : RAV-SH1801BP-2B

Outdoor unit : RAV-SHB1801AP-2B

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	1600	435
RATING	5280	1475

Q: Capacity in W

W: Power Consumption in W

Cooling

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	3870	3500	3120	2730	2340	1950	1560	1180	1180	1180
	W	1810	1760	1470	1180	940	730	630	630	630	630
52	Q	4090	3640	3230	2830	2420	2020	1620	1220	1220	1220
	W	1810	1710	1420	1140	910	700	610	610	610	610
48	Q	4330	3900	3470	3030	2600	2170	1730	1310	1310	1310
	W	1900	1600	1330	1070	850	660	570	570	570	570
46	Q	4480	4030	3580	3130	2690	2240	1790	1360	1360	1360
	W	1840	1540	1280	1030	820	630	550	550	550	550
43	Q	4700	4230	3760	3290	2820	2350	1880	1420	1420	1420
	W	1740	1460	1210	980	780	600	520	520	520	520
40	Q	4920	4420	3930	3440	2950	2460	1970	1490	1490	1490
	W	1640	1380	1140	920	730	570	490	490	490	490
35	Q	5280	4752	4224	3696	3168	2640	2112	1600	1600	1600
	W	1475	1240	1030	830	660	510	440	440	440	440
30	Q	5640	5080	4520	3950	3390	2820	2260	1710	1710	1710
	W	1310	1100	920	740	590	450	390	390	390	390
25	Q	6010	5410	4810	4210	3610	3000	2400	1820	1820	1820
	W	1150	960	800	650	510	400	340	340	340	340
20	Q	6300	5670	5040	4410	3780	3150	2520	1910	1910	1910
	W	1020	850	710	570	450	350	300	300	300	300

Combination

Indoor Unit : RAV-SH1801BP-Q, RAV-SH1801BP-BA,
RAV-SH1801BP-AE, RAV-SH1801BP-KW, RAV-SH1801BP-OM

Outdoor unit : RAV-SH1801AP-Q, RAV-SH1801AP-BA
RAV-SHB1801AP-AE, RAV-SH1801AP-KW, RAV-SHB1801AP-OM

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	1600	435
RATING	5300	1475

Cooling

Q: Capacity in W

W: Power Consumption in W

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	3870	3520	3130	2740	2350	1950	1560	1180	1180	1180
	W	1810	1760	1470	1180	940	730	630	630	630	630
52	Q	4090	3650	3240	2840	2430	2030	1620	1220	1220	1220
	W	1810	1710	1420	1140	910	700	610	610	610	610
48	Q	4330	3910	3480	3040	2610	2170	1740	1310	1310	1310
	W	1900	1600	1330	1070	850	660	570	570	570	570
46	Q	4480	4040	3600	3150	2700	2250	1800	1360	1360	1360
	W	1840	1540	1280	1030	820	630	550	550	550	550
43	Q	4700	4240	3770	3300	2830	2360	1890	1420	1420	1420
	W	1740	1460	1210	980	780	600	520	520	520	520
40	Q	4930	4440	3950	3450	2960	2470	1970	1490	1490	1490
	W	1640	1380	1140	920	730	570	490	490	490	490
35	Q	5300	4770	4240	3710	3180	2650	2120	1600	1600	1600
	W	1475	1240	1030	830	660	510	440	440	440	440
30	Q	5670	5100	4530	3970	3400	2830	2270	1710	1710	1710
	W	1310	1100	920	740	590	450	390	390	390	390
25	Q	6050	5430	4830	4220	3620	3020	2410	1820	1820	1820
	W	1150	960	800	650	510	400	340	340	340	340
20	Q	6350	5690	5060	4430	3800	3160	2530	1910	1910	1910
	W	1020	850	710	570	450	350	300	300	300	300

Combination

Indoor Unit : RAV-SH2401BP-2B

Outdoor unit : RAV-SHB2401AP-2B

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	2000	565
RATING	6600	1910

Cooling

Q: Capacity in W

W: Power Consumption in W

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	1950	1950	1950	1950	2920	2430	1950	1480	1480	1480
	W	1440	1440	1440	1440	1210	920	810	810	810	810
52	Q	3120	3120	3120	3120	3030	2520	2020	1530	1530	1530
	W	1440	1440	1440	1440	1170	900	790	790	790	790
48	Q	4980	4980	4330	3790	3250	2710	2170	1640	1640	1640
	W	2050	2050	1710	1390	1100	840	730	730	730	730
46	Q	5570	5040	4480	3920	3360	2800	2240	1700	1700	1700
	W	2290	2000	1660	1340	1060	810	710	710	710	710
43	Q	5850	5280	4700	4110	3520	2940	2350	1780	1780	1780
	W	2190	1900	1570	1270	1000	770	670	670	670	670
40	Q	6140	5530	4920	4300	3690	3070	2460	1860	1860	1860
	W	2120	1790	1480	1200	940	720	630	630	630	630
35	Q	6600	5940	5280	4620	3960	3300	2640	2000	2000	2000
	W	1910	1610	1330	1080	850	650	570	570	570	570
30	Q	7060	6350	5640	4940	4230	3530	2820	2140	2140	2140
	W	1700	1430	1180	960	760	580	510	510	510	510
25	Q	7530	6760	6010	5260	4510	3760	3000	2280	2280	2280
	W	1560	1250	1030	840	660	510	440	440	440	440
20	Q	7910	7090	6300	5510	4730	3940	3150	2390	2390	2390
	W	1420	1110	920	740	590	450	390	390	390	390

Combination

Indoor Unit : RAV-SH2401BP-Q, RAV-SH2401BP-BA,
RAV-SH2401BP-AE, RAV-SH2401BP-KW, RAV-SH2401BP-OM

Outdoor unit : RAV-SH2401AP-Q, RAV-SH2401UP-BA
RAV-SHB2401AP-AE, RAV-SH2401AP-KW, RAV-SHB2401AP-OM

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	2000	565
RATING	6600	1910

Q: Capacity in W

W: Power Consumption in W

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	1950	1950	1950	1950	2920	2430	1950	1480	1480	1480
	W	1440	1440	1440	1440	1210	920	810	810	810	810
52	Q	3120	3120	3120	3120	3030	2520	2020	1530	1530	1530
	W	1440	1440	1440	1440	1170	900	790	790	790	790
48	Q	4980	4980	4330	3790	3250	2710	2170	1640	1640	1640
	W	2050	2050	1710	1390	1100	840	730	730	730	730
46	Q	5570	5040	4480	3920	3360	2800	2240	1700	1700	1700
	W	2290	2000	1660	1340	1060	810	710	710	710	710
43	Q	5850	5280	4700	4110	3520	2940	2350	1780	1780	1780
	W	2190	1900	1570	1270	1000	770	670	670	670	670
40	Q	6140	5530	4920	4300	3690	3070	2460	1860	1860	1860
	W	2120	1790	1480	1200	940	720	630	630	630	630
35	Q	6600	5940	5280	4620	3960	3300	2640	2000	2000	2000
	W	1910	1610	1330	1080	850	650	570	570	570	570
30	Q	7060	6350	5640	4940	4230	3530	2820	2140	2140	2140
	W	1700	1430	1180	960	760	580	510	510	510	510
25	Q	7530	6760	6010	5260	4510	3760	3000	2280	2280	2280
	W	1560	1250	1030	840	660	510	440	440	440	440
20	Q	7910	7090	6300	5510	4730	3940	3150	2390	2390	2390
	W	1420	1110	920	740	590	450	390	390	390	390

Combination

Indoor Unit : RAV-SH3001BP-2B

Outdoor unit : RAV-SHB3001AP-2B

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	3000	790
RATING	88000	2480

Q: Capacity in W

W: Power Consumption in W

Cooling

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	6490	5840	5190	4540	3890	3250	2600	2210	2210	2210
	W	3500	2960	2450	1990	1580	1210	1120	1120	1120	1120
52	Q	6730	6060	5390	4710	4040	3370	2690	2300	2300	2300
	W	3390	2870	2370	1930	1530	1170	1090	1090	1090	1090
48	Q	7220	6500	5780	5050	4330	3610	2890	2460	2460	2460
	W	3180	2680	2220	1800	1430	1100	1020	1020	1020	1020
46	Q	7460	6720	5970	5220	4480	3730	2980	2540	2540	2540
	W	3070	2590	2140	1740	1380	1060	980	980	980	980
43	Q	7830	7040	6260	5480	4700	3910	3130	2670	2670	2670
	W	2910	2450	2030	1650	1310	1000	930	930	930	930
40	Q	8190	7370	6550	5730	4920	4100	3280	2790	2790	2790
	W	2740	2310	1910	1560	1230	940	880	880	880	880
35	Q	8800	7920	7040	6160	5280	4400	3520	3000	3000	3000
	W	2480	2080	1720	1400	1110	850	790	790	790	790
30	Q	9410	8470	7530	6590	5640	4700	3760	3210	3210	3210
	W	2200	1850	1530	1240	990	760	700	700	700	700
25	Q	10020	9010	8010	7010	6010	5010	4010	3410	3410	3410
	W	1940	1620	1340	1090	860	660	610	610	610	610
20	Q	10500	9450	8400	7350	6300	5250	4200	3580	3580	3580
	W	1730	1430	1180	960	760	590	540	540	540	540

Combination

Indoor Unit : RAV-SH3001BP-Q, RAV-SH3001BP-BA,
RAV-SH3001BP-AE, RAV-SH3001BP-KW, RAV-SH3001BP-OM

Outdoor unit : RAV-SH3001AP-Q, RAV-SH3001AP-BA
RAV-SHB3001AP-AE, RAV-SH3001AP-KW, RAV-SHB3001AP-OM

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	3000	790
RATING	88000	2480

Q: Capacity in W

W: Power Consumption in W

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	6490	5840	5190	4540	3890	3250	2600	2210	2210	2210
	W	3500	2960	2450	1990	1580	1210	1120	1120	1120	1120
52	Q	6730	6060	5390	4710	4040	3370	2690	2300	2300	2300
	W	3390	2870	2370	1930	1530	1170	1090	1090	1090	1090
48	Q	7220	6500	5780	5050	4330	3610	2890	2460	2460	2460
	W	3180	2680	2220	1800	1430	1100	1020	1020	1020	1020
46	Q	7460	6720	5970	5220	4480	3730	2980	2540	2540	2540
	W	3070	2590	2140	1740	1380	1060	980	980	980	980
43	Q	7830	7040	6260	5480	4700	3910	3130	2670	2670	2670
	W	2910	2450	2030	1650	1310	1000	930	930	930	930
40	Q	8190	7370	6550	5730	4920	4100	3280	2790	2790	2790
	W	2740	2310	1910	1560	1230	940	880	880	880	880
35	Q	8800	7920	7040	6160	5280	4400	3520	3000	3000	3000
	W	2480	2080	1720	1400	1110	850	790	790	790	790
30	Q	9410	8470	7530	6590	5640	4700	3760	3210	3210	3210
	W	2200	1850	1530	1240	990	760	700	700	700	700
25	Q	10020	9010	8010	7010	6010	5010	4010	3410	3410	3410
	W	1940	1620	1340	1090	860	660	610	610	610	610
20	Q	10500	9450	8400	7350	6300	5250	4200	3580	3580	3580
	W	1730	1430	1180	960	760	590	540	540	540	540

Combination

Indoor Unit : RAV-SH3601BP-2B

Outdoor unit : RAV-SHB3601AP-2B

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	3000	900
RATING	10100	2920

Q: Capacity in W

W: Power Consumption in W

Cooling

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	7350	6700	5960	5210	4470	3720	2980	2230	2210	2210
	W	3460	3400	2890	2350	1850	1420	1280	1280	1280	1280
52	Q	7730	6950	6180	5410	4640	3860	3090	2320	2300	2300
	W	3460	3320	2800	2270	1790	1380	1240	1240	1240	1240
48	Q	8410	7460	6630	5800	4970	4140	3310	2490	2460	2460
	W	3460	3160	2620	2130	1680	1290	1160	1160	1160	1160
46	Q	8560	7710	6850	6000	5140	4280	3430	2570	2540	2540
	W	3500	3050	2530	2050	1620	1240	1120	1120	1120	1120
43	Q	8980	8090	7190	6290	5390	4490	3590	2700	2670	2670
	W	3340	2890	2390	1940	1530	1180	1060	1060	1060	1060
40	Q	9300	8460	7520	6580	5640	4700	3760	2820	2790	2790
	W	3180	2720	2260	1830	1440	1110	1000	1000	1000	1000
35	Q	10100	9090	8080	7070	6060	5050	4040	3030	3000	3000
	W	2920	2450	2030	1650	1300	1000	900	900	900	900
30	Q	10800	9720	8640	7560	6480	5400	4320	3240	3210	3210
	W	2650	2180	1800	1470	1160	890	800	800	800	800
25	Q	1150	10350	9200	8050	6900	5750	4600	3450	3410	3410
	W	2390	1910	1580	1280	1010	780	700	700	700	700
20	Q	12060	10850	9640	8440	7230	6030	4820	3620	3580	3580
	W	2180	1690	1400	1140	900	690	620	620	620	620

Combination

Indoor Unit : RAV-SH3601BP-Q, RAV-SH3601BP-BA,
RAV-SH3601BP-AE, RAV-SH3601BP-KW, RAV-SH3601BP-OM

Outdoor unit : RAV-SH3601AP-Q, RAV-SH3601AP-BA
RAV-SHB3601AP-AE, RAV-SH3601AP-KW, RAV-SHB3601AP-OM

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	3000	900
RATING	10100	2920

Cooling

Q: Capacity in W

W: Power Consumption in W

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	7350	6700	5960	5210	4470	3720	2980	2230	2210	2210
	W	3460	3400	2890	2350	1850	1420	1280	1280	1280	1280
52	Q	7730	6950	6180	5410	4640	3860	3090	2320	2300	2300
	W	3460	3320	2800	2270	1790	1380	1240	1240	1240	1240
48	Q	8410	7460	6630	5800	4970	4140	3310	2490	2460	2460
	W	3460	3160	2620	2130	1680	1290	1160	1160	1160	1160
46	Q	8560	7710	6850	6000	5140	4280	3430	2570	2540	2540
	W	3500	3050	2530	2050	1620	1240	1120	1120	1120	1120
43	Q	8980	8090	7190	6290	5390	4490	3590	2700	2670	2670
	W	3340	2890	2390	1940	1530	1180	1060	1060	1060	1060
40	Q	9300	8460	7520	6580	5640	4700	3760	2820	2790	2790
	W	3180	2720	2260	1830	1440	1110	1000	1000	1000	1000
35	Q	10100	9090	8080	7070	6060	5050	4040	3030	3000	3000
	W	2920	2450	2030	1650	1300	1000	900	900	900	900
30	Q	10800	9720	8640	7560	6480	5400	4320	3240	3210	3210
	W	2650	2180	1800	1470	1160	890	800	800	800	800
25	Q	1150	10350	9200	8050	6900	5750	4600	3450	3410	3410
	W	2390	1910	1580	1280	1010	780	700	700	700	700
20	Q	12060	10850	9640	8440	7230	6030	4820	3620	3580	3580
	W	2180	1690	1400	1140	900	690	620	620	620	620

Combination

Indoor Unit : RAV-SH4801BP-2B

Outdoor unit : RAV-SHB4801AP-2B

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	4000	900
RATING	12500	3610

Q: Capacity in W

W: Power Consumption in W

Cooling

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	7100	7100	7100	6450	5530	4610	3690	2950	2950	2950
	W	2940	2940	2940	2890	2290	1760	1310	1280	1280	1280
52	Q	7570	7570	7570	6690	5740	4780	3830	3060	3060	3060
	W	2940	2940	2940	2800	2220	1710	1270	1240	1240	1240
48	Q	9020	9020	8200	7180	6150	5130	4100	3280	3280	3280
	W	3310	3310	3240	2620	2080	1600	1190	1160	1160	1160
46	Q	10950	9540	8480	7420	6360	5300	4240	3390	3390	3390
	W	4490	3770	3120	2530	2000	1540	1150	1120	1120	1120
43	Q	11370	10010	8900	7780	6670	5560	4450	3560	3560	3560
	W	4250	3570	2960	2390	1900	1460	1080	1060	1060	1060
40	Q	11790	10470	9310	8150	6980	5820	4650	3720	3720	3720
	W	4010	3370	2790	2260	1790	1380	1020	1000	1000	1000
35	Q	12500	11250	10000	8750	7500	6250	5000	4000	4000	4000
	W	3610	3030	2510	2030	1610	1240	920	900	900	900
30	Q	13210	12030	10690	9350	8020	6680	5350	4280	4280	4280
	W	3210	2690	2230	1800	1430	1100	820	800	800	800
25	Q	13910	12800	11380	9960	8540	7110	5690	4550	4550	4550
	W	2810	2360	1950	1580	1250	960	720	700	700	700
20	Q	14480	13430	11930	10440	8950	7460	5970	4770	4770	4770
	W	2490	2090	1730	1400	1110	850	630	620	620	620

Combination

Indoor Unit : RAV-SH4801BP-Q, RAV-SH4801BP-BA,
RAV-SH4801BP-AE, RAV-SH4801BP-OM

Outdoor unit : RAV-SH4801AP-Q, RAV-SH4801AP-BA
RAV-SHB4801AP-AE, RAV-SHB4801AP-OM

	Cooling	
	Capacity(W)	Power consumption (W)
MINIMUM	4000	900
RATING	12500	3620

Q: Capacity in W

W: Power Consumption in W

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
54	Q	7100	7100	7100	6450	5530	4610	3690	2950	2950	2950
	W	2940	2940	2940	2900	2300	1760	1310	1280	1280	1280
52	Q	7570	7570	7570	6690	5740	4780	3830	3060	3060	3060
	W	2940	2940	2940	2810	2230	1710	1270	1240	1240	1240
48	Q	9020	9020	8200	7180	6150	5130	4100	3280	3280	3280
	W	3310	3310	3250	2630	2090	1600	1190	1160	1160	1160
46	Q	10950	9540	8480	7420	6360	5300	4240	3390	3390	3390
	W	4490	3780	3140	2540	2020	1540	1150	1120	1120	1120
43	Q	11370	10010	8900	7780	6670	5560	4450	3560	3560	3560
	W	4250	3580	2970	2400	1910	1460	1080	1060	1060	1060
40	Q	11790	10470	9310	8150	6980	5820	4650	3720	3720	3720
	W	4010	3380	2800	2270	1800	1380	1020	1000	1000	1000
35	Q	12500	11250	10000	8750	7500	6250	5000	4000	4000	4000
	W	3620	3040	2520	2040	1620	1240	920	900	900	900
30	Q	13210	12030	10690	9350	8020	6680	5350	4280	4280	4280
	W	3230	2700	2240	1810	1440	1100	820	800	800	800
25	Q	13910	12800	11380	9960	8540	7110	5690	4550	4550	4550
	W	2830	2360	1960	1590	1260	960	720	700	700	700
20	Q	14480	13430	11930	10440	8950	7460	5970	4770	4770	4770
	W	2520	2090	1740	1400	1120	850	630	620	620	620

Combination

Indoor Unit : RAV-SH6001BP-Q1, RAV-SH6001BP-BA1, RAV-SH6001BP-KW1,
RAV-SH6001BP-OM1, RAV-SH6001BP-2B1, RAV-SH6001BP-AE1

Outdoor unit : RAV-SH6001A8P-Q, RAV-SH6001A8P-BA, RAV-SH6001A8P-KW,
RAV-SHB6001A8P-OM, RAV-SHB6001A8P-2B, RAV-SHB6001A8P-AE

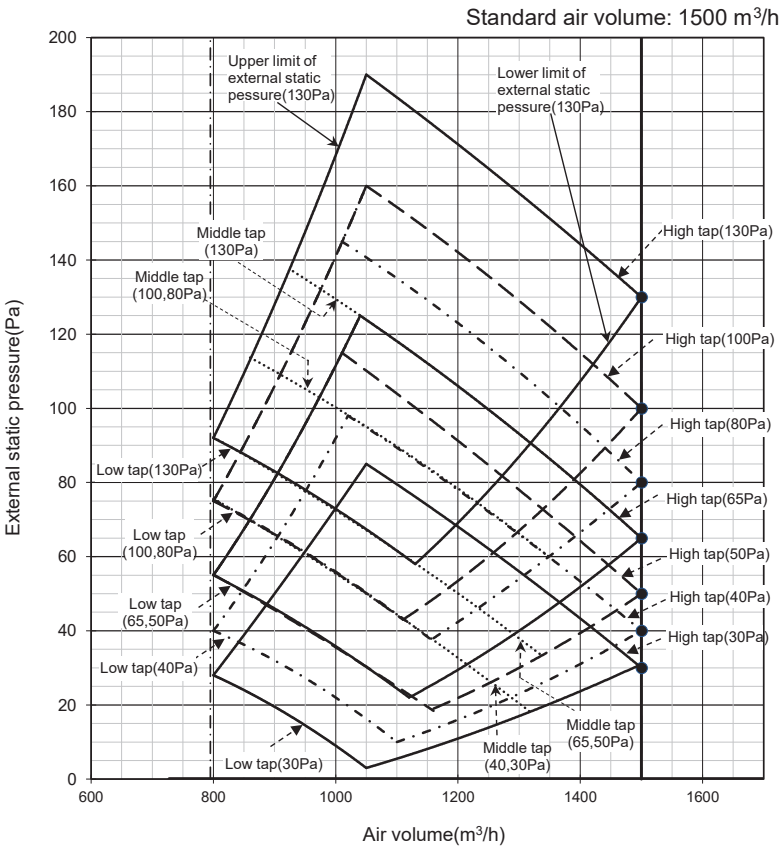
Operation range		Cooling	
		Q	P
MINIMUM	W	5000	1050
RATING	W	14200	3940
MAXIMUM	W	19000	7000

Cooling

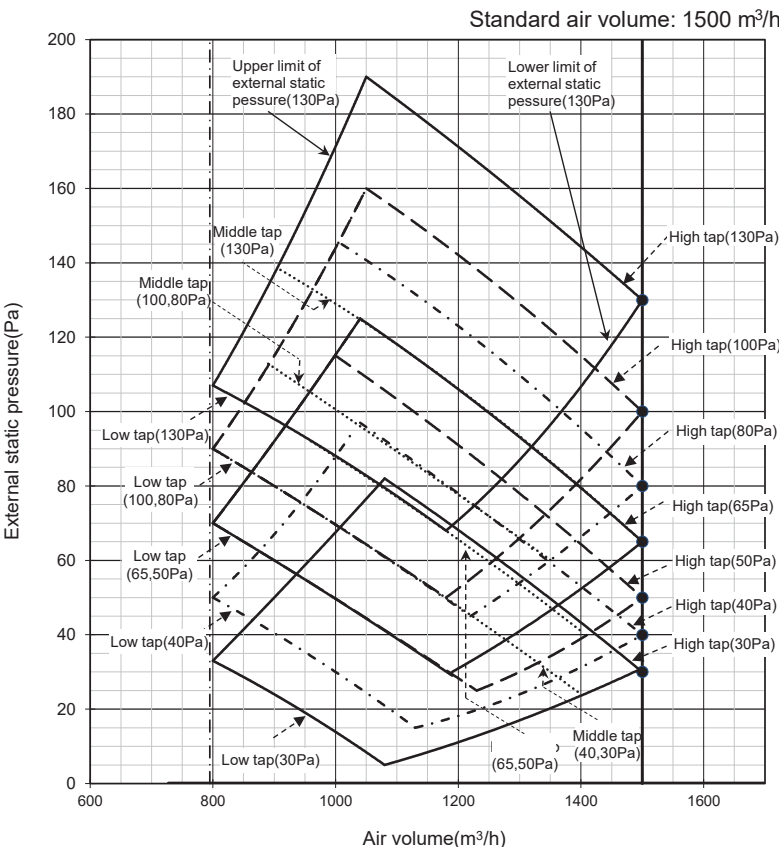
Outdoor Temperature DB (°C)	Parts Load (%)																	
	100		90		80		70		60		50		40		30		20	
	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
20	16934	3093	15240	2743	13547	2393	11853	2042	10160	1692	8467	1342	6773	992	5963	824	5963	824
21	16751	3149	15076	2793	13401	2436	11726	2080	10051	1723	8376	1367	6701	1010	5898	839	5898	839
22	16569	3206	14812	2843	13255	2480	11598	2117	9941	1754	8285	1391	6628	1028	5834	854	5834	854
23	16387	3262	14748	2893	13109	2524	11471	2154	9832	1785	8193	1416	6555	1046	5770	869	5770	869
24	16205	3319	14584	2943	12964	2567	11343	2192	9723	1816	8102	1440	6482	1064	5706	884	5706	884
25	16022	3375	14420	2993	12818	2611	11216	2229	9613	1847	8011	1465	6409	1082	5642	900	5642	900
26	15840	3432	14256	3043	12672	2655	11088	2266	9504	1878	7920	1489	6336	1101	5578	915	5578	915
27	15658	3488	14092	3093	12526	2698	10961	2303	9395	1909	7829	1514	6263	1119	5513	930	5513	930
28	15476	3545	13928	3143	12381	2742	10833	2341	9285	1939	7738	1538	6190	1137	5449	945	5449	945
29	15293	3601	13764	3193	12235	2786	10705	2378	9176	1970	7647	1563	6117	1155	5385	960	5385	960
30	15111	3658	13600	3244	12089	2829	10578	2415	9067	2001	7556	1587	6044	1173	5321	975	5321	975
31	14929	3714	13436	3294	11943	2873	10450	2453	8957	2032	7464	1612	5972	1191	5257	990	5257	990
32	14747	3771	13272	3344	11797	2917	10323	2490	8848	2063	7373	1636	5899	1209	5193	1005	5193	1005
33	14564	3827	13108	3394	11652	2960	10195	2527	8739	2094	7282	1661	5826	1227	5128	1020	5128	1020
34	14382	3884	12944	3444	11506	3004	10068	2565	8629	2125	7191	1685	5753	1245	5064	1035	5064	1035
35	14200	3940	12780	3494	11360	3048	9940	2602	8520	2156	7100	1710	5680	1264	5000	1050	5000	1050
36	14018	3996	12616	3544	11214	3092	9812	2639	8411	2187	7009	1734	5607	1282	4936	1065	4936	1065
37	13836	4053	12452	3594	11068	3135	9685	2676	8301	2218	6918	1759	5534	1300	4872	1080	4872	1080
38	13653	4109	12288	3644	10923	3179	9557	2714	8192	2248	6827	1783	5461	1318	4808	1095	4808	1095
39	13471	4166	12124	3694	10777	3223	9430	2751	8083	2279	6736	1808	5388	1336	4743	1110	4743	1110
40	13289	4222	11960	3744	10631	3266	9302	2788	7973	2310	6644	1832	5316	1354	4679	1125	4679	1125
41	13107	4279	11796	3794	10485	3310	9175	2826	7864	2341	6553	1857	5243	1372	4615	1140	4615	1140
42	12924	4335	11632	3844	10339	3354	9047	2863	7755	2372	6462	1881	5170	1390	4551	1155	4551	1155
43	12742	4392	11468	3895	10194	3397	8919	2900	7645	2403	6371	1906	5097	1409	4487	1170	4487	1170
44	12560	4448	11304	3945	10048	3441	8792	2937	7536	2434	6280	1930	5024	1427	4423	1185	4423	1185
45	12378	4505	11140	3995	9902	3485	8664	2975	7427	2465	6189	1955	4951	1445	4358	1201	4358	1201
46	12195	4561	10976	4045	9756	3528	8537	3012	7317	2496	6098	1979	4878	1463	4294	1216	4294	1216
47	12013	4618	10812	4095	9611	3572	8409	3049	7208	2527	6007	2004	4805	1481	4230	1231	4230	1231
48	11831	4674	10648	4145	9465	3616	8282	3087	7099	2557	5915	2028	4732	1499	4166	1246	4166	1246
49	10175	3791	9157	3362	8140	2933	7122	2503	6105	2074	5087	1645	4070	1216	3583	1010	3583	1010
50	9904	3791	8914	3362	7923	2933	6933	2503	5942	2074	4952	1645	3962	1216	3487	1010	3487	1010
51	9633	3791	8670	3362	7707	2933	6743	2503	5780	2074	4817	1645	3853	1216	3392	1010	3392	1010
52	8805	3436	7924	3047	7044	2658	6163	2269	5283	1880	4402	1491	3522	1102	3100	916	3100	916
53	8534	3436	7681	3047	6827	2658	5974	2269	5120	1880	4267	1491	3414	1102	3005	916	3005	916
54	8263	3436	7437	3047	6611	2658	5784	2269	4958	1880	4132	1491	3305	1102	2910	916	2910	916

2-2-6. Fan Static Characteristic

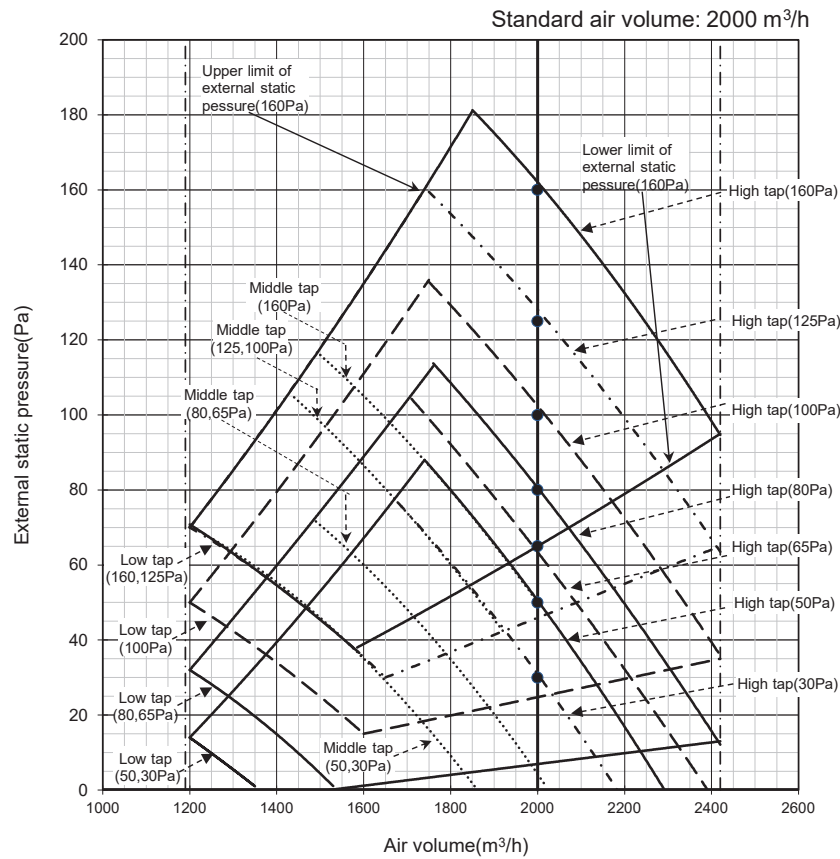
RAV-SH1801BP*



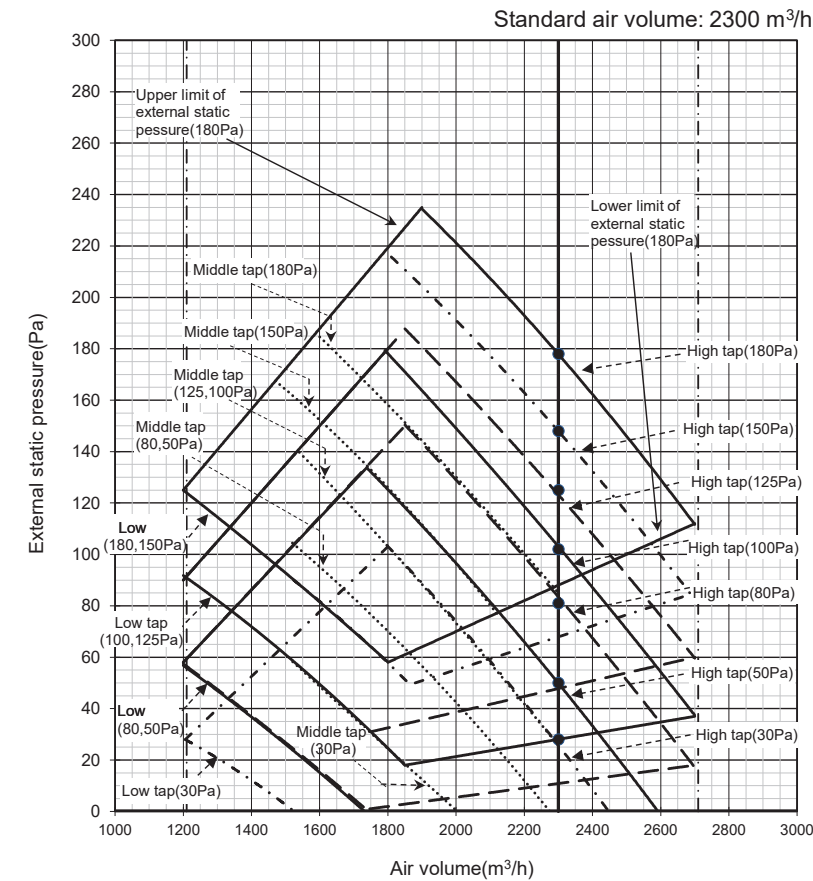
RAV-SH2401BP*



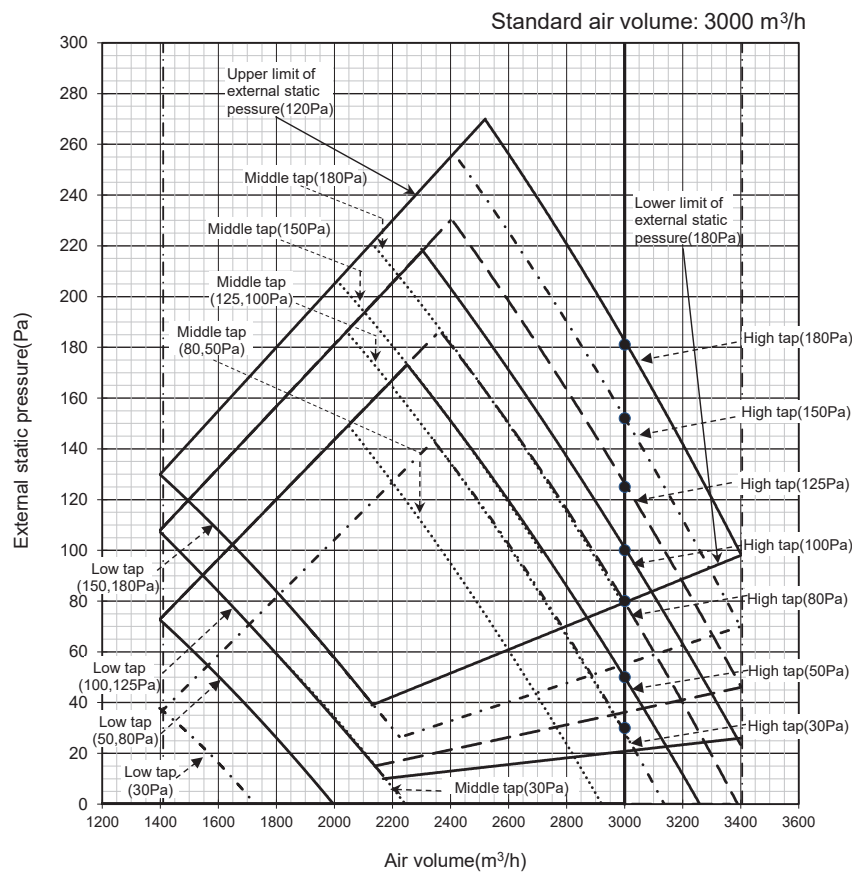
RAV-SH3001BP*



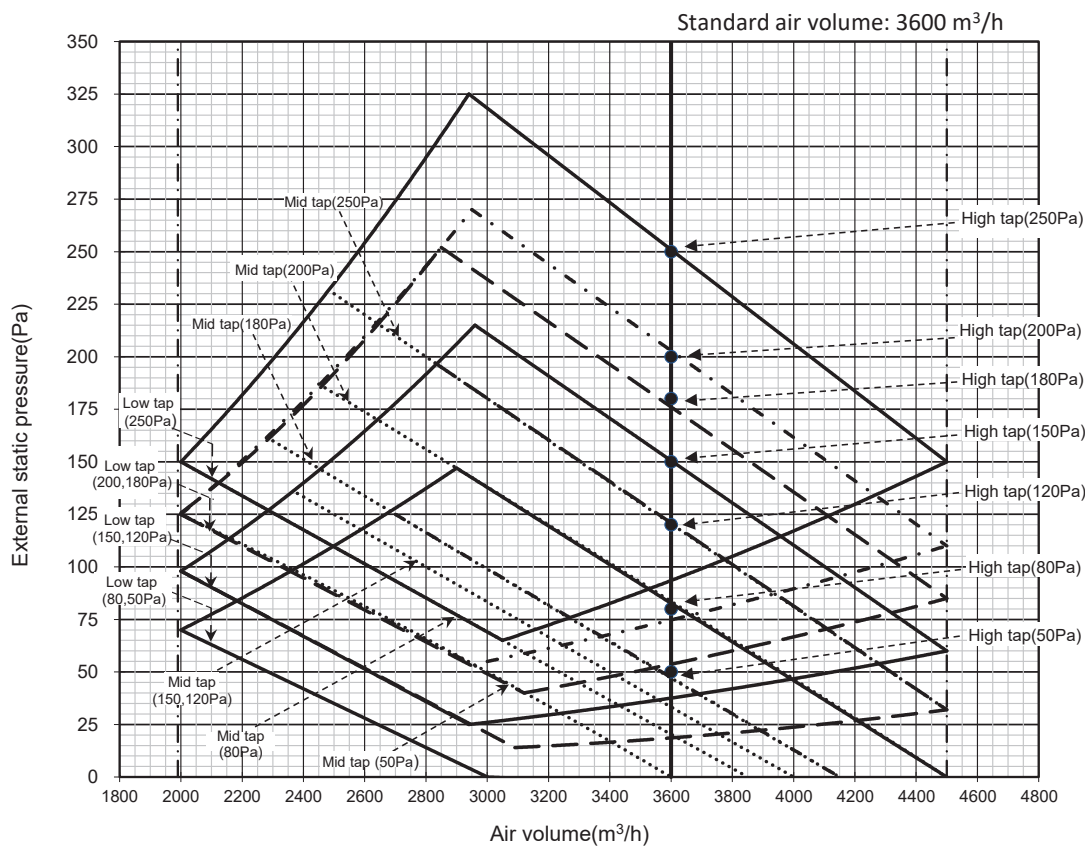
RAV-SH3601BP*



RAV-SH4801BP*



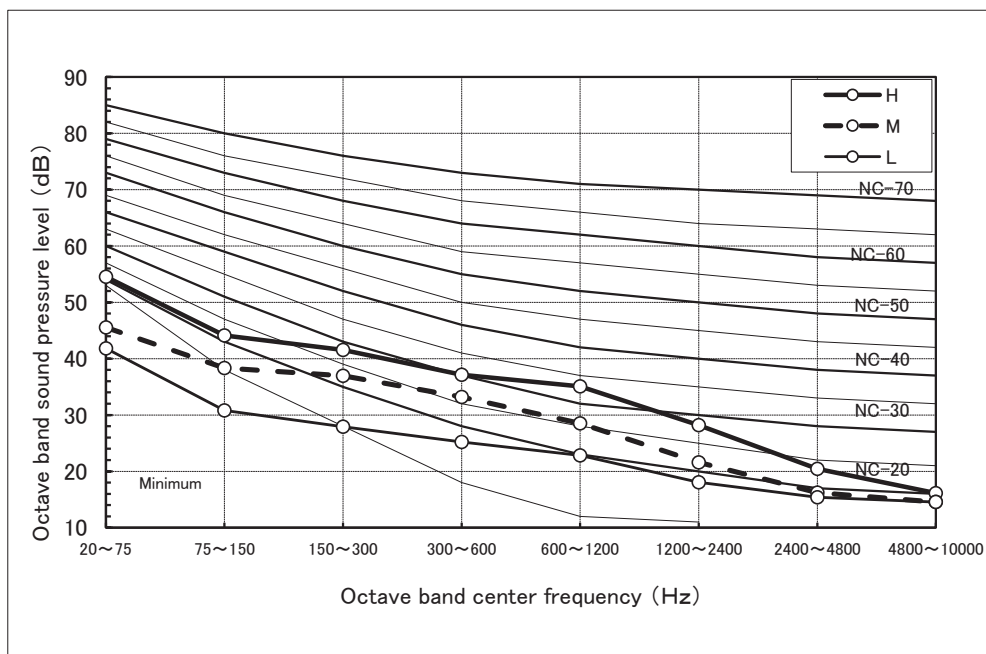
RAV-SH6001BP*



2-2-7. Sound characteristics (NC curve)

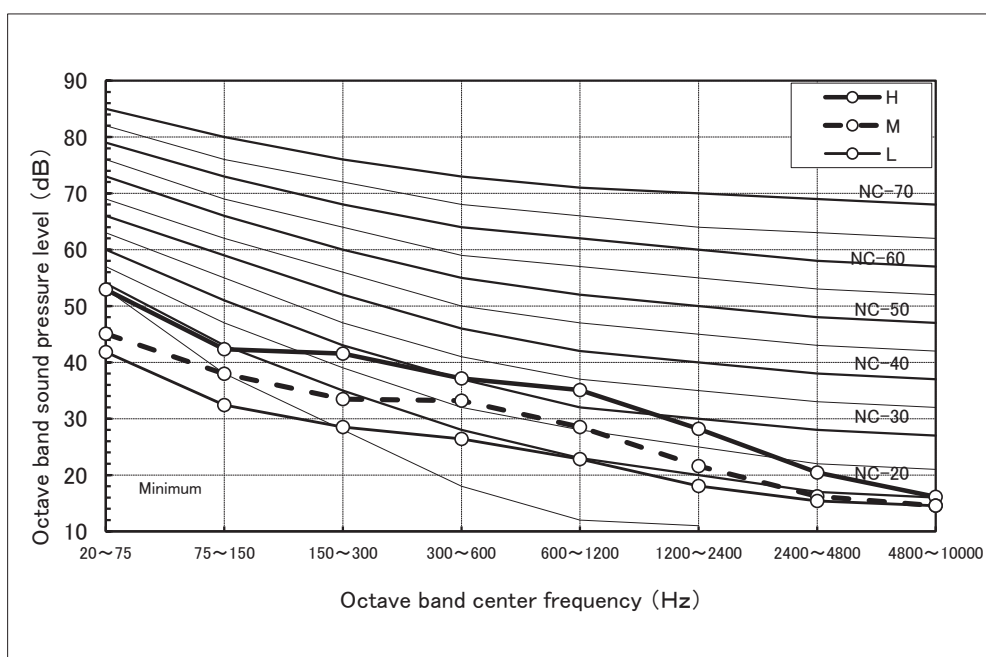
RAV-SH1801BP*

Specification (dB)			
Fan tap	H	M	L
Sound pressure level (dB(A))	41	38	33



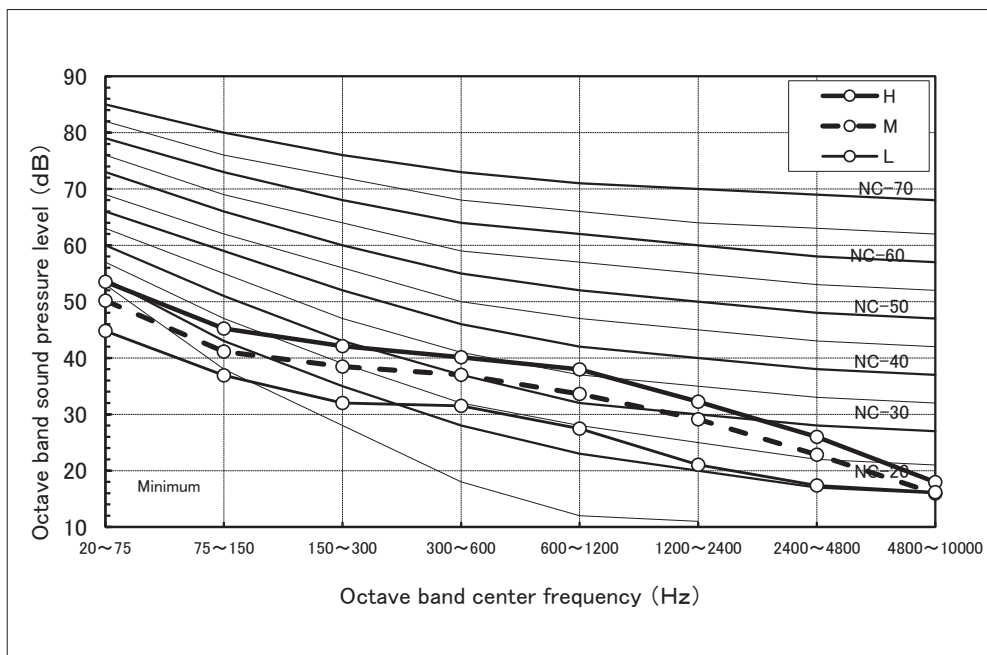
RAV-SH2401BP*

Specification (dB)			
Fan tap	H	M	L
Sound pressure level (dB(A))	41	39	36



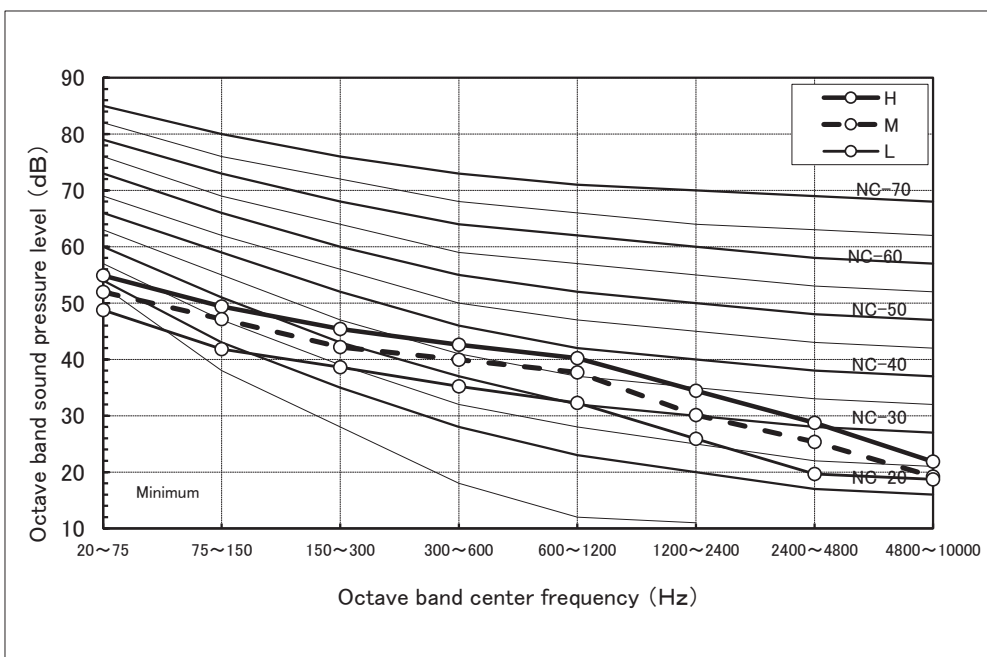
RAV-SH3001BP*

Specification (dB)			
Fan tap	H	M	L
Sound pressure level (dB(A))	42	41	38



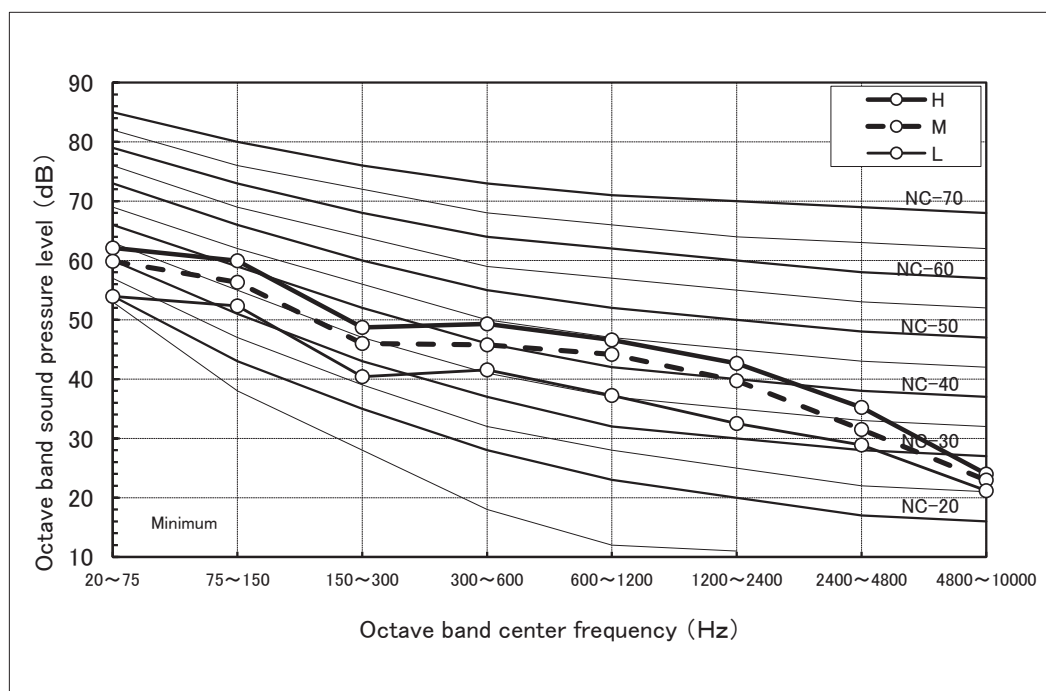
RAV-SH3601BP*

Specification (dB)			
Fan tap	H	M	L
Sound pressure level (dB(A))	44	43	39



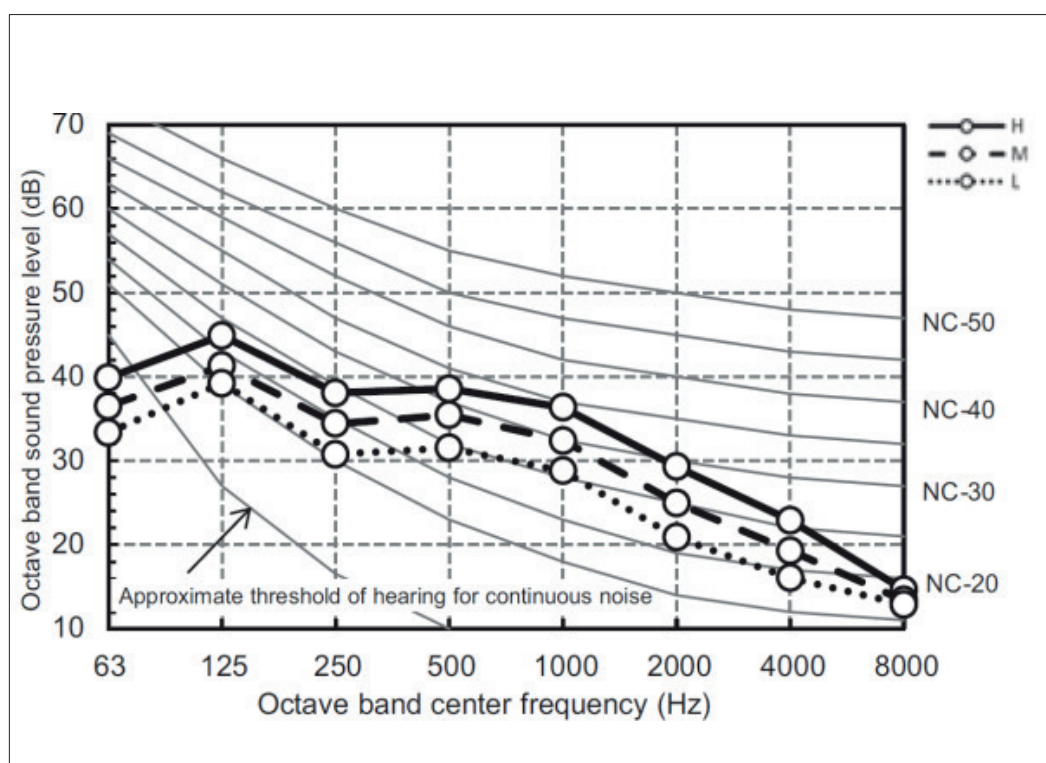
RAV-SH4801BP*

Specification (dB)			
Fan tap	H	M	L
Sound pressure level (dB(A))	53	50	41



RAV-SH6001BP*

Specification (dB)			
Fan tap	H	M	L
Sound pressure level (dB(A))	44	40	36



3. Outdoor Unit

3-1. Specifications

3-2. Dimension

3-3. Wiring Diagrams

3-4. Refrigerant Cycle Diagram

3-5. Sound Characteristic

3-6. Connecting Pipe Length and Lift Difference Between Indoor Units VS. Capacity Correction Value

3-1 Specification

Model name	Outdoor unit		RAV-SH1801AP* RAV-SHU1801AP* RAV-SHB1801AP*	RAV-SH2401AP* RAV-SHU2401AP* RAV-SHB2401AP*
Power supply			1 phase 220-240V, 50Hz 1 phase 220-230V, 60Hz (Power exclusive to outdoor unit is required.)	
Compressor	Type		Rotary DC compressor	
	Motor (kW)		1.1	1.5
	Pole		4	6
Refrigerant charged (kg)			1.62	2.10
Inter connecting pipe	Standard length (m)		7.5	7.5
	Min. length (m)		5	5
	Max. total length (m)		35	35
	Additional refrigerant charge under long piping connector		20g/m (21m to 35m)	40g/m (21m to 35m)
	Height difference	Outdoor lower (m)	25	25
		Outdoor higher (m)	25	25
Outer dimension	Height (mm)		550	630
	Width (mm)		780	800
	Depth (mm)		290	300
Appearance			Silky shade (Muncel 1Y8.5/0.5)	
Total weight (kg)			41	46
Heat exchanger			Finned tube	
Fan unit	Fan		Propeller fan	
	Standard air flow high (m³/h)		2200	2900
	Motor (W)		70	70
Connecting pipe	Gas side (mm)		12.7	15.9
	Liquid side (mm)		6.4	9.5
Sound pressure level Cooling/Heating (dB·A)			47	52
Sound power level Cooling/Heating (dB·A)			62	67
Outside dry bulb air temperature		Cooling °C	21 to 54	
		Heating °C	-	

*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 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

*2 : 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

Model name	Outdoor unit	RAV-SH3001AP* RAV-SHU3001AP* RAV-SHB3001AP*	RAV-SH3601A(8)P* RAV-SHU3601AP* RAV-SHB3601AP*
Power supply		1 phase 220-240V, 50Hz 1 phase 220-230V, 60Hz (Power exclusive to outdoor is required.)	
Compressor	Type	Hermetic compressor	
	Motor (kW)	3.0	3.75
	Pole	4	4
Refrigerant charged (kg)		2.7	2.8
Refrigerant control		Pulse motor valve	
Inter connecting pipe	Standard length (m)	7.5	7.5
	Min. length (m)	5	5
	Max. total length (m)	35	35
	Additional refrigerant charge under long piping connector		40g/m (21m to 35m)
	Height difference	Outdoor lower (m)	25
		Outdoor higher (m)	25
Outer dimension	Height (mm)	890	890
	Width (mm)	900	900
	Depth (mm)	320	320
Appearance		Silky shade (Muncel 1Y8.5/0.5)	
Total weight (kg)		69	71
Heat exchanger		Finned tube	
Fan unit	Fan	Propeller fan	
	Standard air flow high (m ³ /h)	4080	4200
	Motor (W)	100	100
Connecting pipe	Gas side (mm)	15.9	15.9
	Liquid side (mm)	9.5	9.5
Sound pressure level Cooling/Heating (dB·A)		54	57
Sound power level Cooling/Heating (dB·A)		69	72
Outside air temperature, Cooling °C (Dry bulb temp.)		21 to 54	

*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 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

*2 : 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

Model name	Outdoor unit		RAV-SH4801A8P* RAV-SHU4801A8P* RAV-SHB4801A8P*
Power supply			3 phase 380-415V 50Hz 3 phase 380-400V 60Hz (Power exclusive to outdoor is required.)
Compressor	Type		Hermetic compressor
	Motor	(kW)	3.75
	Pole		4
Refrigerant charged		(kg)	3.7
Refrigerant control			Pulse motor valve
Inter connecting pipe	Standard length		(m) 7.5
	Max. total length		(m) 50
	Additional refrigerant charge under long piping connector		40g/m (30m to 50m)
	Height difference	Outdoor lower	(m) 30
		Outdoor higher	(m) 30
Outer dimension	Height		(mm) 1340
	Width		(mm) 990
	Depth		(mm) 320
Appearance			Silky shade (Muncel 1Y8.5/0.5)
Total weight		(kg)	102
Heat exchanger			Finned tube
Fan unit	Fan		Propeller fan
	Standard air flow high	(m³/h)	8600
	Motor	(W)	100
Connecting pipe	Gas side	(mm)	15.9
	Liquid side	(mm)	9.52
Sound pressure level		(dB·A)	63
Sound power level		(dB·A)	80
Outside air temperature, Cooling		(°C)	21 to 54

*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 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

*2 : 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

Model name	Outdoor unit	RAV-SH6001A8P* RAV-SHB6001A8P*
Power supply		3 phase 380-415V 50Hz 3 phase 380-400V 60Hz (Power exclusive to outdoor is required.)
Compressor	Type	Hermetic compressor
	Motor (kW)	3.75
	Pole	4
Refrigerant charged	(kg)	3.9
Refrigerant control		Pulse motor valve
Inter connecting pipe	Standard length (m)	7.5
	Max. total length (m)	50
	Additional refrigerant charge under long piping connector	40g/m (31m to 50m)
	Height difference	Outdoor lower (m) 30
		Outdoor higher (m) 30
Outer dimension	Height (mm)	1340
	Width (mm)	990
	Depth (mm)	320
Appearance		Silky shade (Muncel 1Y8.5/0.5)
Total weight	(kg)	103
Heat exchanger		Finned tube
Fan unit	Fan	Propeller fan
	Standard air flow high (m³/h)	8600
	Motor (W)	100 + 100
Connecting pipe	Gas side (mm)	19.1
	Liquid side (mm)	9.52
Sound pressure level	(dB·A)	63
Sound power level	(dB·A)	80
Outside air temperature, Cooling	(°C)	21 to 54

*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 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

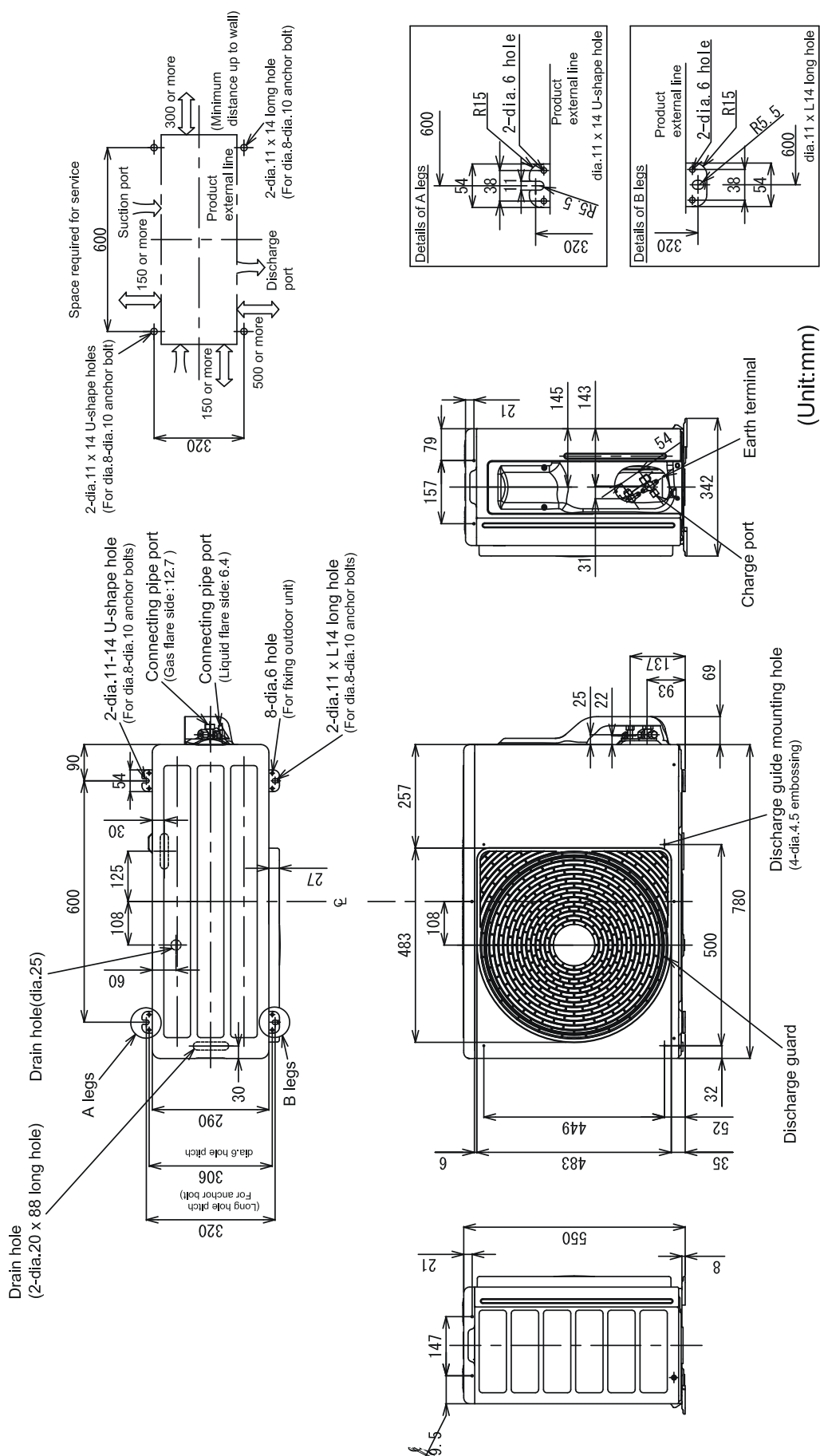
*2 : The sound level are measured in an anechoic chamber in accordance with JIS B 8616. Normally, the values measured in the actual operating environment become larger than the indicated values due to the effects of external sound.

Note :

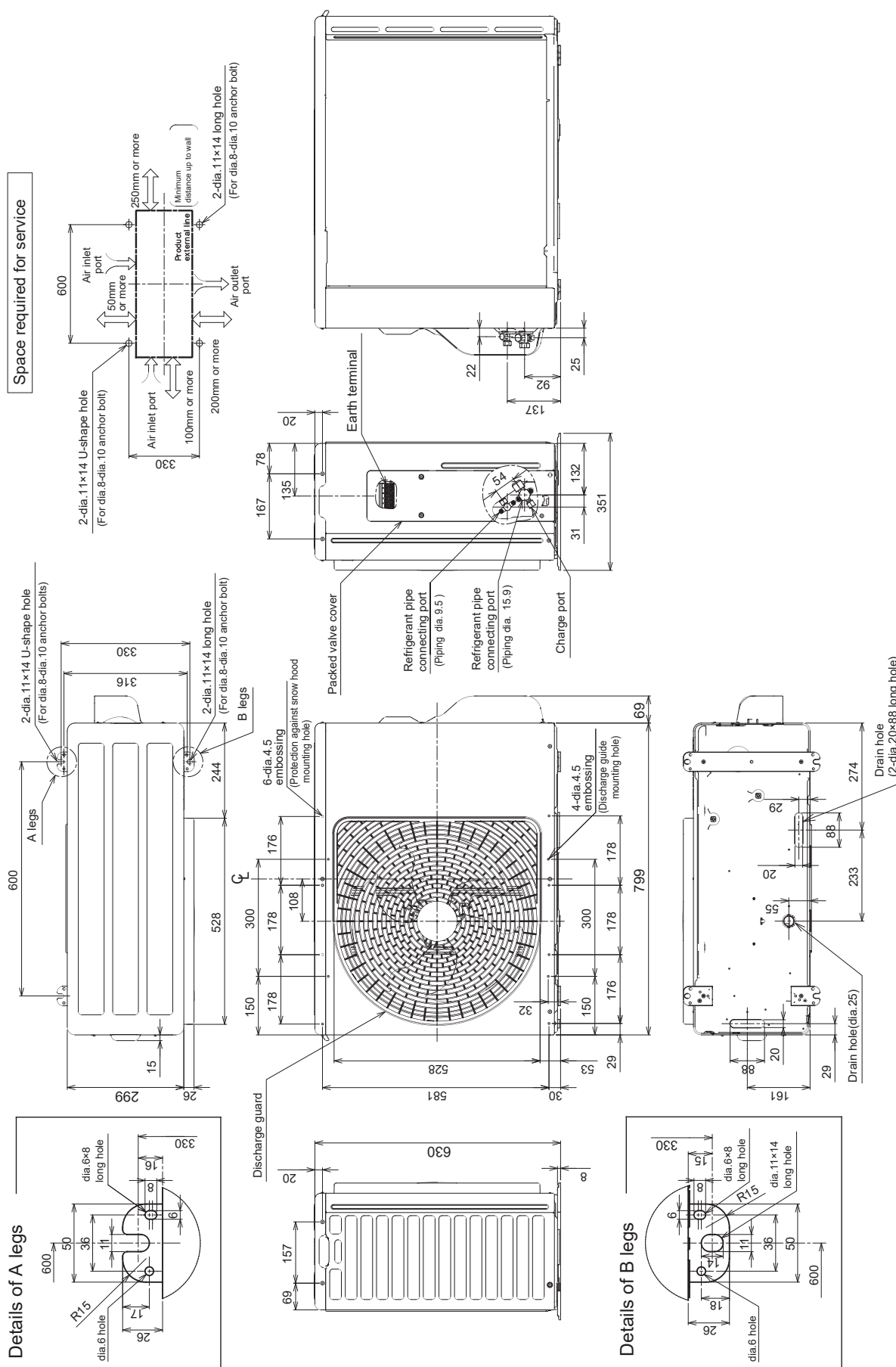
Rated conditions Cooling : Indoor air temperature 27°C DB/19°C WB, Outdoor air temperature 35°C DB

3-2. Dimension

RAV-SH1801AP* / RAV-SHU1801AP* / RAV-SHB1801AP*



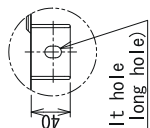
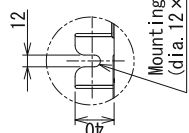
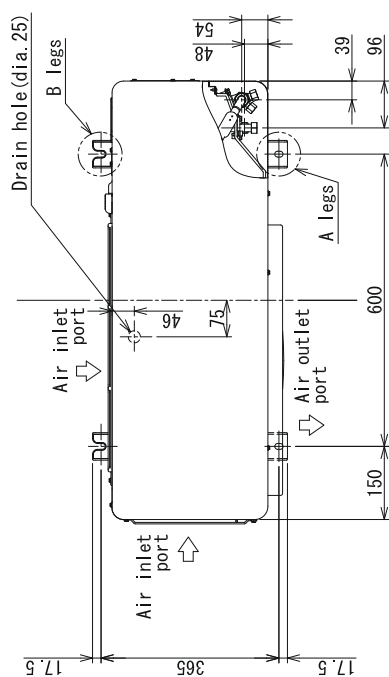
RAV-SH2401AP* / RAV-SHU2401AP* / RAV-SHB2401AP*



RAV-SH3001AP* / RAV-SHU3001AP* / RAV-SHB3001AP*

RAV-SH3601AP* / RAV-SHU3601AP* / RAV-SHB3601AP*

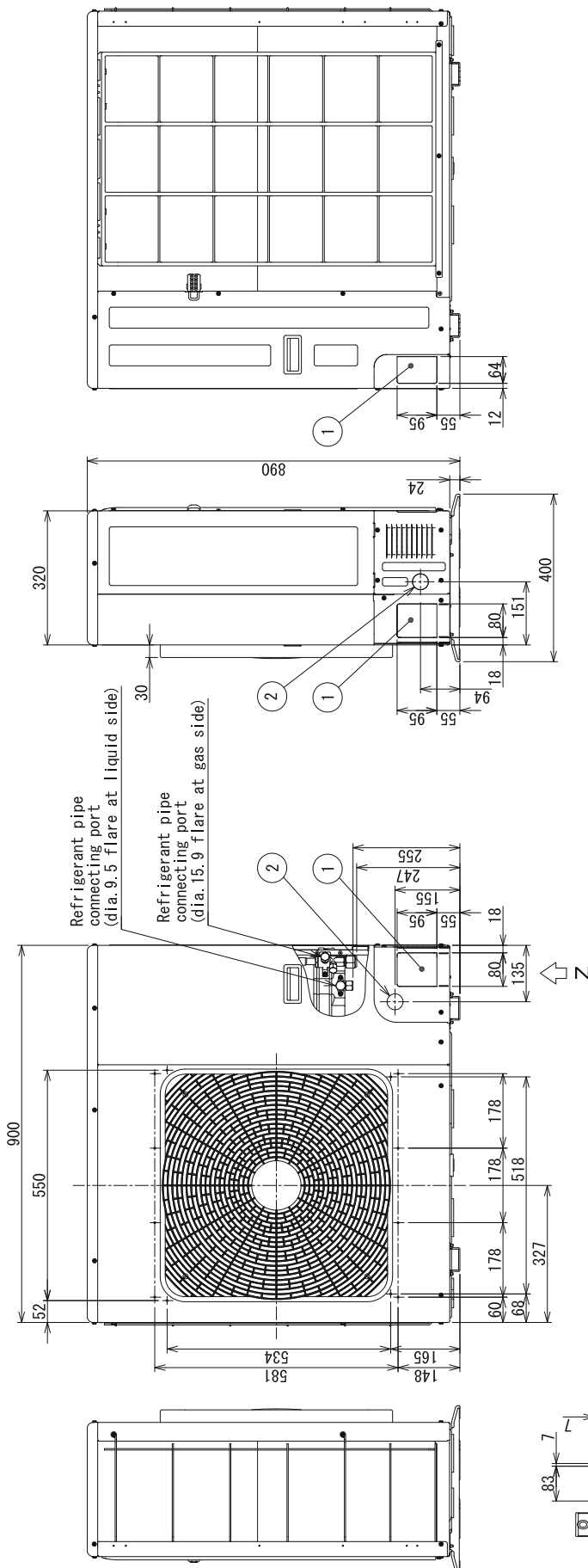
	Name	Note
①	Refrigerant piping hole Indoor/Outdoor Unit connecting wire inlet hole	—
②	Power supply inlet hole	dia. 38 Knockout hole



Mounting bolt hole
(dia. 12 x 17 long hole)

Details of B legs

Details of A legs



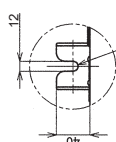
Knockout for downward piping

Z views

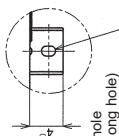
(Unit:mm)

RAV-SH4801A8P* / RAV-SHU4801A8P* / RAV-SHB4801A8P*

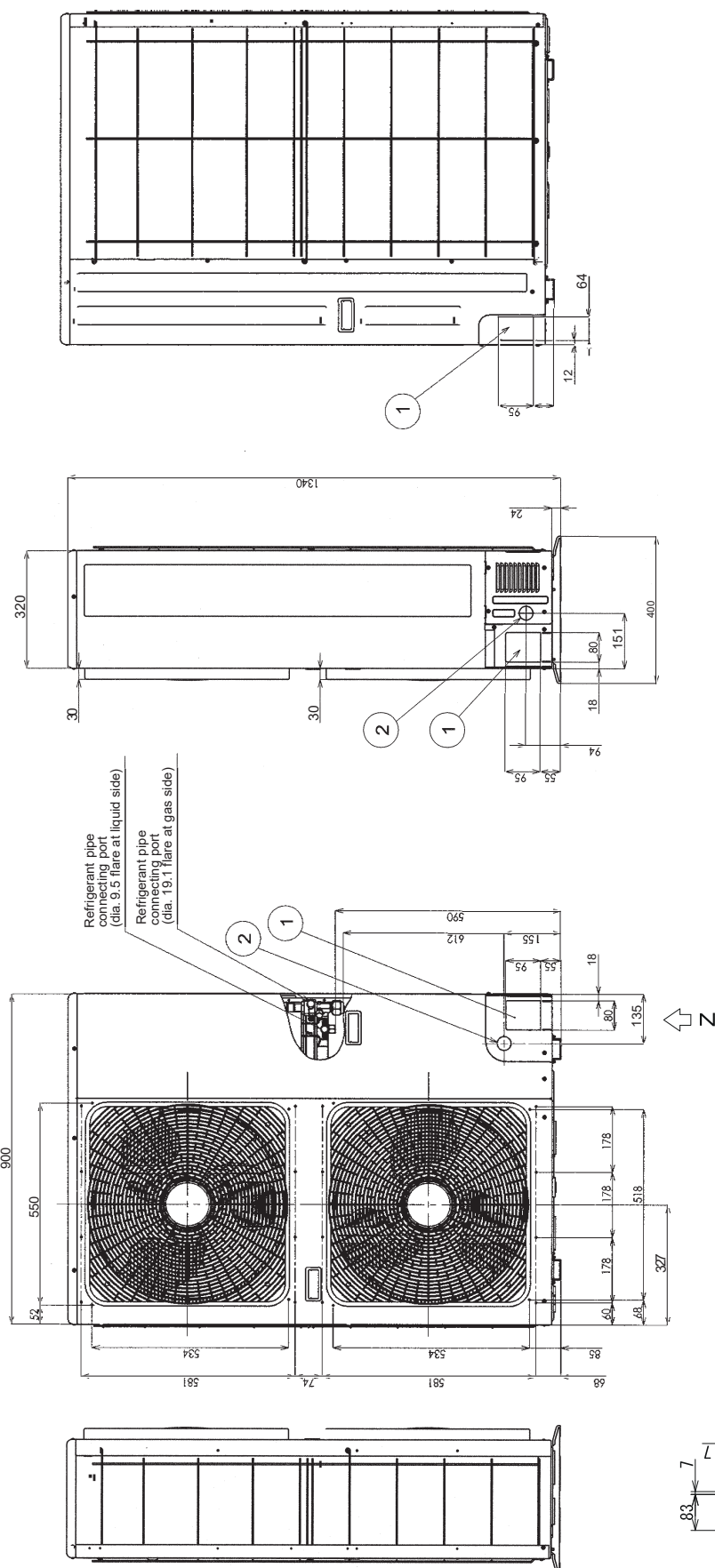
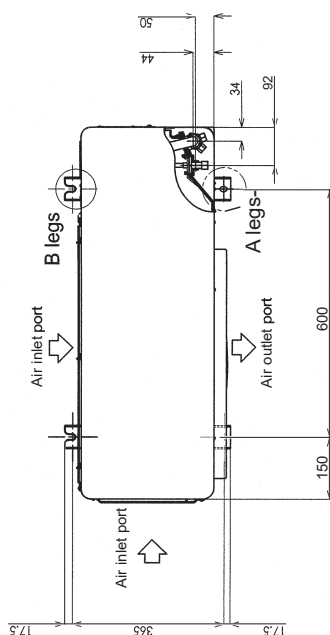
	Name	Note
①	Refrigerant piping hole Indoor/Outdoor Unit connecting wire inlet hole	ø 6
②	Power supply inlet hole	dia. 38 Knockout hole



Mouting bolt hole
dia. 12 x 17 U-shape hole).



Mouting bolt hole
(dia. 12 x 17 long hole)
Details of A legs

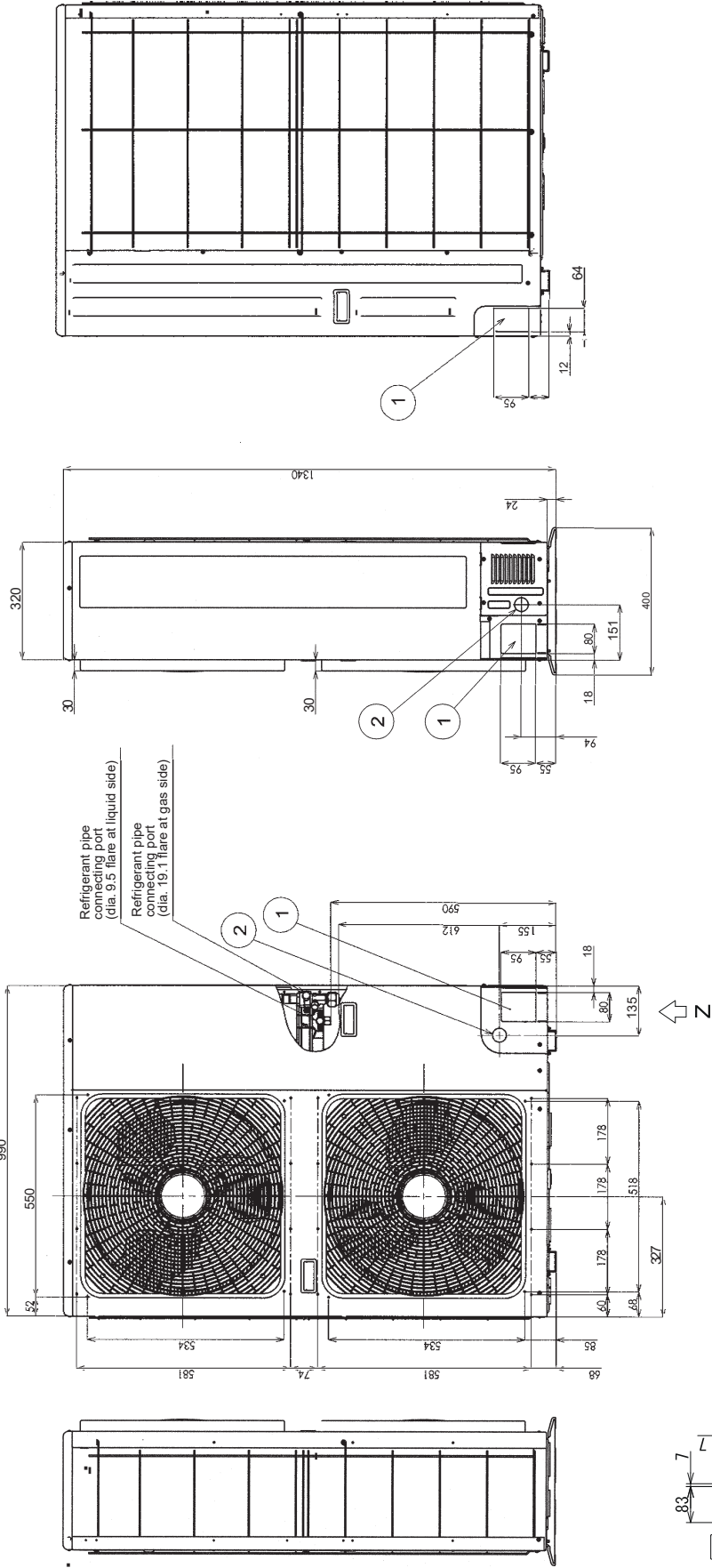
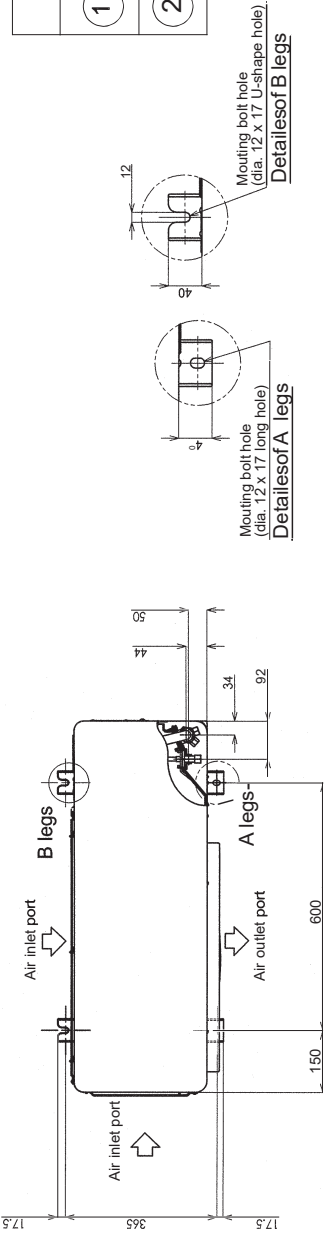


Knockout for downward piping

Z views

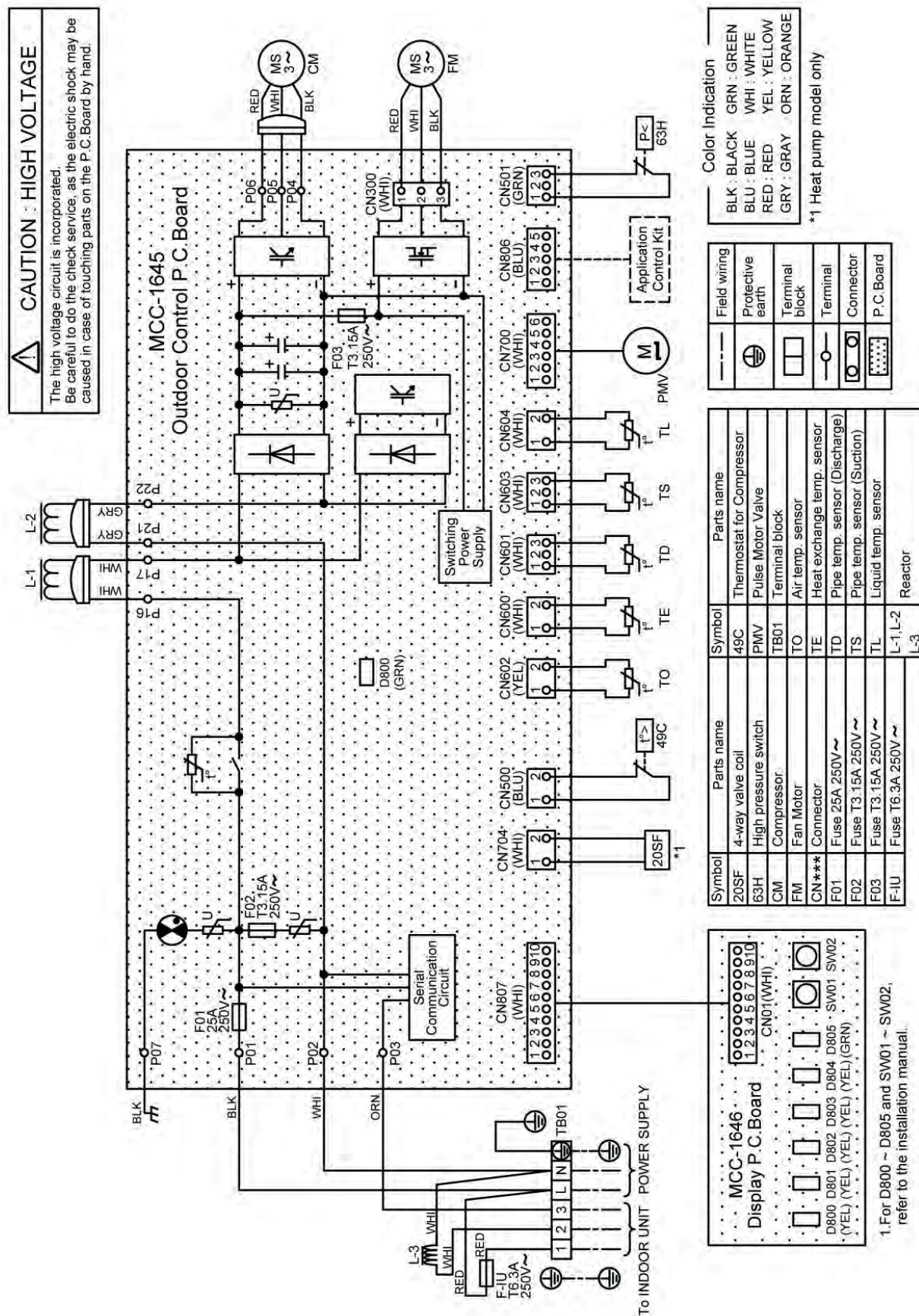
RAV-SH6001A8P* / RAV-SHB6001A8P*

	Name	Note
1	Refrigerant piping hole Indoor/Outdoor Unit connecting wire inlet hole	---
2	Power supply inlet hole	dia.38 Knockout hole

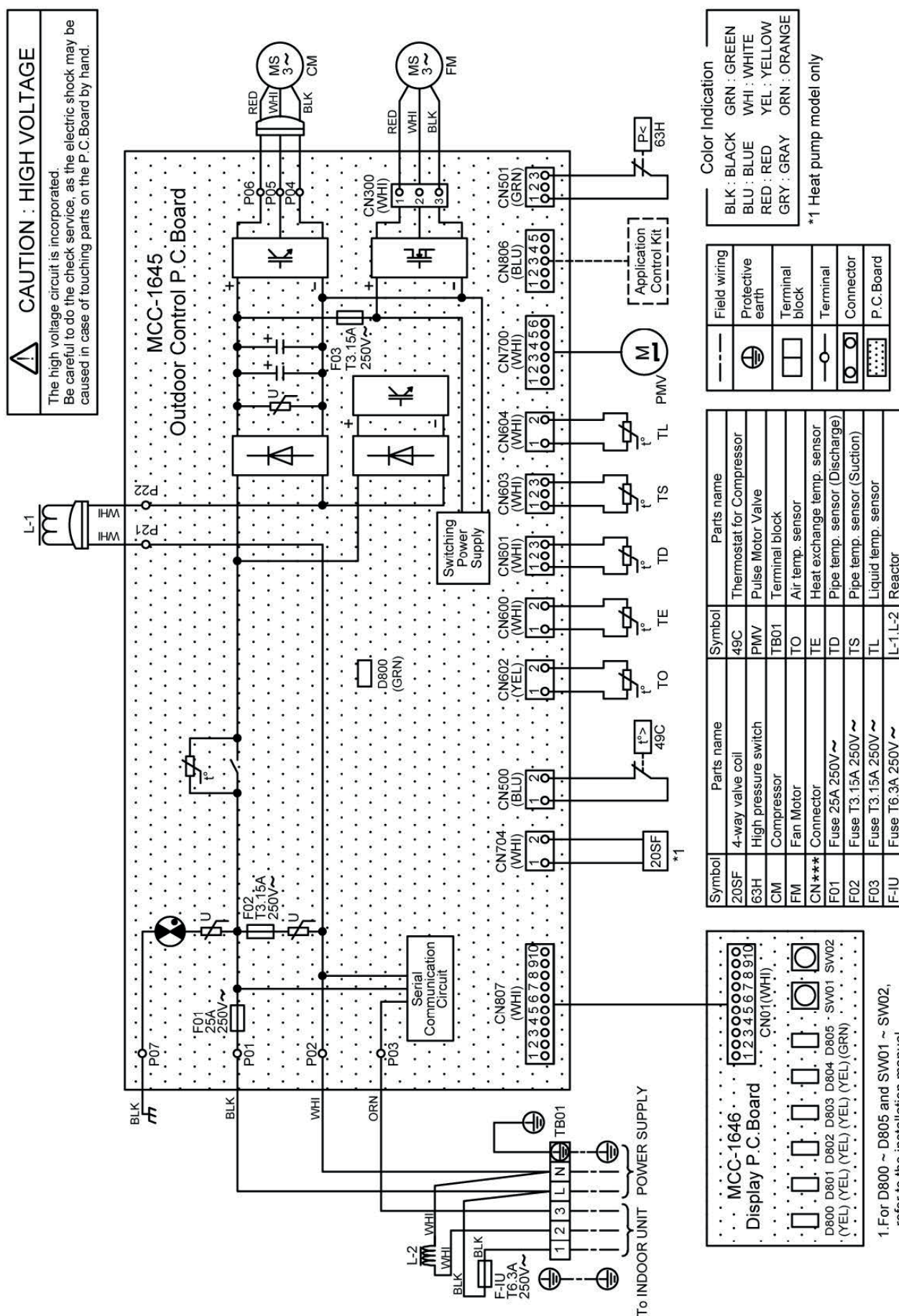


3-3. Wiring diagrams

RAV-SH1801AP* / RAV-SHU1801AP* / RAV-SHB1801AP*

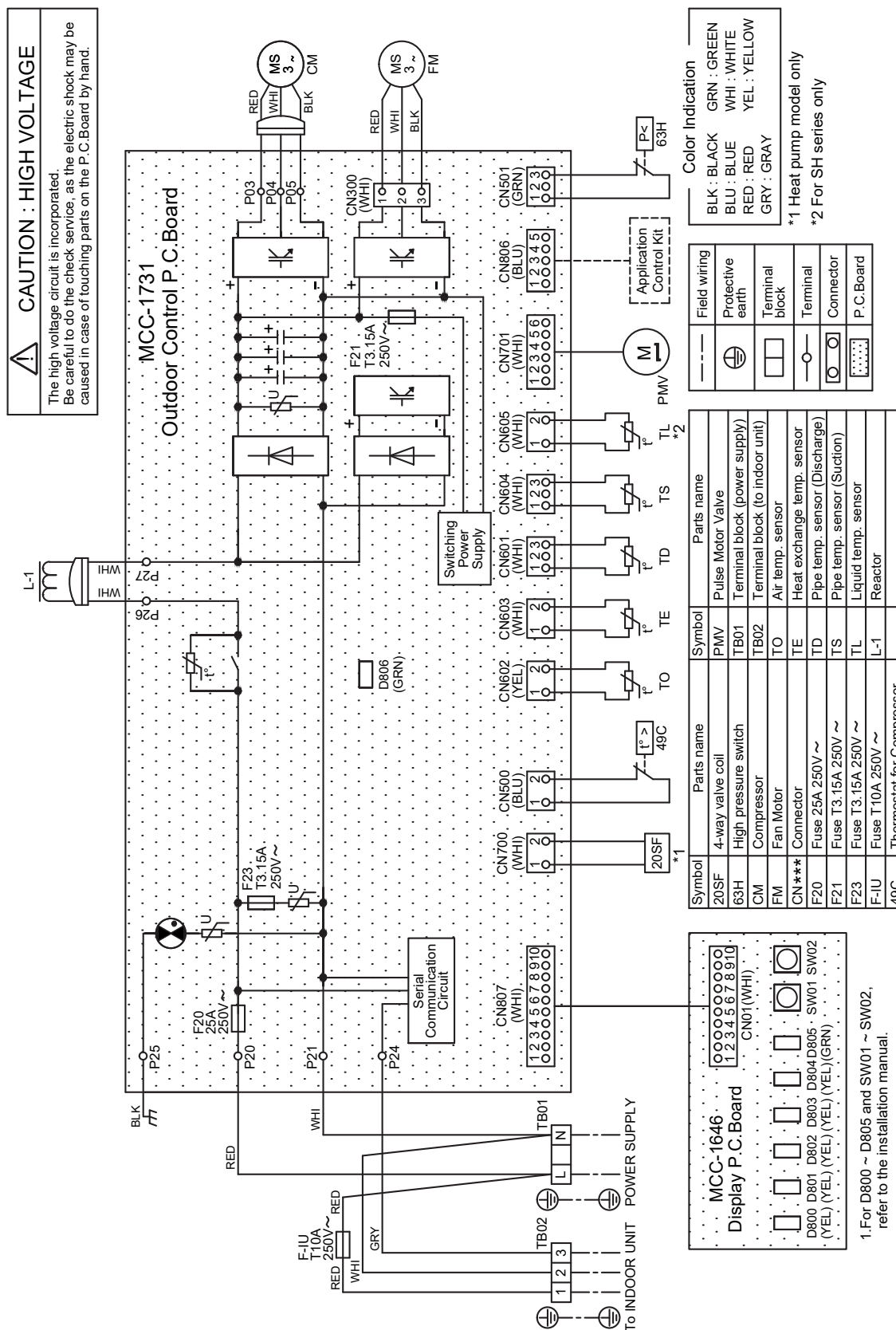


RAV-SH2401AP* / RAV-SHU2401AP* / RAV-SHB2401AP*



RAV-SH3001AP* / RAV-SHU3001AP* / RAV-SHB3001AP*

RAV-SH3601AP* / RAV-SHU3601AP* / RAV-SHB3601AP*

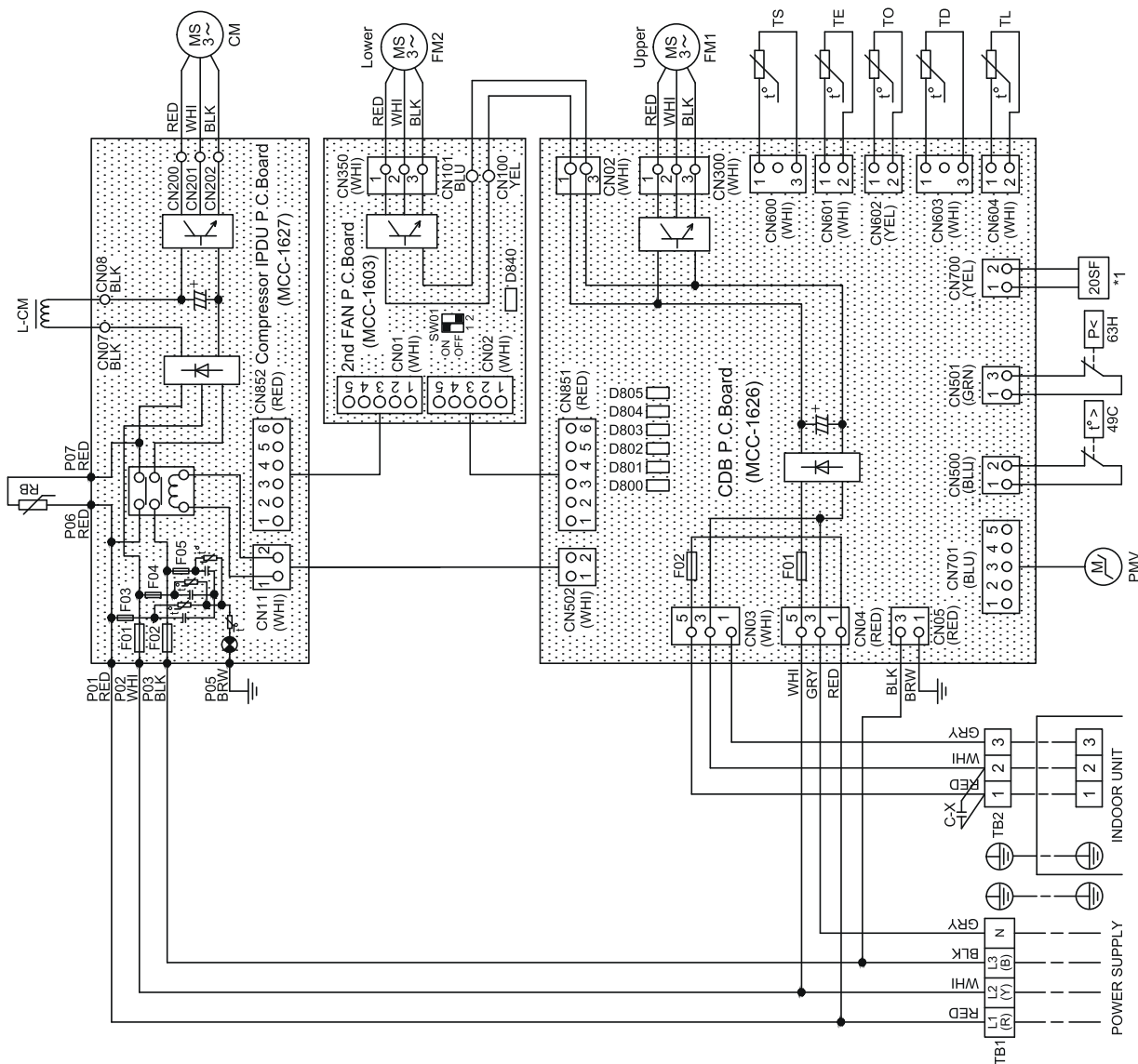
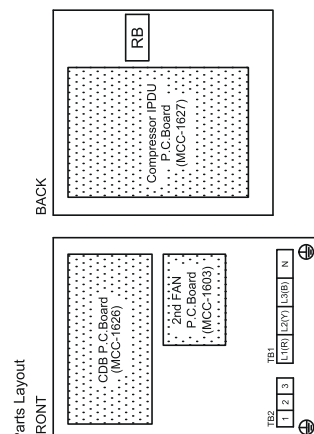


RAV-SH4801A8P* / RAV-SHU4801A8P* / RAV-SHB4801A8P*

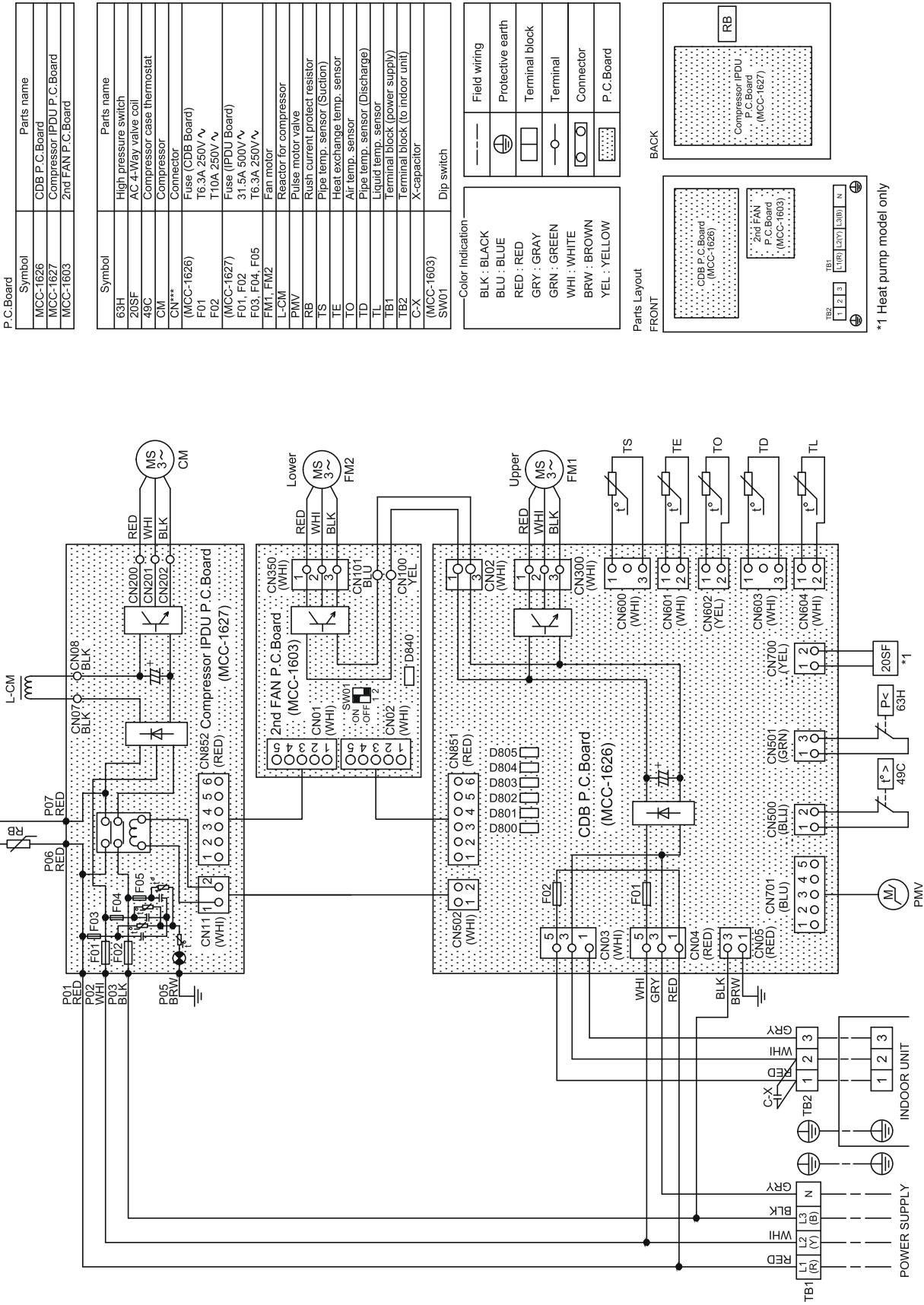
P.C.Board	Symbol	Parts name
MCC-1626		CDB P.C.Board
MCC-1627		Compressor IPDU P.C.Board
MCC-1603		2nd FAN P.C.Board

Symbol	Parts name
63H	High pressure switch
20SF	AC 4-Way valve coil
49C	Compressor case thermostat
CM	Compressor
CN**	Connector
(MCC-1626)	Fuse (CDB Board)
F01	T6.3A 250V Λ
F02	T10A 250V Λ
(MCC-1627)	Fuse (IPDU Board)
F01, F02	31.5A 500V Λ
F03, F04, F05	T6.3A 250V Λ
FM1, FM2	Fan motor
L-CM	Reactor for compressor
PMV	Pulse motor valve
RB	Rush current protect resistor
TS	Pipe temp. sensor (Suction)
TE	Heat exchange temp. sensor
TO	Air temp. sensor
TD	Pipe temp. sensor (Discharge)
TL	Liquid temp. sensor
TB1	Terminal block (power supply)
TB2	Terminal block (to indoor unit)
C-X	X-capacitor
(MCC-1603)	Dip switch
SW01	

Color Indication	Field wiring
BLK : BLACK	Protective earth
BLU : BLUE	Terminal block
RED : RED	Terminal
GRY : GRAY	Connector
GRN : GREEN	P.C.Board
WHI : WHITE	
BRW : BROWN	
YEL : YELLOW	



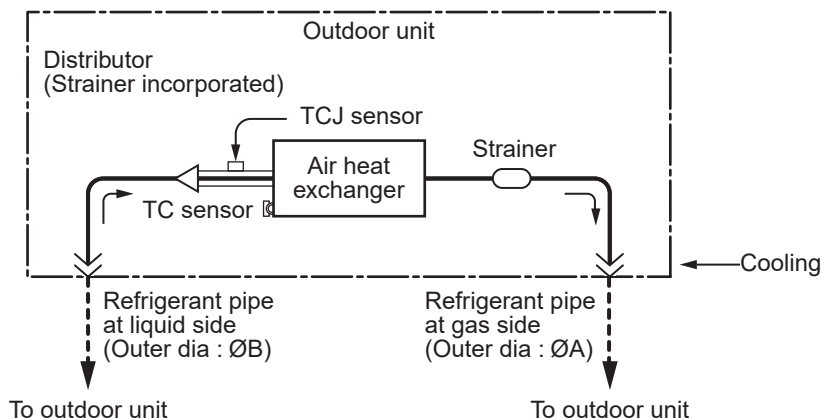
RAV-SH6001A8P* / RAV-SHB6001A8P*



3-4. Refrigerant cycle diagram

3-4-1. Indoor Unit

- Single type (combination of 1 indoor unit and 1 outdoor unit)

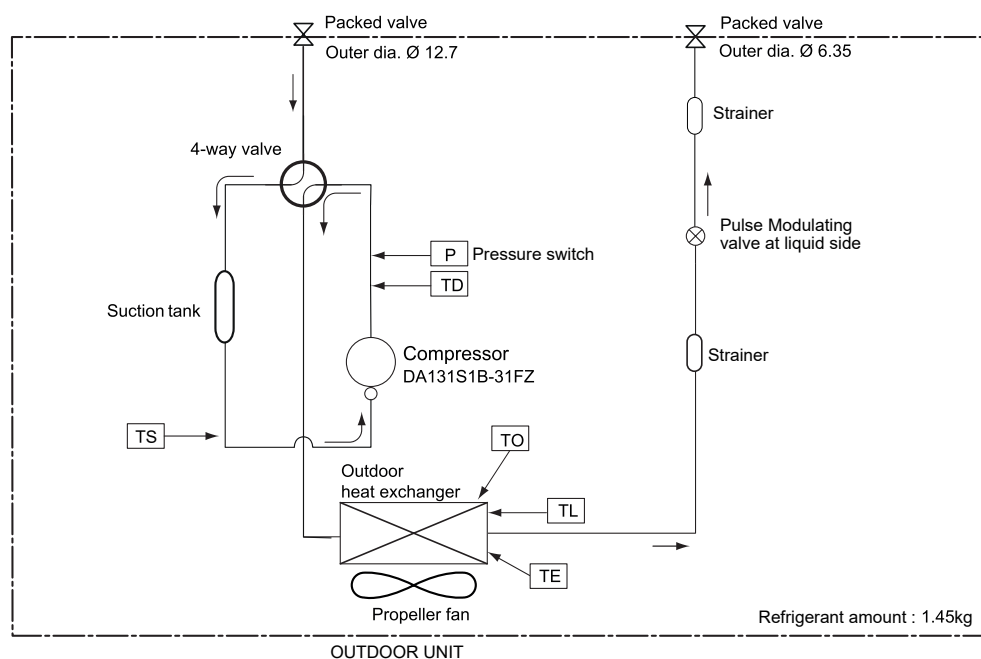


Dimension table

Indoor unit	Outer diameter of refrigerant pipe	
	Gas side ØA	Liquid side ØB
RAV-SH1801*	12.7	6.4
RAV-SH240* / SH300* / SH360* / SH480*	15.9	9.5

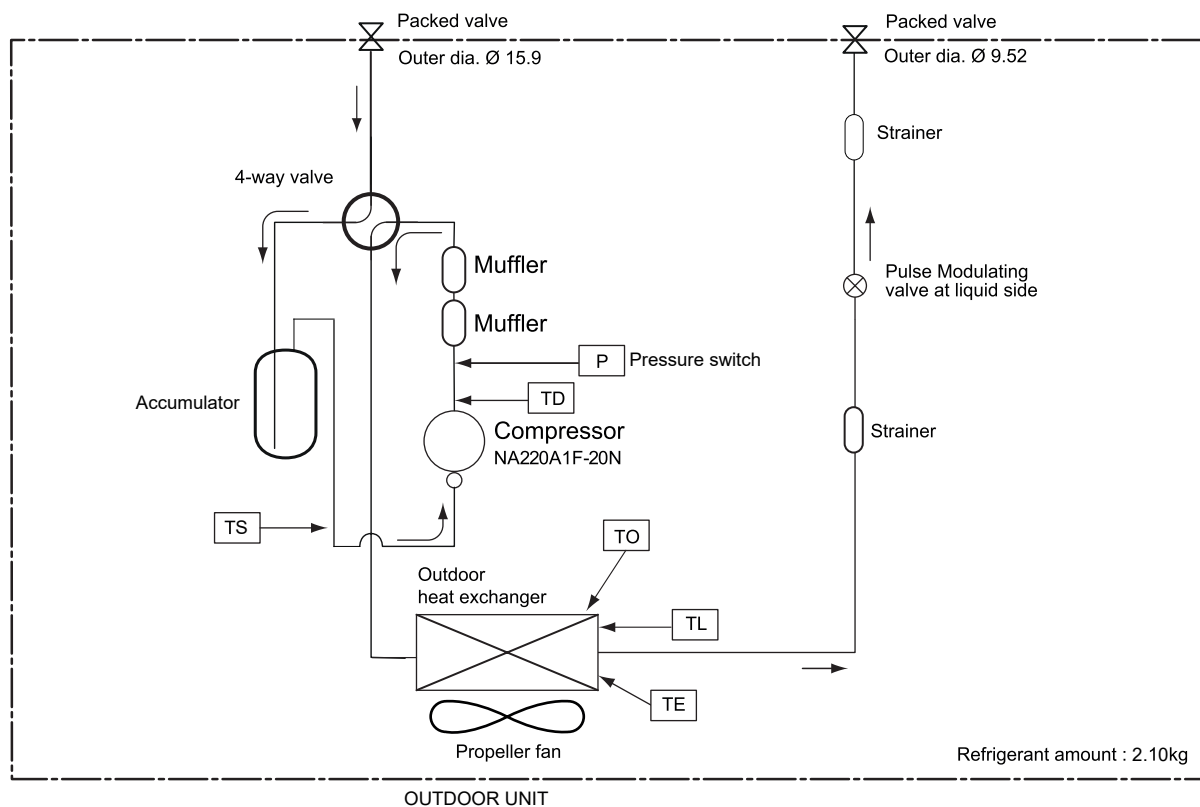
3-4-2. Outdoor Unit

RAV-SH1801AP* / RAV-SHU1801AP* / RAV-SHB1801AP*



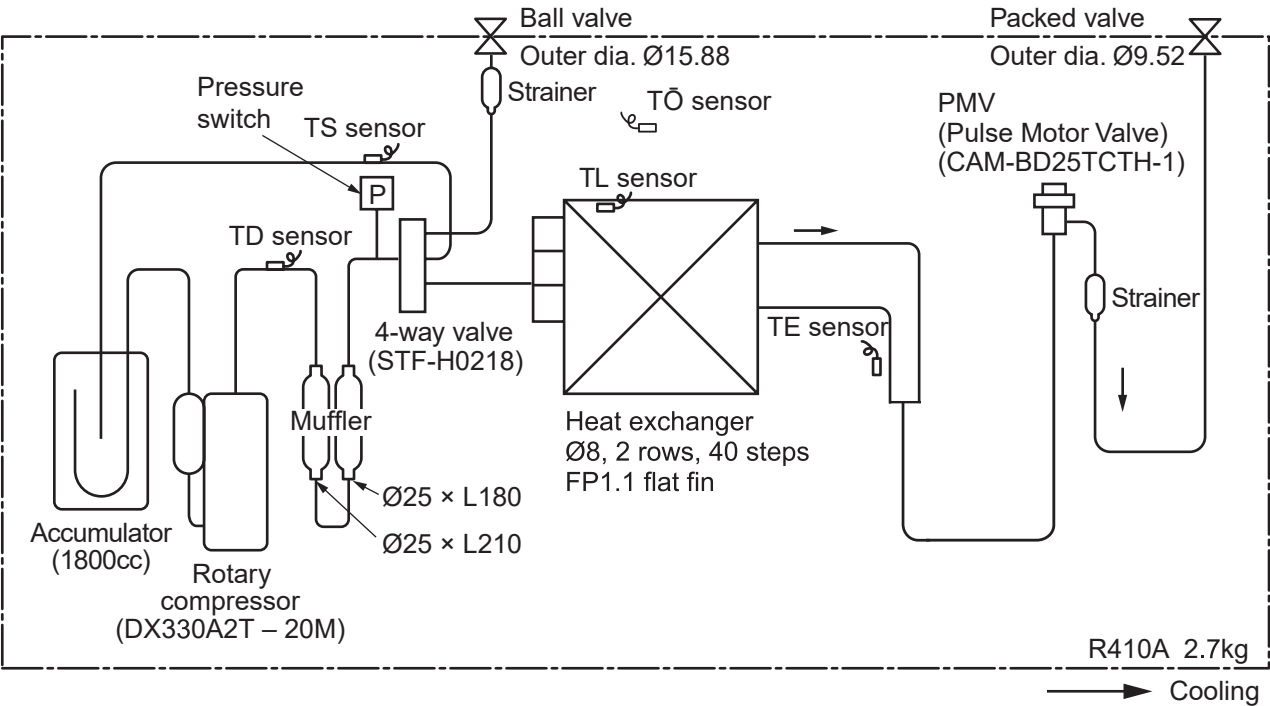
		Pressure				Pipe surface temperature (°C)				Compressor revolutions per second (rps)	Indoor fan	Indoor/Outdoor temp. conditions (DB/WB) (°C)	
		(MPa)		(kg/cm²G)		Discharge (TD)	Suction (TS)	Indoor heat exchanger (TC)	Outdoor heat exchanger (TE)			Indoor	Outdoor
		Pd	Ps	Pd	Ps								
Cooling	Standard	3.13	1.04	31.9	10.6	78	14	13	36	68	HIGH	27/19	35/-
	Overload	3.84	1.48	39.1	15.1	77	25	24	59	35	HIGH	32/23	46/-
	Low load	2.28	0.73	23.3	7.5	64	7	5	22	68	LOW	18/15.5	-5/-
Heating	Standard	2.60	0.62	26.5	6.4	72	4	38	3	78	HIGH	20/-	7/6
	Overload	3.22	1.02	32.8	10.4	80	17	51	15	47	LOW	28/-	24/18
	Low load	1.21	0.32	12.3	3.2	73	-15	32	0	80	HIGH	15/-	-10/(70%)

RAV-SH2401AP* / RAV-SHU2401AP* / RAV-SHB2401AP*



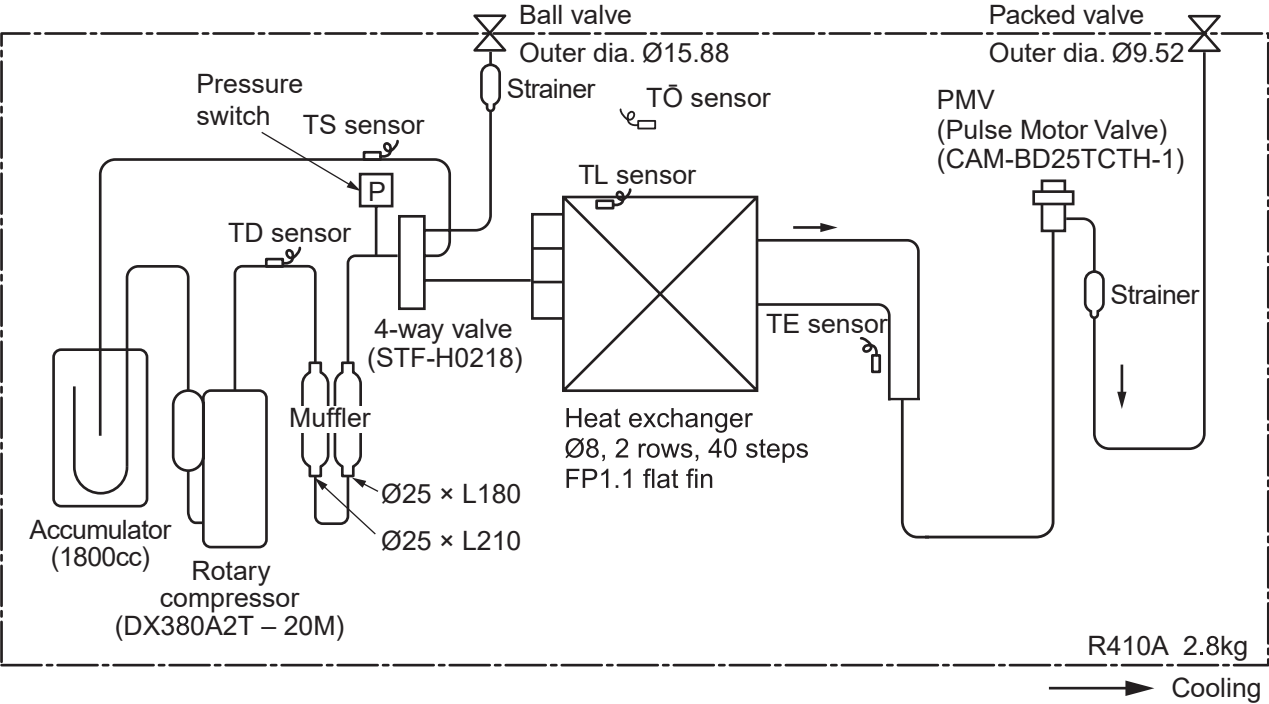
		Pressure				Pipe surface temperature (°C)				Compressor revolutions per second (rps)	Indoor fan	Indoor/Outdoor temp. conditions (DB/WB) (°C)	
		(MPa)		(kg/cm²G)		Discharge (TD)	Suction (TS)	Indoor heat exchanger (TC)	Outdoor heat exchanger (TE)			Indoor	Outdoor
		Pd	Ps	Pd	Ps								
Cooling	Standard	3.04	0.97	31.0	9.9	75	13	12	37	58	HIGH	27/19	35/-
	Overload	3.61	1.67	36.8	17.0	69	28	27	57	26	HIGH	32/23	46/-
	Low load	2.13	0.89	21.8	9.1	44	11	9	32	50	Low	18/15.5	-5/-
Heating	Standard	2.55	0.64	26.0	6.5	75	2	43	2	66	HIGH	20/-	7/6
	Overload	3.26	0.96	33.2	9.7	85	10	53	11	40	Low	28/-	24/18
	Low load	1.86	0.33	19.0	3.3	68	-16	30	-14	81	HIGH	15/-	-10/(70%)

RAV-SH3001AP* / RAV-SHU3001AP* / RAV-SHB3001AP*



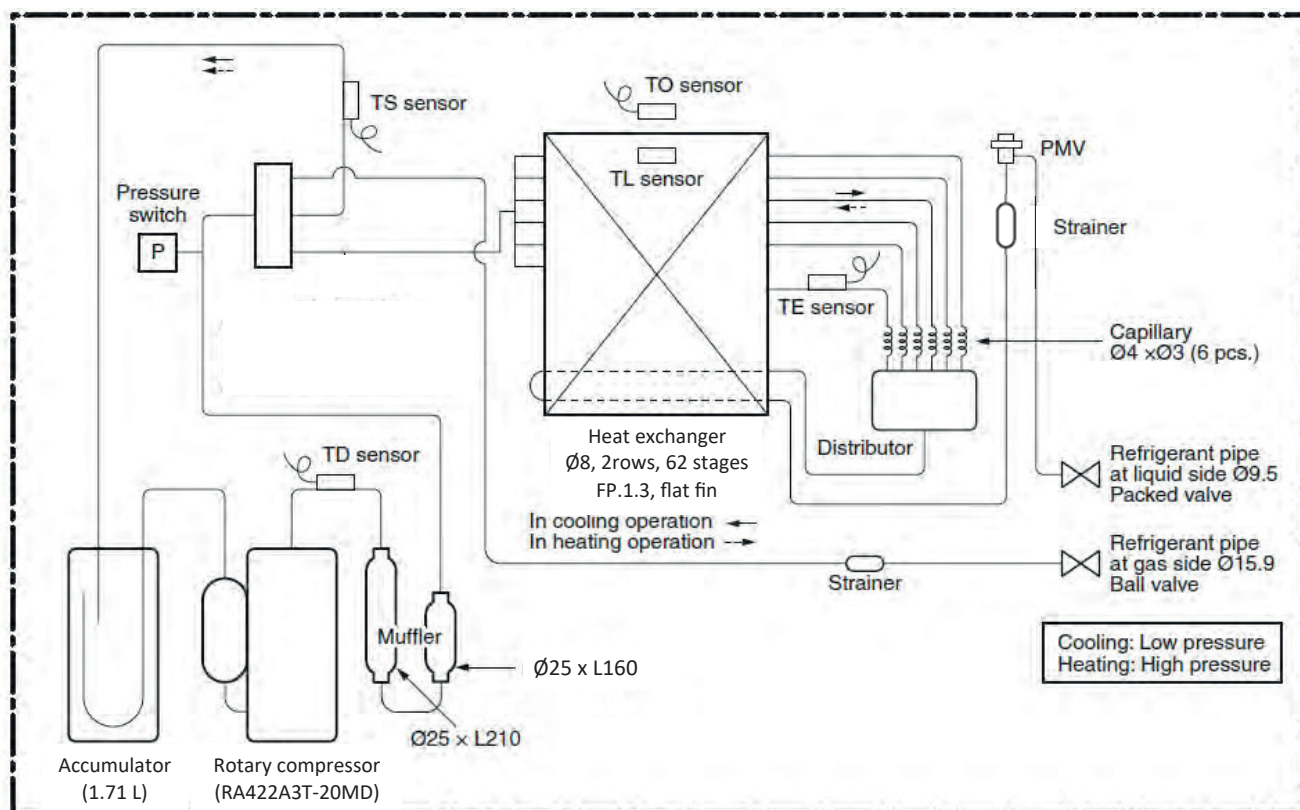
		Pressure				Pipe surface temperature (°C)				Comp. Hz	Temp	
		(MPa)		(kg/cm²G)								
		Pd	Ps	Pd	Ps	(TD)	(TS)	(TC)	(TE)		In	Out
Cooling	Standard	3.00	0.94	30.6	9.6	78	14	12	37	57	27/19	35/-
	Overload	3.73	1.39	38.0	14.2	82	20	21	55	23	32/23	54/-
	Low load	3.49	1.08	35.6	11.0	71	14	9	22	17	21/15	21/-

RAV-SH3601AP* / RAV-SHU3601AP* / RAV-SHB3601AP*



		Pressure				Pipe surface temperature (°C)				Comp. Hz	Temp	
		(MPa)		(kg/cm²G)							In	Out
		Pd	Ps	Pd	Ps	(TD)	(TS)	(TC)	(TE)			
Cooling	Standard	3.02	0.91	30.8	9.3	78	13	12	37	52	27/19	35/-
	Overload	3.74	1.36	38.1	13.9	75	21	22	57	27	32/23	54/-
	Low load	2.63	0.91	26.8	9.3	57	10	7	22	20	21/15	21/-

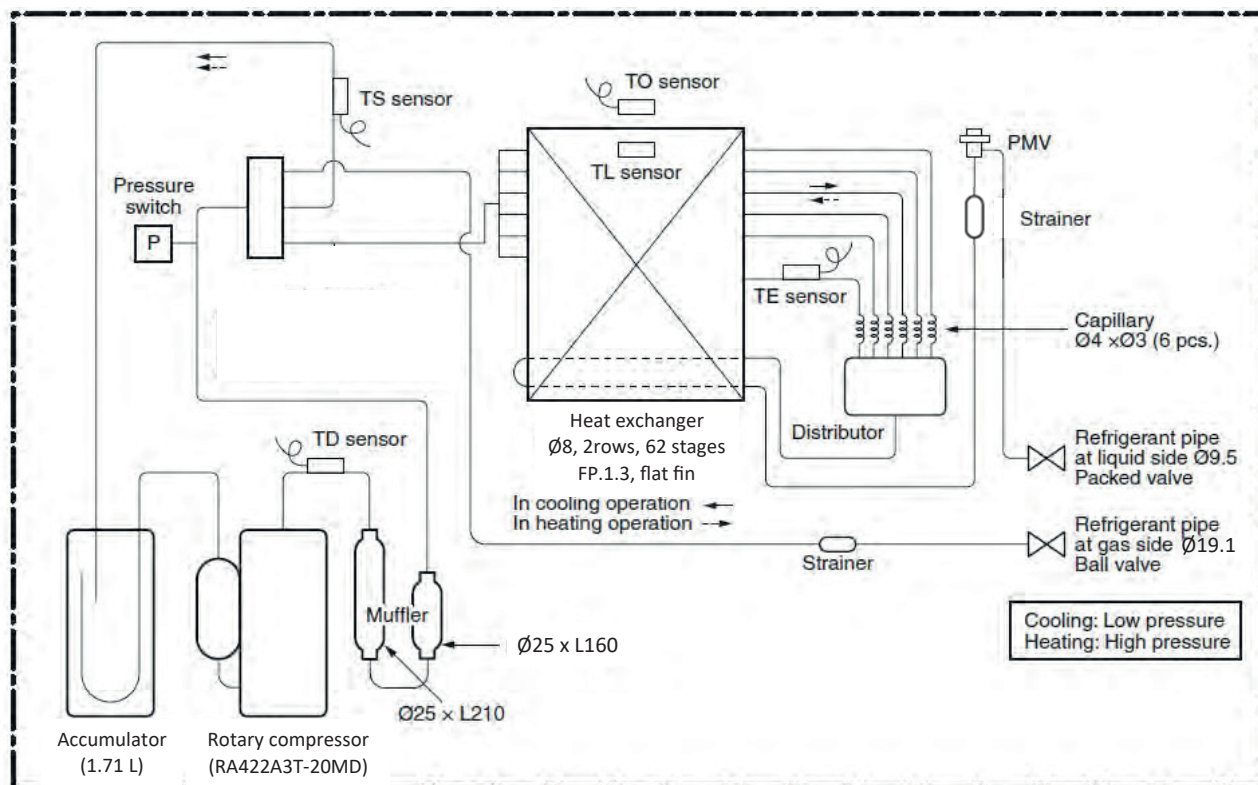
RAV-SH4801A8P* / RAV-SHU4801A8P* / RAV-SHB4801A8P*



		Pressure				Pipe surface temperature (°C)				Compressor drive revolution frequency (rps)	Indoor fan	Indoor/Outdoor temp.conditions (DB/WB) (°C)	
		(MPa)		(kg/cm2g)		Discharge	Suction	Indoor heat exchanger	Outdoor heat exchanger			Indoor	Outdoor
		Pd	Ps	Pd	Ps	(TD)	(TS)	(TC)	(TE)				
Cooling	Standard	2.65	0.95	27.0	9.7	71	14	13	36	49	HIGH	27/19	35/–
	Overload	3.53	1.41	36.0	14.4	80	26	23	54	25	HIGH	32/23	54/–
	Low load	0.77	0.45	7.85	4.6	16	2	13	-5	30	LOW	18/13	-15/–

* This compressor has 4-pole motor. The value when compressor frequency (Hz) is measured by a clamp meter becomes 2 times of No. of compressor revolutions (rps).

RAV-SH6001A8P* / RAV-SHB6001A8P*



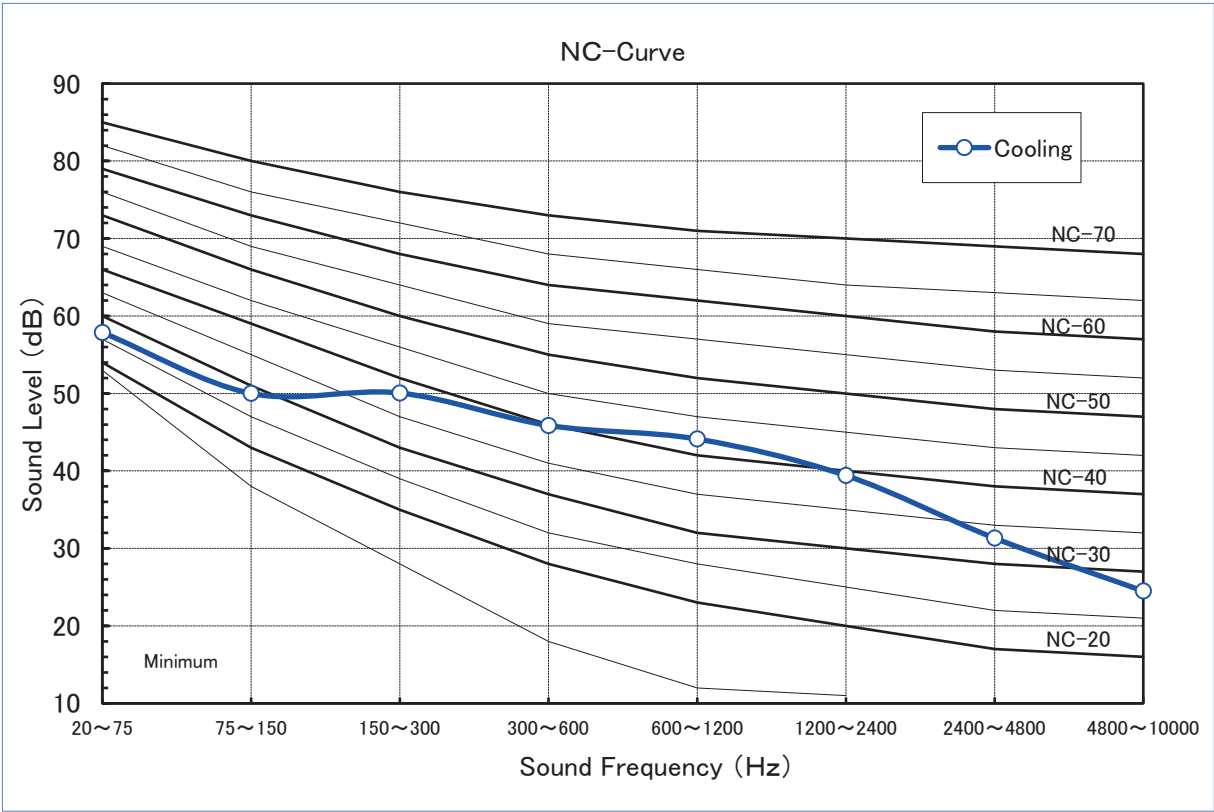
		Pressure				Pipe surface temperature (°C)				Compressor drive revolution frequency (rps)	Indoor fan	Indoor/Outdoor temp. conditions (DB/WB) (°C)	
		(MPa)		(kg/cm ² g)		Discharge	Suction	Indoor heat exchanger	Outdoor heat exchanger			Indoor	Outdoor
		Pd	Ps	Pd	Ps	(TD)	(TS)	(TC)	(TE)				
Cooling	Standard	2.72	0.96	27.7	9.7	69	13	18	38	53	HIGH	27/19	35/–
	Overload	3.61	1.36	36.8	13.8	77	26	26	58	23	HIGH	32/23	54/–
	Low load	1.76	0.89	17.9	9.0	39	8	9	23	32	LOW	18/13	–15/–

* This compressor has 4-pole motor. The value when compressor frequency (Hz) is measured by a clamp meter becomes 2 times of No. of compressor revolutions (rps).

3-5. Sound characteristics (NC curve)

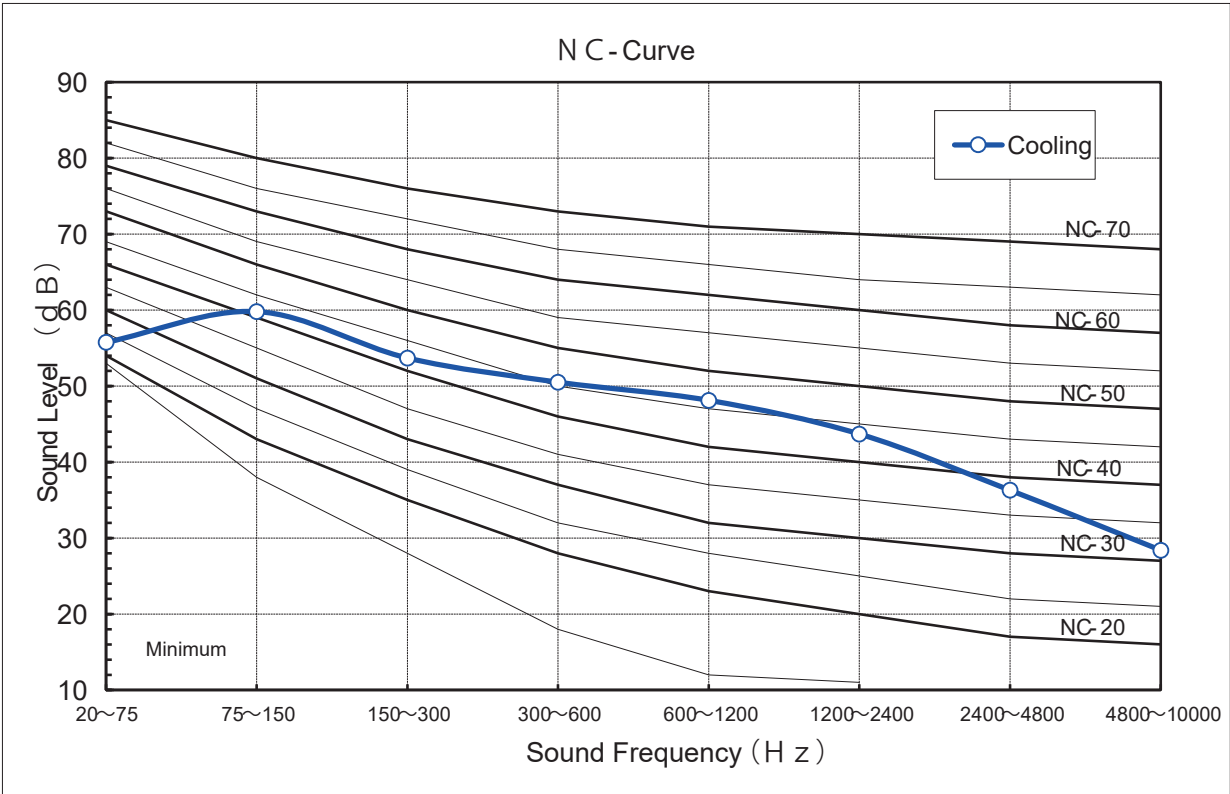
RAV-SH1801AP* / RAV-SHU1801AP* / RAV-SHB1801AP*

Cooling

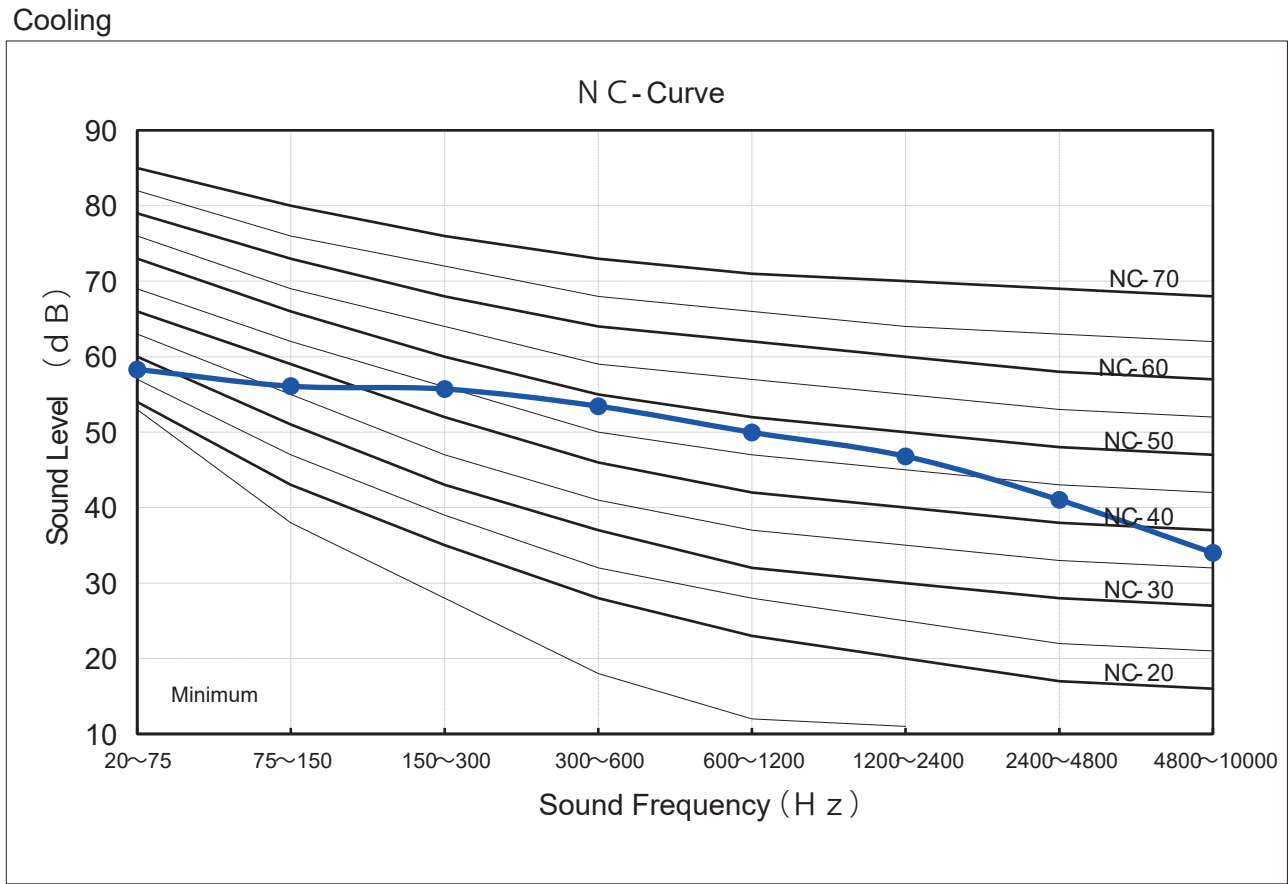


RAV-SH2401AP* / RAV-SHU2401AP* / RAV-SHB2401AP*

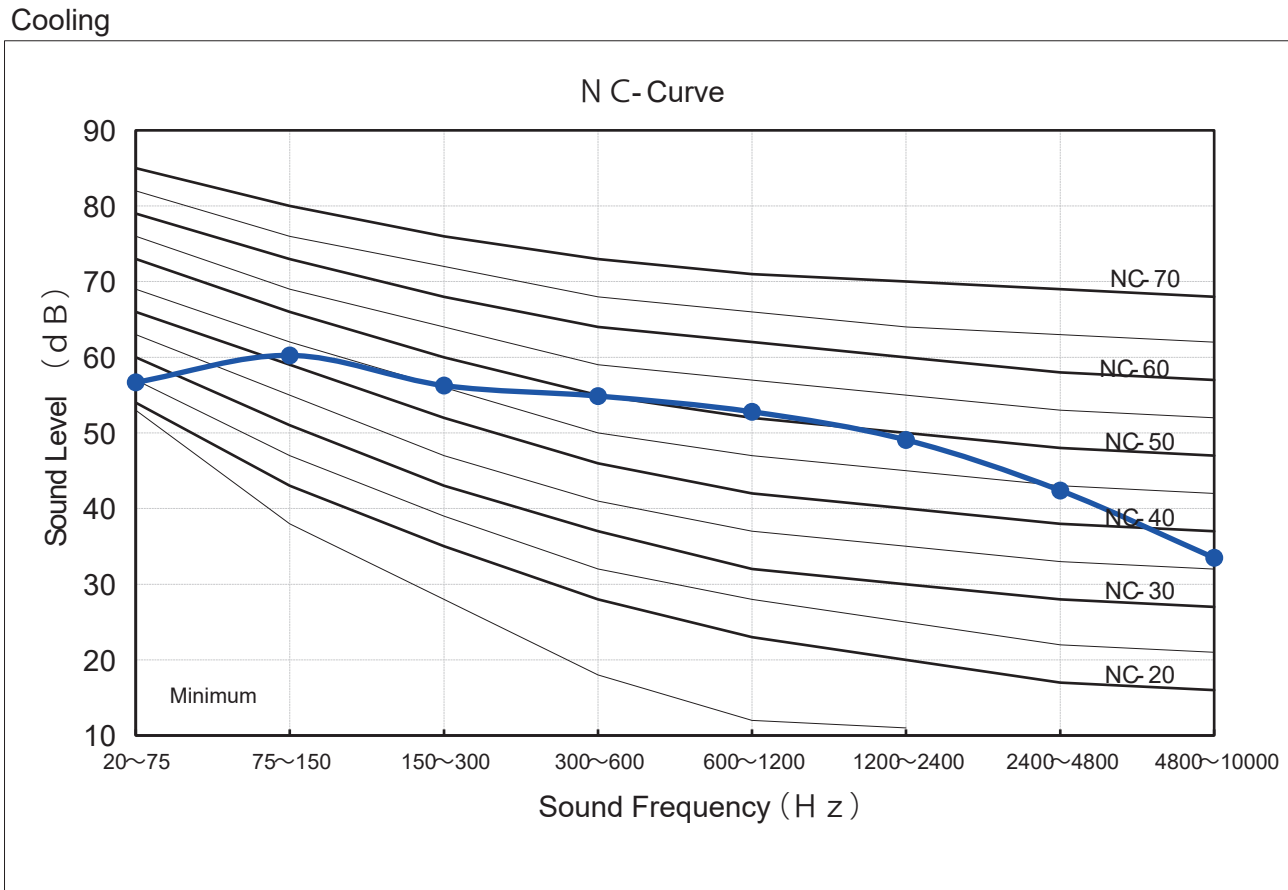
Cooling



RAV-SH3001AP* / RAV-SHU3001AP* / RAV-SHB3001AP*

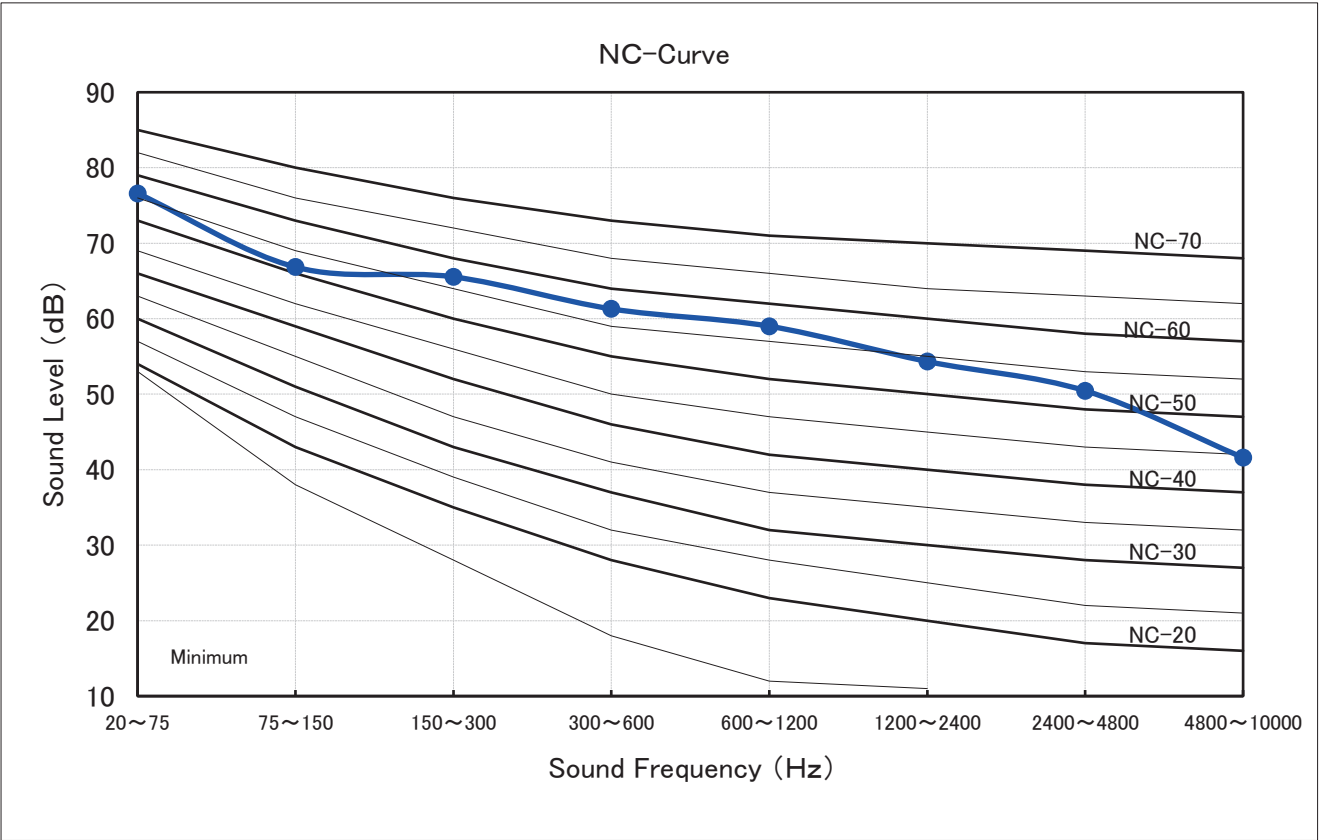


RAV-SH3601AP* / RAV-SHU3601AP* / RAV-SHB3601AP*



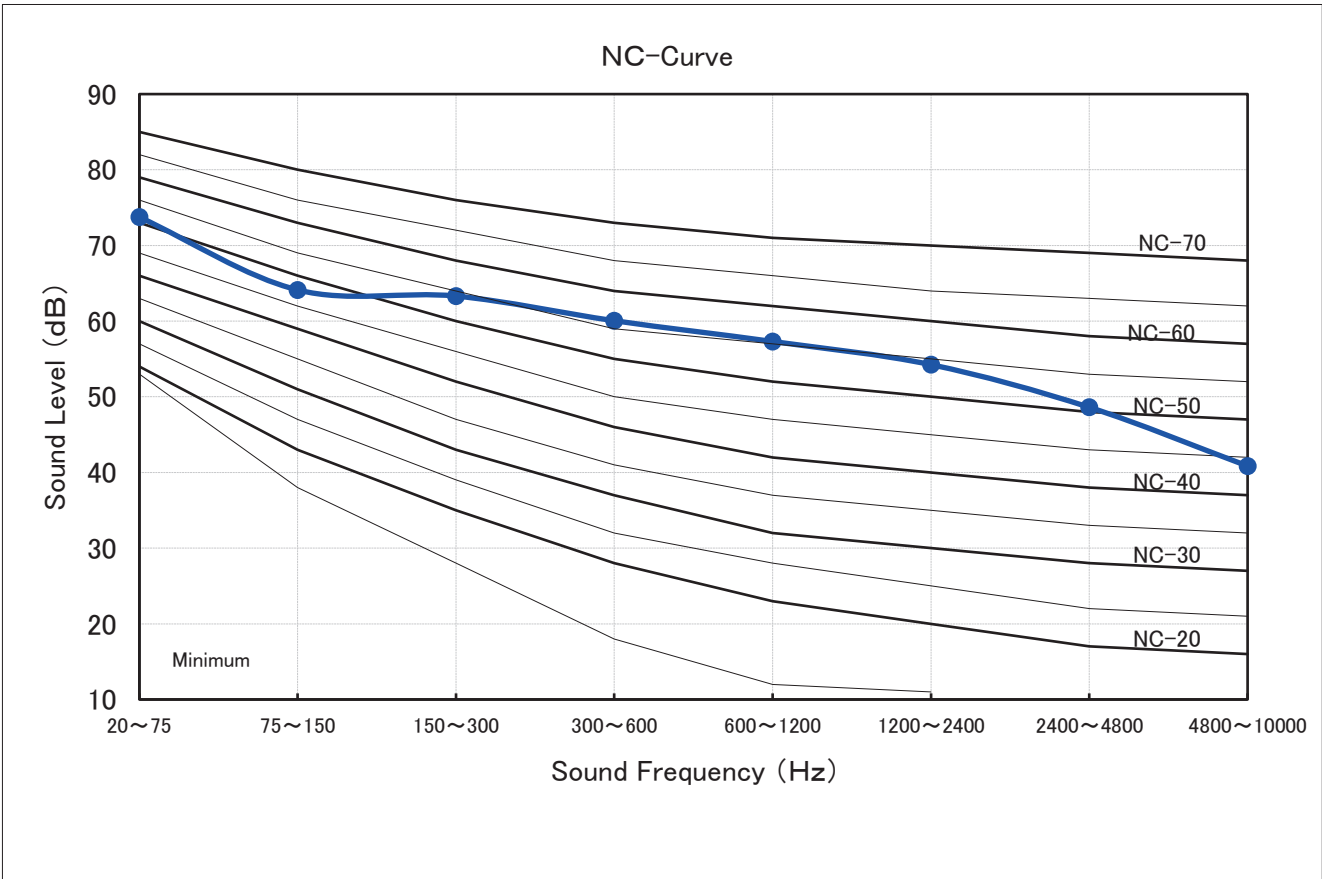
RAV-SH4801A8P* / RAV-SHU4801A8P* / RAV-SHB4801A8P*

Cooling



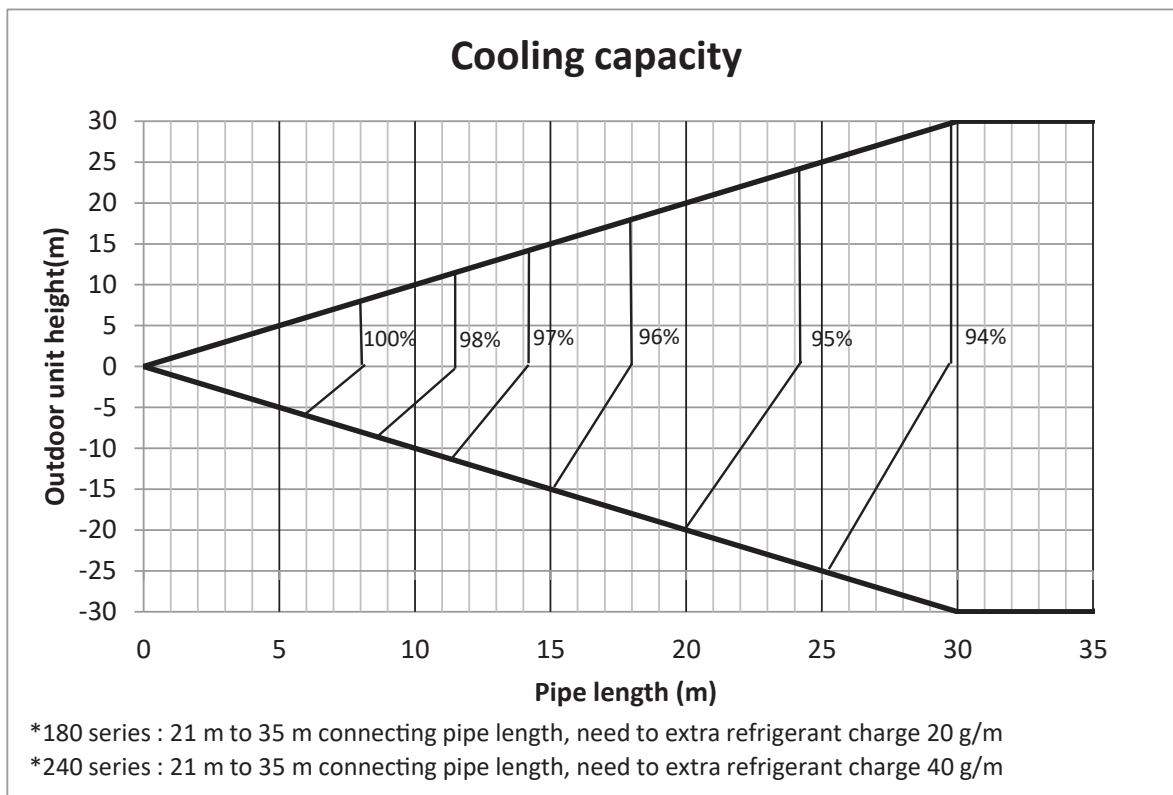
RAV-SH6001A8P* / RAV-SHB6001A8P*

Cooling

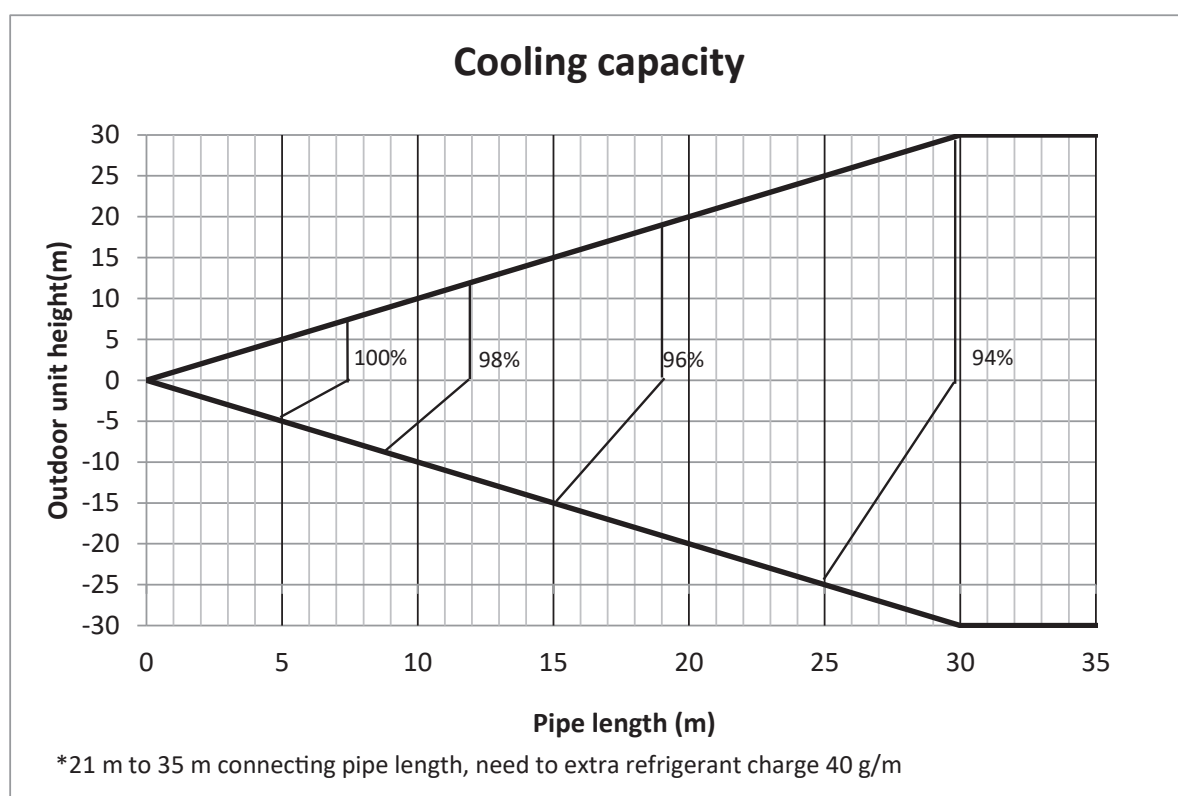


3-6. Connecting pipe length and lift difference between indoor units VS. capacity correction value

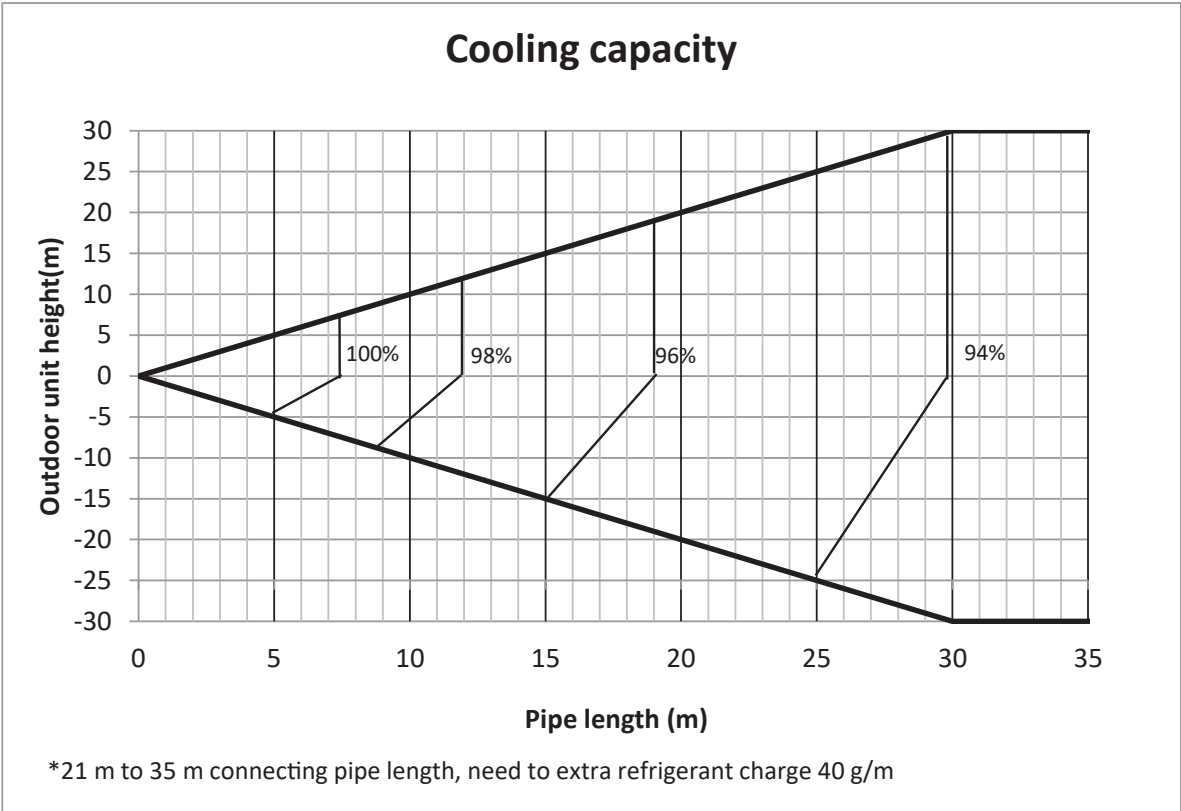
Model: RAV-SH1801AP * / RAV-SHU1801AP * / RAV-SHB1801AP *
RAV-SH2401AP * / RAV-SHU2401AP * / RAV-SHB2401AP *



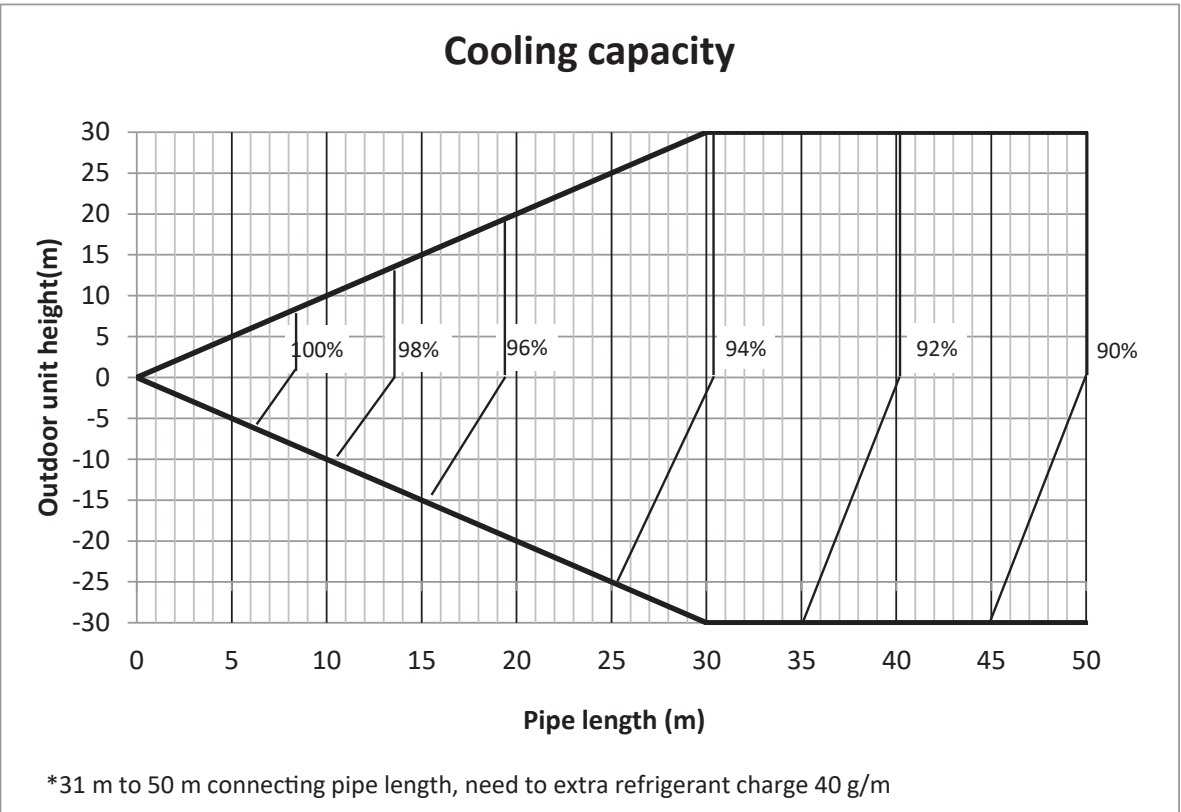
Model: RAV-SH3001AP * / RAV-SHU3001AP * / RAV-SHB3001AP *
RAV-SH3601AP * / RAV-SHU3601AP * / RAV-SHB3601AP *



Model: RAV-SH3001AP */ RAV-SHU3001AP */ RAV-SHB3001AP *
RAV-SH3601AP */ RAV-SHU3601AP */ RAV-SHB3601AP *



Model: RAV-SH4801A8P */ RAV-SHU4801A8P */ RAV-SHB4801A8P *
RAV-SH6001A8P */ RAV-SHB6001A8P *



4. Accessories

Type	Model name	Feature	Factory
Ceiling panel	RBC-U31PGXP(W)-IN1	4Way cassette panel	TCTC
Wired Remote Controller	RBC-AMT32E	Standard type	TCC
	RBC-AMS55E-EN	Premium type	
	RBC-ASC11E	Compact type	TCAC
Wireless Remote Controller kit	TCB-ACX32E2	Wireless remote controller & Integral receiver unit for Standard duct	TCTC

*For UAE model

Type	Model name	Feature	Factory
Ceiling panel	RBC-U31PGXP(W)-IN1	4Way cassette panel	TCTC
Wired Remote Controller	RBC-AMS41ME	Standard type for UAE Compliance	TCC

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