

Digital Inverter R32 3.5HP Light Commercial System

Indoor Units

RAV-HM901UTP-E

RAV-HM901BTP-E

RAV-HM901CTP-E

RAV-HM901KRTP-E

Outdoor Units

RAV-GM901ATP-E

RAV-GM901ATJP-E

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1. Line up

Outdoor unit

Model name	RAV-GM901ATP-E RAV-GM901ATJP-E
Appearance	 3.5 HP

Indoor unit

Capacity Type	90
4-way Cassette	 RAV-HM901UTP-E
Under Ceiling	 RAV-HM901CTP-E
Standard Duct	 RAV-HM901BTP-E
High wall	 RAV-HM901KRTP-E

2. Indoor Units

2-1. 4-way Cassette Type

2-1-1. Specifications

2-1-2. Dimension

2-1-3. Wiring Diagrams

2-1-4. Sensible Capacity Table

2-1-5. Part Load Performance

2-1-6. Air Throw Distance Chart

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

2-1-1. Specifications

4-way Cassette Type

Model		Indoor unit		RAV-HM901UTP-E		
		Outdoor unit		RAV-GM901AT(J)P-E		
Cooling capacity				(kW)	8.0 < 1.9 - 8.8 >	
Heating capacity				(kW)	9.0 < 1.6 - 9.9 >	
Power supply				1 phase 220V-240V/50Hz, 1phase 220V/60Hz		
Electrical characteristics	Cooling	Running current		(A)	11.48 - 10.52	
		Power consumption		(kW)	2.42	
		EER			3.30	
		PdesignC			8.00	
		SEER			7.20	
		Energy label			A++	
	Heating	Running current		(A)	11.46 - 10.50	
		Power consumption		(kW)	2.42	
		COP			3.72	
		PdesignH (Tbiv -7°C)			6.30	
		SCOP			4.60	
		Energy label			A++	
		Maximum current		(A)	17.0	
Indoor unit						
Appearance		Main unit		Pure white		
		Ceiling panel (Sold separately)	Model	RBC-U31PGP(W)-E , RBC-U31PGSP(W)-E		
			Panel color	W: Moon-white(2.5GY 9.0/0.5)		
Outer dimension		Main unit	Height	(mm)	319	
			Width	(mm)	840	
			Depth	(mm)	840	
		Ceiling panel (Sold separately)	Height	(mm)	30	
			Width	(mm)	950	
			Depth	(mm)	950	
Total weight		Main unit		(kg)	24.0	
		Ceiling panel (Sold separately)		(kg)	4.2	
Fan unit		Fan		Turbo fan		
		Standard air flow	H/M/L	(m3/h)	1600 / 1170 / 900	
		Motor		(W)	150	
External static pressure		Standard (Upper - Lower)		(Pa)	-	
Air filter				Standard filter (Long life filter)		
Sound pressure level			H/M/L	(dB)	40 / 36 / 33	
Sound power level			H/M/L	(dB)	55 / 51 / 48	
Connecting pipe		Drain port		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.

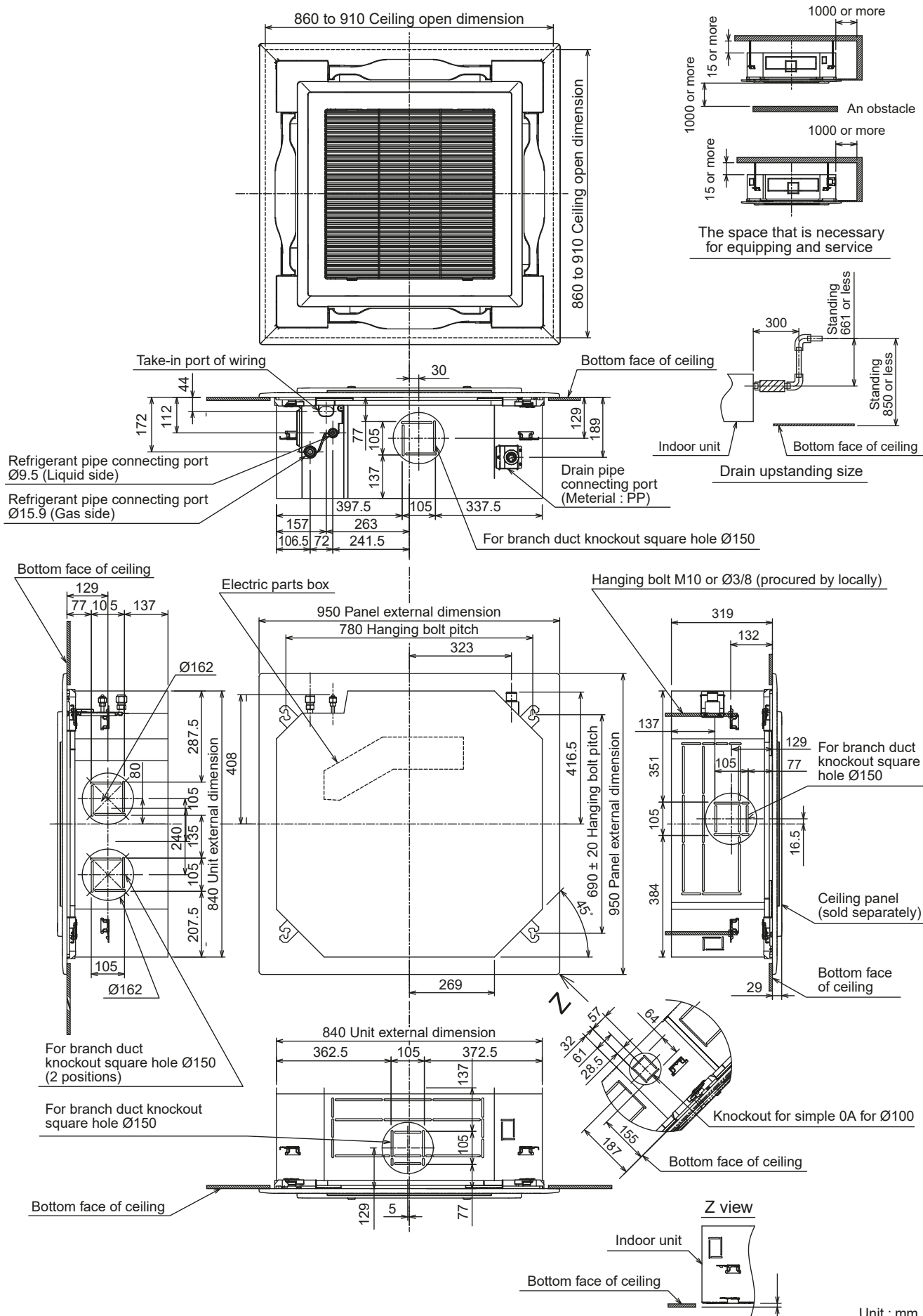
*2 : The sound level are measured in an anechoic chamber in accordance with JIS B 8616. Normally, the values measured in the actual operating environment become larger than the indicated values due to the effects of external sound.

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 35°C DB

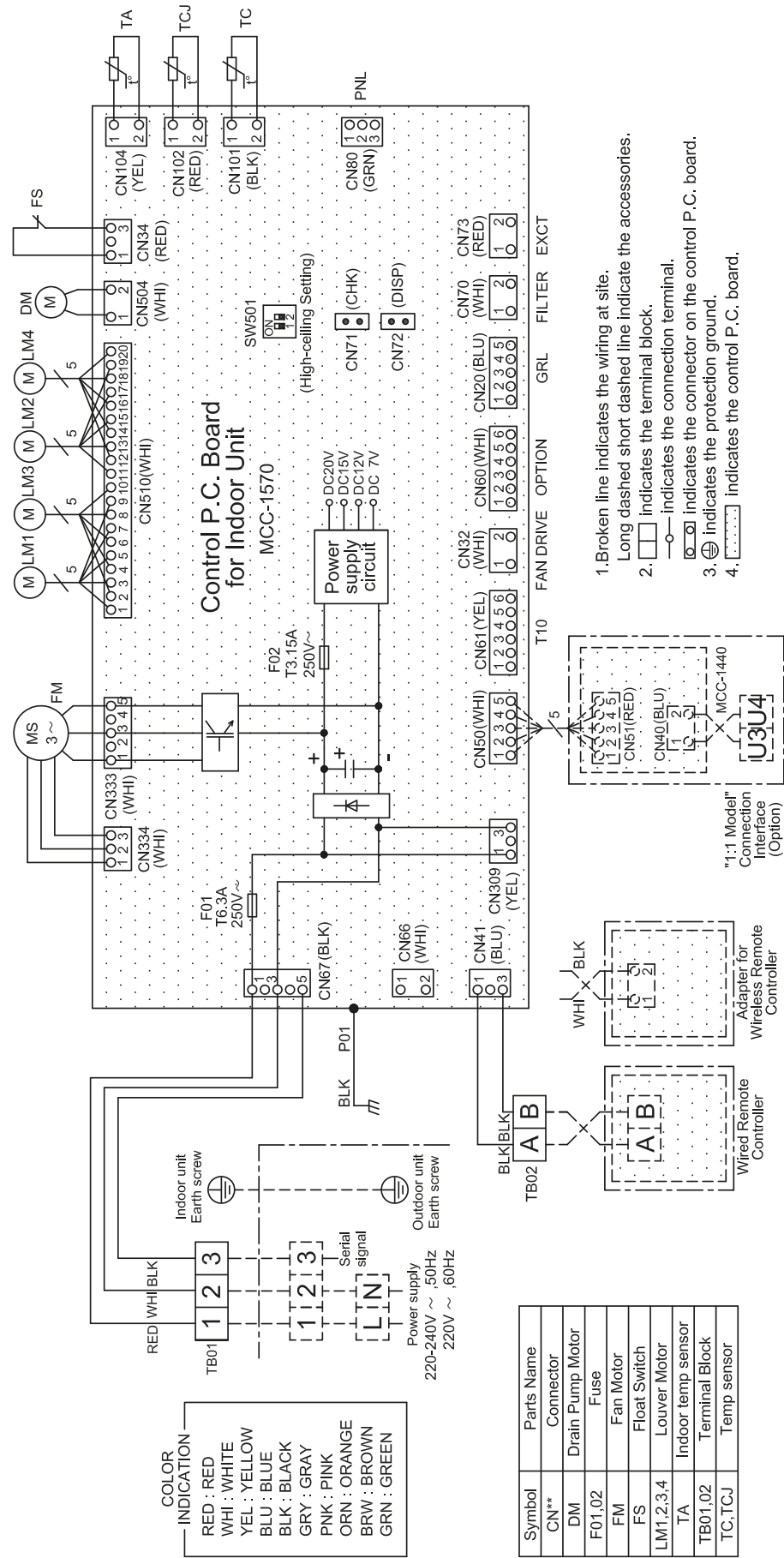
2-1-2. Dimension

RAV-HM901UTP-E



2-1-3. Wiring Diagrams

RAV-HM901UTP-E



2-1-4. Sensible Capacity Table

Product models : RAV-HM901UTP-E : RAV-GM901AT(J)P-E

Standard Condition

Specification of product at standard condition.

Indoor	27.0 °C DB / 19.0 °C WB
Outdoor	35.0 °C DB / 24.0 °C WB

Total Cooling Capacity (TC)	8.00	kW
Sensible Heat Capacity (SHC)	7.10	kW

Outdoor air temp. °C DB	Indoor Air temperature																	
	14.0 °C WB		15.0 °C WB		16.0 °C WB		17.0 °C WB		18.0 °C WB		19.0 °C WB		20.0 °C WB		22.0 °C WB		24.0 °C WB	
	20.0 °C DB		21.5 °C DB		23.0 °C DB		24.5 °C DB		26.0 °C DB		27.0 °C DB		28.0 °C DB		30.0 °C DB		32.0 °C DB	
°C DB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10.0	9.29	8.58	9.60	8.86	9.93	9.16	10.25	9.47	10.60	9.78	10.92	9.69	11.25	9.87	11.93	10.34	12.62	10.69
12.0	9.06	8.37	9.36	8.64	9.68	8.94	10.00	9.23	10.34	9.54	10.65	9.45	10.97	9.63	11.63	10.09	12.30	10.43
14.0	8.83	8.16	9.13	8.43	9.44	8.71	9.75	9.00	10.08	9.30	10.38	9.21	10.70	9.39	11.34	9.84	12.00	10.17
16.0	8.62	7.96	8.90	8.22	9.21	8.50	9.51	8.78	9.83	9.07	10.12	8.99	10.44	9.16	11.06	9.59	11.70	9.92
18.0	8.40	7.76	8.68	8.01	8.98	8.29	9.27	8.56	9.59	8.84	9.87	8.76	10.18	8.93	10.79	9.36	11.41	9.67
20.0	7.96	7.35	8.23	7.60	8.51	7.86	8.79	8.12	9.09	8.38	9.36	8.31	9.65	8.47	10.22	8.87	10.82	9.17
21.0	8.09	7.47	8.36	7.72	8.65	7.98	8.93	8.25	9.23	8.52	9.51	8.44	9.80	8.60	10.39	9.01	10.99	9.31
23.0	7.89	7.29	8.15	7.53	8.43	7.78	8.71	8.04	9.00	8.31	9.27	8.23	9.56	8.39	10.13	8.79	10.72	9.08
25.0	7.70	7.11	7.95	7.34	8.22	7.59	8.50	7.84	8.78	8.10	9.04	8.03	9.32	8.18	9.88	8.57	10.45	8.86
27.0	7.51	6.93	7.76	7.16	8.02	7.41	8.29	7.65	8.57	7.90	8.82	7.83	9.09	7.98	9.64	8.36	10.20	8.64
29.0	7.32	6.76	7.57	6.99	7.83	7.22	8.08	7.46	8.36	7.71	8.61	7.64	8.87	7.78	9.40	8.16	9.95	8.43
31.0	7.14	6.60	7.38	6.82	7.63	7.05	7.89	7.28	8.15	7.52	8.40	7.45	8.66	7.60	9.17	7.96	9.70	8.23
33.0	6.97	6.44	7.20	6.65	7.45	6.88	7.70	7.11	7.95	7.34	8.19	7.27	8.45	7.41	8.95	7.76	9.47	8.03
35.0	6.81	6.29	7.03	6.49	7.27	6.72	7.51	6.94	7.77	7.17	8.00	7.10	8.25	7.24	8.74	7.58	9.24	7.84
37.0	6.64	6.13	6.86	6.34	7.10	6.55	7.33	6.77	7.58	6.99	7.81	6.93	8.05	7.06	8.53	7.40	9.02	7.65
39.0	6.49	5.99	6.70	6.19	6.93	6.40	7.16	6.61	7.40	6.83	7.62	6.76	7.86	6.89	8.33	7.22	8.81	7.47
40.0	6.41	5.92	6.62	6.11	6.85	6.32	7.07	6.53	7.31	6.75	7.53	6.69	7.76	6.81	8.23	7.14	8.70	7.38
43.0	6.19	5.72	6.40	5.90	6.61	6.11	6.83	6.31	7.06	6.52	7.27	6.46	7.50	6.58	7.95	6.89	8.41	7.13
46.0	5.99	5.53	6.19	5.71	6.40	5.91	6.61	6.11	6.83	6.31	7.06	6.46	7.26	6.37	7.69	6.67	8.14	6.90

2-1-5. Part Load Performance

Combination

Indoor Unit : RAV-HM901UTP-E

Outdoor unit : RAV-GM901AT(J)P-E

	Cooling		Heating	
	Capacity(W)	Power consumption (W)	Capacity(W)	Power consumption (W)
MINIMUM	1900	300	1600	300
RATING	8000	2420	9000	2420

Q: Capacity in W

W: Power Consumption in W

Cooling

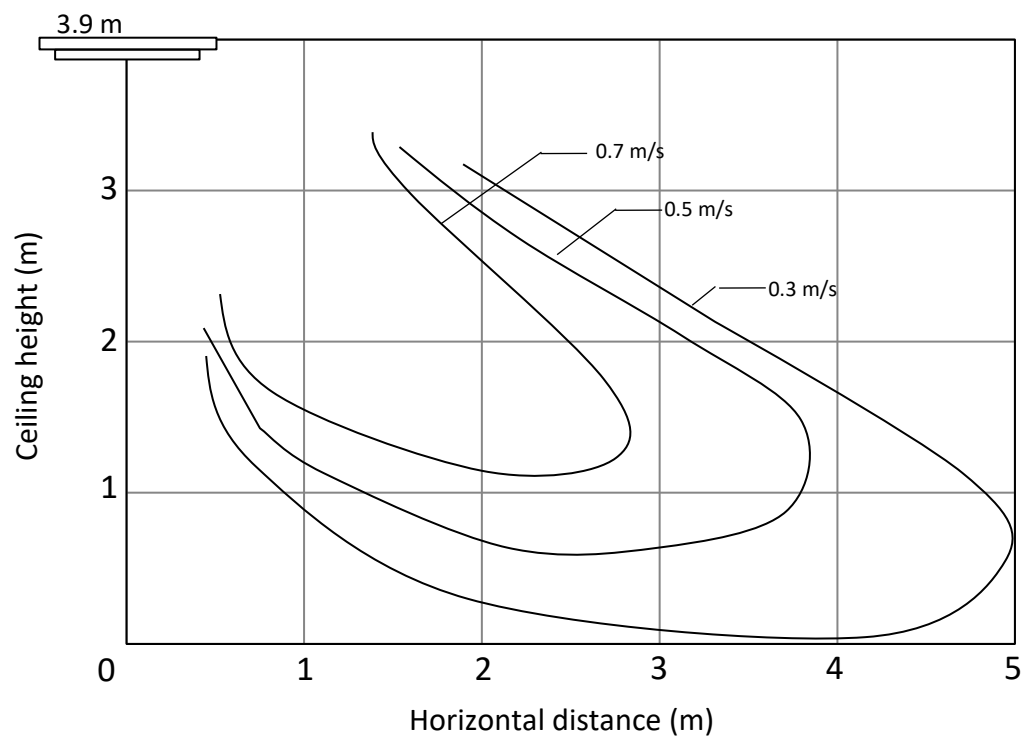
Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	5200	5200	5200	4930	4220	3520	2820	2110	1670	1670
	W	2190	2190	2190	2020	1590	1220	900	630	440	440
43	Q	7270	6550	5820	5090	4360	3640	2910	2180	1730	1730
	W	3230	2720	2240	1830	1440	1110	810	570	400	400
40	Q	7530	6780	6030	5270	4520	3770	3010	2260	1790	1790
	W	2930	2470	2030	1660	1310	1000	740	520	360	360
35	Q	8000	7200	6400	5600	4800	4000	3200	2400	1900	1900
	W	2420	2040	1680	1370	1080	830	610	430	300	300
30	Q	8500	7650	6800	5950	5100	4250	3400	2550	2020	2020
	W	1950	1640	1350	1100	870	670	490	350	240	240
25	Q	9040	8140	7240	6330	5430	4520	3620	2710	2150	2150
	W	1490	1260	1030	840	670	510	380	260	180	180
20	Q	9360	8420	7490	6550	5620	4680	3740	2810	2220	2220
	W	1070	900	740	600	480	370	270	190	130	130

Heating

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
15	Q	10850	9770	8680	7600	6510	5430	4340	3260	2170	1930
	W	2670	2250	1870	1520	1220	940	720	520	380	330
10	Q	9710	8740	7770	6800	5830	4860	3880	2910	1940	1730
	W	2530	2140	1770	1440	1150	890	680	490	360	310
7	Q	9000	8100	7200	6300	5400	4500	3600	2700	1800	1600
	W	2420	2040	1690	1380	1100	850	650	470	340	300
5	Q	8530	7680	6830	5970	5120	4270	3410	2560	1710	1520
	W	2340	1980	1640	1340	1070	820	630	460	330	290
2	Q	6750	6080	5400	4730	4050	3380	2700	2030	1350	1200
	W	2230	1880	1560	1270	1010	780	600	430	310	280
0	Q	6570	5910	5260	4600	3940	3290	2630	1970	1310	1170
	W	1980	1670	1380	1130	900	690	530	380	280	250
-5	Q	6120	5510	4900	4280	3670	3060	2450	1840	1220	1090
	W	1940	1630	1350	1100	880	680	520	380	270	240
-7	Q	5520	4970	4410	3860	3310	2760	2210	1660	1100	980
	W	1930	1630	1350	1100	880	680	520	370	270	240
-10	Q	5060	4560	4050	3540	3040	2530	2030	1520	1010	900
	W	1840	1550	1280	1050	840	650	490	360	260	230
-15	Q	4270	3840	3410	2990	2560	2130	1710	1280	850	760
	W	1710	1440	1190	980	780	600	460	330	240	210

2-1-6. Air Throw Distance Chart

RAV-HM901UTP-E

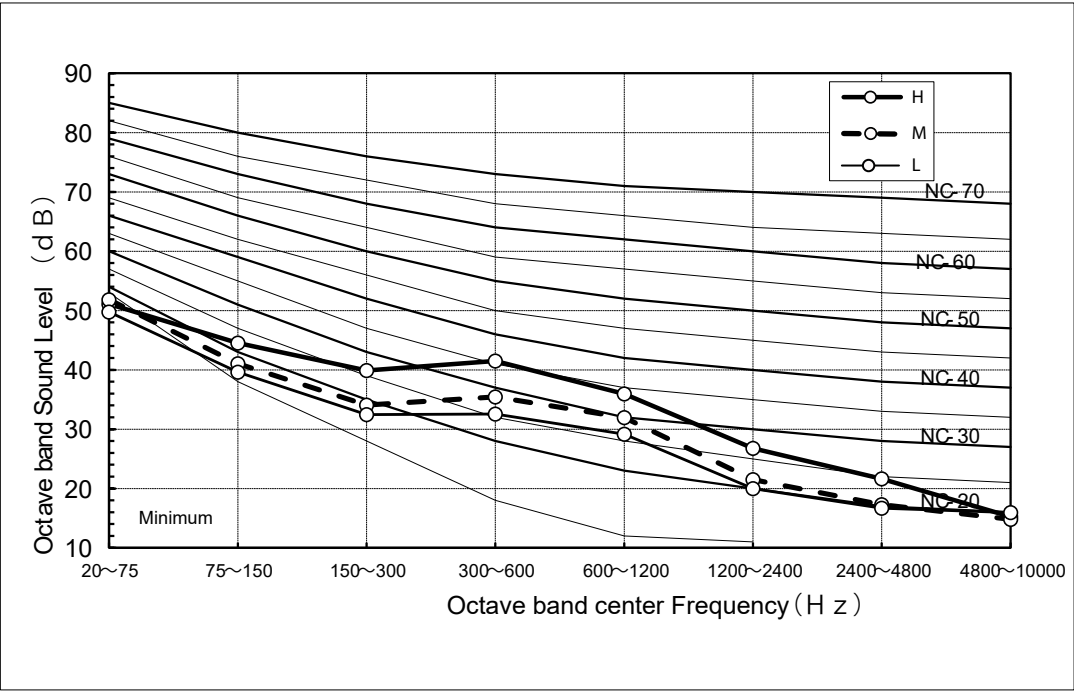


2-1-7. Sound characteristics (NC curve)

RAV-HM901UTP-E

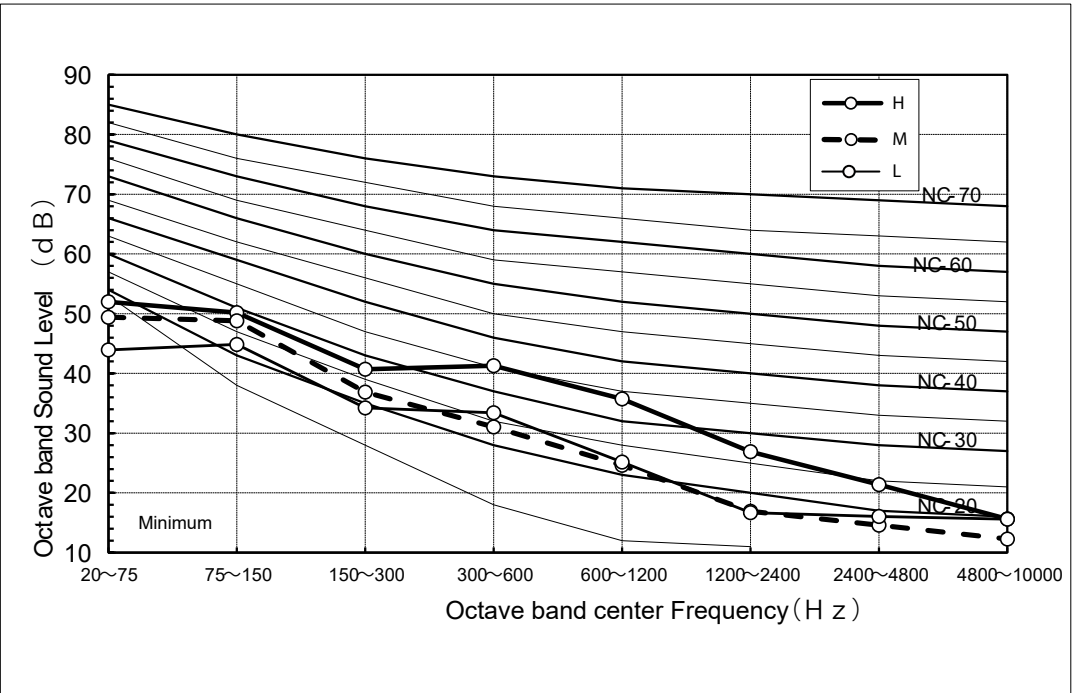
Cooling

Specification (d B)			
Fan tap	H	M	L
Sound pressure level (dB(A))	40	36	33



Heating

Specification (d B)			
Fan tap	H	M	L
Sound pressure level (dB(A))	40	36	33



2-2. Under Ceiling

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. Air Throw Distance Chart

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

2-2-1. Specifications

Ceiling type

Model		Indoor unit		RAV-HM901CTP-E		
		Outdoor unit		RAV-GM901AT(J)P-E		
Cooling capacity				(kW)	8.0 < 1.9 - 8.8 >	
Heating capacity				(kW)	9.0 < 1.6 - 9.9 >	
Power supply				1 phase 220V-240V/50Hz, 1phase 220V/60Hz		
Electrical characteristics	Cooling	Running current		(A)	12.22 - 11.20	
		Power consumption		(kW)	2.58	
		EER			3.10	
		PdesignC			8.00	
		SEER			6.10	
		Energy label			A++	
	Heating	Running current		(A)	12.55 - 11.50	
		Power consumption		(kW)	2.65	
		COP			3.40	
		PdesignH (Tbiv -7°C)			6.30	
		SCOP			4.60	
		Energy label			A++	
		Maximum current		(A)	17.0	
Indoor unit						
Appearance		Main unit		Zinc hot dipping steel plate		
		Ceiling panel (Sold separately)	Model		-	
			Panel color		-	
Outer dimension		Main unit	Height	(mm)	235	
			Width	(mm)	1586	
			Depth	(mm)	690	
		(Sold separately)	Height	(mm)	-	
			Width	(mm)	-	
			Depth	(mm)	-	
Total weight		Main unit		(kg)	37.0	
		Ceiling panel (Sold separately)		(kg)	-	
Fan unit		Fan		Centifugal fan		
		Standard air flow	H/M/L	(m3/h)	1600 / 1360 / 900	
		Motor		(W)	139	
External static pressure		Standard (Upper - Lower)		(Pa)	-	
Air filter				Standard filter (Long life filter)		
Sound pressure level			H/M/L	(dB)	42 / 38 / 30	
Sound power level			H/M/L	(dB)	57 / 53 / 45	
Connecting pipe		Drain port		VP25		

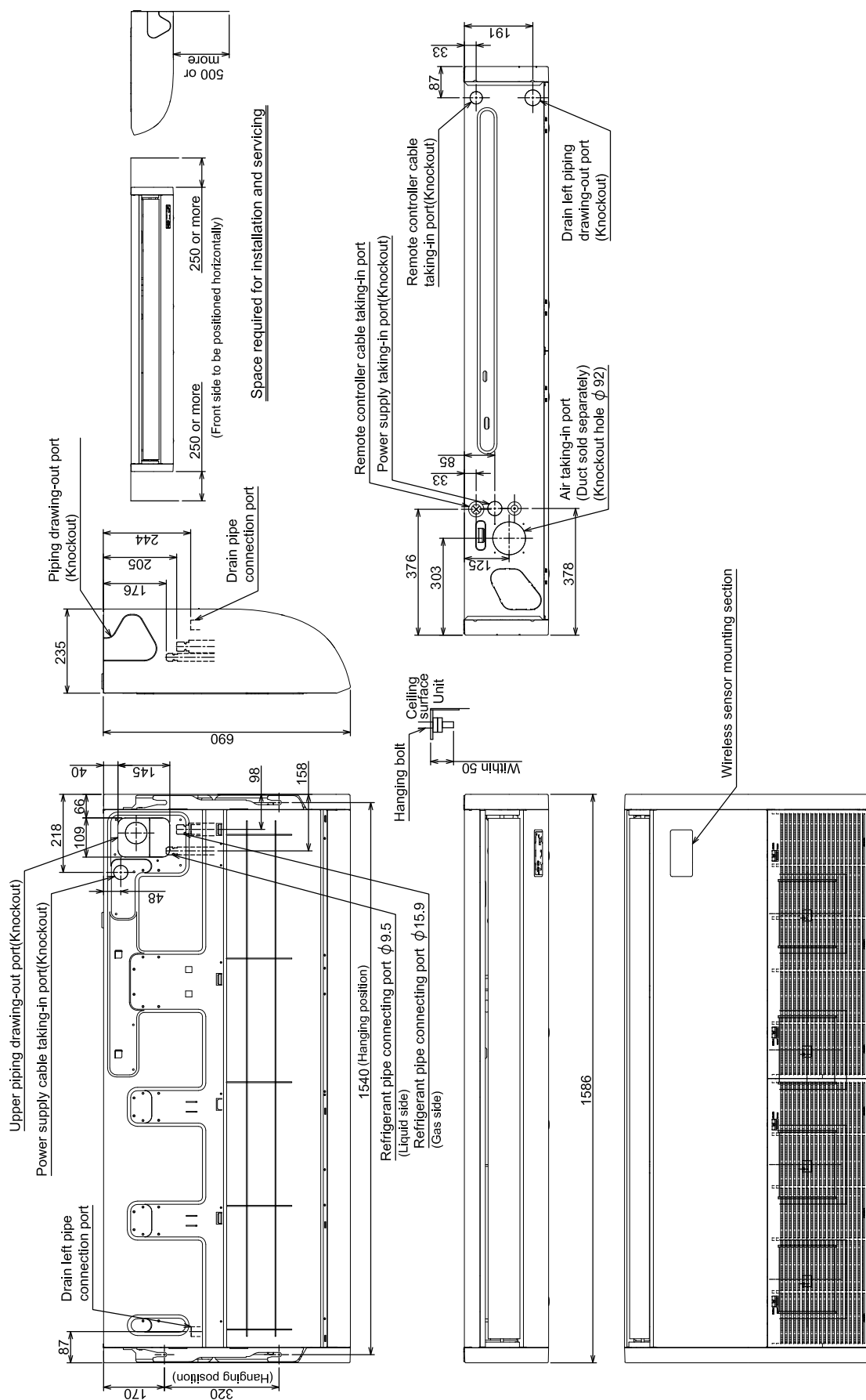
1 : The cooling capacities and electrical characteristics are measured under the conditions specified by JIS B 8615 based on the reference piping. The reference piping consists of 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

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 :

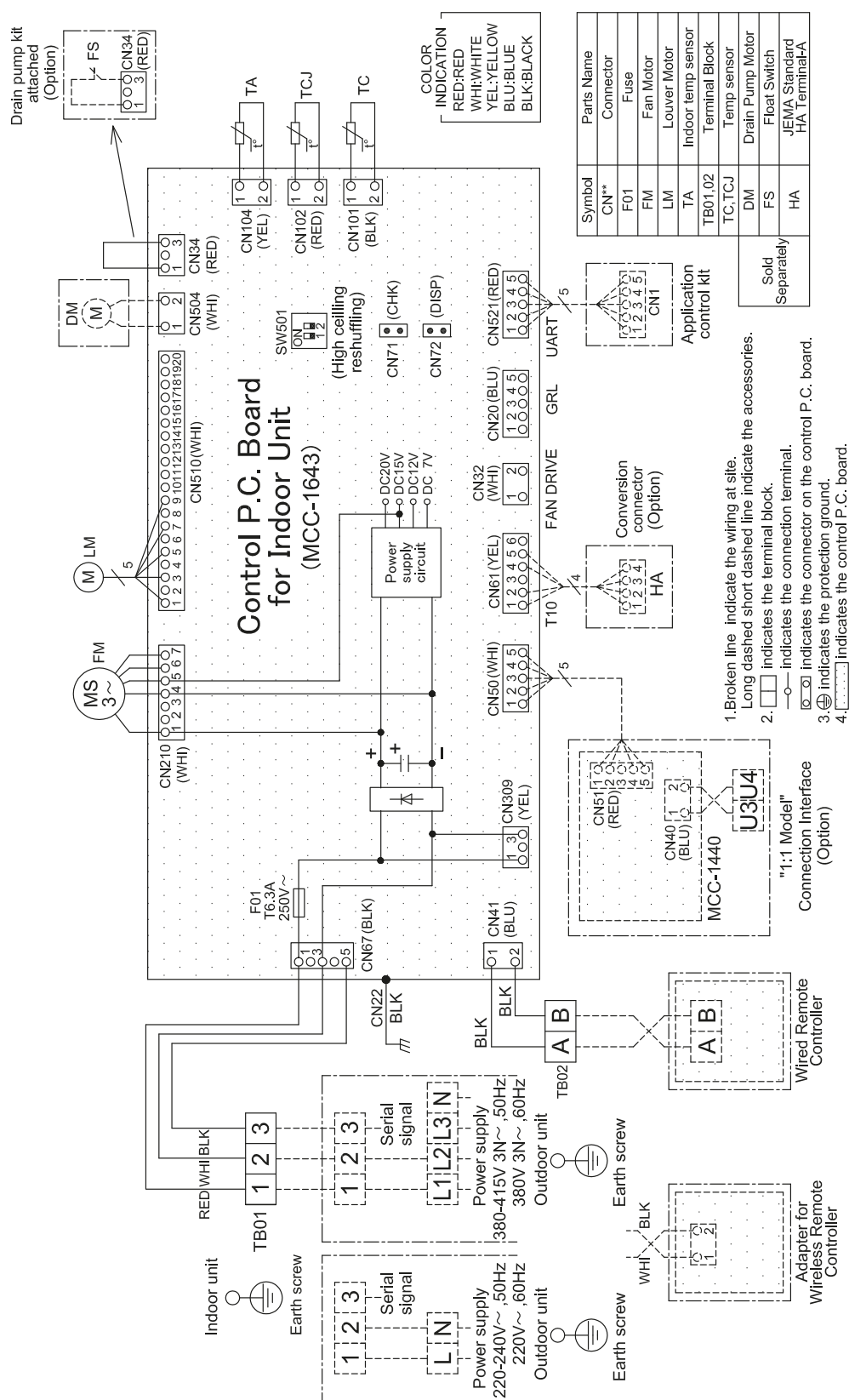
Rated conditions Cooling : Indoor air temperature 27°C DB/19°C WB, Outdoor air temperature 35°C DB

2-2-2. Dimension

RAV-HM901CTP-E

(Unit:mm)

2-2-3. Wiring Diagrams

RAV-HM901CTP-E

2-2-4. Sensible Capacity Table

Product models : RAV-HM901CTP-E : RAV-GM901AT(J)P-E

Standard Condition

Indoor	27.0 °C DB / 19.0 °C WB
Outdoor	35.0 °C DB / 24.0 °C WB

Specification of product at standard condition.

Total Cooling Capacity (TC)	8.00 kW
Sensible Heat Capacity (SHC)	6.50 kW

Outdoor air temp. °C DB	Indoor Air temperature																	
	14.0 °C WB		15.0 °C WB		16.0 °C WB		17.0 °C WB		18.0 °C WB		19.0 °C WB		20.0 °C WB		22.0 °C WB		24.0 °C WB	
	20.0 °C DB		21.5 °C DB		23.0 °C DB		24.5 °C DB		26.0 °C DB		27.0 °C DB		28.0 °C DB		30.0 °C DB		32.0 °C DB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10.0	9.29	7.85	9.60	8.11	9.93	8.39	10.25	8.67	10.60	8.95	10.92	8.87	11.25	9.03	11.93	9.45	12.62	9.75
12.0	9.06	7.66	9.36	7.91	9.68	8.18	10.00	8.45	10.34	8.73	10.65	8.65	10.97	8.81	11.63	9.22	12.30	9.51
14.0	8.83	7.47	9.13	7.72	9.44	7.98	9.75	8.24	10.08	8.51	10.38	8.44	10.70	8.59	11.34	8.99	12.00	9.27
16.0	8.62	7.28	8.90	7.52	9.21	7.78	9.51	8.04	9.83	8.30	10.12	8.23	10.44	8.38	11.06	8.76	11.70	9.04
18.0	8.40	7.10	8.68	7.34	8.98	7.59	9.27	7.84	9.59	8.10	9.87	8.02	10.18	8.17	10.79	8.55	11.41	8.82
20.0	7.96	6.73	8.23	6.96	8.51	7.19	8.79	7.43	9.09	7.68	9.36	7.61	9.65	7.74	10.22	8.10	10.82	8.36
21.0	8.09	6.84	8.36	7.07	8.65	7.31	8.93	7.55	9.23	7.80	9.51	7.73	9.80	7.87	10.39	8.23	10.99	8.49
23.0	7.89	6.67	8.15	6.89	8.43	7.13	8.71	7.36	9.00	7.61	9.27	7.53	9.56	7.67	10.13	8.03	10.72	8.28
25.0	7.70	6.51	7.95	6.72	8.22	6.95	8.50	7.18	8.78	7.42	9.04	7.35	9.32	7.48	9.88	7.83	10.45	8.08
27.0	7.51	6.35	7.76	6.56	8.02	6.78	8.29	7.00	8.57	7.24	8.82	7.17	9.09	7.30	9.64	7.64	10.20	7.88
29.0	7.32	6.19	7.57	6.40	7.83	6.61	8.08	6.83	8.36	7.06	8.61	6.99	8.87	7.12	9.40	7.45	9.95	7.68
31.0	7.14	6.04	7.38	6.24	7.63	6.45	7.89	6.67	8.15	6.89	8.40	6.82	8.66	6.95	9.17	7.27	9.70	7.50
33.0	6.97	5.89	7.20	6.09	7.45	6.30	7.70	6.51	7.95	6.72	8.19	6.66	8.45	6.78	8.95	7.09	9.47	7.32
35.0	6.81	5.75	7.03	5.94	7.27	6.15	7.51	6.35	7.77	6.56	8.00	6.50	8.25	6.62	8.74	6.93	9.24	7.14
37.0	6.64	5.62	6.86	5.80	7.10	6.00	7.33	6.20	7.58	6.40	7.81	6.34	8.05	6.46	8.53	6.76	9.02	6.97
39.0	6.49	5.48	6.70	5.66	6.93	5.86	7.16	6.05	7.40	6.25	7.62	6.19	7.86	6.31	8.33	6.60	8.81	6.81
40.0	6.41	5.42	6.62	5.60	6.85	5.79	7.07	5.98	7.31	6.18	7.53	6.12	7.76	6.23	8.23	6.52	8.70	6.73
43.0	6.19	5.23	6.40	5.41	6.61	5.59	6.83	5.78	7.06	5.96	7.20	5.85	7.50	6.02	7.95	6.30	8.41	6.49
46.0	5.99	5.06	6.19	5.23	6.40	5.41	6.61	5.59	6.83	5.77	5.20	4.23	7.26	5.82	7.69	6.09	8.14	6.29

2-2-5. Part load performance

Indoor Unit : RAV-HM901CTP-E
Outdoor unit : RAV-GM901AT(J)P-E

	Cooling		Heating	
	Capacity(W)	Power consumption (W)	Capacity(W)	Power consumption (W)
MINIMUM	1900	300	1600	300
RATING	8000	2580	9000	2650

Q: Capacity in W

W: Power Consumption in W

Cooling

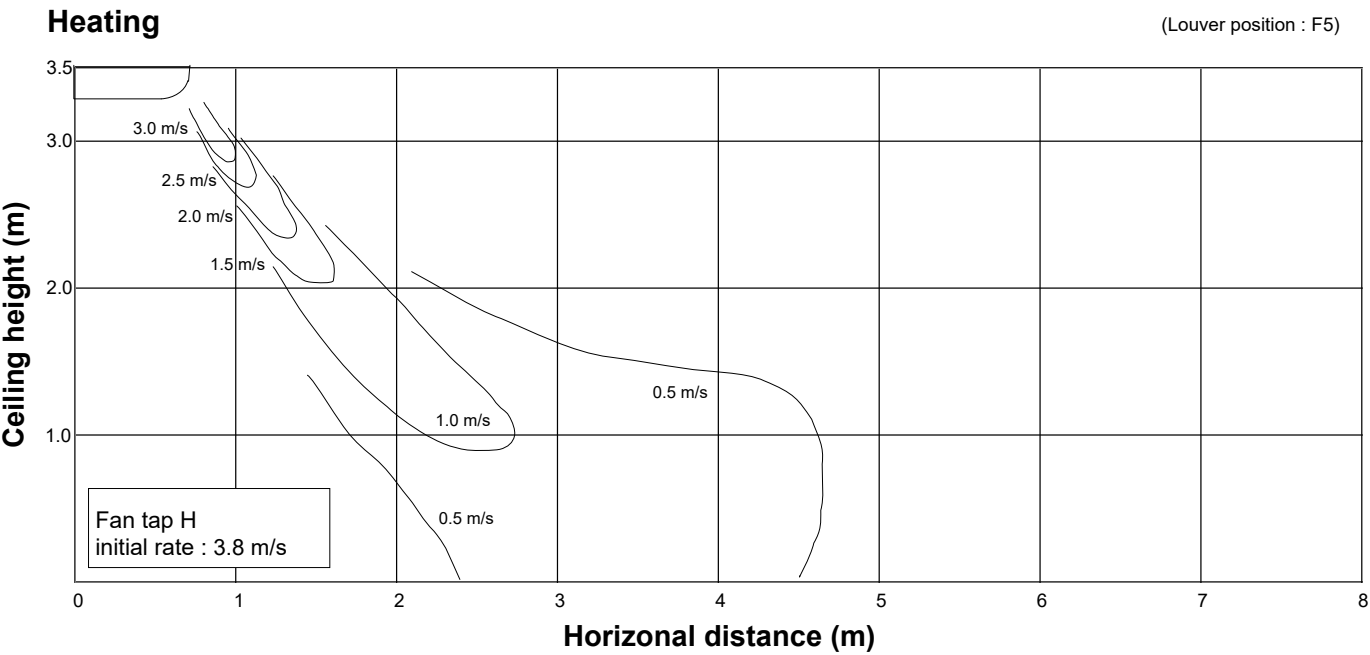
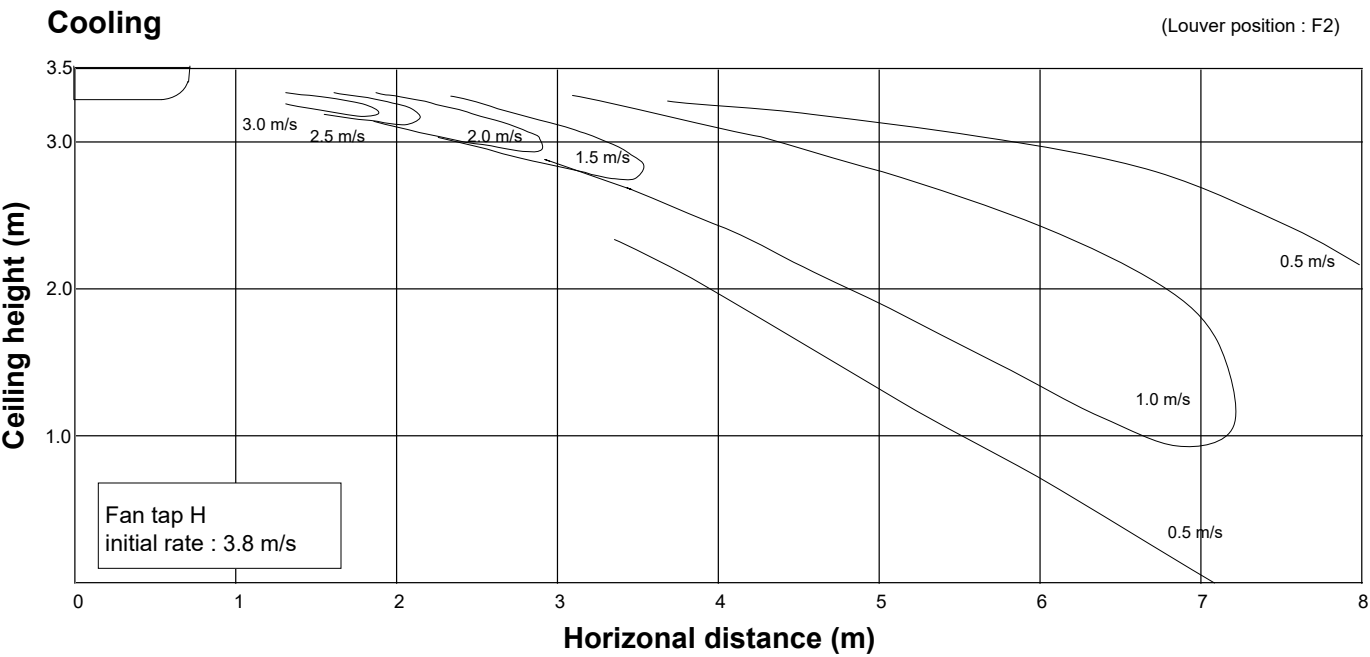
Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	5200	5200	5200	4930	4220	3520	2820	2110	1670	1670
	W	2270	2270	2270	2140	1690	1300	960	680	440	440
43	Q	7200	6550	5820	5090	4360	3640	2910	2180	1730	1730
	W	3390	2890	2390	1930	1530	1170	870	610	400	400
40	Q	7530	6780	6030	5270	4520	3770	3010	2260	1790	1790
	W	3120	2630	2170	1750	1390	1060	790	560	360	360
35	Q	8000	7200	6400	5600	4800	4000	3200	2400	1900	1900
	W	2580	2170	1790	1450	1150	880	650	460	300	300
30	Q	8500	7650	6800	5950	5100	4250	3400	2550	2020	2020
	W	2070	1740	1440	1170	920	710	520	370	240	240
25	Q	9040	8140	7240	6330	5430	4520	3620	2710	2150	2150
	W	1590	1340	1100	890	710	540	400	280	180	180
20	Q	9360	8420	7490	6550	5620	4680	3740	2810	2220	2220
	W	1140	950	790	640	510	390	290	200	130	130

Heating

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
15	Q	10850	9770	8680	7600	6510	5430	4340	3260	2170	1930
	W	2930	2460	2040	1670	1330	1040	780	570	410	330
10	Q	9710	8740	7770	6800	5830	4860	3880	2910	1940	1730
	W	2770	2330	1940	1580	1260	980	740	540	390	310
7	Q	9000	8100	7200	6300	5400	4500	3600	2700	1800	1600
	W	2650	2230	1850	1510	1200	940	710	520	370	300
5	Q	8530	7680	6830	5970	5120	4270	3410	2560	1710	1520
	W	2570	2160	1790	1460	1160	910	690	500	360	290
2	Q	6750	6080	5400	4730	4050	3380	2700	2030	1350	1200
	W	2440	2050	1700	1390	1110	870	650	480	340	280
0	Q	6570	5910	5260	4600	3940	3290	2630	1970	1310	1170
	W	2170	1820	1510	1230	980	770	580	420	300	250
-5	Q	6120	5510	4900	4280	3670	3060	2450	1840	1220	1090
	W	2120	1780	1480	1210	960	750	570	420	300	240
-7	Q	5520	4970	4410	3860	3310	2760	2210	1660	1100	980
	W	2110	1780	1470	1200	960	750	570	410	290	240
-10	Q	5060	4560	4050	3540	3040	2530	2030	1520	1010	900
	W	2010	1690	1410	1150	910	710	540	400	280	230
-15	Q	4270	3840	3410	2990	2560	2130	1710	1280	850	760
	W	1870	1580	1310	1070	850	660	500	370	260	210

2-2-6. Air Throw Distance Chart

RAV-HM901CTP-E

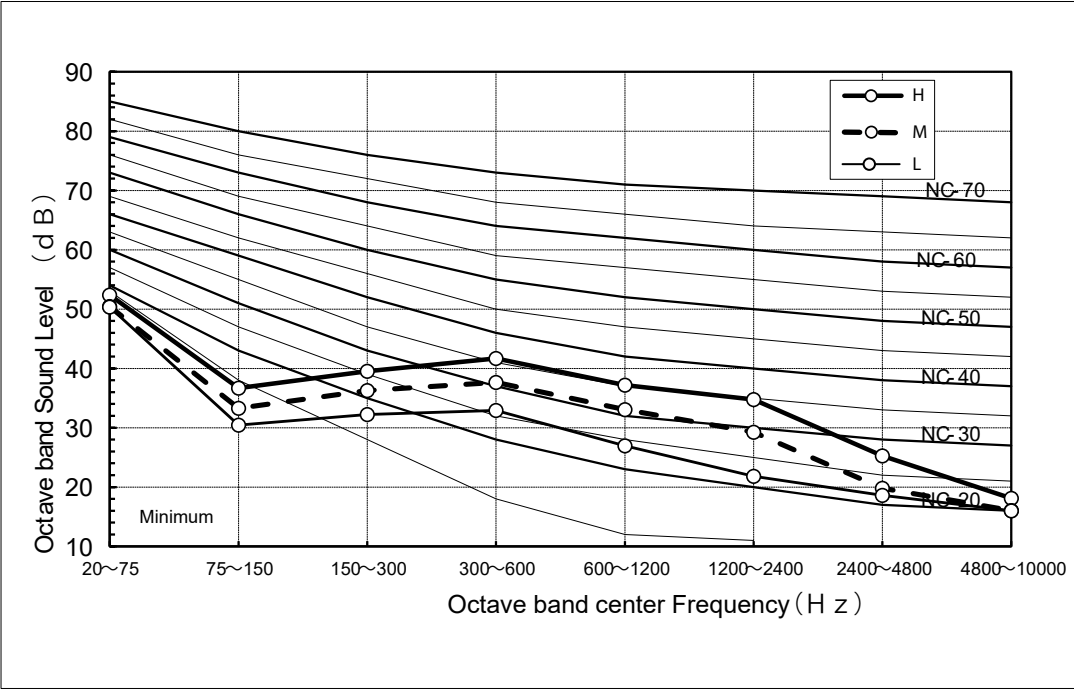


2-2-7. Sound characteristics (NC curve)

RAV-HM901CTP-E

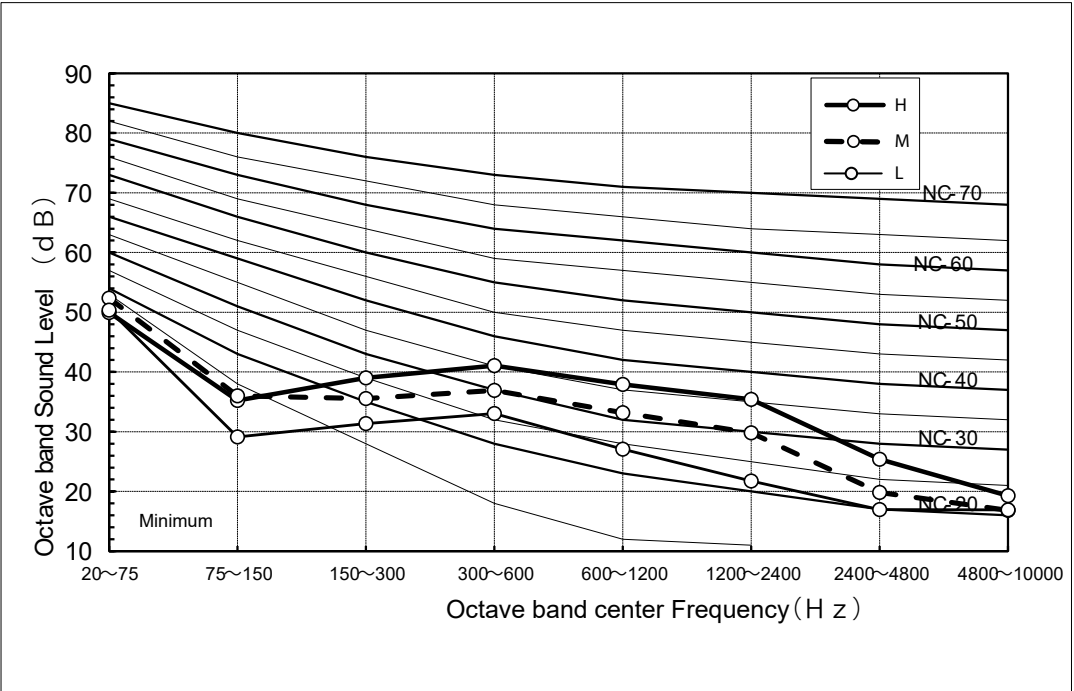
Cooling

Specification (d B)			
Fan tap	H	M	L
Sound pressure level (dB(A))	42	38	33



Heating

Specification (d B)			
Fan tap	H	M	L
Sound pressure level (dB(A))	42	38	33



2-3. Standard Duct Type

2-3-1. Specifications

2-3-2. Dimension

2-3-3. Wiring Diagrams

2-3-4. Sensible Capacity Table

2-3-5. Part Load Performance

2-3-6. Fan Static Characteristic

2-3-7. Sound Characteristics (NC Curve)

2-3-1. Specifications

Standard duct type

Model		Indoor unit		RAV-HM901BTP-E		
		Outdoor unit		RAV-GM901AT(J)P-E		
Cooling capacity				(kW)	8.0 <1.9 - 8.8 >	
Heating capacity				(kW)	9.0 <1.6 - 9.9 >	
Power supply				1 phase 220V-240V/50Hz, 1phase 220V/60Hz		
Electrical characteristics	Cooling	Running current		(A)	12.63 - 11.58	
		Power consumption		(kW)	2.67	
		EER		3.00		
		PdesignC		8.00		
		SEER		6.10		
		Energy label		A++		
	Heating	Running current		(A)	12.55 - 11.50	
		Power consumption		(kW)	2.65	
		COP		3.40		
		PdesignH (Tbiv -7°C)		6.30		
		SCOP		4.60		
		Energy label		A++		
		Maximum current		(A)	17.0	
		Indoor unit				
Appearance		Main unit		Zinc hot dipping steel plate		
		Ceiling panel	Model	-		
		(Sold separately)	Panel color	-		
Outer dimension		Main unit	Height	(mm)	275	
			Width	(mm)	1400	
			Depth	(mm)	750	
		(Sold separately)	Height	(mm)	-	
			Width	(mm)	-	
			Depth	(mm)	-	
Total weight		Main unit		(kg)	40.0	
		Ceiling panel (Sold separately)		(kg)	-	
Fan unit		Fan		Centifugal fan		
		Standard air flow	H/M/L	(m3/h)	1700 / 1300 / 1000	
		Motor		(W)	250	
Extarnal static pressure		Standard (Upper - Lower)		(Pa)	40 (120-30)	
Air filter				Standard filter (Long life filter)		
Sound pressure level			H/M/L	(dB)	37 / 33 / 30	
Sound power level			H/M/L	(dB)	52 / 48 / 45	
Connecting pipe		Drain port		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.

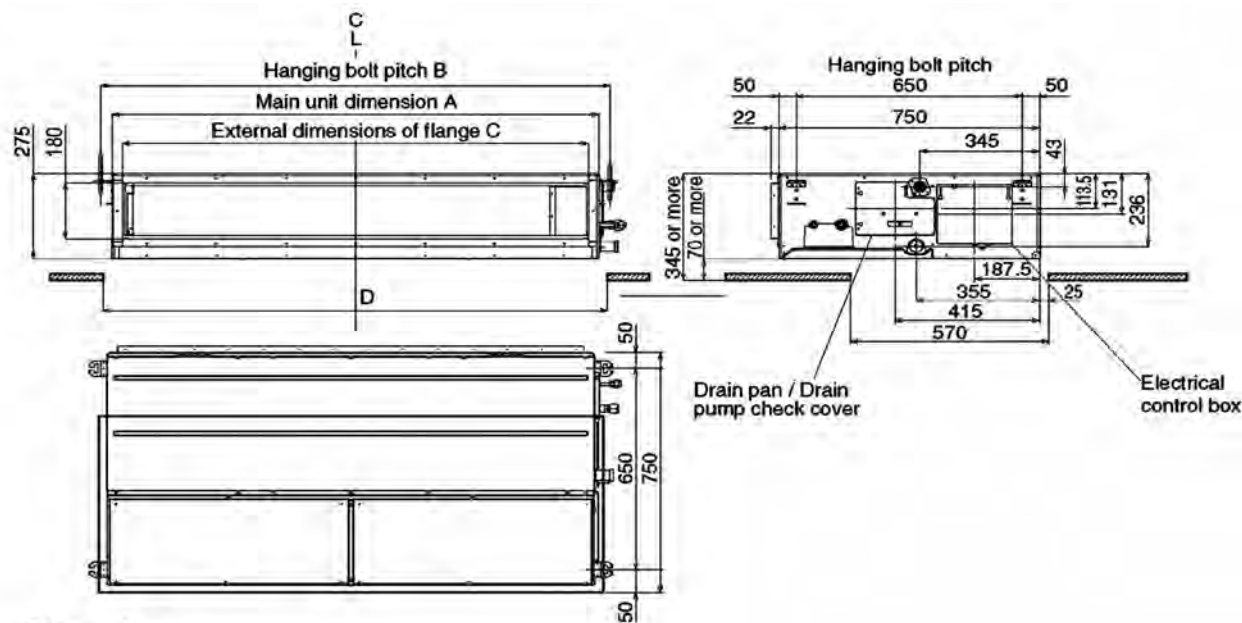
2 : The sound level are measured in an anechoic chamber in accordance with JIS B 8616. Normally, the values measured in the actual operating environment become larger than the indicated values due to the effects of external sound.

Note :

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

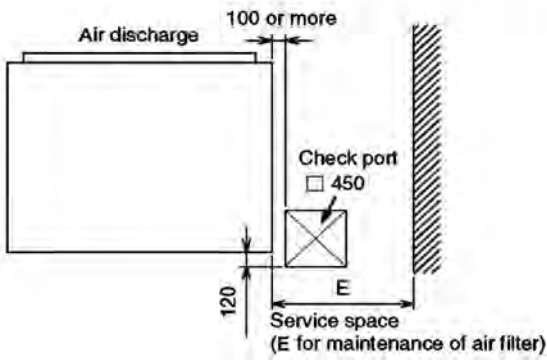
2-3-2. Dimension

RAV-HM901BTP-E



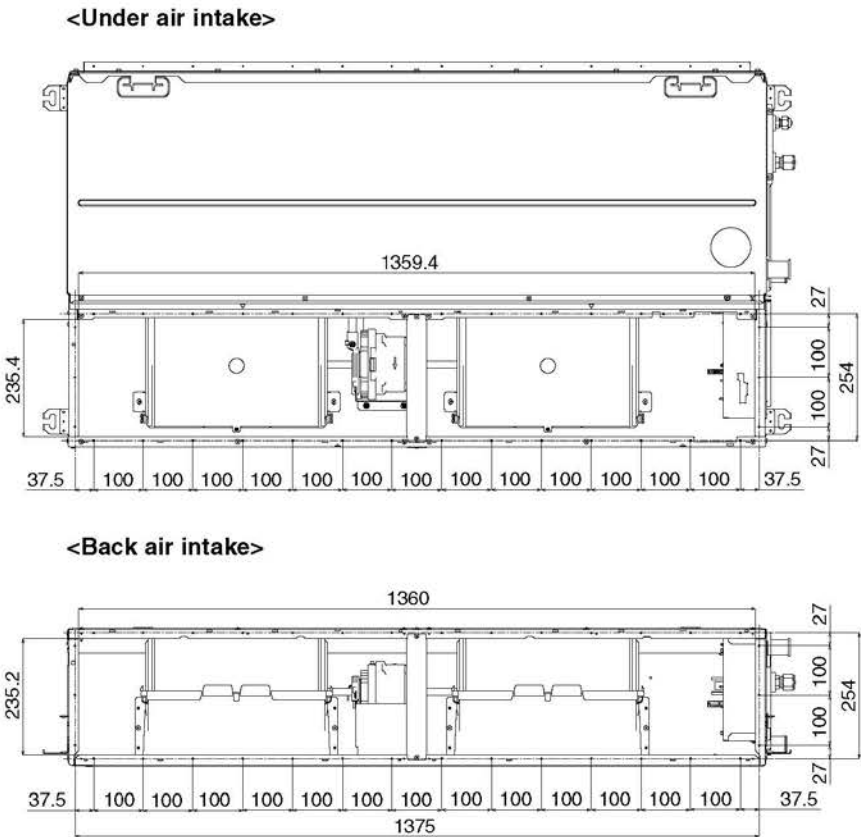
Dimension

Model	A	B	C	D
GM90 type	1400	1465	1340	1450



Model	E
GM90 type	700

Standard Duct
RAV-HM901BTP-E



2-3-3. Wiring diagrams

RAV-HM901BTP-E

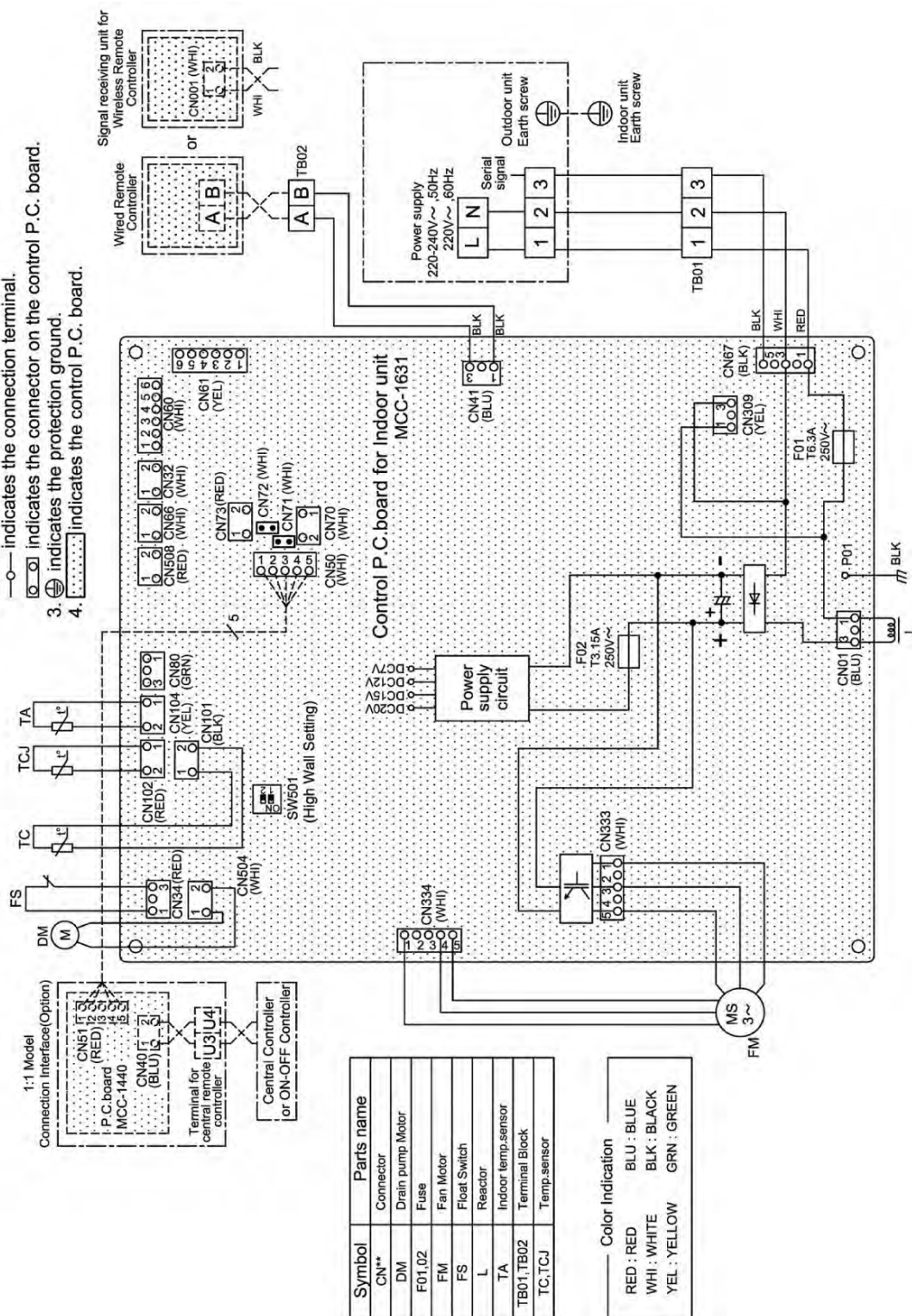
1. Broken line indicate the wiring at site.
Long dashed short dashed line indicate the accessories.

2. indicates the terminal block.

indicates the connection terminal.

3. indicates the protection ground.

4. indicates the control P.C. board.



2-3-4. Sensible Capacity Table

Product models : RAV-HM901BTP-E : RAV-GM901AT(J)P-E

Standard Condition

Indoor	27.0 °C DB / 19.0 °C WB
Outdoor	35.0 °C DB / 24.0 °C WB

Specification of product at standard condition.

Total Cooling Capacity (TC)	8.00	kW
Sensible Heat Capacity (SHC)	6.29	kW

Outdoor air temp. °C DB	Indoor Air temperature																	
	14.0 °C WB		15.0 °C WB		16.0 °C WB		17.0 °C WB		18.0 °C WB		19.0 °C WB		20.0 °C WB		22.0 °C WB		24.0 °C WB	
	20.0 °C DB		21.5 °C DB		23.0 °C DB		24.5 °C DB		26.0 °C DB		27.0 °C DB		28.0 °C DB		30.0 °C DB		32.0 °C DB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10.0	9.29	7.60	9.60	7.85	9.93	8.12	10.25	8.39	10.60	8.66	10.92	8.58	11.25	8.74	11.93	9.14	12.62	9.42
12.0	9.06	7.41	9.36	7.66	9.68	7.92	10.00	8.18	10.34	8.45	10.65	8.37	10.97	8.52	11.63	8.91	12.30	9.18
14.0	8.83	7.23	9.13	7.47	9.44	7.72	9.75	7.98	10.08	8.24	10.38	8.16	10.70	8.31	11.34	8.69	12.00	8.96
16.0	8.62	7.05	8.90	7.28	9.21	7.53	9.51	7.78	9.83	8.03	10.12	7.96	10.44	8.10	11.06	8.47	11.70	8.73
18.0	8.40	6.87	8.68	7.10	8.98	7.34	9.27	7.59	9.59	7.84	9.87	7.76	10.18	7.90	10.79	8.26	11.41	8.52
20.0	7.96	6.52	8.23	6.73	8.51	6.96	8.79	7.19	9.09	7.43	9.36	7.36	9.65	7.49	10.22	7.83	10.82	8.07
21.0	8.09	6.62	8.36	6.84	8.65	7.07	8.93	7.31	9.23	7.55	9.51	7.48	9.80	7.61	10.39	7.96	10.99	8.20
23.0	7.89	6.46	8.15	6.67	8.43	6.90	8.71	7.13	9.00	7.36	9.27	7.29	9.56	7.42	10.13	7.76	10.72	8.00
25.0	7.70	6.30	7.95	6.50	8.22	6.73	8.50	6.95	8.78	7.18	9.04	7.11	9.32	7.24	9.88	7.57	10.45	7.80
27.0	7.51	6.14	7.76	6.34	8.02	6.56	8.29	6.78	8.57	7.00	8.82	6.94	9.09	7.06	9.64	7.38	10.20	7.61
29.0	7.32	5.99	7.57	6.19	7.83	6.40	8.08	6.61	8.36	6.83	8.61	6.77	8.87	6.89	9.40	7.20	9.95	7.42
31.0	7.14	5.85	7.38	6.04	7.63	6.24	7.89	6.45	8.15	6.66	8.40	6.60	8.66	6.72	9.17	7.03	9.70	7.24
33.0	6.97	5.70	7.20	5.89	7.45	6.09	7.70	6.30	7.95	6.50	8.19	6.44	8.45	6.56	8.95	6.86	9.47	7.07
35.0	6.81	5.57	7.03	5.75	7.27	5.95	7.51	6.15	7.77	6.35	8.00	6.29	8.25	6.40	8.74	6.70	9.24	6.90
37.0	6.64	5.43	6.86	5.61	7.10	5.81	7.33	6.00	7.58	6.20	7.81	6.14	8.05	6.25	8.53	6.53	9.02	6.73
39.0	6.49	5.31	6.70	5.48	6.93	5.67	7.16	5.86	7.40	6.05	7.62	5.99	7.86	6.10	8.33	6.38	8.81	6.58
40.0	6.41	5.24	6.62	5.42	6.85	5.60	7.07	5.79	7.31	5.98	7.53	5.92	7.76	6.03	8.23	6.30	8.70	6.50
43.0	6.19	5.06	6.40	5.23	6.61	5.41	6.83	5.59	7.06	5.77	7.06	5.55	7.50	5.82	7.95	6.09	8.41	6.27
46.0	5.99	4.90	6.19	5.06	6.40	5.24	6.61	5.41	6.83	5.59	5.20	4.09	7.26	5.63	7.69	5.89	8.14	6.07

2-3-5. Part load performance

Indoor Unit : RAV-HM901BTP-E
Outdoor unit : RAV-GM901AT(J)P-E

	Cooling		Heating	
	Capacity(W)	Power consumption (W)	Capacity(W)	Power consumption (W)
MINIMUM	1900	300	1600	300
RATING	8000	2667	9000	2650

Q: Capacity in W

W: Power Consumption in W

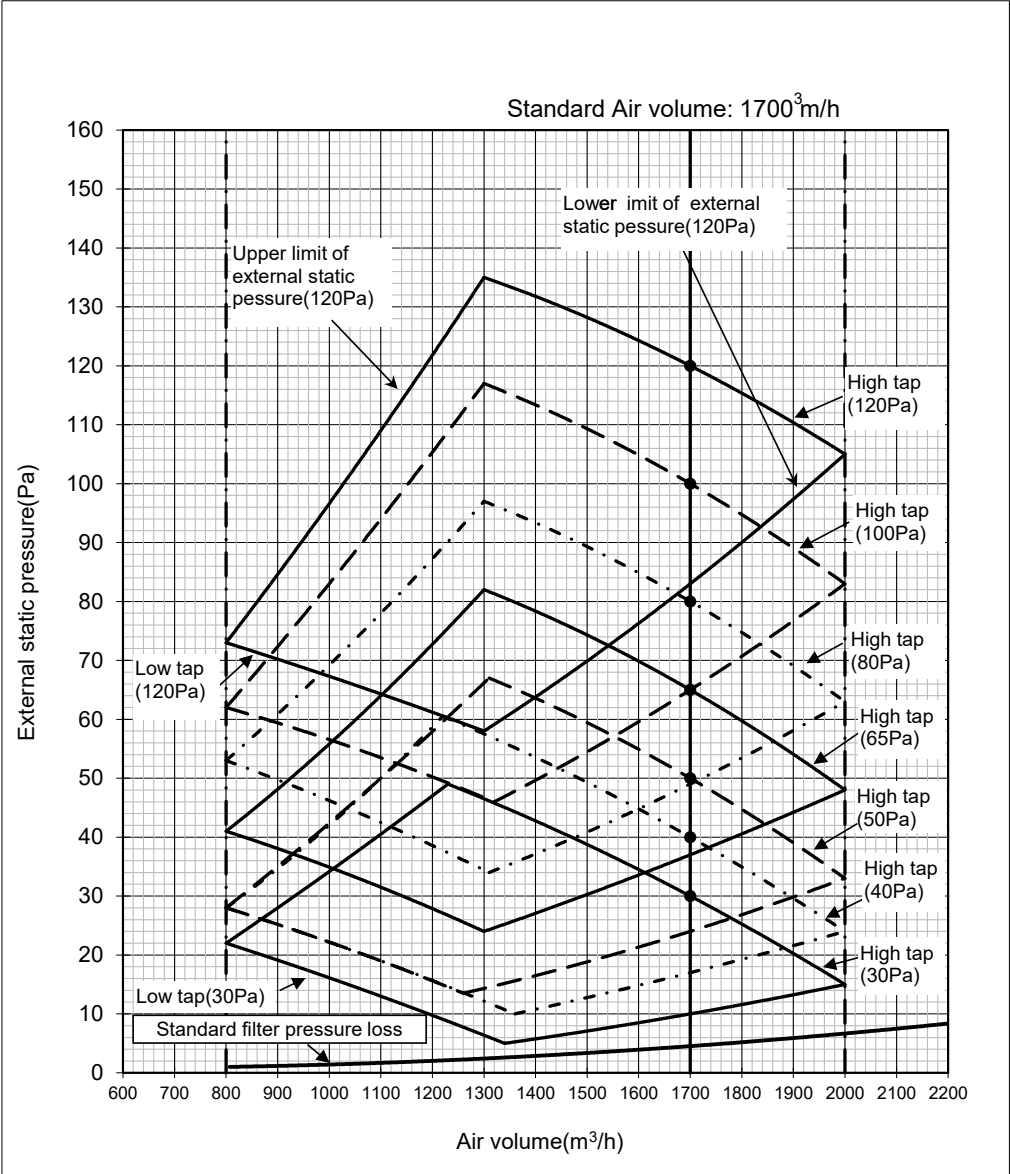
Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	5200	5200	5200	4930	4220	3520	2820	2110	1670	1670
	W	2310	2310	2310	2210	1750	1340	1000	710	440	440
43	Q	7060	6550	5820	5090	4360	3640	2910	2180	1730	1730
	W	3390	2990	2470	2000	1590	1210	910	640	400	400
40	Q	7530	6780	6030	5270	4520	3770	3010	2260	1790	1790
	W	3230	2710	2240	1820	1440	1100	820	580	360	360
35	Q	8000	7200	6400	5600	4800	4000	3200	2400	1900	1900
	W	2667	2240	1850	1500	1190	910	680	480	300	300
30	Q	8500	7650	6800	5950	5100	4250	3400	2550	2020	2020
	W	2140	1800	1490	1210	960	730	550	390	240	240
25	Q	9040	8140	7240	6330	5430	4520	3620	2710	2150	2150
	W	1640	1380	1140	920	730	560	420	300	180	180
20	Q	9360	8420	7490	6550	5620	4680	3740	2810	2220	2220
	W	1170	990	810	660	520	400	300	210	130	130

Heating

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
15	Q	10850	9770	8680	7600	6510	5430	4340	3260	2170	1930
	W	2930	2460	2040	1670	1330	1040	780	570	410	330
10	Q	9710	8740	7770	6800	5830	4860	3880	2910	1940	1730
	W	2770	2330	1940	1580	1260	980	740	540	390	310
7	Q	9000	8100	7200	6300	5400	4500	3600	2700	1800	1600
	W	2650	2230	1850	1510	1200	940	710	520	370	300
5	Q	8530	7680	6830	5970	5120	4270	3410	2560	1710	1520
	W	2570	2160	1790	1460	1160	910	690	500	360	290
2	Q	6750	6080	5400	4730	4050	3380	2700	2030	1350	1200
	W	2440	2050	1700	1390	1110	870	650	480	340	280
0	Q	6570	5910	5260	4600	3940	3290	2630	1970	1310	1170
	W	2170	1820	1510	1230	980	770	580	420	300	250
-5	Q	6120	5510	4900	4280	3670	3060	2450	1840	1220	1090
	W	2120	1780	1480	1210	960	750	570	420	300	240
-7	Q	5520	4970	4410	3860	3310	2760	2210	1660	1100	980
	W	2110	1780	1470	1200	960	750	570	410	290	240
-10	Q	5060	4560	4050	3540	3040	2530	2030	1520	1010	900
	W	2010	1690	1410	1150	910	710	540	400	280	230
-15	Q	4270	3840	3410	2990	2560	2130	1710	1280	850	760
	W	1870	1580	1310	1070	850	660	500	370	260	210

2-3-6. Fan Static Characteristic

RAV-HM901BTP-E

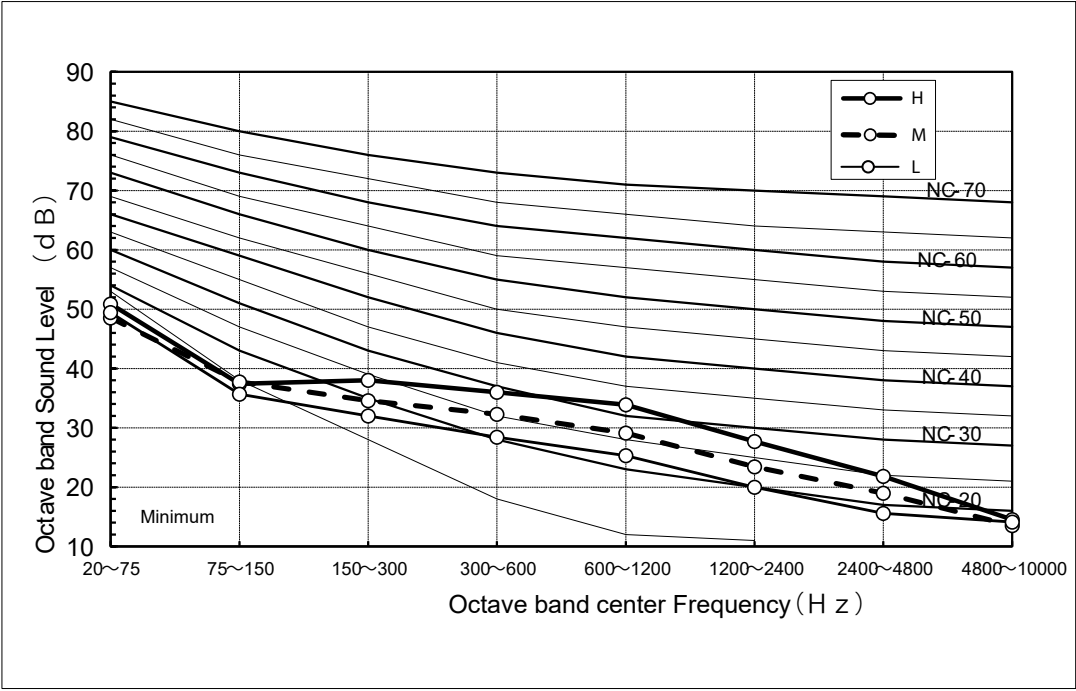


2-3-7. Sound Characteristics (NC curve)

RAV-HM901BTP-E

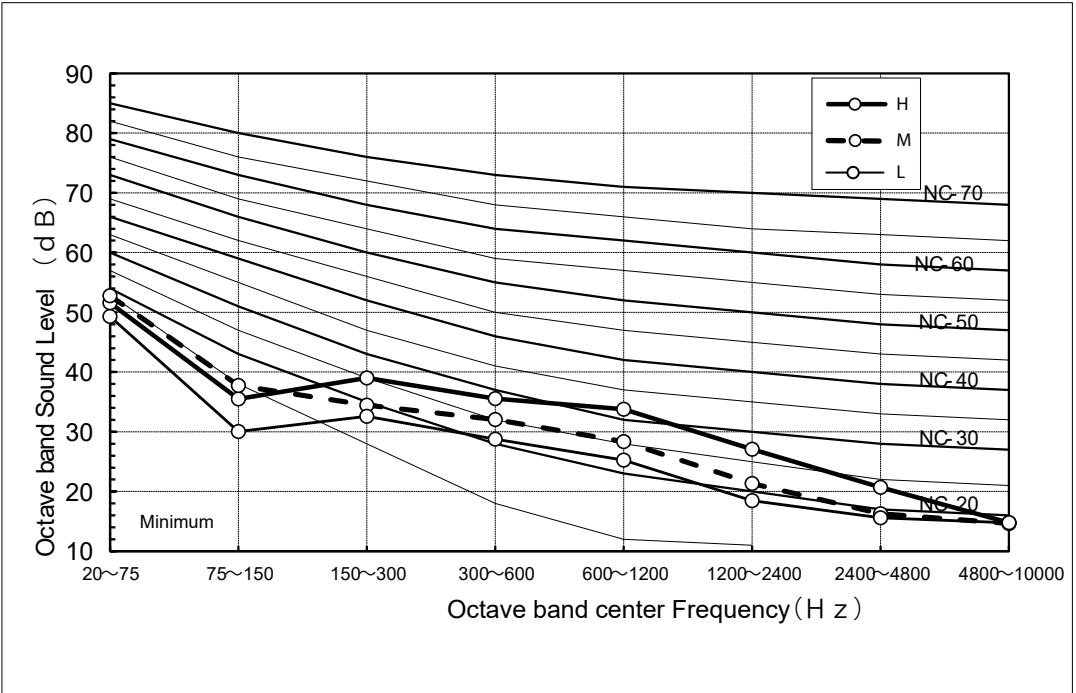
Cooling

Specification (d B)			
Fan tap	H	M	L
Sound pressure level (dB(A))	37	33	30



Heating

Specification (d B)			
Fan tap	H	M	L
Sound pressure level (dB(A))	37	33	30



2-4. High-wall Type

2-4-1. Specifications

2-4-2. Dimension

2-4-3. Wiring Diagrams

2-4-4. Sensible Capacity Table

2-4-5. Part Load Performance

2-4-6. Air Throw Distance Chart

2-4-7. Sound Characteristics (NC Curve)

2-4-1. Specifications

High wall type

Model			Indoor unit		RAV-HM901KRTP-E	
			Outdoor unit		RAV-GM901AT(J)P-E	
Cooling capacity			(kW)		8.0 <1.9 - 8.8 >	
Heating capacity			(kW)		9.0 <1.6 - 9.9 >	
Power supply					1 phase 220V-240V/50Hz, 1phase 220V/60Hz	
Electrical characteristics	Cooling	Running current		(A)	12.63 - 11.58	
		Power consumption		(kW)	2.67	
		EER			3.00	
		PdesignC			8.00	
		SEER			6.10	
		Energy label			A++	
	Heating	Running current		(A)	13.73 - 12.59	
		Power consumption		(kW)	2.90	
		COP			3.10	
		PdesignH (Tbiv -7°C)			6.30	
		SCOP			4.10	
		Energy label			A+	
		Maximum current		(A)	17.0	
Indoor unit						
Appearance		Main unit		Pure white		
		Ceiling panel	Model	-		
		(Sold separately)	Panel color	-		
Outer dimension		Main unit	Height	(mm)	320	
			Width	(mm)	1050	
			Depth	(mm)	250	
		(Sold separately)	Height	(mm)	-	
			Width	(mm)	-	
			Depth	(mm)	-	
Total weight		Main unit		(kg)	14.0	
		Ceiling panel (Sold separately)		(kg)	-	
Fan unit		Fan		Cross flow fan		
		Standard air flow	H/M/L	(m3/h)	1180 / 830 / 680	
		Motor		(W)	30	
External static pressure		Standard (Upper - Lower)		(Pa)	-	
Air filter					Standard filter (Long life filter)	
Sound pressure level			H/M/L	(dB)	47 / 41 / 35	
Sound power level			H/M/L	(dB)	62 / 56 / 50	
Connecting pipe		Drain port		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.

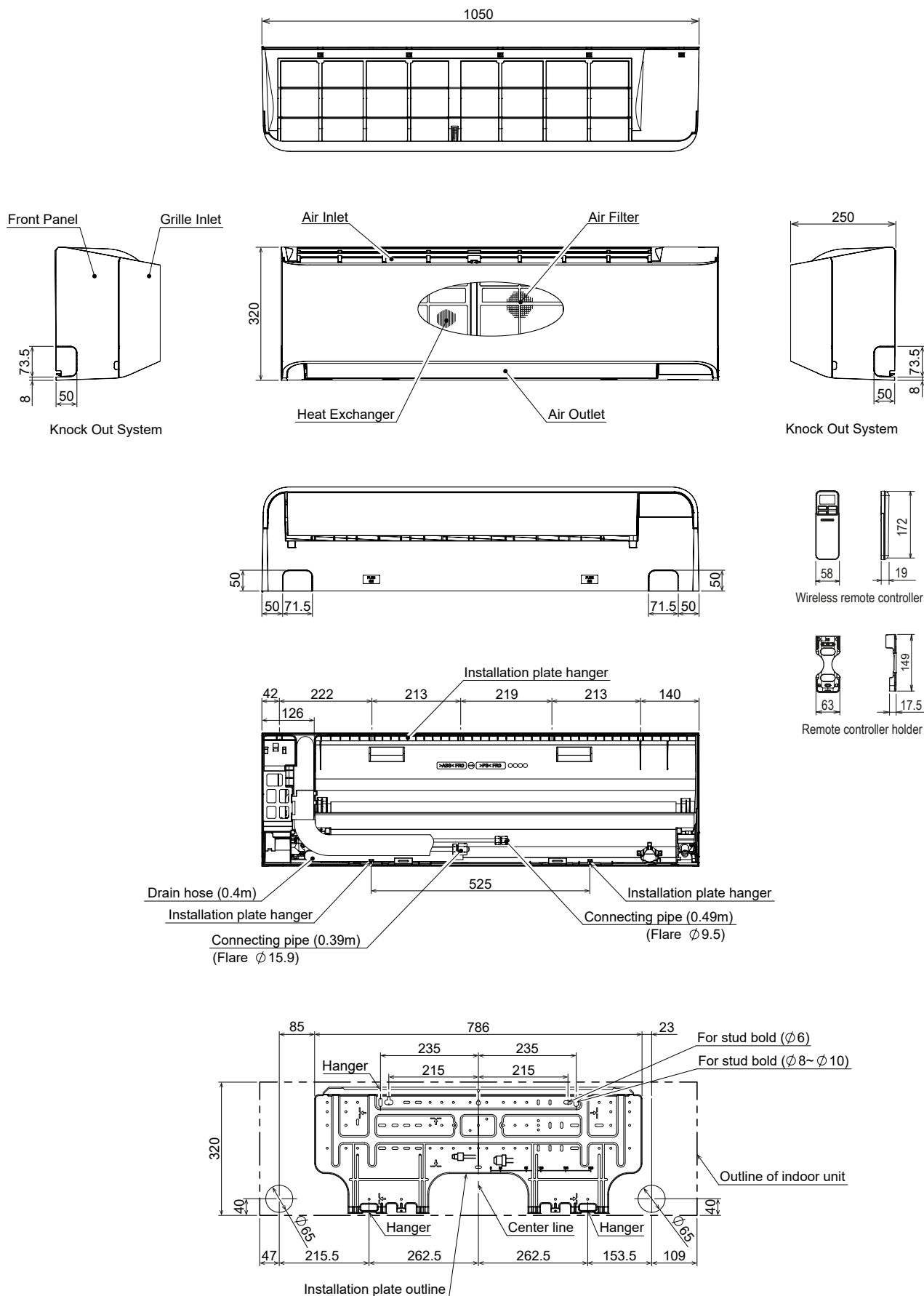
2 : The sound level are measured in an anechoic chamber in accordance with JIS B 8616. Normally, the values measured in the actual operating environment become larger than the indicated values due to the effects of external sound.

Note :

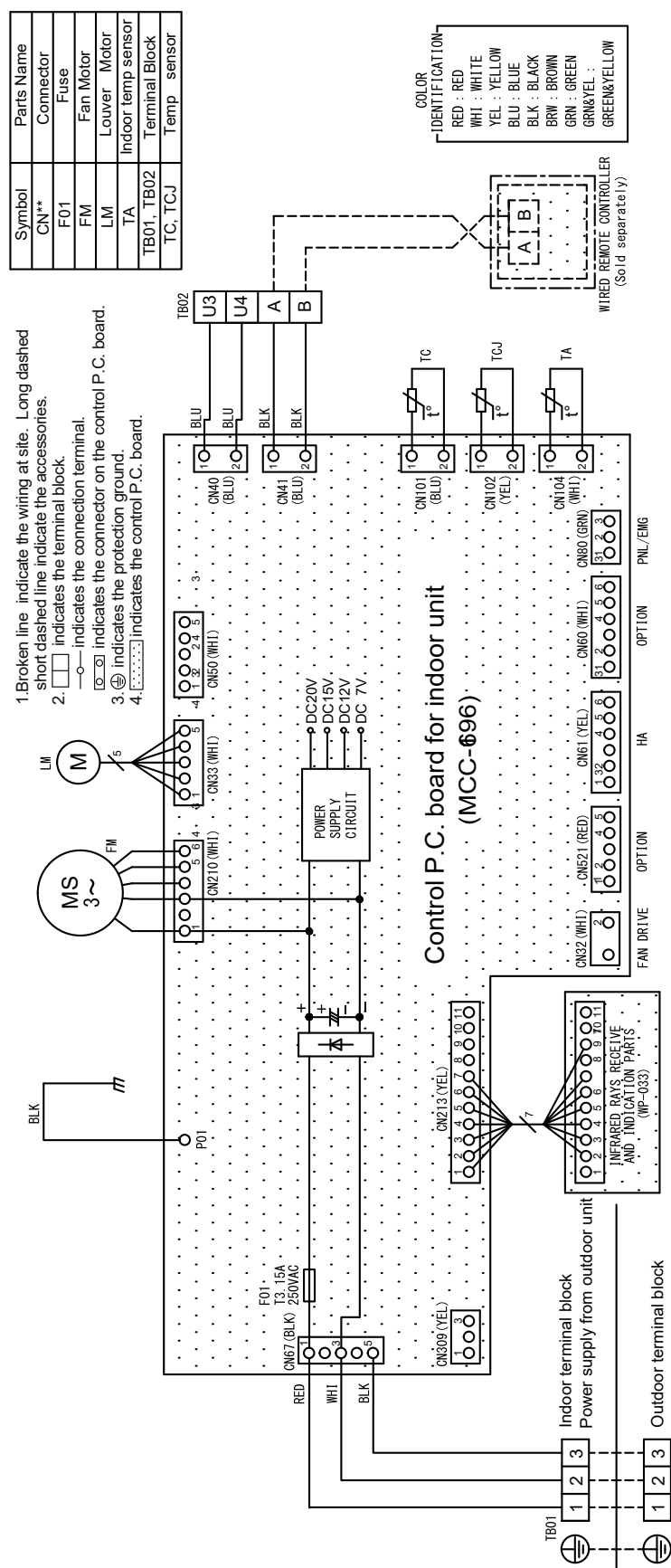
Rated conditions Cooling : Indoor air temperature 27°C DB/19°C WB, Outdoor air temperature 35°C DB

2-4-2. Dimension

RAV-HM901KRTP-E



2-4-3. Wiring diagrams

RAV-HM901KRTP-E

2-4-4. Sensible Capacity Table

Product models : RAV-HM901KRTP-E : RAV-GM901AT(J)P-E

Standard Condition

Indoor	27.0 °C DB / 19.0 °C WB
Outdoor	35.0 °C DB / 24.0 °C WB

Specification of product at standard condition.

Total Cooling Capacity (TC)	8.00	kW
Sensible Heat Capacity (SHC)	5.44	kW

	Indoor Air temperature																	
Outdoor air temp.	14.0 °C WB		15.0 °C WB		16.0 °C WB		17.0 °C WB		18.0 °C WB		19.0 °C WB		20.0 °C WB		22.0 °C WB		24.0 °C WB	
	20.0 °C DB		21.5 °C DB		23.0 °C DB		24.5 °C DB		26.0 °C DB		27.0 °C DB		28.0 °C DB		30.0 °C DB		32.0 °C DB	
	°C DB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
10.0	9.29	6.57	9.60	6.79	9.93	7.02	10.25	7.25	10.60	7.49	10.92	7.42	11.25	7.54	11.93	7.87	12.62	8.08
12.0	9.06	6.41	9.36	6.62	9.68	6.85	10.00	7.07	10.34	7.31	10.65	7.24	10.97	7.35	11.63	7.68	12.30	7.88
14.0	8.83	6.25	9.13	6.46	9.44	6.68	9.75	6.90	10.08	7.13	10.38	7.06	10.70	7.17	11.34	7.48	12.00	7.68
16.0	8.62	6.10	8.90	6.30	9.21	6.51	9.51	6.73	9.83	6.95	10.12	6.88	10.44	6.99	11.06	7.30	11.70	7.49
18.0	8.40	5.94	8.68	6.14	8.98	6.35	9.27	6.56	9.59	6.78	9.87	6.71	10.18	6.82	10.79	7.12	11.41	7.30
20.0	7.96	5.64	8.23	5.82	8.51	6.02	8.79	6.22	9.09	6.42	9.36	6.36	9.65	6.46	10.22	6.75	10.82	6.92
21.0	8.09	5.72	8.36	5.91	8.65	6.12	8.93	6.32	9.23	6.53	9.51	6.47	9.80	6.57	10.39	6.86	10.99	7.03
23.0	7.89	5.58	8.15	5.77	8.43	5.96	8.71	6.16	9.00	6.36	9.27	6.31	9.56	6.40	10.13	6.69	10.72	6.86
25.0	7.70	5.45	7.95	5.63	8.22	5.82	8.50	6.01	8.78	6.21	9.04	6.15	9.32	6.25	9.88	6.52	10.45	6.69
27.0	7.51	5.31	7.76	5.49	8.02	5.67	8.29	5.86	8.57	6.06	8.82	6.00	9.09	6.09	9.64	6.36	10.20	6.53
29.0	7.32	5.18	7.57	5.35	7.83	5.54	8.08	5.72	8.36	5.91	8.61	5.85	8.87	5.94	9.40	6.20	9.95	6.37
31.0	7.14	5.06	7.38	5.22	7.63	5.40	7.89	5.58	8.15	5.76	8.40	5.71	8.66	5.80	9.17	6.05	9.70	6.21
33.0	6.97	4.93	7.20	5.10	7.45	5.27	7.70	5.44	7.95	5.62	8.19	5.57	8.45	5.66	8.95	5.91	9.47	6.06
35.0	6.81	4.82	7.03	4.98	7.27	5.15	7.51	5.32	7.77	5.49	8.00	5.44	8.25	5.53	8.74	5.77	9.24	5.92
37.0	6.64	4.70	6.86	4.85	7.10	5.02	7.33	5.19	7.58	5.36	7.81	5.31	8.05	5.39	8.53	5.63	9.02	5.78
39.0	6.49	4.59	6.70	4.74	6.93	4.90	7.16	5.07	7.40	5.23	7.62	5.18	7.86	5.26	8.33	5.50	8.81	5.64
40.0	6.41	4.54	6.62	4.68	6.85	4.84	7.07	5.01	7.31	5.17	7.53	5.12	7.76	5.20	8.23	5.43	8.70	5.57
43.0	6.19	4.38	6.40	4.52	6.61	4.68	6.83	4.83	7.06	4.99	6.98	4.75	7.50	5.02	7.95	5.24	8.41	5.38
46.0	5.99	4.24	6.19	4.38	6.40	4.53	6.61	4.68	6.83	4.83	5.20	3.54	7.26	4.86	7.69	5.08	8.14	5.21

2-4-5. Part load performance

Indoor Unit : RAV-HM901KRTP-E
Outdoor unit : RAV-GM901AT(J)P-E

	Cooling		Heating	
	Capacity(W)	Power consumption (W)	Capacity(W)	Power consumption (W)
MINIMUM	1900	300	1600	300
RATING	8000	2667	9000	2900

Cooling

Q: Capacity in W

W: Power Consumption in W

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	5200	5200	5200	4930	4220	3520	2820	2110	1670	1670
	W	2180	2180	2180	2210	1750	1340	1000	710	440	440
43	Q	6980	6550	5820	5090	4360	3640	2910	2180	1730	1730
	W	3320	2990	2470	2000	1590	1210	910	640	400	400
40	Q	7530	6780	6030	5270	4520	3770	3010	2260	1790	1790
	W	3230	2710	2240	1820	1440	1100	820	580	360	360
35	Q	8000	7200	6400	5600	4800	4000	3200	2400	1900	1900
	W	2667	2240	1850	1500	1190	910	680	480	300	300
30	Q	8500	7650	6800	5950	5100	4250	3400	2550	2020	2020
	W	2140	1800	1490	1210	960	730	550	390	240	240
25	Q	9040	8140	7240	6330	5430	4520	3620	2710	2150	2150
	W	1640	1380	1140	920	730	560	420	300	180	180
20	Q	9360	8420	7490	6550	5620	4680	3740	2810	2220	2220
	W	1170	990	810	660	520	400	300	210	130	130

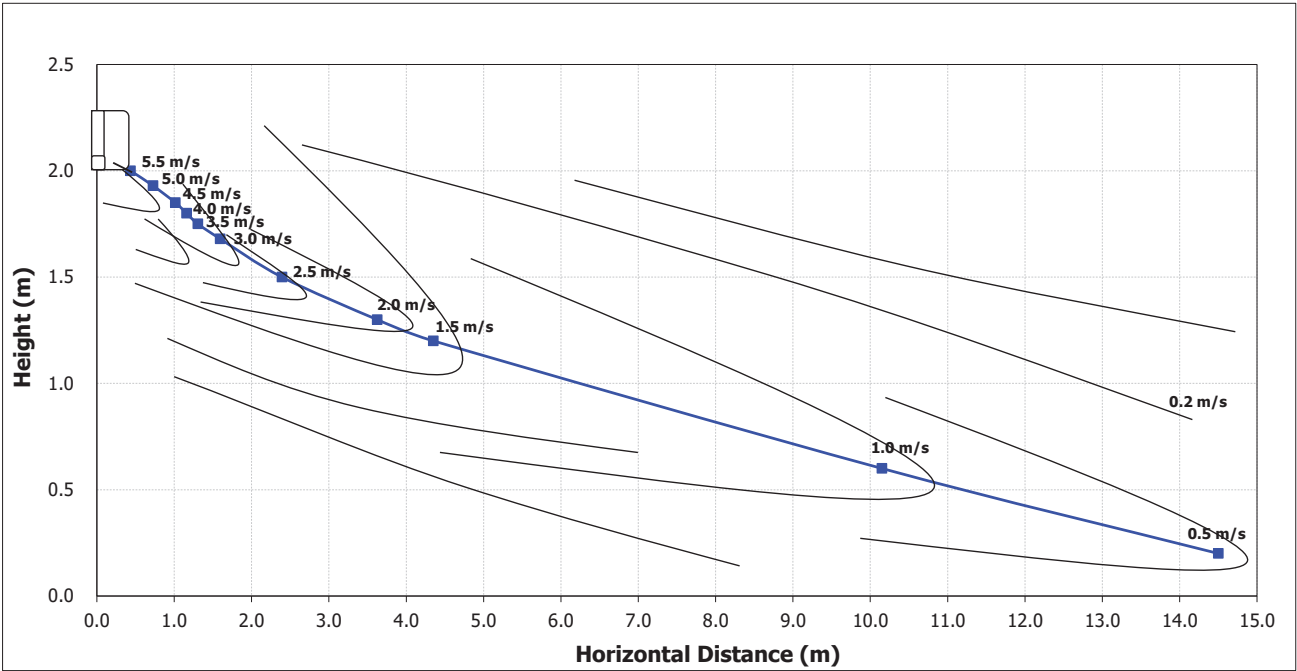
Heating

Outdoor temperature(°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
15	Q	10850	9770	8680	7600	6510	5430	4340	3260	2170	1930
	W	3200	2700	2230	1820	1460	1130	860	630	440	330
10	Q	9710	8740	7770	6800	5830	4860	3880	2910	1940	1730
	W	3040	2550	2110	1730	1380	1070	820	600	420	310
7	Q	9000	8100	7200	6300	5400	4500	3600	2700	1800	1600
	W	2900	2440	2020	1650	1320	1020	780	570	400	300
5	Q	8530	7680	6830	5970	5120	4270	3410	2560	1710	1520
	W	2810	2360	1960	1600	1280	990	760	550	390	290
2	Q	6750	6080	5400	4730	4050	3380	2700	2030	1350	1200
	W	2670	2250	1860	1520	1220	940	720	520	370	280
0	Q	6570	5910	5260	4600	3940	3290	2630	1970	1310	1170
	W	2370	1990	1650	1350	1080	830	640	470	330	250
-5	Q	6120	5510	4900	4280	3670	3060	2450	1840	1220	1090
	W	2320	1950	1620	1320	1060	820	620	460	320	240
-7	Q	5520	4970	4410	3860	3310	2760	2210	1660	1100	980
	W	2310	1940	1610	1320	1050	810	620	450	320	240
-10	Q	5060	4560	4050	3540	3040	2530	2030	1520	1010	900
	W	2200	1850	1540	1250	1000	780	590	430	300	230
-15	Q	4270	3840	3410	2990	2560	2130	1710	1280	850	760
	W	2050	1730	1430	1170	930	720	550	400	280	210

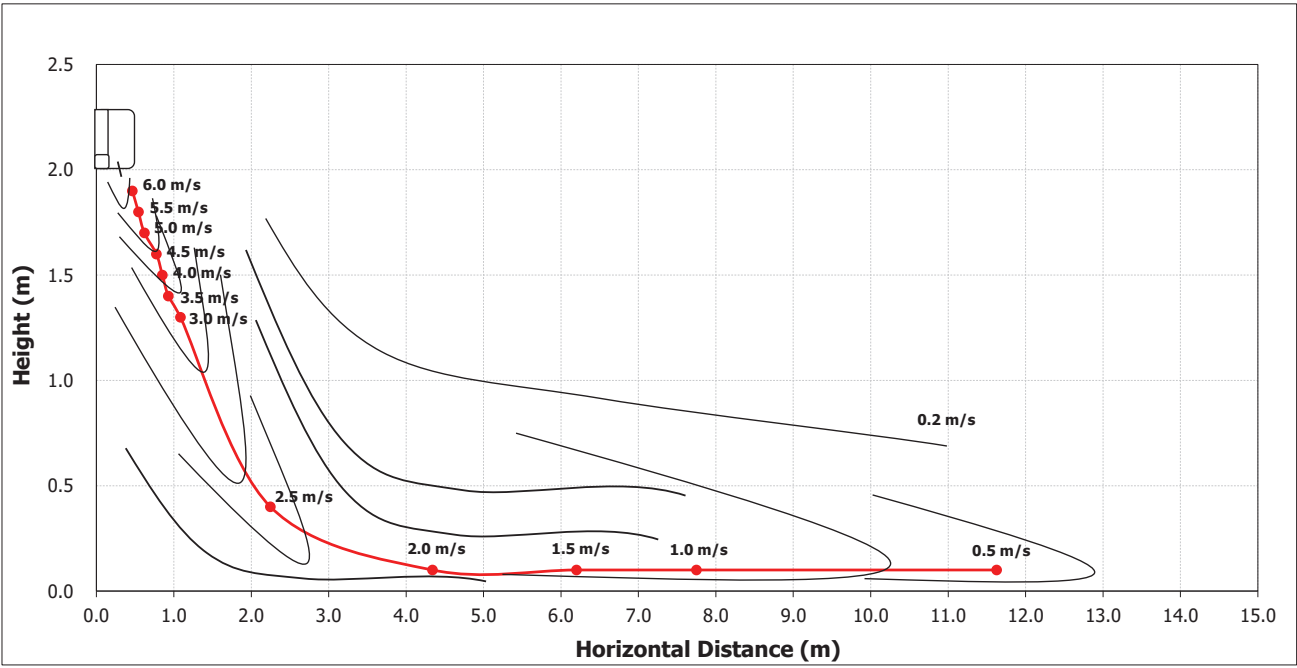
2-4-6. Air Speed Distribution

RAV-HM901KRTP-E

Cooling



Heating

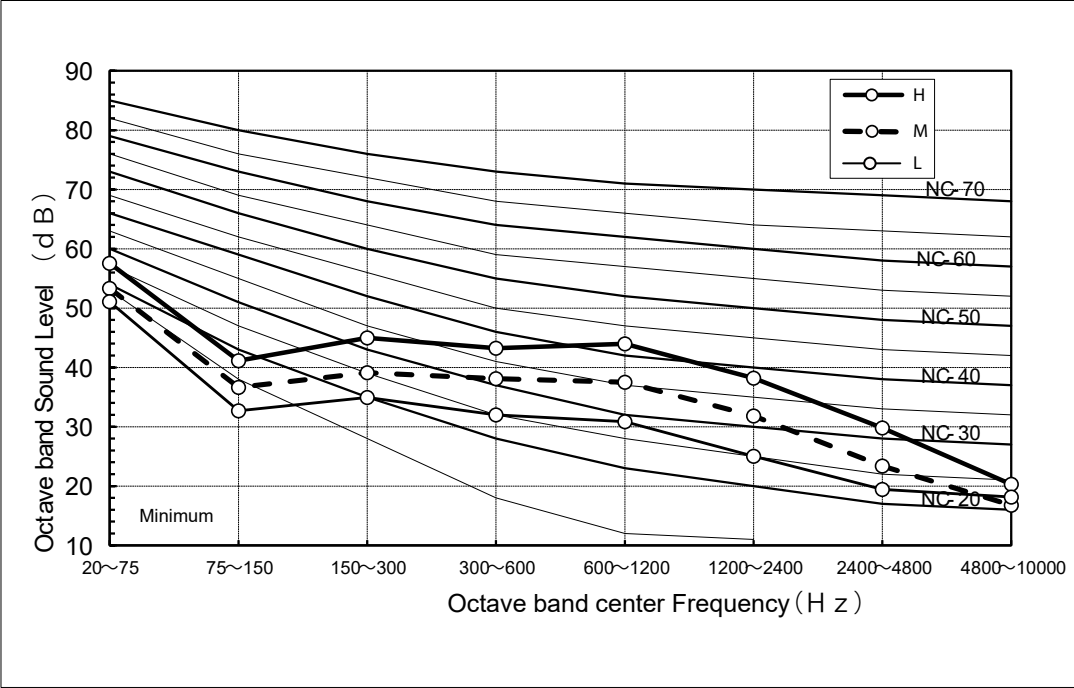


2-4-7. Sound Characteristics (NC curve)

RAV-HM901KRTP-E

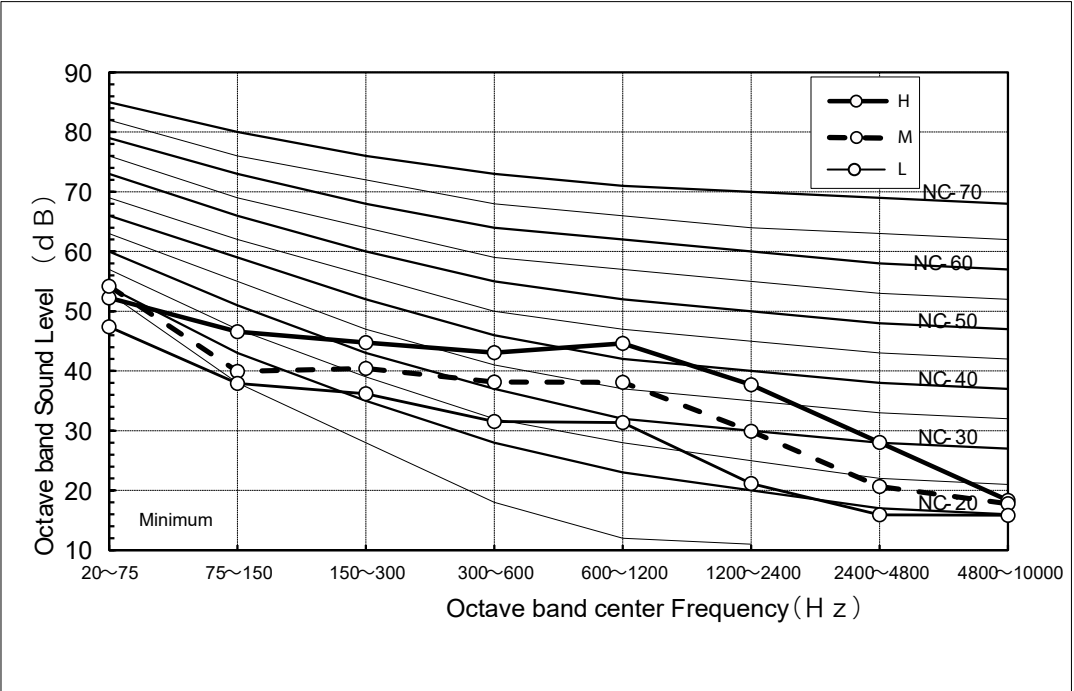
Cooling

Specification (d B)			
Fan tap	H	M	L
Sound pressure level (dB(A))	47	41	35



Heating

Specification (d B)			
Fan tap	H	M	L
Sound pressure level (dB(A))	47	41	35



3. Outdoor Unit

3-1. Specifications

3-2. Dimension

3-3. Wiring Diagrams

3-4. Refrigerant Cycle Diagram

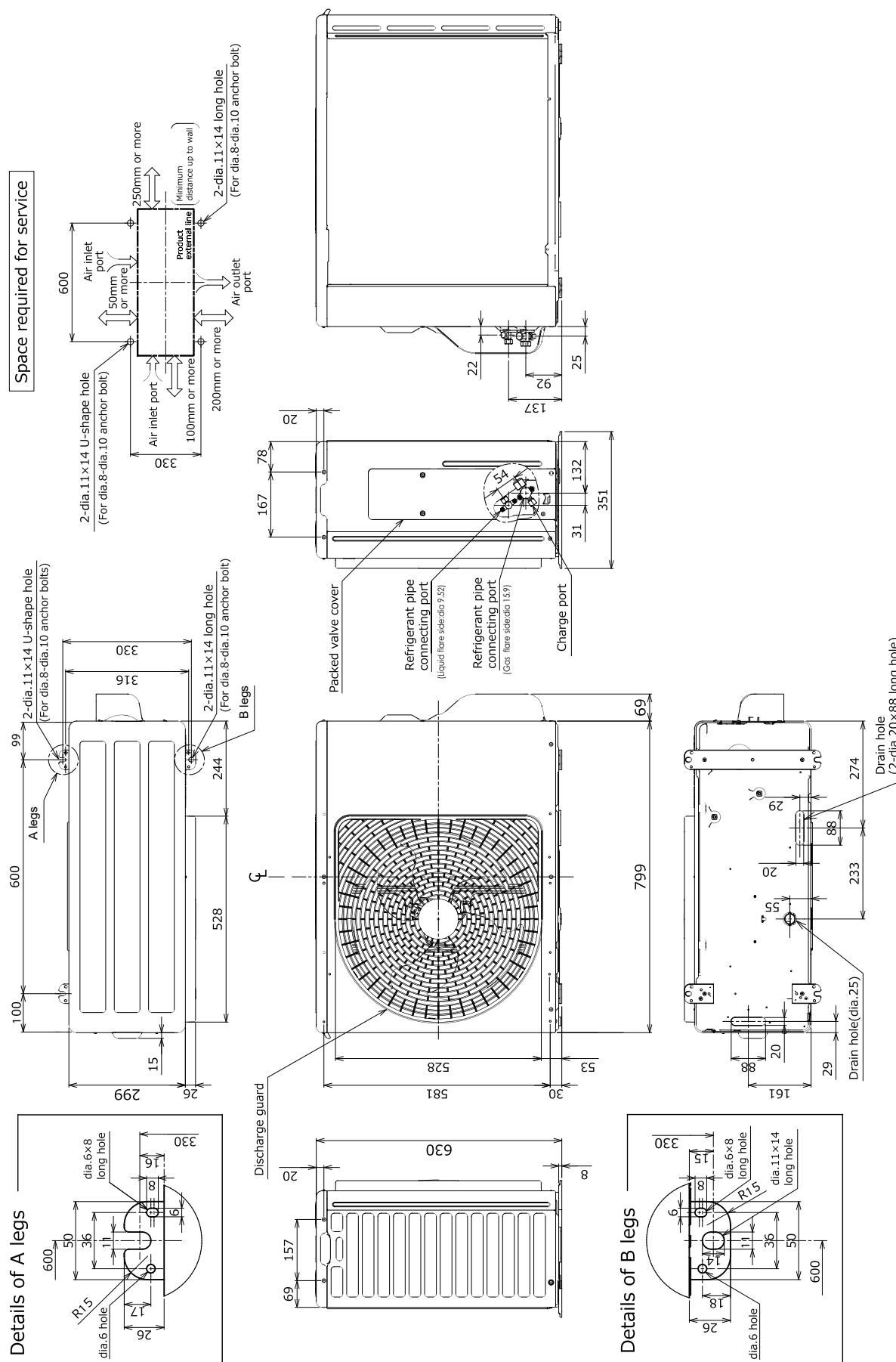
3-5. Sound Characteristic

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

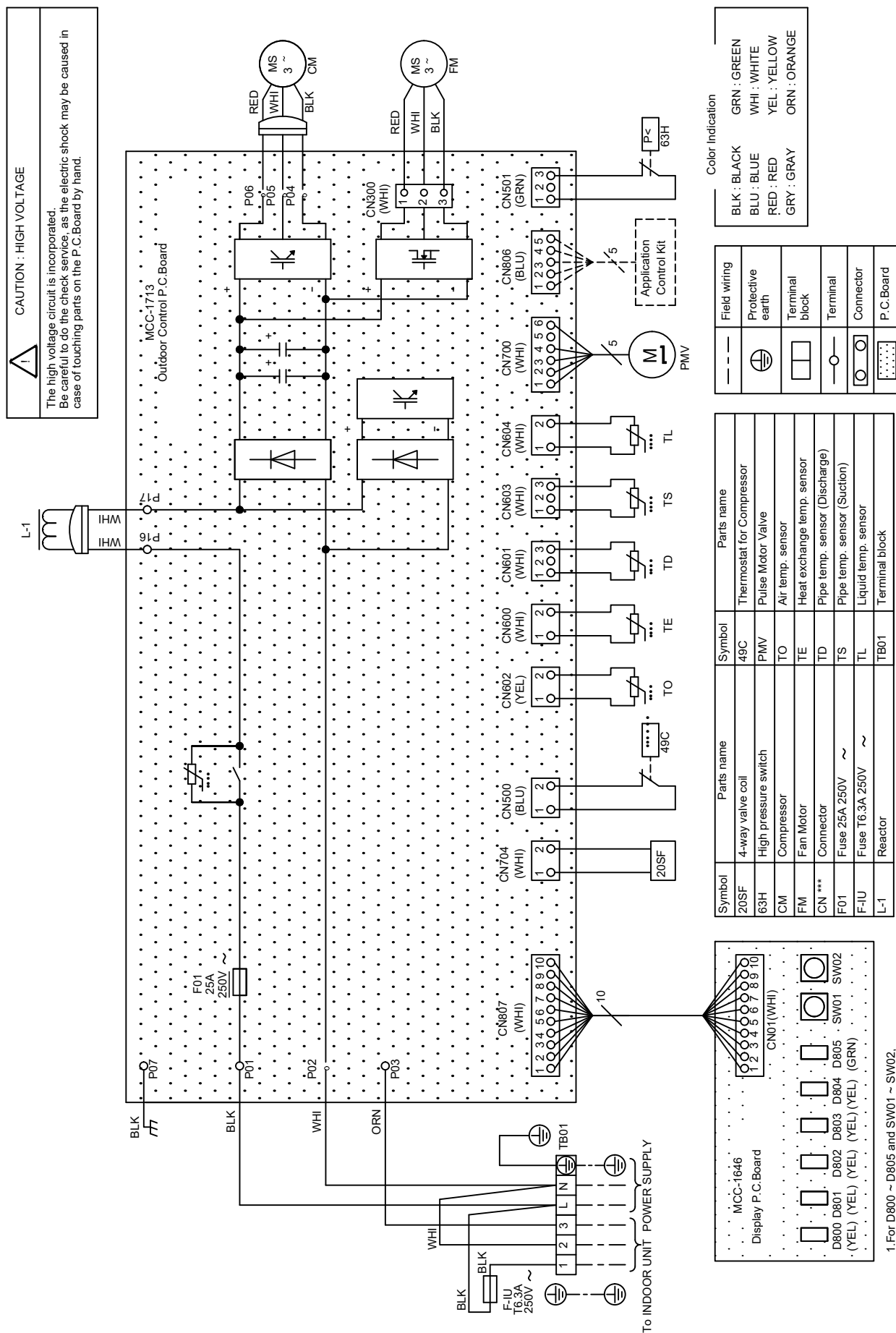
3-1 Specification

Model name	Outdoor unit		RAV-GM901AT(J)P-E	
Power supply			1 phase 220-240V, 50Hz 1 phase 220V, 60Hz (Power exclusive to outdoor is required.)	
Compressor	Type		Hermetic compressor	
	Motor	(kW)	1.5	
	Pole		6	
Refrigerant charged			(kg)	2.0
Refrigerant control			Pulse motor valve	
Inter connecting pipe	Standard length		(m)	7.5
	Min. length		(m)	5
	Max. total length		(m)	50
	Additional refrigerant charge under long piping connector		35 g/m (21m to 50m)	
	Height difference	Outdoor lower	(m)	30
		Outdoor higher	(m)	30
Outer dimension	Height		(mm)	630
	Width		(mm)	800
	Depth		(mm)	300
Appearance			Silky shade (Muncel 1Y8.5/0.5)	
Total weight			(kg)	47
Heat exchanger			Finned tube	
Fan unit	Fan		Propeller fan	
	Standard air flow high		(m3/min.)	48.3
	Motor		(W)	71
Connecting pipe	Gas side		(mm)	15.88
	Liquid side		(mm)	9.52
Sound pressure level			Cooling/Heating (dB·A)	51/52
Sound power level			Cooling/Heating (dB·A)	68/69
Outside air temperature, Cooling			°C	-15 to 46
Outside air temperature, Heating			°C	-15 to 15

3-2. Dimension

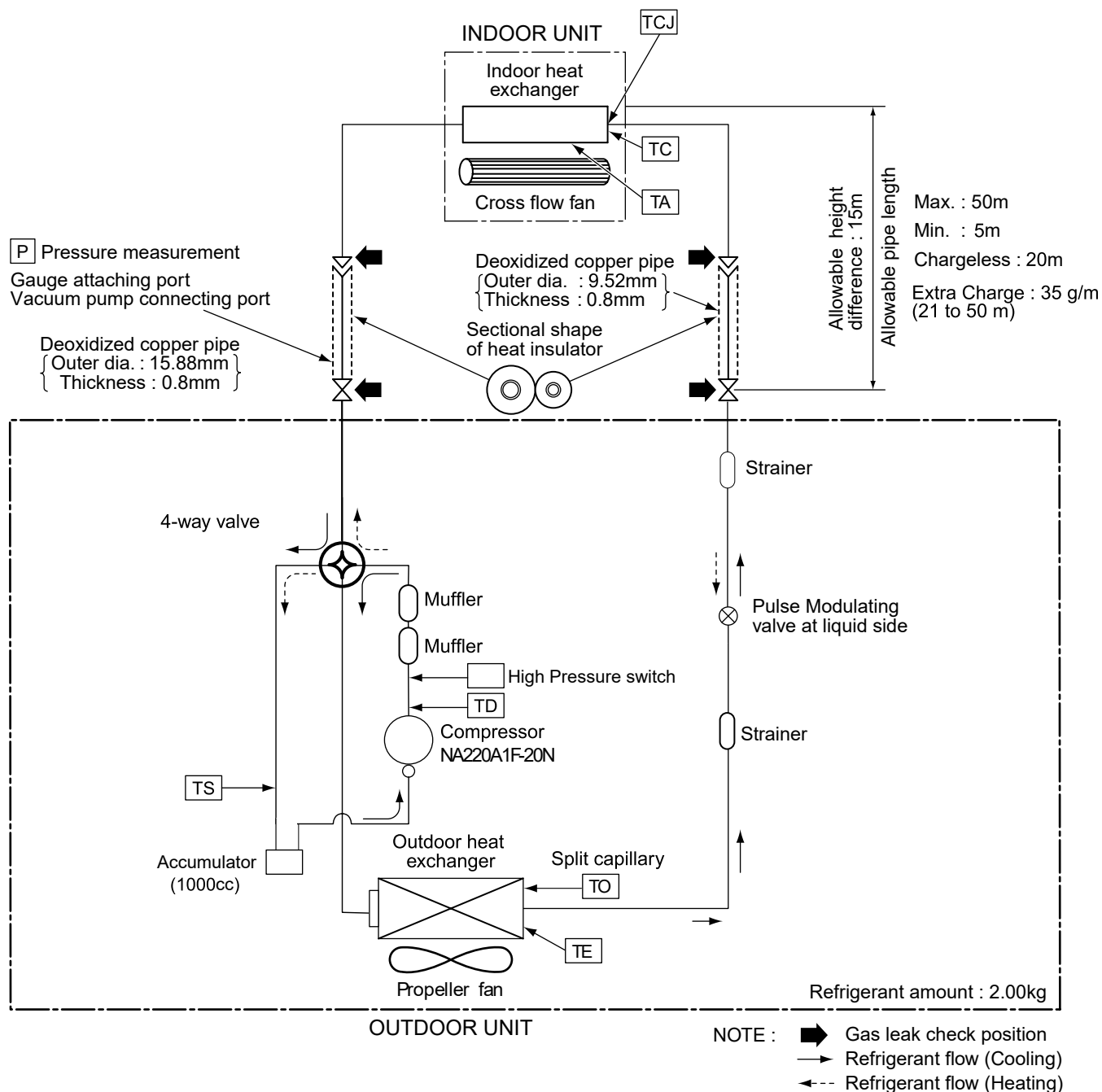
RAV-GM901AT(J)P-E

3-3. Wiring Diagram

RAV-GM901AT(J)P-E

3-4. Refrigerant cycle diagram

RAV-GM901AT(J)P-E



		Pressure				Pipe surface temperature (°C)				Compressor drive revolution frequency (rps)	Indoor fan	Indoor/Outdoor temp. conditions (DB/WB) (°C)	
		(MPa)		(kg/cm ²)		Discharge	Suction	Indoor heat exchanger	Outdoor heat exchanger			Indoor	Outdoor
		Pd	Ps	Pd	Ps	(TD)	(TS)	(TC)	(TE)				
Cooling	Standard	3.14	0.96	32.0	9.8	90	11	11	37	62	HIGH	27/19	35/-
	Overload	3.52	1.28	35.9	9.8	72	21	20	53	43	HIGH	32/24	46/-
	Low load	2.12	0.78	21.6	8.0	60	5	5	7	33	LOW	18/15.5	-15/-
Heating	Standard	2.30	0.63	23.5	6.4	80	1	37	3	72	HIGH	20/-	7/6
	Overload	3.31	0.98	33.7	10.0	95	15	51	13	55	LOW	28/-	24/18
	Low load	1.42	0.32	14.5	3.3	49	13	21	-15	84	HIGH	0/-	-15/-

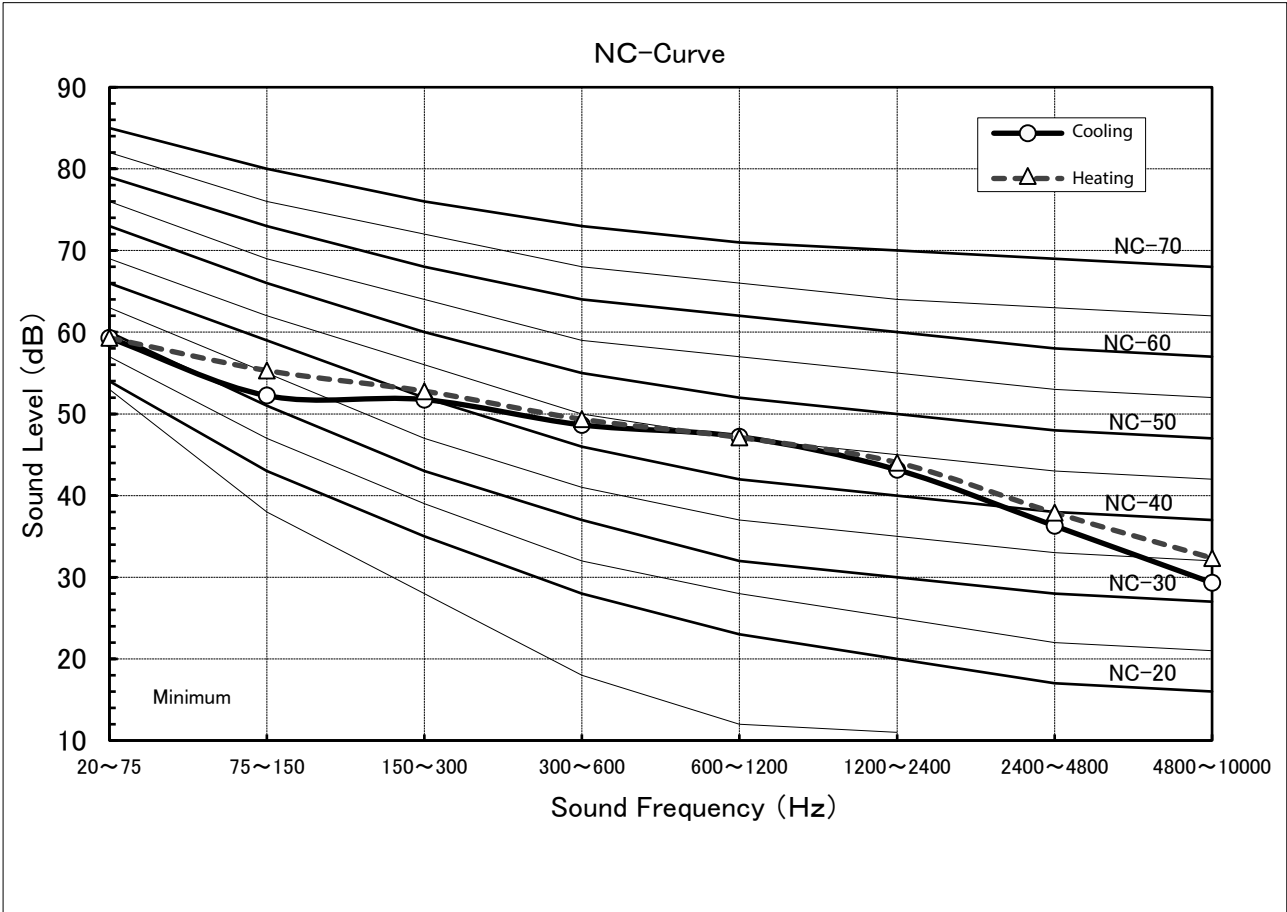
* 4 poles are provided to this compressor.

The compressor frequency (Hz) measured with a clamp meter is 2 times of revolutions (rps) of the compressor.

3-5. Sound characteristics (NC curve)

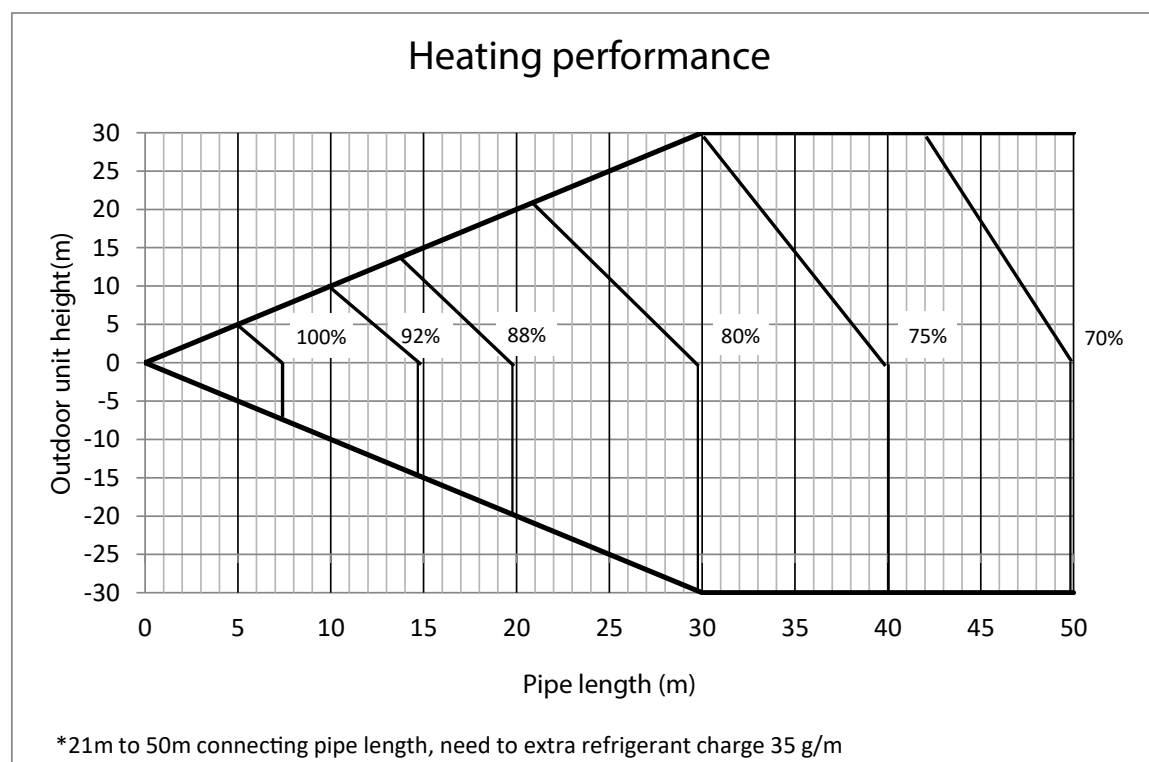
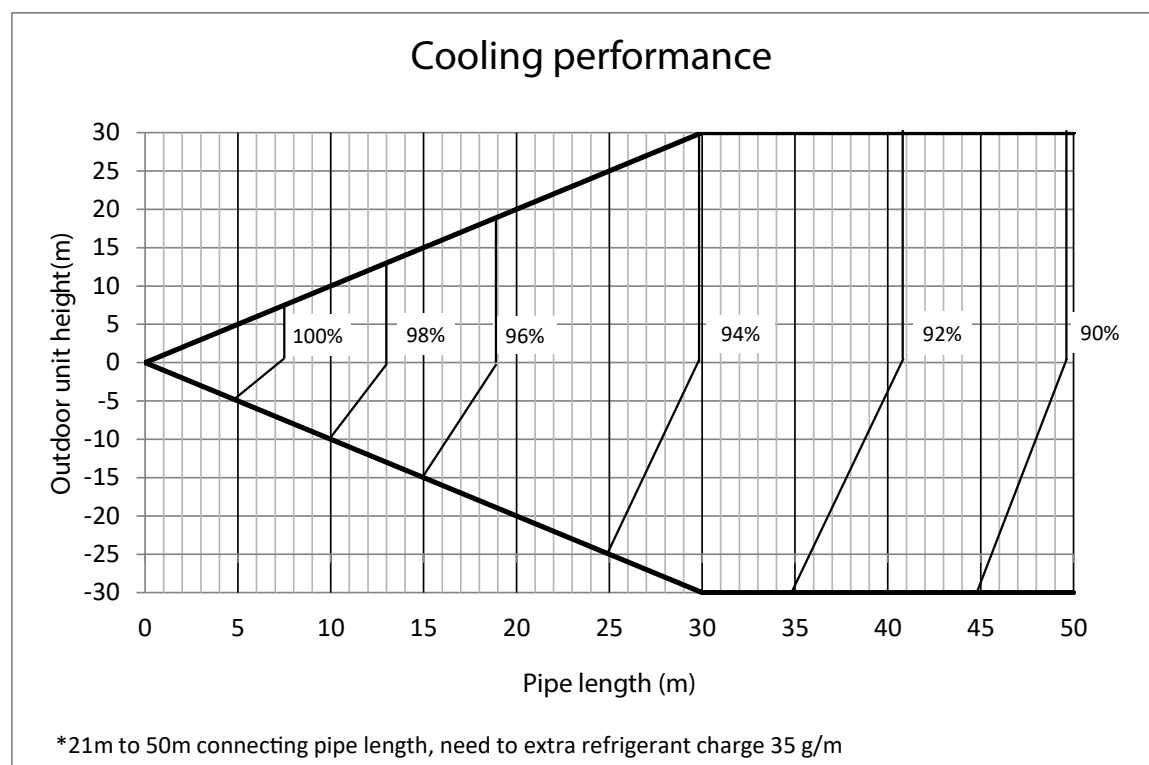
RAV-GM901AT(J)P-E

Sound pressure level (dBA)	Cooling	Heating
	51	52



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

RAV-GM901AT(J)P-E



4. Optional Accessories

Accessory Parts List		4-way Cassette	Standard duct	Ceiling	High wall
		series 1	series 1	series 1	series 1
		RAV-HM901UTP-E	RAV-HM901BTP-E	RAV-HM901CTP-E	RAV-HM901KRTP-E
Wired Remote Controller	RBC-AMS51E-EN,ES	OK	OK	OK	OK
	RBC-AMS55E-EN, ES	OK	OK	OK	OK
	RBC-AMS41E	OK	OK	OK	OK
	RBC-AMT32E	OK	OK	OK	OK
	RBC-AS41E	OK	OK	OK	OK
Wireless Remote Controller	RBC-AX32UM(W)-E				
	TCB-AX32E2	OK	OK	OK	
	RBC-AX32U(W)-E	OK			
	RBC-AX33CE			OK	
Schedule Timer	TCB-EXS21TLE	OK	OK	OK	OK
TCC-Link adaptor	TCB-PCNT30TLE2	OK	OK	OK	
Ceiling Panel	RBC-UM21PG(W)-E				
	RBC-U31PGP(W)-E	OK			
Occupancy Sensor	TCB-SIR41UM-E				
Fresh air filter chamber	TCB-GFC1602UE	OK			
Spacer for height adjustment	TCB-SP1602UE	OK			
Air discharge direction kit	TCB-BC1602UE	OK			
Auxiliary fresh air flange	TCB-FF101URE2	OK			
Optional connecting kit	TCB-PCUC2E			OK	
Spigot shaped flange	TCB-SF56C6BPE, TCB-SF80C6BPE, TCB-SF160C6BPE		OK		
Application control kit	TCB-PCOS1E2		OK	OK	
Optional connector table (Peak-cut control/Night operation / compressor ON status output)	TCB-KBOS4E	OK	OK	OK	

4.2 Controller

Parts name	Model name	Used with
Simple wired controller	RBC-AS21E2	All indoor units
Schedule timer	TCB-EXS21TLE	Wired remote controller
ON-OFF controller	TCB-CC163TLE2	Wired remote controller/Central remote controller
Central controller	BMS-CM1280TLE	All indoor units
1:1 model connection interface	TCB-PCNT30TLE2	4 way cassette type / Compact 4-way cassette type / Ducted type Slim Duct type / Ceiling type / High wall type
Terminal box	TCB-PX30MUE	Used with TCB-PCNT30TLE2 4-way cassette (4 series) type

Energy Save operation (RBC-AMS54/55E-EN/ES)

The method to control power consumption by limiting the peak of the compressor's electric current.

= To control peak current by limiting **% of the current release

		FCU only function	Combination function with CDU		
			DI R32		
		Linked with A2A HEX by TCC link*1	Energy save operation (Limit the peak of electric current)	Night Operation by only New Controller *2	Frost Protection (8°C set temp. in heating mode)
4-way cassette type	RAV-HM**1UTP-E	×	○	×	×
Standard duct	RAV-HM**1BTP-E	OK	○	×	×
Ceiling type	RAV-HM**1CTP-E	OK	○	×	×
High Wall type	RAV-HM**1KRTP-E	×	○	×	×

*1) A2A HEX: VN-M**HE

*2) New Controller : RBC-AMS54/55E-EN/ES

*3) Only 75% :Even if save ratio is set over 50%, the save operation will be 75% automatically

	RBC-AMS54/55E-EN/ES	RBC-AMT32E/RBC-AMS41E
○	0%, 50%, Option (Only 75%)*3	Option (Only 75%)*3
×	NA	NA

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