TOSHIBA

E19-323

Digital inverter 3phase

Engineering DataBook

Outdoor Unit

RAV-GM2241AT8-E
RAV-GM2801AT8-E

System line up

Outdoor units		RAV-GM2241AT8-E RAV-GM2241AT8J-E* 	RAV-GM2801AT8-E RAV-GM2801AT8J-E* 
Indoor units	4-way cassette 	Twin Triple Double Twin	Twin Triple Double Twin
	Compact 4-way cassette 	Double Twin	—
	Ducted 	Twin Triple Double Twin	Twin Triple Double Twin
	Slim duct 	Double Twin	—
	High static duct 	Single	Single
	Ceiling 	Twin Triple Double Twin	Twin Triple Double Twin
	High wall 	Triple Double Twin	Triple Double Twin
	Floor standing 	Twin Triple Double Twin	Twin Triple Double Twin

*Heavy Protection model

Contents

Outdoor unit Contents

1 Outdoor unit

1-1. Specifications

<Twin type>

Model name	**Indoor unit1**				**RAV-RM1101UTP-E**	**RAV-RM1401UTP-E**
	Indoor unit2				**RAV-RM1101UTP-E**	**RAV-RM1401UTP-E**
	Outdoor unit				**RAV-GM2241AT8-E**	**RAV-GM2801AT8-E**
Cooling capacity				kW	20.0<4.6-22.4>	23.5<4.6-27.0>
Heating capacity				kW	22.4<4.6-25.0>	27.0<4.6-31.5>
Power supply				Phase-Hz-V	3N-50-380/415	3N-50-380/415
Electrical characteristics	Cooling	Running current	380V-415V	A	8.99-8.23	12.79-11.71
		Power input	Rated(Min.-Max.)	kW	5.56(0.94-8.80)	7.83(0.94-11.44)
		EER			3.60	3.00
	Heating	Running current	380V-415V	A	8.83-8.08	12.02-11.01
		Power input	Rated(Min.-Max.)	kW	5.30(0.85-9.90)	7.10(0.85-13.40)
		COP			4.23	3.80
	Maximum current			A	18.0	23.0
Indoor unit						
Model name					RAV-RM1101UTP-E	RAV-RM1401UTP-E
Appearance	Main unit				Zinc hot dipping steel plate	
	Ceiling panel (Sold Separately)		Model name		RBC-U31PG(W, WS)-E, RBC-31PGS(W,WS)-E	
			Color		W:Moon-wite(2.5GY 9.0/0.5), WS:Strioe-white(2.5GY/9.0/0.5, Gray(8B 3/0.3))	
Dimension	Main unit		Height	mm	319	319
			Width	mm	840	840
			Depth	mm	840	840
	Panel		Height	mm	30	30
			Width	mm	950	950
			Depth	mm	950	950
Weight	Main unit			kg	24	24
	Panel			kg	4.2	4.2
Heat exchanger					Finned tube	Finned tube
Fan unit	Fan				turbo fan	turbo fan
	Air flow		H/M/L	m^3/h	2010/1440/1170	2100/1440/1230
	Motor output			W	68	72
Sound pressure level			H/M/L	dB(A)	43/38/33	44/38/34
Sound power level			H/M/L	dB(A)	56/53/48	59/53/49
Branch-kit	(Sold separately)				RBC-TWP101E	RBC-TWP101E
Outdoor unit						
Model name					RAV-GM2241AT8-E	RAV-GM2801AT8-E
Dimension			Height	mm	1550	1550
			Width	mm	1010	1010
			Depth	mm	370	370
Weight				kg	142	142
Compressor type					DC Twin Rotary	DC Twin Rotary
Fan motor output				W	200+200	200+200
Air flow				m^3/h	9150	10890
Refrigerant Quantity in Outdoor unit				kg	5.0	5.0
Additional refrigerant charge				g/m	40	80
Pipe connections	Pipe length	At rated performance		m	7.5	7.5
	Minimum Pipe length			m	5.0	5.0
	Maximum Pipe length			m	60.0	60.0
	Maximum Height difference			m	30.0	30.0
	Maximum Chargeless length			m	30.0	30.0
Flare connection	Main pipe		Gas/Liquid	mm	28.6/12.7	28.6/12.7
	Branch pipe		Gas/Liquid	mm	15.9/9.5	15.9/9.5
Sound pressure level	Cooling/Heating			dB(A)	58/60	61/63
Sound power level	Cooling/Heating			dB(A)	76/76	78/80
Operating range	Cooling			DBC	-15 to 46	-15 to 46
	Heating			WBC	-20 to 15	-20 to 15

*1 : The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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 operation environment become larger than the indicated values due to the effects of external sound.

*3 : Height from the ceiling.

Notes :

Rated conditions
Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB
Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

<Triple type>

Model name	**Indoor unit1**				**RAV-RM801UTP-E**	**RAV-RM801UTP-E**
	Indoor unit2				**RAV-RM801UTP-E**	**RAV-RM801UTP-E**
	Indoor unit3				**RAV-RM801UTP-E**	**RAV-RM801UTP-E**
	Outdoor unit				**RAV-GM2241AT8-E**	**RAV-GM2801AT8-E**
Cooling capacity				kW	20.0<4.6-22.4>	23.5<4.6-27.0>
Heating capacity				kW	22.4<4.6-25.0>	27.0<4.6-31.5>
Power supply				Phase-Hz-V	3N-50-380/415	3N-50-380/415
Electrical characteristics	Cooling	Running current	380V-415V	A	8.99-8.23	12.79-11.71
		Power input	Rated(Min.-Max.)	kW	5.56(0.94-8.80)	7.83(0.94-11.44)
		EER			3.60	3.00
	Heating	Running current	380V-415V	A	8.83-8.08	12.02-11.01
		Power input	Rated(Min.-Max.)	kW	5.30(0.85-9.90)	7.10(0.85-13.40)
		COP			4.23	3.80
	Maximum current			A	18.0	23.0
Indoor unit						
Model name					RAV-RM801UTP-E	RAV-RM801UTP-E
Appearance	Main unit				Zinc hot dipping steel plate	
	Ceiling panel (Sold Separately)		Model name		RBC-U31PG(W, WS)-E, RBC-31PGS(W,WS)-E	
			Color		W:Moon-wite(2.5GY 9.0/0.5),WS:Strioe-white (2.5GY/9.0/0.5, Gray(8B 3/0.3))	
Dimension	Main unit		Height	mm	256	256
			Width	mm	840	840
			Depth	mm	840	840
	Panel		Height	mm	30	30
			Width	mm	950	950
			Depth	mm	950	950
Weight	Main unit			kg	20	20
	Panel			kg	4.2	4.2
Heat exchanger					Finned tube	Finned tube
Fan unit	Fan				turbo fan	turbo fan
	Air flow		H/M/L	m^3/h	1230/960/810	1230/960/810
	Motor output			W	20	20
Sound pressure level			H/M/L	dB(A)	35/31/28	35/31/28
Sound power level			H/M/L	dB(A)	50/46/43	50/46/43
Branch-kit	(Sold separately)				RBC-TRP100E	RBC-TRP100E
Outdoor unit						
Model name					RAV-GM2241AT8-E	RAV-GM2801AT8-E
Dimension			Height	mm	1550	1550
			Width	mm	1010	1010
			Depth	mm	370	370
Weight				kg	142	142
Compressor type					DC Twin Rotary	DC Twin Rotary
Fan motor output				W	200+200	200+200
Air flow				m^3/h	9150	10890
Refrigerant Quantity in Outdoor unit				kg	5.0	5.0
Additional refrigerant charge				g/m	40	80
Pipe connections	Pipe length	At rated performance		m	7.5	7.5
	Minimum Pipe length			m	5.0	5.0
	Maximum Pipe length			m	60.0	60.0
	Maximum Height difference			m	30.0	30.0
	Maximum Chargeless length			m	30.0	30.0
Flare connection	Main pipe		Gas/Liquid	mm	28.6/12.7	28.6/12.7
	Branch pipe		Gas/Liquid	mm	15.9/9.5	15.9/9.5
Sound pressure level	Cooling/Heating			dB(A)	58/60	61/63
Sound power level	Cooling/Heating			dB(A)	76/76	78/80
Operating range	Cooling			DBC	-15 to 46	-15 to 46
	Heating			WBC	-20 to 15	-20 to 15

*1 : The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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 operation environment become larger than the indicated values due to the effects of external sound.
*3 : Height from the ceiling.

Notes :
Rated conditions
Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB
Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

<Double Twin type>

Model name	**Indoor unit1**				**RAV-RM561UTP-E**	**RAV-RM801UTP-E**
	Indoor unit2				**RAV-RM561UTP-E**	**RAV-RM801UTP-E**
	Indoor unit3				**RAV-RM561UTP-E**	**RAV-RM801UTP-E**
	Indoor unit4				**RAV-RM561UTP-E**	**RAV-RM801UTP-E**
	Outdoor unit				**RAV-GM2241AT8-E**	**RAV-GM2801AT8-E**
Cooling capacity				kW	20.0<4.6-22.4>	23.5<4.6-27.0>
Heating capacity				kW	22.4<4.6-25.0>	27.0<4.6-31.5>
Power supply				Phase-Hz-V	3N-50-380/415	3N-50-380/415
Electrical characteristics	Cooling	Running current	380V-415V	A	8.99-8.23	12.79-11.71
		Power input	Rated(Min.-Max.)	kW	5.56(0.94-8.80)	7.83(0.94-11.44)
		EER			3.60	3.00
	Heating	Running current	380V-415V	A	8.83-8.08	12.02-11.01
		Power input	Rated(Min.-Max.)	kW	5.30(0.85-9.90)	7.10(0.85-13.40)
		COP			4.23	3.80
	Maximum current			A	18.0	23.0
Indoor unit						
Model name					RAV-RM561UTP-E	RAV-RM801UTP-E
Appearance	Main unit				Zinc hot dipping steel plate	
	Ceiling panel (Sold Separately)		Model name		RBC-U31PG(W, WS)-E, RBC-31PGS(W,WS)-E	
			Color		W:Moon-wite(2.5GY 9.0/0.5), WS:Strioe-white(2.5GY/9.0/0.5, Gray(8B 3/0.3)	
Dimension	Main unit		Height	mm	256	256
			Width	mm	840	840
			Depth	mm	840	840
	Panel		Height	mm	30	30
			Width	mm	950	950
			Depth	mm	950	950
Weight	Main unit			kg	20	20
	Panel			kg	4.2	4
Heat exchanger					Finned tube	Finned tube
Fan unit	Fan				turbo fan	turbo fan
	Air flow		H/M/L	m^3/h	1050/870/780	1230/960/810
	Motor output			W	14	20
Sound pressure level			H/M/L	dB(A)	32/29/28	35/31/28
Sound power level			H/M/L	dB(A)	47/44/43	50/46/43
Branch-kit	(Sold separately)				RBC-DTWP101E	RBC-DTWP101E
Outdoor unit						
Model name					RAV-GM2241AT8-E	RAV-GM2801AT8-E
Dimension			Height	mm	1550	1550
			Width	mm	1010	1010
			Depth	mm	370	370
Weight				kg	142	142
Compressor type					DC Twin Rotary	DC Twin Rotary
Fan motor output				W	200+200	200+200
Air flow				m^3/h	9150	10890
Refrigerant Quantity in Outdoor unit				kg	5.0	5.0
Additional refrigerant charge				g/m	40	80
Pipe connections	Pipe length	At rated performance		m	7.5	7.5
	Minimum Pipe length			m	5.0	5.0
	Maximum Pipe length			m	60.0	60.0
	Maximum Height difference			m	30.0	30.0
	Maximum Chargeless length			m	30.0	30.0
Flare connection	Main pipe		Gas/Liquid	mm	28.6/12.7	28.6/12.7
	Branch pipe		Gas/Liquid	mm	12.7/6.4	15.9/9.5
Sound pressure level	Cooling/Heating			dB(A)	58/60	61/63
Sound power level	Cooling/Heating			dB(A)	76/76	78/80
Operating range	Cooling			DBC	-15 to 46	-15 to 46
	Heating			WBC	-20 to 15	-20 to 15

*1 : The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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 operation environment become larger than the indicated values due to the effects of external sound.

*3 : Height from the ceiling.

Notes :

Rated conditions

Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB

Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

<Double Twin type>

Model name	**Indoor unit1**				**RAV-RM561MUT-E**
	Indoor unit2				**RAV-RM561MUT-E**
	Indoor unit3				**RAV-RM561MUT-E**
	Indoor unit4				**RAV-RM561MUT-E**
	Outdoor unit				**RAV-GM2241AT8-E**
Cooling capacity				kW	20.0<4.6-22.4>
Heating capacity				kW	22.4<4.6-25.0>
Power supply				Phase-Hz-V	3N-50-380/415
Electrical characteristics	Cooling	Running current	380V-415V	A	10.26-9.40
		Power input	Rated(Min.-Max.)	kW	6.35(1.01-8.80)
		EER			3.15
	Heating	Running current	380V-415V	A	10.20-9.34
		Power input	Rated(Min.-Max.)	kW	6.31(0.93-9.90)
		COP			3.66
	Maximum current			A	18.0
Indoor unit					
Model name					RAV-RM561MUT-E
Appearance	Main unit				Zinc hot dipping steel plate * Heat-insulating material attached to only upper plate
	Ceiling panel		Model name		RBC-UM21PG(W)-E
	(Sold Separately)		Color		Gran White (Mansell 5PB9/1)
Dimension	Main unit		Height	mm	256
			Width	mm	575
			Depth	mm	575
	Panel		Height	mm	27
			Width	mm	620
			Depth	mm	620
Weight	Main unit			kg	15
	Panel			kg	2.5
Heat exchanger					Finned tube
Fan unit	Fan				turbo fan
	Air flow		H/M+/M/L+/L	m^3/h	798/720/672/562/546
	Motor output			W	60
Sound pressure level	Cooling/Heating		H/M+/M/L+/L	dB(A)	44/42/39/36/35
Sound power level	Cooling/Heating		H/M+/M/L+/L	dB(A)	59/57/54/51/50
Branch-kit	(Sold separately)				RBC-DTWP101E
Outdoor unit					
Model name					RAV-GM2241AT8-E
Dimension	Height			mm	1550
	Width			mm	1010
	Depth			mm	370
Weight				kg	142
Compressor type					DC Twin Rotary
Fan motor output				W	200+200
Air flow				m^3/h	9150
Refrigerant Quantity in Outdoor unit				kg	5.0
Additional refrigerant charge				g/m	40
Pipe connections	Pipe length	At rated performance		m	7.5
	Minimum Pipe length			m	5.0
	Maximum Pipe length			m	60.0
	Maximum Height difference			m	30.0
	Maximum Chargeless length			m	30.0
Flare connection	Main pipe		Gas/Liquid	mm	28.6/12.7
	Branch pipe		Gas/Liquid	mm	12.7/6.4
Sound pressure level	Cooling/Heating			dB(A)	58/60
Sound power level	Cooling/Heating			dB(A)	76/76
Operating range	Cooling			DBC	-15 to 46
	Heating			WBC	-20 to 15

*1 : The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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 operation environment become larger than the indicated values due to the effects of external sound.

*3 : Height from the ceiling.

Notes :

Rated conditions

Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB

Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

<Twin type>

Model name	**Indoor unit1**				**RAV-RM1101BTP-E**	**RAV-RM1401BTP-E**
	Indoor unit2				**RAV-RM1101BTP-E**	**RAV-RM1401BTP-E**
	Outdoor unit				**RAV-GM2241AT8-E**	**RAV-GM2801AT8-E**
Cooling capacity				kW	20.0<4.6-22.4>	23.5<4.6-27.0>
Heating capacity				kW	22.4<4.6-25.0>	27.0<4.6-31.5>
Power supply				Phase-Hz-V	3N-50-380/415	3N-50-380/415
Electrical characteristics	Cooling	Running current	380V-415V	A	9.97-9.13	14.49-13.27
		Power input	Rated(Min.-Max.)	kW	6.17(1.01-9.05)	8.87(1.01-11.69)
		EER			3.24	2.65
	Heating	Running current	380V-415V	A	9.28-8.50	12.60-11.53
		Power input	Rated(Min.-Max.)	kW	5.57(0.93-10.15)	7.46(0.93-13.65)
		COP			4.02	3.62
	Maximum current			A	18.0	23.0
Indoor unit						
Model name					RAV-RM1101BTP-E	RAV-RM1401BTP-E
Appearance	Main unit				Zinc hot dipping steel plate	
Dimension			Height	mm	275	275
			Width	mm	1400	1400
			Depth	mm	750	750
Weight				kg	40	40
Heat exchanger					Finned tube	Finned tube
Fan unit	Fan				Centrifugal fan	Centrifugal fan
	Standard air flow		H/M/L	m^3/h	2100/1740/1500	2100/1740/1500
	Motor output			W	250	250
	External static pressure		Factory setting	Pa	50	50
	External static pressure range		Upper-Lower	Pa	120-30	120-30
Sound pressure level			H/M/L	dB(A)	40/36/33	40/36/33
Sound power level			H/M/L	dB(A)	63/58/54	63/58/54
Branch-kit	(Sold separately)				RBC-TWP101E	RBC-TWP101E
Outdoor unit						
Model name					RAV-GM2241AT8-E	RAV-GM2801AT8-E
Dimension			Height	mm	1550	1550
			Width	mm	1010	1010
			Depth	mm	370	370
Weight				kg	142	142
Compressor type					DC Twin Rotary	DC Twin Rotary
Fan motor output				W	200+200	200+200
Air flow				m^3/h	9150	10890
Refrigerant Quantity in Outdoor unit				kg	5.0	5.0
Additional refrigerant charge				g/m	40	80
Pipe connections	Pipe length	At rated performance		m	7.5	7.5
	Minimum Pipe length			m	5.0	5.0
	Maximum Pipe length			m	60.0	60.0
	Maximum Height difference			m	30.0	30.0
	Maximum Chargeless length			m	30.0	30.0
Flare connection	Main pipe		Gas/Liquid	mm	28.6/12.7	28.6/12.7
	Branch pipe		Gas/Liquid	mm	15.9/9.5	15.9/9.5
Sound pressure level	Cooling/Heating			dB(A)	58/60	61/63
Sound power level	Cooling/Heating			dB(A)	76/76	78/80
Operating range	Cooling			DBC	-15 to 46	-15 to 46
	Heating			WBC	-20 to 15	-20 to 15

*1 : The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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 operation environment become larger than the indicated values due to the effects of external sound.

*3 : Height from the ceiling.

Notes :

Rated conditions

Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB

Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

<Triple type>

Model name	**Indoor unit1**				**RAV-RM801BTP-E**	**RAV-RM801BTP-E**
	Indoor unit2				**RAV-RM801BTP-E**	**RAV-RM801BTP-E**
	Indoor unit3				**RAV-RM801BTP-E**	**RAV-RM801BTP-E**
	Outdoor unit				**RAV-GM2241AT8-E**	**RAV-GM2801AT8-E**
Cooling capacity				kW	20.0<4.6-22.4>	23.5<4.6-27.0>
Heating capacity				kW	22.4<4.6-25.0>	27.0<4.6-31.5>
Power supply				Phase-Hz-V	3N-50-380/415	3N-50-380/415
Electrical characteristics	Cooling	Running current	380V-415V	A	9.97-9.13	14.49-13.27
		Power input	Rated(Min.-Max.)	kW	6.17(1.01-9.05)	8.87(1.01-11.69)
		EER			3.24	2.65
	Heating	Running current	380V-415V	A	9.28-8.50	12.60-11.53
		Power input	Rated(Min.-Max.)	kW	5.57(0.93-10.15)	7.46(0.93-13.65)
		COP			4.02	3.62
	Maximum current			A	18.0	23.0
Indoor unit						
Model name					RAV-RM801BTP-E	RAV-RM801BTP-E
Appearance	Main unit				Zinc hot dipping steel plate	
Dimension			Height	mm	275	275
			Width	mm	1000	1000
			Depth	mm	750	750
Weight				kg	30	30
Heat exchanger					Finned tube	Finned tube
Fan unit	Fan				Centrifugal fan	Centrifugal fan
	Standard air flow		H/M/L	m^3/h	1200/990/870	1200/990/870
	Motor output			W	150	150
	External static pressure		Factory setting	Pa	30	30
	External static pressure range		Upper-Lower	Pa	120-30	120-30
Sound pressure level			H/M/L	dB(A)	34/30/26	34/30/26
Sound power level			H/M/L	dB(A)	55/51/46	55/51/46
Branch-kit	(Sold separately)				RBC-TRP100E	RBC-TRP100E
Outdoor unit						
Model name					RAV-GM2241AT8-E	RAV-GM2801AT8-E
Dimension			Height	mm	1550	1550
			Width	mm	1010	1010
			Depth	mm	370	370
Weight				kg	142	142
Compressor type					DC Twin Rotary	DC Twin Rotary
Fan motor output				W	200+200	200+200
Air flow				m^3/h	9150	10890
Refrigerant Quantity in Outdoor unit				kg	5.0	5.0
Additional refrigerant charge				g/m	40	80
Pipe connections	Pipe length	At rated performance		m	7.5	7.5
	Minimum Pipe length			m	5.0	5.0
	Maximum Pipe length			m	60.0	60.0
	Maximum Height difference			m	30.0	30.0
	Maximum Chargeless length			m	30.0	30.0
Flare connection	Main pipe		Gas/Liquid	mm	28.6/12.7	28.6/12.7
	Branch pipe		Gas/Liquid	mm	15.9/9.5	15.9/9.5
Sound pressure level	Cooling/Heating			dB(A)	58/60	61/63
Sound power level	Cooling/Heating			dB(A)	76/76	78/80
Operating range	Cooling			DBC	-15 to 46	-15 to 46
	Heating			WBC	-20 to 15	-20 to 15

*1 : The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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 operation environment become larger than the indicated values due to the effects of external sound.
*3 : Height from the ceiling.

Notes :

Rated conditions

Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB

Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

<Double Twin type>

Model name	**Indoor unit1**				**RAV-RM561BTP-E**	**RAV-RM801BTP-E**
	Indoor unit2				**RAV-RM561BTP-E**	**RAV-RM801BTP-E**
	Indoor unit3				**RAV-RM561BTP-E**	**RAV-RM801BTP-E**
	Indoor unit4				**RAV-RM561BTP-E**	**RAV-RM801BTP-E**
	Outdoor unit				**RAV-GM2241AT8-E**	**RAV-GM2801AT8-E**
Cooling capacity				kW	20.0<4.6-22.4>	23.5<4.6-27.0>
Heating capacity				kW	22.4<4.6-25.0>	27.0<4.6-31.5>
Power supply				Phase-Hz-V	3N-50-380/415	3N-50-380/415
Electrical characteristics	Cooling	Running current	380V-415V	A	9.97-9.13	14.49-13.27
		Power input	Rated(Min.-Max.)	kW	6.17(1.01-9.05)	8.87(1.01-11.69)
		EER			3.24	2.65
	Heating	Running current	380V-415V	A	9.28-8.50	12.60-11.53
		Power input	Rated(Min.-Max.)	kW	5.57(0.93-10.15)	7.46(0.93-13.65)
		COP			4.02	3.62
	Maximum current			A	18.0	23.0
Indoor unit						
Model name					RAV-RM561BTP-E	RAV-RM801BTP-E
Appearance	Main unit				Zinc hot dipping steel plate	
Dimension			Height	mm	275	275
			Width	mm	700	1000
			Depth	mm	750	750
Weight				kg	23	30
Heat exchanger					Finned tube	Finned tube
Fan unit	Fan				Centrifugal fan	Centrifugal fan
	Standard air flow		H/M/L	m^3/h	800/630/480	1200/990/870
	Motor output			W	150	150
	External static pressure		Factory setting	Pa	30	30
	External static pressure range		Upper-Lower	Pa	120-30	120-30
Sound pressure level			H/M/L	dB(A)	33/29/25	34/30/26
Sound power level			H/M/L	dB(A)	48/44/40	55/51/46
Branch-kit	(Sold separately)				RBC-DTWP101E	RBC-DTWP101E
Outdoor unit						
Model name					RAV-GM2241AT8-E	RAV-GM2801AT8-E
Dimension			Height	mm	1550	1550
			Width	mm	1010	1010
			Depth	mm	370	370
Weight				kg	142	142
Compressor type					DC Twin Rotary	DC Twin Rotary
Fan motor output				W	200+200	200+200
Air flow				m^3/h	9150	10890
Refrigerant Quantity in Outdoor unit				kg	5.0	5.0
Additional refrigerant charge				g/m	40	80
Pipe connections	Pipe length	At rated performance		m	7.5	7.5
	Minimum Pipe length			m	5.0	5.0
	Maximum Pipe length			m	60.0	60.0
	Maximum Height difference			m	30.0	30.0
	Maximum Chargeless length			m	30.0	30.0
Flare connection	Main pipe		Gas/Liquid	mm	28.6/12.7	28.6/12.7
	Branch pipe		Gas/Liquid	mm	12.7/6.4	15.9/9.5
Sound pressure level	Cooling/Heating			dB(A)	58/60	61/63
Sound power level	Cooling/Heating			dB(A)	76/76	78/80
Operating range	Cooling			DBC	-15 to 46	-15 to 46
	Heating			WBC	-20 to 15	-20 to 15

*1 : The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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 operation environment become larger than the indicated values due to the effects of external sound.
*3 : Height from the ceiling.

Notes :
Rated conditions
Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB
Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

<Double Twin type>

Model name	**Indoor unit1**				**RAV-RM561SDT-E**
	Indoor unit2				**RAV-RM561SDT-E**
	Indoor unit3				**RAV-RM561SDT-E**
	Indoor unit4				**RAV-RM561SDT-E**
	Outdoor unit				**RAV-GM2241AT8-E**
Cooling capacity				kW	20.0<4.6-22.4>
Heating capacity				kW	22.4<4.6-25.0>
Power supply				Phase-Hz-V	3N-50-380/415
Electrical characteristics	Cooling	Running current	380V-415V	A	10.78-9.87
		Power input	Rated(Min.-Max.)	kW	6.67(1.01-8.83)
		EER			3.00
	Heating	Running current	380V-415V	A	10.20-9.34
		Power input	Rated(Min.-Max.)	kW	6.31(0.93-9.93)
		COP			3.66
	Maximum current			A	18.0
Indoor unit					
Model name					RAV-RM561SDT-E
Appearance	Main unit				Zinc hot dipping steel plate
Dimension	Height			mm	210
	Width			mm	845
	Depth			mm	645
Weight				kg	22
Heat exchanger					Finned tube
Fan unit	Fan				Centrifugal
	Standard air flow		H/M/L	m^3/h	780/678/582
	Motor output			W	60
	External static pressure		Factory setting	Pa	29
	External static pressure range		Upper-Lower	Pa	44-4
Sound pressure level			H/M/L	dB(A)	45/40/36
Sound power level			H/M/L	dB(A)	55/53/48
Branch-kit	(Sold separately)				RBC-DTWP101E
Outdoor unit					
Model name					RAV-GM2241AT8-E
Dimension			Height	mm	1550
			Width	mm	1010
			Depth	mm	370
Weight				kg	142
Compressor type					DC Twin Rotary
Fan motor output				W	200+200
Air flow				m^3/h	9150
Refrigerant Quantity in Outdoor unit				kg	5.0
Additional refrigerant charge				g/m	40
Pipe connections	Pipe length	At rated performance		m	7.5
	Minimum Pipe length			m	5.0
	Maximum Pipe length			m	60.0
	Maximum Height difference			m	30.0
	Maximum Chargeless length			m	30.0
Flare connection	Main pipe		Gas/Liquid	mm	28.6/12.7
	Branch pipe		Gas/Liquid	mm	12.7/6.4
Sound pressure level	Cooling/Heating			dB(A)	58/60
Sound power level	Cooling/Heating			dB(A)	76/76
Operating range	Cooling			DBC	-15 to 46
	Heating			WBC	-20 to 15

*1 : The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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 operation environment become larger than the indicated values due to the effects of external sound.

*3 : Height from the ceiling.

Notes :

Rated conditions

Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB

Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

<Single type>

Model name	Indoor unit				**RAV-RM2241DTP-E**	**RAV-RM2801DTP-E**
	Outdoor unit				**RAV-GM2241AT8-E**	**RAV-GM2801AT8-E**
Cooling capacity				kW	19.0 <4.6-22.4>	22.5<4.6-27.0>
Heating capacity				kW	22.4<4.6-25.0>	27.0<4.6-31.5>
Power supply				Phase-Hz-V	3N-50-380/415	3N-50-380/415
Electrical characteristics	Cooling	Running current	380-415V	A	9.47-8.67	13.04-11.94
		Power input	Rated(Min.-Max.)	kW	5.86(1.27-9.05)	7.98(1.27-11.87)
		EER			3.24	2.82
	Heating	Running current	380-415V	A	9.52-8.72	12.71-11.64
		Power input	Rated(Min.-Max.)	kW	5.71(1.27-10.15)	7.52(1.27-13.83)
		COP			3.92	3.59
	Maximum current			A	18.0	23.0
Indoor unit						
Model name					RAV-RM2241DTP-E	RAV-RM2801DTP-E
Appearance	Main unit				Zinc hot dipping steel plate	
Dimension			Height	mm	448	448
			Width	mm	1400	1400
			Depth	mm	900	900
Weight				kg	97	97
Heat exchanger					Finned tube	Finned tube
Fan unit	Fan				Centrifugal fan	Centrifugal fan
	Standard air flow		H/M/L	m^3/h	3800/3200/2500	4800/4200/3500
	Motor output			W	800	1100
	External static pressure		Factory setting	Pa	150	150
	External static pressure range		Upper-Middle-Lower	Pa	250/150/50	250/150/50
Sound pressure level			H/M/L	dB(A)	44/40/36	46/42/38
Sound power level			H/M/L	dB(A)	79/75/71	81/77/73
Outdoor unit						
Model name					RAV-GM2241AT8-E	RAV-GM2801AT8-E
Dimension			Height	mm	1550	1550
			Width	mm	1010	1010
			Depth	mm	370	370
Weight				kg	142	142
Compressor type					DC Twin Rotary	DC Twin Rotary
Fan motor output				W	200+200	200+200
Air flow				m^3/h	9150	10890
Refrigerant Quantity in Outdoor unit				kg	5.0	5.0
Additional refrigerant charge				g/m	40	80
Pipe connections	Pipe length	At rated performance		m	7.5	7.5
	Minimum Pipe length			m	5.0	5.0
	Maximum Pipe length			m	60.0	60.0
	Maximum Height difference			m	30.0	30.0
	Maximum Chargeless length			m	30.0	30.0
Flare connection	Main pipe		Gas/Liquid	mm	28.6/12.7	28.6/12.7
Sound pressure level	Cooling/Heating			dB(A)	58/60	61/63
Sound power level	Cooling/Heating			dB(A)	76/76	78/80
Operating range	Cooling			DBC	-15 to 46	-15 to 46
	Heating			WBC	-20 to 15	-20 to 15

*1 : The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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 operation environment become larger than the indicated values due to the effects of external sound.

*3 : Height from the ceiling.

Notes :

Rated conditions

Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB

Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

<Twin type>

Model name	**Indoor unit1**				**RAV-RM1101CTP-E**	**RAV-RM1401CTP-E**
	Indoor unit2				**RAV-RM1101CTP-E**	**RAV-RM1401CTP-E**
	Outdoor unit				**RAV-GM2241AT8-E**	**RAV-GM2801AT8-E**
Cooling capacity				kW	10.0 <2.6-12.0>	14.0<2.6-16.0>
Heating capacity				kW	11.2 <2.4-14.0>	16.0<2.4-19.0>
Power supply				Phase-Hz-V	3N-50-380/415	3N-50-380/415
Electrical characteristics	Cooling	Running current	380V-415V	A	9.97-9.13	14.65-13.42
		Power input	Rated(Min.-Max.)	kW	6.17(1.01-8.83)	8.97(1.01-11.51)
		EER			3.91	3.04
	Heating	Running current	380V-415V	A	9.52-8.72	12.79-11.71
		Power input	Rated(Min.-Max.)	kW	5.71(0.93-9.93)	7.56(0.93-13.47)
		COP			3.92	3.57
	Maximum current			A	18.0	23.0
Indoor unit						
Model name					RAV-RM1101CTP-E	RAV-RM1401CTP-E
Appearance	Main unit				Pure White (N9.1)	Pure White (N9.1)
Dimension	Height			mm	235	235
	Width			mm	1586	1586
	Depth			mm	690	690
Weight				kg	35	35
Heat exchanger					Finned tube	Finned tube
Fan unit	Fan				Centrifugal fan	Centrifugal fan
	Standard air flow		H/M/L	m^3/h	1860/1350/1020	2040/1530/1200
	Motor output			W	139	139
Sound pressure level			H/M/L	dB(A)	44/38/32	46/41/35
Sound power level			H/M/L	dB(A)	59/53/47	61/56/50
Branch-kit	(Sold separately)				RBC-TWP101E	RBC-TWP101E
Outdoor unit						
Model name					RAV-GM2241AT8-E	RAV-GM2801AT8-E
Dimension	Height			mm	1550	1550
	Width			mm	1010	1010
	Depth			mm	370	370
Weight				kg	142	142
Compressor type					DC Twin Rotary	DC Twin Rotary
Fan motor output				W	200+200	200+200
Air flow				m^3/h	9150	10890
Refrigerant Quantity in Outdoor unit				kg	5.0	5.0
Additional refrigerant charge				g/m	40	80
Pipe connections	Pipe length	At rated performance		m	7.5	7.5
	Minimum Pipe length			m	5.0	5.0
	Maximum Pipe length			m	60.0	60.0
	Maximum Height difference			m	30.0	30.0
	Maximum Chargeless length			m	30.0	30.0
Flare connection	Main pipe		Gas/Liquid	mm	28.6/12.7	28.6/12.7
	Branch pipe		Gas/Liquid	mm	15.9/9.5	15.9/9.5
Sound pressure level	Cooling/Heating			dB(A)	58/60	61/63
Sound power level	Cooling/Heating			dB(A)	76/76	78/80
Operating range	Cooling			DBC	-15 to 46	-15 to 46
	Heating			WBC	-20 to 15	-20 to 15

*1 : The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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 operation environment become larger than the indicated values due to the effects of external sound.
*3 : Height from the ceiling.

Notes :
Rated conditions
Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB
Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

<Triple type>

Model name	**Indoor unit1**				**RAV-RM801CTP-E**	**RAV-RM801CTP-E**
	Indoor unit2				**RAV-RM801CTP-E**	**RAV-RM801CTP-E**
	Indoor unit3				**RAV-RM801CTP-E**	**RAV-RM801CTP-E**
	Outdoor unit				**RAV-GM2241AT8-E**	**RAV-GM2801AT8-E**
Cooling capacity				kW	20.0<4.6-22.4>	23.5<4.6-27.0>
Heating capacity				kW	22.4<4.6-25.0>	27.0<4.6-31.5>
Power supply				Phase-Hz-V	3N-50-380/415	3N-50-380/415
Electrical characteristics	Cooling	Running current	380V-415V	A	9.97-9.13	14.65-13.42
		Power input	Rated(Min.-Max.)	kW	6.17(1.01-8.83)	8.97(1.01-11.51)
		EER			3.24	2.62
	Heating	Running current	380V-415V	A	9.52-8.72	12.79-11.71
		Power input	Rated(Min.-Max.)	kW	5.71(0.93-9.93)	7.56(0.93-13.47)
		COP			3.92	3.57
	Maximum current			A	18.0	23.0
Indoor unit						
Model name					RAV-RM801CTP-E	RAV-RM801CTP-E
Appearance	Main unit				Pure White (N9.1)	Pure White (N9.1)
Dimension	Height			mm	235	235
	Width			mm	1270	1270
	Depth			mm	690	690
Weight				kg	29	29
Heat exchanger					Finned tube	Finned tube
Fan unit	Fan				Centrifugal fan	Centrifugal fan
	Standard air flow		H/M/L	m^3/h	1410/1000/750	1410/1000/750
	Motor output			W	94	94
Sound pressure level			H/M/L	dB(A)	41/36/29	41/36/29
Sound power level			H/M/L	dB(A)	56/51/44	56/51/44
Branch-kit	(Sold separately)				RBC-TRP100E	RBC-TRP100E
Outdoor unit						
Model name					RAV-GM2241AT8-E	RAV-GM2801AT8-E
Dimension	Height			mm	1550	1550
	Width			mm	1010	1010
	Depth			mm	370	370
Weight				kg	142	142
Compressor type					DC Twin Rotary	DC Twin Rotary
Fan motor output				W	200+200	200+200
Air flow				m^3/h	9150	10890
Refrigerant Quantity in Outdoor unit				kg	5.0	5.0
Additional refrigerant charge				g/m	40	80
Pipe connections	Pipe length	At rated performance		m	7.5	7.5
	Minimum Pipe length			m	5.0	5.0
	Maximum Pipe length			m	60.0	60.0
	Maximum Height difference			m	30.0	30.0
	Maximum Chargeless length			m	30.0	30.0
Flare connection	Main pipe		Gas/Liquid	mm	28.6/12.7	28.6/12.7
	Branch pipe		Gas/Liquid	mm	15.9/9.5	15.9/9.5
Sound pressure level	Cooling/Heating			dB(A)	58/60	61/63
Sound power level	Cooling/Heating			dB(A)	76/76	78/80
Operating range	Cooling			DBC	-15 to 46	-15 to 46
	Heating			WBC	-20 to 15	-20 to 15

*1 : The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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 operation environment become larger than the indicated values due to the effects of external sound.

*3 : Height from the ceiling.

Notes :

Rated conditions

Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB

Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

<Double Twin type>

Model name	**Indoor unit1**				**RAV-RM561CTP-E**	**RAV-RM801CTP-E**
	Indoor unit2				**RAV-RM561CTP-E**	**RAV-RM801CTP-E**
	Indoor unit3				**RAV-RM561CTP-E**	**RAV-RM801CTP-E**
	Indoor unit4				**RAV-RM561CTP-E**	**RAV-RM801CTP-E**
	Outdoor unit				**RAV-GM2241AT8-E**	**RAV-GM2801AT8-E**
Cooling capacity				kW	20.0<4.6-22.4>	23.5<4.6-27.0>
Heating capacity				kW	22.4<4.6-25.0>	27.0<4.6-31.5>
Power supply				Phase-Hz-V	3N-50-380/415	3N-50-380/415
Electrical characteristics	Cooling	Running current	380V-415V	A	9.97-9.13	14.65-13.42
		Power input	Rated(Min.-Max.)	kW	6.17(1.01-8.83)	8.97(1.01-11.51)
		EER			3.24	2.62
	Heating	Running current	380V-415V	A	9.52-8.72	12.79-11.71
		Power input	Rated(Min.-Max.)	kW	5.71(0.93-9.93)	7.56(0.93-13.47)
		COP			3.92	3.57
	Maximum current			A	18.0	23.0
Indoor unit						
Model name					RAV-RM561CTP-E	RAV-RM801CTP-E
Appearance	Main unit				Pure White (N9.1)	Pure White (N9.1)
Dimension	Height			mm	235	235
	Width			mm	950	1270
	Depth			mm	690	690
Weight				kg	23	29
Heat exchanger					Finned tube	Finned tube
Fan unit	Fan				Centrifugal fan	Centrifugal fan
	Standard air flow		H/M/L	m^3/h	900/720/540	1410/1000/750
	Motor output			W	94	94
Sound pressure level			H/M/L	dB(A)	37/35/28	41/36/29
Sound power level			H/M/L	dB(A)	52/50/43	56/51/44
Branch-kit	(Sold separately)				RBC-DTWP101E	RBC-DTWP101E
Outdoor unit						
Model name					RAV-GM2241AT8-E	RAV-GM2801AT8-E
Dimension	Height			mm	1550	1550
	Width			mm	1010	1010
	Depth			mm	370	370
Weight				kg	142	142
Compressor type					DC Twin Rotary	DC Twin Rotary
Fan motor output				W	200+200	200+200
Air flow				m^3/h	9150	10890
Refrigerant Quantity in Outdoor unit				kg	5.0	5.0
Additional refrigerant charge				g/m	40	80
Pipe connections	Pipe length	At rated performance		m	7.5	7.5
	Minimum Pipe length			m	5.0	5.0
	Maximum Pipe length			m	60.0	60.0
	Maximum Height difference			m	30.0	30.0
	Maximum Chargeless length			m	30.0	30.0
Flare connection	Main pipe		Gas/Liquid	mm	28.6/12.7	28.6/12.7
	Branch pipe		Gas/Liquid	mm	12.7/6.4	15.9/9.5
Sound pressure level	Cooling/Heating			dB(A)	58/60	61/63
Sound power level	Cooling/Heating			dB(A)	76/76	78/80
Operating range	Cooling			DBC	-15 to 46	-15 to 46
	Heating			WBC	-20 to 15	-20 to 15

*1 : The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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 operation environment become larger than the indicated values due to the effects of external sound.

*3 : Height from the ceiling.

Notes :

Rated conditions
Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB
Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

<Triple type>

Model name	**Indoor unit1**				**RAV-RM801KRTP-E**	**RAV-RM801KRTP-E**
	Indoor unit2				**RAV-RM801KRTP-E**	**RAV-RM801KRTP-E**
	Indoor unit3				**RAV-RM801KRTP-E**	**RAV-RM801KRTP-E**
	Outdoor unit				**RAV-GM2241AT8-E**	**RAV-GM2801AT8-E**
Cooling capacity				kW	20.0<4.6-22.4>	23.5<4.6-27.0>
Heating capacity				kW	22.4<4.6-25.0>	27.0<4.6-31.5>
Power supply				Phase-Hz-V	3N-50-380/415	3N-50-380/415
Electrical characteristics	Cooling	Running current	380V-415V	A	10.78-9.87	15.06-13.79
		Power input	Rated(Min.-Max.)	kW	6.67(1.01-8.83)	9.22(1.01-11.51)
		EER			3.00	2.65
	Heating	Running current	380V-415V	A	10.20-9.34	12.94-11.85
		Power input	Rated(Min.-Max.)	kW	6.12(0.93-9.93)	7.65(0.93-13.47)
		COP			3.66	3.53
	Maximum current			A	18.0	23.0
Indoor unit						
Model name					RAV-RM801KRTP-E	RAV-RM801KRTP-E
Appearance	Main unit					
Dimension	Height			mm	320	320
	Width			mm	1050	1050
	Depth			mm	250	250
Weight				kg	14	14
Heat exchanger					Finned tube	Finned tube
Fan unit	Fan				Cross flow fan	Cross flow fan
	Standard air flow		H/M/L	m^3/h	1040/910/680	1040/910/680
	Motor output			W	30	30
Sound pressure level			H/M/L	dB(A)	45/41/35	45/41/35
Sound power level			H/M/L	dB(A)	60/56/50	60/56/50
Branch-kit	(Sold separately)				RBC-TRP100E	RBC-TRP100E
Outdoor unit						
Model name					RAV-GM2241AT8-E	RAV-GM2801AT8-E
Dimension	Height			mm	1550	1550
	Width			mm	1010	1010
	Depth			mm	370	370
Weight				kg	142	142
Compressor type					DC Twin Rotary	DC Twin Rotary
Fan motor output				W	200+200	200+200
Air flow				m^3/h	9150	10890
Refrigerant Quantity in Outdoor unit				kg	5.0	5.0
Additional refrigerant charge				g/m	40	80
Pipe connections	Pipe length	At rated performance		m	7.5	7.5
	Minimum Pipe length			m	5.0	5.0
	Maximum Pipe length			m	60.0	60.0
	Maximum Height difference			m	30.0	30.0
	Maximum Chargeless length			m	30.0	30.0
Flare connection	Main pipe		Gas/Liquid	mm	28.6/12.7	28.6/12.7
	Branch pipe		Gas/Liquid	mm	15.9/9.5	15.9/9.5
Sound pressure level	Cooling/Heating			dB(A)	58/60	61/63
Sound power level	Cooling/Heating			dB(A)	76/76	78/80
Operating range	Cooling			DBC	-15 to 46	-15 to 46
	Heating			WBC	-20 to 15	-20 to 15

*1 : The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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 operation environment become larger than the indicated values due to the effects of external sound.

*3 : Height from the ceiling.

Notes :

Rated conditions

Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB

Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

<Double Twin type>

Model name	**Indoor unit1**				**RAV-RM561KRTP-E**	**RAV-RM801KRTP-E**
	Indoor unit2				**RAV-RM561KRTP-E**	**RAV-RM801KRTP-E**
	Indoor unit3				**RAV-RM561KRTP-E**	**RAV-RM801KRTP-E**
	Indoor unit4				**RAV-RM561KRTP-E**	**RAV-RM801KRTP-E**
	Outdoor unit				**RAV-GM2241AT8-E**	**RAV-GM2801AT8-E**
Cooling capacity				kW	20.0<4.6-22.4>	23.5<4.6-27.0>
Heating capacity				kW	22.4<4.6-25.0>	27.0<4.6-31.5>
Power supply				Phase-Hz-V	3N-50-380/415	3N-50-380/415
Electrical characteristics	Cooling	Running current	380V-415V	A	10.78-9.87	15.06-13.79
		Power input	Rated(Min.-Max.)	kW	6.67(1.01-8.83)	9.22(1.01-11.51)
		EER			3.00	2.55
	Heating	Running current	380V-415V	A	10.20-9.34	12.94-11.85
		Power input	Rated(Min.-Max.)	kW	6.12(0.93-9.93)	7.65(0.93-13.47)
		COP			3.66	3.53
	Maximum current			A	18.0	23.0
Indoor unit						
Model name					RAV-RM561KRTP-E	RAV-RM801KRTP-E
Appearance	Main unit					
Dimension	Height			mm	320	320
	Width			mm	1050	1050
	Depth			mm	250	250
Weight				kg	14	14
Heat exchanger					Finned tube	Finned tube
Fan unit	Fan				Cross flow fan	Cross flow fan
	Standard air flow		H/M/L	m^3/h	960/830/680	1040/910/680
	Motor output			W	30	30
Sound pressure level			H/M/L	dB(A)	42 / 39 / 35	45 / 41 / 35
Sound power level			H/M/L	dB(A)	57 / 54 / 50	60 / 56 / 50
Branch-kit	(Sold separately)				RBC-DTWP101E	RBC-DTWP101E
Outdoor unit						
Model name					RAV-GM2241AT8-E	RAV-GM2801AT8-E
Dimension	Height			mm	1550	1550
	Width			mm	1010	1010
	Depth			mm	370	370
Weight				kg	142	142
Compressor type					DC Twin Rotary	DC Twin Rotary
Fan motor output				W	200+200	200+200
Air flow				m^3/h	9150	10890
Refrigerant Quantity in Outdoor unit				kg	5.0	5.0
Additional refrigerant charge				g/m	40	80
Pipe connections	Pipe length	At rated performance		m	7.5	7.5
	Minimum Pipe length			m	5.0	5.0
	Maximum Pipe length			m	60.0	60.0
	Maximum Height difference			m	30.0	30.0
	Maximum Chargeless length			m	30.0	30.0
Flare connection	Main pipe		Gas/Liquid	mm	28.6/12.7	28.6/12.7
	Branch pipe		Gas/Liquid	mm	12.7/6.4	15.9/9.5
Sound pressure level	Cooling/Heating			dB(A)	58/60	61/63
Sound power level	Cooling/Heating			dB(A)	76/76	78/80
Operating range	Cooling			DBC	-15 to 46	-15 to 46
	Heating			WBC	-20 to 15	-20 to 15

*1 : The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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 operation environment become larger than the indicated values due to the effects of external sound.

*3 : Height from the ceiling.

Notes :

Rated conditions

Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB

Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

<Twin type>

Model name	**Indoor unit1**				**RAV-RM1101FT-EN/ES**	**RAV-RM1401FT-EN/ES**
	Indoor unit2				**RAV-RM1101FT-EN/ES**	**RAV-RM1401FT-EN/ES**
	Outdoor Unit				**RAV-GM2241AT8-E**	**RAV-GM2801AT8-E**
Cooling capacity			Rated (Min.-Max.)	kW	20.0 <4.6- 22.4 >	23.5 <4.6- 27.0 >
Heating capacity			Rated (Min.-Max.)	kW	22.4 <4.6- 25.0 >	27.0 <4.6- 31.5 >
Power supply				Phase-Hz-V	3N-50-380/415	3N-50-380/415
Electrical characteristics	Cooling	Running current	380-415V	A	9.97 - 9.13	14.49 - 13.27
		Power input	Rated (Min.-Max.)	kW	6.17 (1.01-8.83)	8.87 (1.01-11.69)
		EER			3.24	2.65
	Heating	Running current	380-415V	A	10.15 - 9.29	13.41 - 12.28
		Power input	Rated (Min.-Max.)	kW	5.63 (0.93-9.93)	8.21 (0.93-13.65)
		COP			3.98	3.29
	Maximum current			A	18.0	23.0
Indoor unit						
Model name					RAV-RM1101FT-EN	RAV-RM1401FT-EN
Appearance	Main unit					
Dimension			Height	mm	1750	1750
			Width	mm	600	600
			Depth	mm	390	390
Weight				kg	59	59
Heat exchanger					Finned tube	Finned tube
Fan unit	Fan				Centrifugal fan	Centrifugal fan
	Standard air flow		High (M+ / M / L+ / L)	m^3/h	1660(1550/1420/1300/ 1190)	1760(1630/1480/1370/ 1350)
	Motor			W	109	109
Sound pressure level			High (M+ / M / L+ / L)	dB(A)	51(49/46/44/41)	53(51/48/46/45)
Sound power level			High (M+ / M / L+ / L)	dB(A)	65(63/61/58/55)	67(65/62/60/59)
Branch-kit	(Sold separately)				RBC-TWP101E	RBC-TWP101E
Outdoor Unit						
Model name					RAV-GM2241AT8-E	RAV-GM2801AT8-E
Dimension			Height	mm	1550	1550
			Width	mm	1010	1010
			Depth	mm	370	370
Weight				kg	142	142
Compressor type					DC Twin Rotary	DC Twin Rotary
Fan moter output				W	200+200	200+200
Air flow				m^3/h	9150	10890
Refrigerant Quantity in Outdoor unit				kg	5.0	5.0
Additional refrigerant charge				g/m	The value is calculated	The value is calculated
Pipe connections	Pipe length	At rated performance		m	7.5	7.5
	Minimum Pipe length			m	5	5
	Maximum Pipe length			m	60	60
	Maximum Height difference			m	30	30
	Maximum Chargeless length			m	30	30
Flare connection	Main pipe		Gas/Liquid	m	28.6/12.7	28.6/12.7
	Branch pipe		Gas/Liquid	m	15.9/9.5	15.9/9.5
Sound pressure level	Cooling/Heating			dB(A)	58/60	61/63
Sound power level	Cooling/Heating			dB(A)	76/76	78/80
Operation Range	Cooling			DBC	-15 to 46	-15 to 46
	Heating			WBC	-27 to 15	-27 to 15

*1 : The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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.
*3 : Height from the ceiling. Depth doesn't include the electric parts box.

Notes :
Rated conditions
Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB
Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

<Triple type>

Model name	**Indoor unit1**				**RAV-RM801FT-EN/ES**	**RAV-RM801FT-EN/ES**
	Indoor unit2				**RAV-RM801FT-EN/ES**	**RAV-RM801FT-EN/ES**
	Indoor unit3				**RAV-RM801FT-EN/ES**	**RAV-RM801FT-EN/ES**
	Outdoor Unit				**RAV-GM2241AT8-E**	**RAV-GM2801AT8-E**
Cooling capacity			Rated (Min.-Max.)	kW	20.0 <4.6- 22.4 >	23.5 <4.6- 27.0 >
Heating capacity			Rated (Min.-Max.)	kW	22.4 <4.6- 25.0 >	27.0 <4.6- 31.5 >
Power supply				Phase-Hz-V	3N-50-380/415	3N-50-380/415
Electrical characteristics	Cooling	Running current	380-415V	A	9.97 - 9.13	14.49 - 13.27
		Power input	Rated (Min.-Max.)	kW	6.17 (1.01-8.83)	8.87 (1.01-11.69)
		EER			3.24	2.65
	Heating	Running current	380-415V	A	10.15 - 9.29	13.41 - 12.28
		Power input	Rated (Min.-Max.)	kW	5.63 (0.93-9.93)	8.21 (0.93-13.65)
		COP			3.98	3.29
	Maximum current			A	18.0	23.0
Indoor unit						
Model name					RAV-RM801FT-EN	RAV-RM801FT-EN
Appearance	Main unit				Zinc hot dipping steel plate	
Dimension			Height	mm	1750	1750
			Width	mm	600	600
			Depth	mm	210	210
Weight				kg	45	45
Heat exchanger					Finned tube	Finned tube
Fan unit	Fan				Centrifugal fan	Centrifugal fan
	Standard air flow		High (M+ / M / L+ / L)	m^3/h	930(830/770/700/640)	930(830/770/700/640)
	Motor			W	62	62
Sound pressure level			High (M+ / M / L+ / L)	dB(A)	50(47/45/43/41)	50(47/45/43/41)
Sound power level			High (M+ / M / L+ / L)	dB(A)	64(61/60/57/54)	64(61/60/57/54)
Branch-kit	(Sold separately)				RBC-TRP100E	RBC-TRP100E
Outdoor unit						
Model name					RAV-GM2241AT8-E	RAV-GM2801AT8-E
Dimension			Height	mm	1550	1550
			Width	mm	1010	1010
			Depth	mm	370	370
Weight				kg	142	142
Compressor type					DC Twin Rotary	DC Twin Rotary
Fan moter output				W	200+200	200+200
Air flow				m^3/h	9150	10890
Refrigerant Quantity in Outdoor unit				kg	5.0	5.0
Additional refrigerant charge				g/m	The value is calculated	The value is calculated
Pipe connections	Pipe length	At rated performance		m	7.5	7.5
	Minimum Pipe length			m	5	5
	Maximum Pipe length			m	60	60
	Maximum Height difference			m	30	30
	Maximum Chargeless length			m	30	30
Flare connection	Main pipe		Gas/Liquid	m	28.6/12.7	28.6/12.7
	Branch pipe		Gas/Liquid	m	15.9/9.5	15.9/9.5
Sound pressure level	Cooling/Heating			dB(A)	58/60	61/63
Sound power level	Cooling/Heating			dB(A)	76/76	78/80
Operation Range	Cooling			DBC	-15 to 46	-15 to 46
	Heating			WBC	-27 to 15	-27 to 15

*1 : The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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.

*3 : Height from the ceiling. Depth doesn't include the electric parts box.

Notes :

Rated conditions

Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB

Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

<Double Twin type>

Model name	**Indoor unit1**				**RAV-RM561FT-EN/ES**	**RAV-RM801FT-EN/ES**
	Indoor unit2				**RAV-RM561FT-EN/ES**	**RAV-RM801FT-EN/ES**
	Indoor unit3				**RAV-RM561FT-EN/ES**	**RAV-RM801FT-EN/ES**
	Indoor unit4				**RAV-RM561FT-EN/ES**	**RAV-RM801FT-EN/ES**
	Outdoor Unit				**RAV-GM2241AT8-E**	**RAV-GM2801AT8-E**
Cooling capacity			Rated (Min.-Max.)	kW	20.0 <4.6- 22.4 >	23.5 <4.6- 27.0 >
Heating capacity			Rated (Min.-Max.)	kW	22.4 <4.6- 25.0 >	27.0 <4.6- 31.5 >
Power supply				Phase-Hz-V	3N-50-380/415	3N-50-380/415
Electrical characteristics	Cooling	Running current	380-415V	A	9.97 - 9.13	14.49 - 13.27
		Power input	Rated (Min.-Max.)	kW	6.17 (1.01-8.83)	8.87 (1.01-11.69)
		EER			3.24	2.65
	Heating	Running current	380-415V	A	10.15 - 9.29	13.41 - 12.28
		Power input	Rated (Min.-Max.)	kW	5.63 (0.93-9.93)	8.21 (0.93-13.65)
		COP			3.98	3.29
	Maximum current			A	18.0	23.0
Indoor unit						
Model name					RAV-RM561FT-EN	RAV-RM801FT-EN
Appearance	Main unit				Zinc hot dipping steel plate	
Dimension			Height	mm	1750	1750
			Width	mm	600	600
			Depth	mm	210	210
Weight				kg	44	45
Heat exchanger					Finned tube	Finned tube
Fan unit	Fan				Centrifugal fan	Centrifugal fan
	Standard air flow		High (M+ / M / L+ / L)	m^3/h	820(760/700/640/600)	930(830/770/700/640)
	Motor			W	62	62
Sound pressure level			High (M+ / M / L+ / L)	dB(A)	46(44/42/40/38)	50(47/45/43/41)
Sound power level			High (M+ / M / L+ / L)	dB(A)	60(58/56/54/52)	64(61/60/57/54)
Branch-kit	(Sold separately)				RBC-DTWP101E	RBC-DTWP101E
Outdoor unit						
Model name					RAV-GM2241AT8-E	RAV-GM2801AT8-E
Dimension			Height	mm	1550	1550
			Width	mm	1010	1010
			Depth	mm	370	370
Weight				kg	142	142
Compressor type					DC Twin Rotary	DC Twin Rotary
Fan moter output				W	200+200	200+200
Air flow				m^3/h	9150	10890
Refrigerant Quantity in Outdoor unit				kg	5.00	5.00
Additional refrigerant charge				g/m	The value is calculated	The value is calculated
Pipe connections	Pipe length	At rated performance		m	7.5	7.5
	Minimum Pipe length			m	5	5
	Maximum Pipe length			m	60	60
	Maximum Height difference			m	30	30
	Maximum Chargeless length			m	30	30
Flare connection	Main pipe		Gas/Liquid	m	28.6/12.7	28.6/12.7
	Branch pipe		Gas/Liquid	m	15.9/9.5	15.9/9.5
Sound pressure level	Cooling/Heating			dB(A)	58 /60	61 /63
Sound power level	Cooling/Heating			dB(A)	76 /76	78 /80
Operation Range	Cooling			DBC	-15 to 46	-15 to 46
	Heating			WBC	-27 to 15	-27 to 15

*1 :The Cooling capacity and electrical characteristics are measured under the conditions specified by JIS B 8615-1 based on the reference piping.
The reference piping consists of 5m of main piping and 2.5m 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.

*3 : Height from the ceiling. Depth doesn't include the electric parts box.

Notes :

Rated conditions
Cooling : Indoor air temperature 27°CDB/ 19°CWB, Outdoor air temperature 35°CDB
Heating : Indoor air temperature 20°CDB, Outdoor air temperature 7°CDB/ 6°CWB

Model name	Outdoor unit			RAV-GM2241AT8(J)-E	RAV-GM2801AT8(J)-E
Power supply				3 phase 380-415, 50Hz (Power exclusive to outdoor is required)	
Compressor	Type			Hermetic compressor	
	Motor		kW	5.6	5.6
	Pole			4	4
Refrigerant charged			kg	5.0	5.0
Refrigerant control				Pulse motor valve	
Pipe	Max		m	60	60
	Min		m	5	5
	Height	Outdoor lower	m	30	30
	difference	Outdoor Height	m	30	30
Outer dimension	Height		m	1,550	1,550
	Width		m	1,010	1,010
	Depth		m	370	370
Appearance				Silky shade (Munsell 1Y8.5/0.5)	
Total weight			kg	142	142
Heat exchanger				Finned tube	
Fan unit	Fan			Propeller fan	
	Standard air flow		m^3/min	153	153
	Motor		W	200+200	200+200
Connecting pipe (Outdoor unit side)	Gas side		mm	28.6	28.6
	Liquid side		mm	12.7	12.7
Sound pressure level	Cooling/Heating		dB(A)	58/60	61/63
Sound power level	Cooling/Heating		dB(A)	76/76	78/80
Outside air temperature cooling			°C	46 to -15°C	
Outside air temperature heating			°C	15 to -27°C	

1-2. Dimension

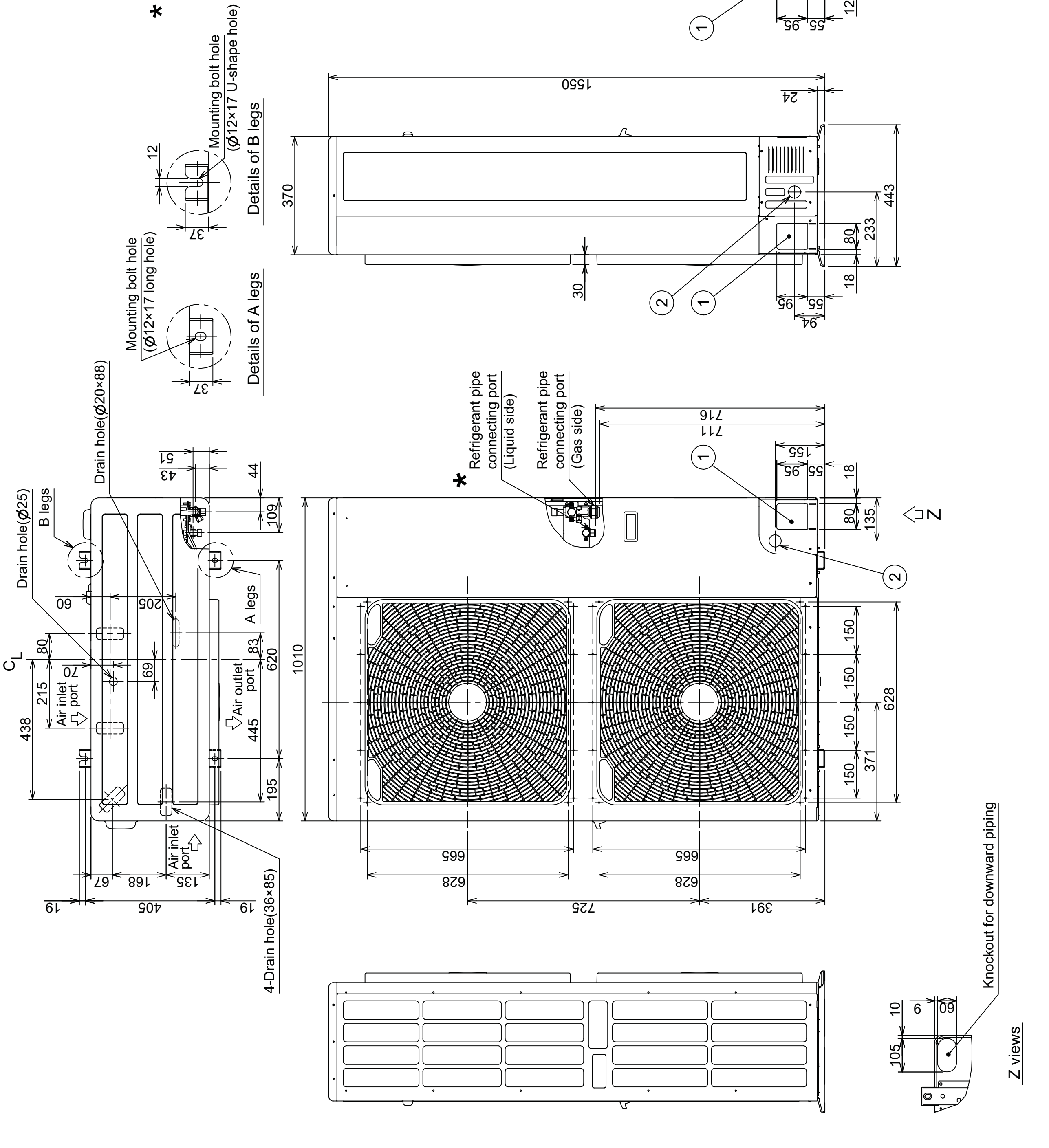
RAV-GM2241AT8(J)-E
RAV-GM2801AT8(J)-E

	Name	Note
①	Refrigerant piping hole Indoor/Outdoor Unit connecting wire inlet hole	Knockout hole
②	Power supply inlet hole	Ø38 Knockout hole

Diameter of pipe connecting port		Diameter of connecting pipe	
Liquid side	Gas side	Liquid side	Gas side
Ø12.7	Ø19.1	Ø12.7	Ø28.6

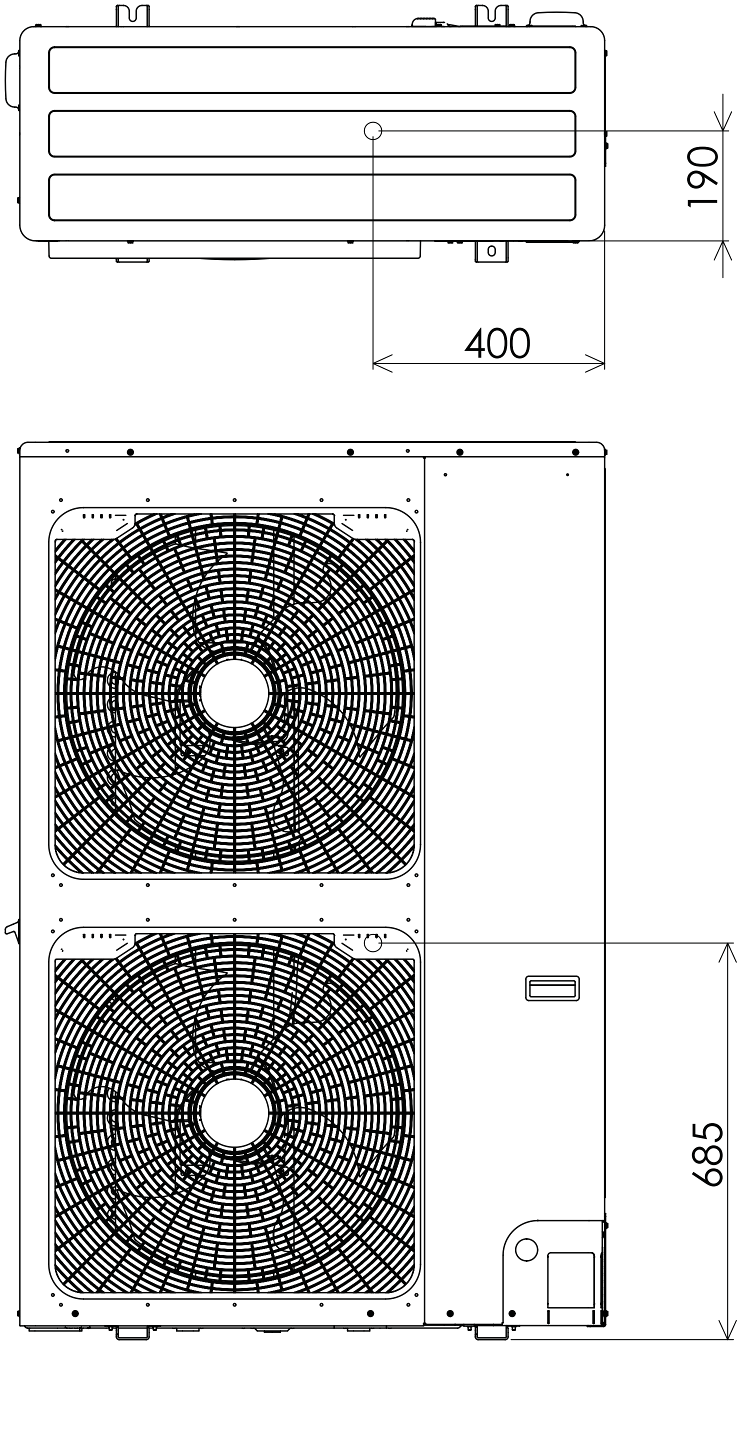
* The diameter of ball valve connecting port on the outdoor unit is Ø19.1, and therefore please use the accessory joint for installation.

(Unit:mm)



1-3. Center of Gravity

RAV-GM2241AT8(J)-E
RAV-GM2801AT8(J)-E



1-4. Wiring Drawing

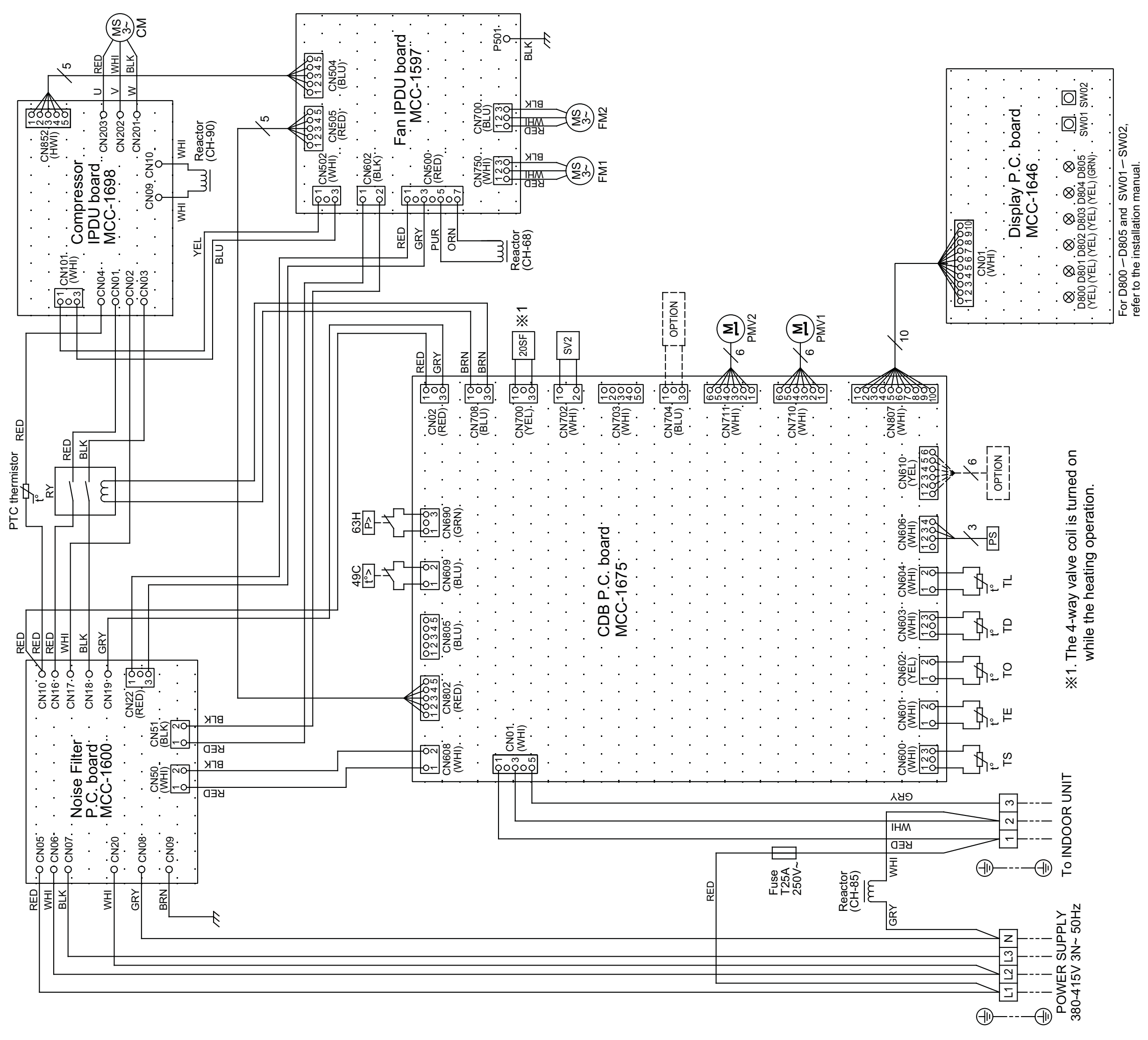
RAV-GM2241AT8(J)-E
RAV-GM2801AT8(J)-E

Symbol	Part name
CM	Compressor
FM1,2	Fan motor
PMV1,2	Pulse motor valve
PS	Low-pressure sensor
RY	Relay
SV2	2-way valve coil
TD	Pipe temperature sensor(Discharge)
TS	Pipe temperature sensor(Suction)
TE	Heat exchanger sensor 1
TL	Heat exchanger sensor 2
TO	Outside temperature sensor
20SF	4-way valve coil
49C	Compressor case thermostat
63H	High-pressure switch

———	Field wiring
⏚	Protective earth
▭	Terminal block
—○—	Terminal
▣	Connector
⁝⁝	P.C.board

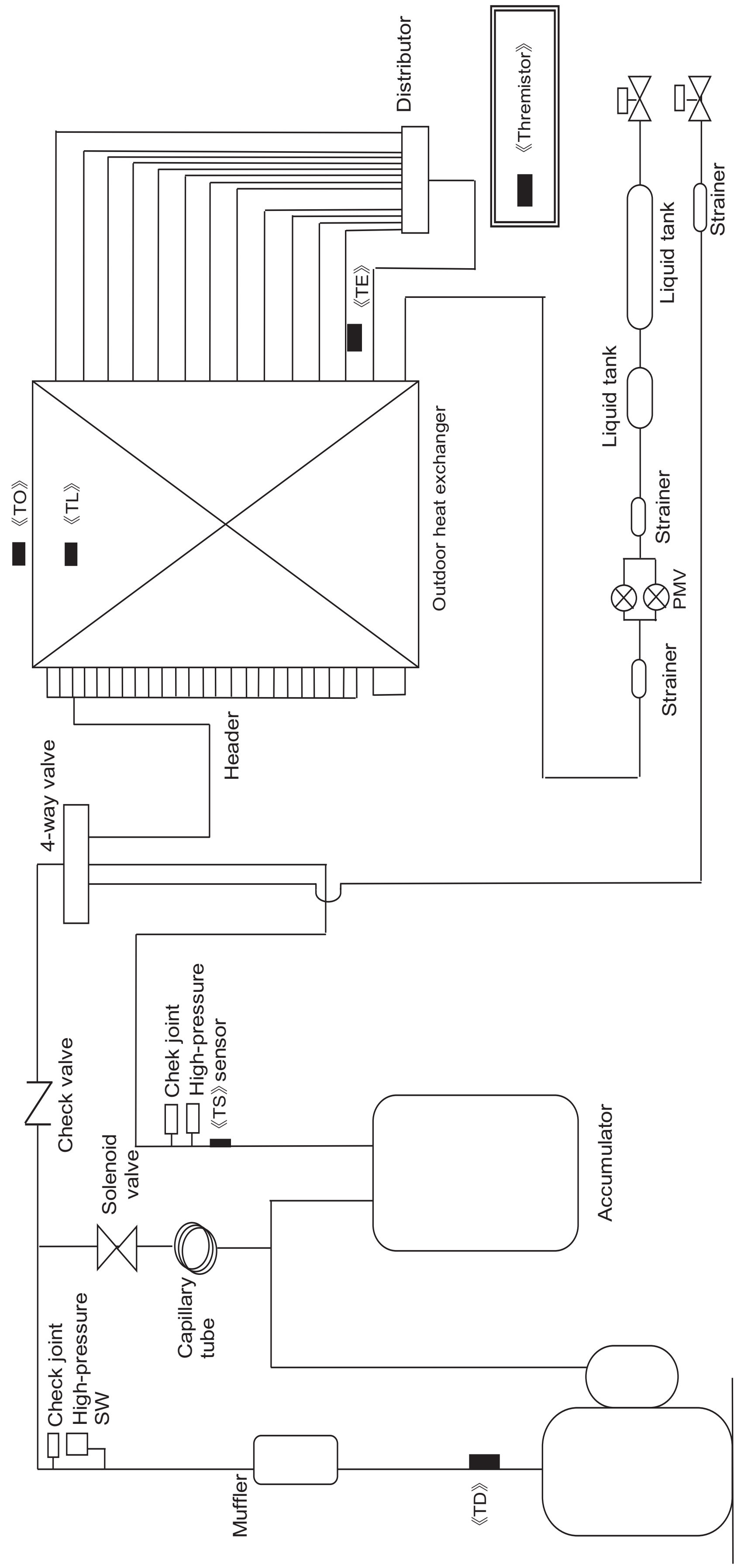
Color Indication

BLK : BLACK	GRY : GRAY
BLU : BLUE	BRN : BROWN
RED : RED	PUR : PURPLE
YEL : YELLOW	ORN : ORANGE
WHI : WHITE	GRN : GREEN



1-5. Refrigerant Cycle Diagram

RAV-GM2241AT8-E
RAV-GM2801AT8-E



	Connecting pipe inner dia.		Connecting pipe outer dia.	
	Liquid pipe	Gas pipe	Liquid pipe	Gas pipe
RAV-GM2241AT8-E	φ9.5	φ19.1	φ9.5	φ28.6
RAV-GM2801AT8-E	φ12.7	φ19.1	φ12.7	φ28.6

1-6. Sensible Capacity Table

Sensible Heat Capacity : RAV-RM***UTP-E

RAV-GM2241AT8-E / RAV-RM1101UTP-E (Twin)

unit size	outdoor air temp. CDB	indoor air temp. 14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
1101	10.0	9.4	7.8	9.9	8.2	10.4	8.6	10.7	8.9	11.1	9.2	11.4	9.4	11.8	9.7	12.5	10.3	13.0	10.8
	12.0	9.3	7.7	9.8	8.1	10.3	8.5	10.7	8.8	11.0	9.1	11.4	9.4	11.7	9.7	12.4	10.2	12.9	10.7
	14.0	9.3	7.7	9.8	8.1	10.2	8.5	10.6	8.8	11.0	9.1	11.3	9.3	11.6	9.6	12.3	10.2	12.9	10.6
	16.0	9.2	7.6	9.7	8.0	10.2	8.4	10.5	8.7	10.9	9.0	11.2	9.3	11.5	9.5	12.2	10.1	12.8	10.6
	18.0	9.1	7.6	9.6	7.9	10.1	8.3	10.4	8.6	10.8	8.9	11.1	9.2	11.4	9.5	12.1	10.0	12.7	10.5
	20.0	9.1	7.5	9.5	7.9	10.0	8.3	10.4	8.6	10.7	8.9	11.0	9.1	11.3	9.4	12.0	9.9	12.6	10.4
	21.0	9.0	7.5	9.5	7.8	10.0	8.2	10.3	8.5	10.7	8.8	11.0	9.1	11.3	9.3	12.0	9.9	12.5	10.3
	23.0	8.9	7.4	9.4	7.8	9.9	8.2	10.2	8.4	10.6	8.7	10.9	9.0	11.2	9.2	11.8	9.8	12.4	10.2
	25.0	8.8	7.3	9.3	7.7	9.8	8.1	10.1	8.3	10.4	8.6	10.8	8.9	11.1	9.1	11.7	9.7	12.2	10.1
	27.0	8.7	7.2	9.2	7.6	9.6	8.0	10.0	8.2	10.3	8.5	10.6	8.8	10.9	9.0	11.6	9.6	12.1	10.0
	29.0	8.6	7.1	9.1	7.5	9.5	7.9	9.8	8.1	10.2	8.4	10.5	8.7	10.8	8.9	11.4	9.4	11.9	9.9
	31.0	8.5	7.0	8.9	7.4	9.4	7.7	9.7	8.0	10.0	8.3	10.3	8.5	10.6	8.8	11.3	9.3	11.8	9.7
	33.0	8.4	6.9	8.8	7.3	9.2	7.6	9.6	7.9	9.9	8.2	10.2	8.4	10.5	8.6	11.1	9.2	11.6	9.6
	35.0	8.2	6.8	8.6	7.1	9.1	7.5	9.4	7.8	9.7	8.0	10.0	8.3	10.3	8.5	10.9	9.0	11.4	9.4
	37.0	8.1	6.7	8.5	7.0	8.9	7.4	9.2	7.6	9.5	7.9	9.8	8.1	10.1	8.3	10.7	8.8	11.2	9.2
	39.0	7.9	6.5	8.3	6.9	8.7	7.2	9.0	7.5	9.3	7.7	9.6	7.9	9.9	8.2	10.5	8.7	10.9	9.1

RAV-GM2241AT8-E / RAV-RM801UTP-E (Triple)

unit size	outdoor air temp. CDB	indoor air temp. 14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
801	10.0	7.9	6.8	8.2	7.0	8.5	7.2	8.7	7.4	8.9	7.6	9.1	7.8	9.4	8.0	9.8	8.2	10.2	8.3
	12.0	7.8	6.7	8.1	6.9	8.4	7.1	8.6	7.3	8.8	7.5	9.0	7.7	9.3	7.9	9.7	8.1	10.1	8.2
	14.0	7.7	6.6	8.0	6.8	8.3	7.0	8.5	7.2	8.7	7.4	8.9	7.6	9.2	7.8	9.6	8.0	10.0	8.1
	16.0	7.6	6.5	7.9	6.7	8.2	6.9	8.4	7.1	8.6	7.3	8.8	7.5	9.1	7.7	9.5	7.9	9.9	8.0
	18.0	7.5	6.4	7.8	6.6	8.1	6.8	8.3	7.0	8.5	7.2	8.7	7.4	9.0	7.6	9.4	7.8	9.8	7.9
	20.0	7.4	6.3	7.7	6.5	8.0	6.7	8.2	6.9	8.4	7.1	8.6	7.3	8.9	7.5	9.3	7.7	9.7	7.8
	21.0	7.3	6.2	7.6	6.4	7.9	6.6	8.1	6.8	8.3	7.0	8.5	7.2	8.8	7.4	9.2	7.6	9.6	7.7
	23.0	7.2	6.1	7.5	6.3	7.8	6.5	8.0	6.7	8.2	6.9	8.4	7.1	8.7	7.3	9.1	7.5	9.5	7.6
	25.0	7.1	6.0	7.4	6.2	7.7	6.4	7.9	6.6	8.1	6.8	8.3	7.0	8.6	7.2	9.0	7.4	9.4	7.5
	27.0	7.0	5.9	7.3	6.1	7.6	6.3	7.8	6.5	8.0	6.7	8.2	6.9	8.5	7.1	8.9	7.3	9.3	7.4
	29.0	6.8	5.8	7.1	6.0	7.4	6.2	7.6	6.4	7.8	6.6	8.0	6.8	8.3	7.0	8.7	7.2	9.1	7.3
	31.0	6.5	5.6	6.8	5.8	7.1	6.0	7.3	6.2	7.5	6.4	7.7	6.6	8.0	6.8	8.4	7.0	8.8	7.1
	33.0	6.2	5.4	6.5	5.6	6.8	5.8	7.0	6.0	7.2	6.2	7.4	6.4	7.7	6.6	8.1	6.8	8.5	6.9
	35.0	5.9	5.2	6.2	5.4	6.5	5.6	6.7	5.8	6.9	6.0	7.1	6.2	7.4	6.4	7.8	6.6	8.2	6.7
	37.0	5.8	5.1	6.1	5.3	6.4	5.5	6.6	5.7	6.8	5.9	7.0	6.1	7.3	6.3	7.7	6.5	8.1	6.6
	39.0	5.6	5.0	5.9	5.2	6.2	5.4	6.4	5.6	6.6	5.8	6.8	6.0	7.1	6.2	7.5	6.4	7.9	6.5

RAV-GM2241AT8-E / RAV-RM561UTP-E (Double twin)

unit size	outdoor air temp. CDB	indoor air temp. 14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
561	10.0	4.7	3.9	4.9	4.1	5.2	4.3	5.4	4.4	5.6	4.6	5.7	4.7	5.9	4.9	6.2	5.1	6.5	5.4
	12.0	4.7	3.9	4.9	4.1	5.2	4.3	5.3	4.4	5.5	4.6	5.7	4.7	5.8	4.8	6.2	5.1	6.5	5.3
	14.0	4.6	3.8	4.9	4.0	5.1	4.2	5.3	4.4	5.5	4.5	5.6	4.7	5.8	4.8	6.1	5.1	6.4	5.3
	16.0	4.6	3.8	4.8	4.0	5.1	4.2	5.3	4.4	5.4	4.5	5.6	4.6	5.8	4.8	6.1	5.0	6.4	5.3
	18.0	4.6	3.8	4.8	4.0	5.0	4.2	5.2	4.3	5.4	4.5	5.6	4.6	5.7	4.7	6.1	5.0	6.3	5.2
	20.0	4.5	3.7	4.8	3.9	5.0	4.1	5.2	4.3	5.4	4.4	5.5	4.6	5.7	4.7	6.0	5.0	6.3	5.2
	21.0	4.5	3.7	4.7	3.9	5.0	4.1	5.2	4.3	5.3	4.4	5.5	4.5	5.6	4.7	6.0	4.9	6.3	5.2
	23.0	4.5	3.7	4.7	3.9	4.9	4.1	5.1	4.2	5.3	4.4	5.4	4.5	5.6	4.6	5.9	4.9	6.2	5.1
	25.0	4.4	3.6	4.6	3.8	4.9	4.0	5.0	4.2	5.2	4.3	5.4	4.4	5.5	4.6	5.9	4.8	6.1	5.1
	27.0	4.4	3.6	4.6	3.8	4.8	4.0	5.0	4.1	5.2	4.3	5.3	4.4	5.5	4.5	5.8	4.8	6.0	5.0
	29.0	4.3	3.6	4.5	3.7	4.8	3.9	4.9	4.1	5.1	4.2	5.2	4.3	5.4	4.5	5.7	4.7	6.0	4.9
	31.0	4.2	3.5	4.5	3.7	4.7	3.9	4.9	4.0	5.0	4.1	5.2	4.3	5.3	4.4	5.6	4.7	5.9	4.9
	33.0	4.2	3.5	4.4	3.6	4.6	3.8	4.8	3.9	4.9	4.1	5.1	4.2	5.2	4.3	5.5	4.6	5.8	4.8
	35.0	4.1	3.4	4.3	3.6	4.5	3.7	4.7	3.9	4.9	4.0	5.0	4.1	5.1	4.3	5.4	4.5	5.7	4.7
	37.0	4.0	3.3	4.2	3.5	4.4	3.7	4.6	3.8	4.8	3.9	4.9	4.1	5.0	4.2	5.3	4.4	5.6	4.6
	39.0	3.9	3.3	4.2	3.4	4.4	3.6	4.5	3.7	4.7	3.9	4.8	4.0	4.9	4.1	5.2	4.3	5.5	4.5

TC:Total Capacity [kW]
SHC:Sensible Heat Capacity [kW]

Sensible Heat Capacity : RAV-RM***UTP-E

RAV-GM2801AT8-E / RAV-RM1401UTP-E (Twin)

		indoor air temp.																	
unit size	outdoor air temp. CDB	14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
1401	10.0	11.7	8.7	12.3	9.2	13.0	9.6	13.4	10.0	13.9	10.3	14.3	10.6	14.7	10.9	15.6	11.6	16.3	12.1
	12.0	11.7	8.7	12.3	9.1	12.9	9.6	13.3	9.9	13.8	10.2	14.2	10.5	14.6	10.8	15.5	11.5	16.2	12.0
	14.0	11.6	8.6	12.2	9.1	12.8	9.5	13.3	9.8	13.7	10.2	14.1	10.5	14.5	10.8	15.4	11.4	16.1	11.9
	16.0	11.5	8.5	12.1	9.0	12.7	9.4	13.2	9.8	13.6	10.1	14.0	10.4	14.4	10.7	15.3	11.3	16.0	11.9
	18.0	11.4	8.5	12.0	8.9	12.6	9.4	13.1	9.7	13.5	10.0	13.9	10.3	14.3	10.6	15.1	11.2	15.8	11.8
	20.0	11.3	8.4	11.9	8.8	12.5	9.3	12.9	9.6	13.4	9.9	13.8	10.2	14.2	10.5	15.0	11.2	15.7	11.7
	21.0	11.3	8.4	11.9	8.8	12.4	9.2	12.9	9.6	13.3	9.9	13.7	10.2	14.1	10.5	15.0	11.1	15.6	11.6
	23.0	11.2	8.3	11.7	8.7	12.3	9.2	12.8	9.5	13.2	9.8	13.6	10.1	14.0	10.4	14.8	11.0	15.5	11.5
	25.0	11.0	8.2	11.6	8.6	12.2	9.1	12.6	9.4	13.1	9.7	13.4	10.0	13.8	10.3	14.6	10.9	15.3	11.4
	27.0	10.9	8.1	11.5	8.5	12.0	8.9	12.5	9.3	12.9	9.6	13.3	9.9	13.7	10.1	14.5	10.7	15.1	11.2
	29.0	10.8	8.0	11.3	8.4	11.9	8.8	12.3	9.1	12.7	9.5	13.1	9.7	13.5	10.0	14.3	10.6	14.9	11.1
	31.0	10.6	7.9	11.2	8.3	11.7	8.7	12.1	9.0	12.5	9.3	12.9	9.6	13.3	9.9	14.1	10.4	14.7	10.9
	33.0	10.4	7.8	11.0	8.2	11.5	8.6	11.9	8.9	12.3	9.2	12.7	9.4	13.1	9.7	13.8	10.3	14.5	10.8
	35.0	10.3	7.6	10.8	8.0	11.3	8.4	11.7	8.7	12.1	9.0	12.5	9.3	12.9	9.5	13.6	10.1	14.2	10.6
	37.0	10.1	7.5	10.6	7.9	11.1	8.3	11.5	8.6	11.9	8.8	12.3	9.1	12.6	9.4	13.4	9.9	14.0	10.4
	39.0	9.9	7.3	10.4	7.7	10.9	8.1	11.3	8.4	11.7	8.7	12.0	8.9	12.4	9.2	13.1	9.7	13.7	10.2

RAV-GM2801AT8-E / RAV-RM801UTP-E (Triple)

		indoor air temp.																	
unit size	outdoor air temp. CDB	14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
801	10.0	7.9	6.8	8.2	7.0	8.5	7.2	8.7	7.4	8.9	7.6	9.1	7.8	9.4	8.0	9.8	8.2	10.2	8.3
	12.0	7.8	6.7	8.1	6.9	8.4	7.1	8.6	7.3	8.8	7.5	9.0	7.7	9.3	7.9	9.7	8.1	10.1	8.2
	14.0	7.7	6.6	8.0	6.8	8.3	7.0	8.5	7.2	8.7	7.4	8.9	7.6	9.2	7.8	9.6	8.0	10.0	8.1
	16.0	7.6	6.5	7.9	6.7	8.2	6.9	8.4	7.1	8.6	7.3	8.8	7.5	9.1	7.7	9.5	7.9	9.9	8.0
	18.0	7.5	6.4	7.8	6.6	8.1	6.8	8.3	7.0	8.5	7.2	8.7	7.4	9.0	7.6	9.4	7.8	9.8	7.9
	20.0	7.4	6.3	7.7	6.5	8.0	6.7	8.2	6.9	8.4	7.1	8.6	7.3	8.9	7.5	9.3	7.7	9.7	7.8
	21.0	7.3	6.2	7.6	6.4	7.9	6.6	8.1	6.8	8.3	7.0	8.5	7.2	8.8	7.4	9.2	7.6	9.6	7.7
	23.0	7.2	6.1	7.5	6.3	7.8	6.5	8.0	6.7	8.2	6.9	8.4	7.1	8.7	7.3	9.1	7.5	9.5	7.6
	25.0	7.1	6.0	7.4	6.2	7.7	6.4	7.9	6.6	8.1	6.8	8.3	7.0	8.6	7.2	9.0	7.4	9.4	7.5
	27.0	7.0	5.9	7.3	6.1	7.6	6.3	7.8	6.5	8.0	6.7	8.2	6.9	8.5	7.1	8.9	7.3	9.3	7.4
	29.0	6.8	5.8	7.1	6.0	7.4	6.2	7.6	6.4	7.8	6.6	8.0	6.8	8.3	7.0	8.7	7.2	9.1	7.3
	31.0	6.5	5.6	6.8	5.8	7.1	6.0	7.3	6.2	7.5	6.4	7.7	6.6	8.0	6.8	8.4	7.0	8.8	7.1
	33.0	6.2	5.4	6.5	5.6	6.8	5.8	7.0	6.0	7.2	6.2	7.4	6.4	7.7	6.6	8.1	6.8	8.5	6.9
	35.0	5.9	5.2	6.2	5.4	6.5	5.6	6.7	5.8	6.9	6.0	7.1	6.2	7.4	6.4	7.8	6.6	8.2	6.7
	37.0	5.8	5.1	6.1	5.3	6.4	5.5	6.6	5.7	6.8	5.9	7.0	6.1	7.3	6.3	7.7	6.5	8.1	6.6
	39.0	5.6	5.0	5.9	5.2	6.2	5.4	6.4	5.6	6.6	5.8	6.8	6.0	7.1	6.2	7.5	6.4	7.9	6.5

RAV-GM2801AT8-E / RAV-RM801UTP-E (Double twin)

		indoor air temp.																	
unit size	outdoor air temp. CDB	14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
801	10.0	7.9	6.8	8.2	7.0	8.5	7.2	8.7	7.4	8.9	7.6	9.1	7.8	9.4	8.0	9.8	8.2	10.2	8.3
	12.0	7.8	6.7	8.1	6.9	8.4	7.1	8.6	7.3	8.8	7.5	9.0	7.7	9.3	7.9	9.7	8.1	10.1	8.2
	14.0	7.7	6.6	8.0	6.8	8.3	7.0	8.5	7.2	8.7	7.4	8.9	7.6	9.2	7.8	9.6	8.0	10.0	8.1
	16.0	7.6	6.5	7.9	6.7	8.2	6.9	8.4	7.1	8.6	7.3	8.8	7.5	9.1	7.7	9.5	7.9	9.9	8.0
	18.0	7.5	6.4	7.8	6.6	8.1	6.8	8.3	7.0	8.5	7.2	8.7	7.4	9.0	7.6	9.4	7.8	9.8	7.9
	20.0	7.4	6.3	7.7	6.5	8.0	6.7	8.2	6.9	8.4	7.1	8.6	7.3	8.9	7.5	9.3	7.7	9.7	7.8
	21.0	7.3	6.2	7.6	6.4	7.9	6.6	8.1	6.8	8.3	7.0	8.5	7.2	8.8	7.4	9.2	7.6	9.6	7.7
	23.0	7.2	6.1	7.5	6.3	7.8	6.5	8.0	6.7	8.2	6.9	8.4	7.1	8.7	7.3	9.1	7.5	9.5	7.6
	25.0	7.1	6.0	7.4	6.2	7.7	6.4	7.9	6.6	8.1	6.8	8.3	7.0	8.6	7.2	9.0	7.4	9.4	7.5
	27.0	7.0	5.9	7.3	6.1	7.6	6.3	7.8	6.5	8.0	6.7	8.2	6.9	8.5	7.1	8.9	7.3	9.3	7.4
	29.0	6.8	5.8	7.1	6.0	7.4	6.2	7.6	6.4	7.8	6.6	8.0	6.8	8.3	7.0	8.7	7.2	9.1	7.3
	31.0	6.5	5.6	6.8	5.8	7.1	6.0	7.3	6.2	7.5	6.4	7.7	6.6	8.0	6.8	8.4	7.0	8.8	7.1
	33.0	6.2	5.4	6.5	5.6	6.8	5.8	7.0	6.0	7.2	6.2	7.4	6.4	7.7	6.6	8.1	6.8	8.5	6.9
	35.0	5.9	5.2	6.2	5.4	6.5	5.6	6.7	5.8	6.9	6.0	7.1	6.2	7.4	6.4	7.8	6.6	8.2	6.7
	37.0	5.8	5.1	6.1	5.3	6.4	5.5	6.6	5.7	6.8	5.9	7.0	6.1	7.3	6.3	7.7	6.5	8.1	6.6
	39.0	5.6	5.0	5.9	5.2	6.2	5.4	6.4	5.6	6.6	5.8	6.8	6.0	7.1	6.2	7.5	6.4	7.9	6.5

TC:Total Capacity [kW]
SHC:Sensible Heat Capacity [kW]

Sensible Heat Capacity : RAV-RM***MUT-E

RAV-GM2241AT8-E / RAV-RM561MUT-E (Double twin)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
561	10.0	4.7	3.6	4.9	3.8	5.2	3.9	5.4	4.1	5.6	4.2	5.7	4.3	5.9	4.5	6.2	4.7	6.5	5.0
	12.0	4.7	3.5	4.9	3.7	5.2	3.9	5.3	4.1	5.5	4.2	5.7	4.3	5.8	4.4	6.2	4.7	6.5	4.9
	14.0	4.6	3.5	4.9	3.7	5.1	3.9	5.3	4.0	5.5	4.2	5.6	4.3	5.8	4.4	6.1	4.7	6.4	4.9
	16.0	4.6	3.5	4.8	3.7	5.1	3.9	5.3	4.0	5.4	4.1	5.6	4.3	5.8	4.4	6.1	4.6	6.4	4.9
	18.0	4.6	3.5	4.8	3.7	5.0	3.8	5.2	4.0	5.4	4.1	5.6	4.2	5.7	4.3	6.1	4.6	6.3	4.8
	20.0	4.5	3.4	4.8	3.6	5.0	3.8	5.2	3.9	5.4	4.1	5.5	4.2	5.7	4.3	6.0	4.6	6.3	4.8
	21.0	4.5	3.4	4.7	3.6	5.0	3.8	5.2	3.9	5.3	4.1	5.5	4.2	5.6	4.3	6.0	4.5	6.3	4.8
	23.0	4.5	3.4	4.7	3.6	4.9	3.7	5.1	3.9	5.3	4.0	5.4	4.1	5.6	4.3	5.9	4.5	6.2	4.7
	25.0	4.4	3.4	4.6	3.5	4.9	3.7	5.0	3.8	5.2	4.0	5.4	4.1	5.5	4.2	5.9	4.5	6.1	4.7
	27.0	4.4	3.3	4.6	3.5	4.8	3.7	5.0	3.8	5.2	3.9	5.3	4.0	5.5	4.2	5.8	4.4	6.0	4.6
	29.0	4.3	3.3	4.5	3.4	4.8	3.6	4.9	3.7	5.1	3.9	5.2	4.0	5.4	4.1	5.7	4.3	6.0	4.5
	31.0	4.2	3.2	4.5	3.4	4.7	3.6	4.9	3.7	5.0	3.8	5.2	3.9	5.3	4.0	5.6	4.3	5.9	4.5
	33.0	4.2	3.2	4.4	3.3	4.6	3.5	4.8	3.6	4.9	3.8	5.1	3.9	5.2	4.0	5.5	4.2	5.8	4.4
	35.0	4.1	3.1	4.3	3.3	4.5	3.4	4.7	3.6	4.9	3.7	5.0	3.8	5.1	3.9	5.4	4.1	5.7	4.3
	37.0	4.0	3.1	4.2	3.2	4.4	3.4	4.6	3.5	4.8	3.6	4.9	3.7	5.0	3.8	5.3	4.1	5.6	4.2
	39.0	3.9	3.0	4.2	3.2	4.4	3.3	4.5	3.4	4.7	3.5	4.8	3.7	4.9	3.8	5.2	4.0	5.5	4.2

TC:Total Capacity [kW]
SHC:Sensible Heat Capacity [kW]

Sensible Heat Capacity : RAV-RM***BTP-E

RAV-GM2241AT8-E / RAV-RM1101BTP-E (Twin)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
1101	10.0	9.4	7.8	9.9	8.3	10.4	8.7	10.7	9.0	11.1	9.3	11.4	9.6	11.8	9.8	12.5	10.4	13.0	10.9
	12.0	9.3	7.8	9.8	8.2	10.3	8.6	10.7	8.9	11.0	9.2	11.4	9.5	11.7	9.8	12.4	10.3	12.9	10.8
	14.0	9.3	7.8	9.8	8.2	10.2	8.6	10.6	8.9	11.0	9.2	11.3	9.4	11.6	9.7	12.3	10.3	12.9	10.8
	16.0	9.2	7.7	9.7	8.1	10.2	8.5	10.5	8.8	10.9	9.1	11.2	9.4	11.5	9.6	12.2	10.2	12.8	10.7
	18.0	9.1	7.6	9.6	8.0	10.1	8.4	10.4	8.7	10.8	9.0	11.1	9.3	11.4	9.6	12.1	10.1	12.7	10.6
	20.0	9.1	7.6	9.5	8.0	10.0	8.4	10.4	8.7	10.7	9.0	11.0	9.2	11.3	9.5	12.0	10.0	12.6	10.5
	21.0	9.0	7.5	9.5	7.9	10.0	8.3	10.3	8.6	10.7	8.9	11.0	9.2	11.3	9.4	12.0	10.0	12.5	10.5
	23.0	8.9	7.5	9.4	7.9	9.9	8.2	10.2	8.5	10.6	8.8	10.9	9.1	11.2	9.3	11.8	9.9	12.4	10.4
	25.0	8.8	7.4	9.3	7.8	9.8	8.2	10.1	8.4	10.4	8.7	10.8	9.0	11.1	9.2	11.7	9.8	12.2	10.2
	27.0	8.7	7.3	9.2	7.7	9.6	8.1	10.0	8.3	10.3	8.6	10.6	8.9	10.9	9.1	11.6	9.7	12.1	10.1
	29.0	8.6	7.2	9.1	7.6	9.5	7.9	9.8	8.2	10.2	8.5	10.5	8.8	10.8	9.0	11.4	9.5	11.9	10.0
	31.0	8.5	7.1	8.9	7.5	9.4	7.8	9.7	8.1	10.0	8.4	10.3	8.6	10.6	8.9	11.3	9.4	11.8	9.8
	33.0	8.4	7.0	8.8	7.3	9.2	7.7	9.6	8.0	9.9	8.3	10.2	8.5	10.5	8.7	11.1	9.3	11.6	9.7
	35.0	8.2	6.9	8.6	7.2	9.1	7.6	9.4	7.9	9.7	8.1	10.0	8.4	10.3	8.6	10.9	9.1	11.4	9.5
	37.0	8.1	6.7	8.5	7.1	8.9	7.4	9.2	7.7	9.5	8.0	9.8	8.2	10.1	8.4	10.7	8.9	11.2	9.3
	39.0	7.9	6.6	8.3	6.9	8.7	7.3	9.0	7.5	9.3	7.8	9.6	8.0	9.9	8.3	10.5	8.8	10.9	9.2

RAV-GM2241AT8-E / RAV-RM801BTP-E (Triple)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
801	10.0	7.9	5.9	8.2	6.1	8.5	6.3	8.7	6.5	8.9	6.7	9.1	6.9	9.4	7.1	9.8	7.3	10.2	7.4
	12.0	7.8	5.8	8.1	6.0	8.4	6.2	8.6	6.4	8.8	6.6	9.0	6.8	9.3	7.0	9.7	7.2	10.1	7.3
	14.0	7.7	5.7	8.0	5.9	8.3	6.1	8.5	6.3	8.7	6.5	8.9	6.7	9.2	6.9	9.6	7.1	10.0	7.2
	16.0	7.6	5.6	7.9	5.8	8.2	6.0	8.4	6.2	8.6	6.4	8.8	6.6	9.1	6.8	9.5	7.0	9.9	7.1
	18.0	7.5	5.5	7.8	5.7	8.1	5.9	8.3	6.1	8.5	6.3	8.7	6.5	9.0	6.7	9.4	6.9	9.8	7.0
	20.0	7.4	5.4	7.7	5.6	8.0	5.8	8.2	6.0	8.4	6.2	8.6	6.4	8.9	6.6	9.3	6.8	9.7	6.9
	21.0	7.3	5.3	7.6	5.5	7.9	5.7	8.1	5.9	8.3	6.1	8.5	6.3	8.8	6.5	9.2	6.7	9.6	6.8
	23.0	7.2	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	6.0	8.4	6.2	8.7	6.4	9.1	6.6	9.5	6.7
	25.0	7.1	5.1	7.4	5.3	7.7	5.5	7.9	5.7	8.1	5.9	8.3	6.1	8.6	6.3	9.0	6.5	9.4	6.6
	27.0	7.0	5.0	7.3	5.2	7.6	5.4	7.8	5.6	8.0	5.8	8.2	6.0	8.5	6.2	8.9	6.4	9.3	6.5
	29.0	6.8	4.9	7.1	5.1	7.4	5.3	7.6	5.5	7.8	5.7	8.0	5.9	8.3	6.1	8.7	6.3	9.1	6.4
	31.0	6.5	4.7	6.8	4.9	7.1	5.1	7.3	5.3	7.5	5.5	7.7	5.7	8.0	5.9	8.4	6.1	8.8	6.2
	33.0	6.2	4.5	6.5	4.7	6.8	4.9	7.0	5.1	7.2	5.3	7.4	5.5	7.7	5.7	8.1	5.9	8.5	6.0
	35.0	5.9	4.3	6.2	4.5	6.5	4.7	6.7	4.9	6.9	5.1	7.1	5.3	7.4	5.5	7.8	5.7	8.2	5.8
	37.0	5.8	4.2	6.1	4.4	6.4	4.6	6.6	4.8	6.8	5.0	7.0	5.2	7.3	5.4	7.7	5.6	8.1	5.7
	39.0	5.6	4.1	5.9	4.3	6.2	4.5	6.4	4.7	6.6	4.9	6.8	5.1	7.1	5.3	7.5	5.5	7.9	5.6

RAV-GM2241AT8-E / RAV-RM561BTP-E (Double twin)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
561	10.0	4.7	3.9	4.9	4.1	5.2	4.3	5.4	4.5	5.6	4.6	5.7	4.8	5.9	4.9	6.2	5.2	6.5	5.4
	12.0	4.7	3.9	4.9	4.1	5.2	4.3	5.3	4.5	5.5	4.6	5.7	4.7	5.8	4.9	6.2	5.2	6.5	5.4
	14.0	4.6	3.9	4.9	4.1	5.1	4.3	5.3	4.4	5.5	4.6	5.6	4.7	5.8	4.9	6.1	5.1	6.4	5.4
	16.0	4.6	3.8	4.8	4.0	5.1	4.3	5.3	4.4	5.4	4.6	5.6	4.7	5.8	4.8	6.1	5.1	6.4	5.3
	18.0	4.6	3.8	4.8	4.0	5.0	4.2	5.2	4.4	5.4	4.5	5.6	4.6	5.7	4.8	6.1	5.1	6.3	5.3
	20.0	4.5	3.8	4.8	4.0	5.0	4.2	5.2	4.3	5.4	4.5	5.5	4.6	5.7	4.7	6.0	5.0	6.3	5.3
	21.0	4.5	3.8	4.7	4.0	5.0	4.2	5.2	4.3	5.3	4.5	5.5	4.6	5.6	4.7	6.0	5.0	6.3	5.2
	23.0	4.5	3.7	4.7	3.9	4.9	4.1	5.1	4.3	5.3	4.4	5.4	4.5	5.6	4.7	5.9	4.9	6.2	5.2
	25.0	4.4	3.7	4.6	3.9	4.9	4.1	5.0	4.2	5.2	4.4	5.4	4.5	5.5	4.6	5.9	4.9	6.1	5.1
	27.0	4.4	3.6	4.6	3.8	4.8	4.0	5.0	4.2	5.2	4.3	5.3	4.4	5.5	4.6	5.8	4.8	6.0	5.1
	29.0	4.3	3.6	4.5	3.8	4.8	4.0	4.9	4.1	5.1	4.3	5.2	4.4	5.4	4.5	5.7	4.8	6.0	5.0
	31.0	4.2	3.5	4.5	3.7	4.7	3.9	4.9	4.1	5.0	4.2	5.2	4.3	5.3	4.4	5.6	4.7	5.9	4.9
	33.0	4.2	3.5	4.4	3.7	4.6	3.9	4.8	4.0	4.9	4.1	5.1	4.3	5.2	4.4	5.5	4.6	5.8	4.8
	35.0	4.1	3.4	4.3	3.6	4.5	3.8	4.7	3.9	4.9	4.1	5.0	4.2	5.1	4.3	5.4	4.6	5.7	4.8
	37.0	4.0	3.4	4.2	3.5	4.4	3.7	4.6	3.9	4.8	4.0	4.9	4.1	5.0	4.2	5.3	4.5	5.6	4.7
	39.0	3.9	3.3	4.2	3.5	4.4	3.6	4.5	3.8	4.7	3.9	4.8	4.0	4.9	4.1	5.2	4.4	5.5	4.6

TC:Total Capacity [kW]
SHC:Sensible Heat Capacity [kW]

Sensible Heat Capacity : RAV-RM***BTP-E

RAV-GM2801AT8-E / RAV-RM1401BTP-E (Twin)

		indoor air temp.																	
unit size	outdoor air temp. CDB	14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
1401	10.0	11.7	8.9	12.3	9.3	13.0	9.8	13.4	10.2	13.9	10.5	14.3	10.8	14.7	11.1	15.6	11.8	16.3	12.3
	12.0	11.7	8.8	12.3	9.3	12.9	9.7	13.3	10.1	13.8	10.4	14.2	10.7	14.6	11.1	15.5	11.7	16.2	12.2
	14.0	11.6	8.8	12.2	9.2	12.8	9.7	13.3	10.0	13.7	10.4	14.1	10.7	14.5	11.0	15.4	11.6	16.1	12.2
	16.0	11.5	8.7	12.1	9.2	12.7	9.6	13.2	10.0	13.6	10.3	14.0	10.6	14.4	10.9	15.3	11.6	16.0	12.1
	18.0	11.4	8.6	12.0	9.1	12.6	9.5	13.1	9.9	13.5	10.2	13.9	10.5	14.3	10.8	15.1	11.5	15.8	12.0
	20.0	11.3	8.6	11.9	9.0	12.5	9.5	12.9	9.8	13.4	10.1	13.8	10.4	14.2	10.7	15.0	11.4	15.7	11.9
	21.0	11.3	8.5	11.9	9.0	12.4	9.4	12.9	9.8	13.3	10.1	13.7	10.4	14.1	10.7	15.0	11.3	15.6	11.8
	23.0	11.2	8.4	11.7	8.9	12.3	9.3	12.8	9.7	13.2	10.0	13.6	10.3	14.0	10.6	14.8	11.2	15.5	11.7
	25.0	11.0	8.4	11.6	8.8	12.2	9.2	12.6	9.6	13.1	9.9	13.4	10.2	13.8	10.5	14.6	11.1	15.3	11.6
	27.0	10.9	8.3	11.5	8.7	12.0	9.1	12.5	9.4	12.9	9.8	13.3	10.0	13.7	10.3	14.5	10.9	15.1	11.4
	29.0	10.8	8.1	11.3	8.6	11.9	9.0	12.3	9.3	12.7	9.6	13.1	9.9	13.5	10.2	14.3	10.8	14.9	11.3
	31.0	10.6	8.0	11.2	8.4	11.7	8.9	12.1	9.2	12.5	9.5	12.9	9.8	13.3	10.1	14.1	10.6	14.7	11.1
	33.0	10.4	7.9	11.0	8.3	11.5	8.7	11.9	9.0	12.3	9.3	12.7	9.6	13.1	9.9	13.8	10.5	14.5	11.0
	35.0	10.3	7.8	10.8	8.2	11.3	8.6	11.7	8.9	12.1	9.2	12.5	9.5	12.9	9.7	13.6	10.3	14.2	10.8
	37.0	10.1	7.6	10.6	8.0	11.1	8.4	11.5	8.7	11.9	9.0	12.3	9.3	12.6	9.5	13.4	10.1	14.0	10.6
	39.0	9.9	7.5	10.4	7.9	10.9	8.2	11.3	8.5	11.7	8.8	12.0	9.1	12.4	9.4	13.1	9.9	13.7	10.4

RAV-GM2801AT8-E / RAV-RM801BTP-E (Triple)

		indoor air temp.																	
unit size	outdoor air temp. CDB	14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
801	10.0	7.9	5.9	8.2	6.1	8.5	6.3	8.7	6.5	8.9	6.7	9.1	6.9	9.4	7.1	9.8	7.3	10.2	7.4
	12.0	7.8	5.8	8.1	6.0	8.4	6.2	8.6	6.4	8.8	6.6	9.0	6.8	9.3	7.0	9.7	7.2	10.1	7.3
	14.0	7.7	5.7	8.0	5.9	8.3	6.1	8.5	6.3	8.7	6.5	8.9	6.7	9.2	6.9	9.6	7.1	10.0	7.2
	16.0	7.6	5.6	7.9	5.8	8.2	6.0	8.4	6.2	8.6	6.4	8.8	6.6	9.1	6.8	9.5	7.0	9.9	7.1
	18.0	7.5	5.5	7.8	5.7	8.1	5.9	8.3	6.1	8.5	6.3	8.7	6.5	9.0	6.7	9.4	6.9	9.8	7.0
	20.0	7.4	5.4	7.7	5.6	8.0	5.8	8.2	6.0	8.4	6.2	8.6	6.4	8.9	6.6	9.3	6.8	9.7	6.9
	21.0	7.3	5.3	7.6	5.5	7.9	5.7	8.1	5.9	8.3	6.1	8.5	6.3	8.8	6.5	9.2	6.7	9.6	6.8
	23.0	7.2	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	6.0	8.4	6.2	8.7	6.4	9.1	6.6	9.5	6.7
	25.0	7.1	5.1	7.4	5.3	7.7	5.5	7.9	5.7	8.1	5.9	8.3	6.1	8.6	6.3	9.0	6.5	9.4	6.6
	27.0	7.0	5.0	7.3	5.2	7.6	5.4	7.8	5.6	8.0	5.8	8.2	6.0	8.5	6.2	8.9	6.4	9.3	6.5
	29.0	6.8	4.9	7.1	5.1	7.4	5.3	7.6	5.5	7.8	5.7	8.0	5.9	8.3	6.1	8.7	6.3	9.1	6.4
	31.0	6.5	4.7	6.8	4.9	7.1	5.1	7.3	5.3	7.5	5.5	7.7	5.7	8.0	5.9	8.4	6.1	8.8	6.2
	33.0	6.2	4.5	6.5	4.7	6.8	4.9	7.0	5.1	7.2	5.3	7.4	5.5	7.7	5.7	8.1	5.9	8.5	6.0
	35.0	5.9	4.3	6.2	4.5	6.5	4.7	6.7	4.9	6.9	5.1	7.1	5.3	7.4	5.5	7.8	5.7	8.2	5.8
	37.0	5.8	4.2	6.1	4.4	6.4	4.6	6.6	4.8	6.8	5.0	7.0	5.2	7.3	5.4	7.7	5.6	8.1	5.7
	39.0	5.6	4.1	5.9	4.3	6.2	4.5	6.4	4.7	6.6	4.9	6.8	5.1	7.1	5.3	7.5	5.5	7.9	5.6

RAV-GM2801AT8-E / RAV-RM801BTP-E (Double twin)

		indoor air temp.																	
unit size	outdoor air temp. CDB	14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
801	10.0	7.9	5.9	8.2	6.1	8.5	6.3	8.7	6.5	8.9	6.7	9.1	6.9	9.4	7.1	9.8	7.3	10.2	7.4
	12.0	7.8	5.8	8.1	6.0	8.4	6.2	8.6	6.4	8.8	6.6	9.0	6.8	9.3	7.0	9.7	7.2	10.1	7.3
	14.0	7.7	5.7	8.0	5.9	8.3	6.1	8.5	6.3	8.7	6.5	8.9	6.7	9.2	6.9	9.6	7.1	10.0	7.2
	16.0	7.6	5.6	7.9	5.8	8.2	6.0	8.4	6.2	8.6	6.4	8.8	6.6	9.1	6.8	9.5	7.0	9.9	7.1
	18.0	7.5	5.5	7.8	5.7	8.1	5.9	8.3	6.1	8.5	6.3	8.7	6.5	9.0	6.7	9.4	6.9	9.8	7.0
	20.0	7.4	5.4	7.7	5.6	8.0	5.8	8.2	6.0	8.4	6.2	8.6	6.4	8.9	6.6	9.3	6.8	9.7	6.9
	21.0	7.3	5.3	7.6	5.5	7.9	5.7	8.1	5.9	8.3	6.1	8.5	6.3	8.8	6.5	9.2	6.7	9.6	6.8
	23.0	7.2	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	6.0	8.4	6.2	8.7	6.4	9.1	6.6	9.5	6.7
	25.0	7.1	5.1	7.4	5.3	7.7	5.5	7.9	5.7	8.1	5.9	8.3	6.1	8.6	6.3	9.0	6.5	9.4	6.6
	27.0	7.0	5.0	7.3	5.2	7.6	5.4	7.8	5.6	8.0	5.8	8.2	6.0	8.5	6.2	8.9	6.4	9.3	6.5
	29.0	6.8	4.9	7.1	5.1	7.4	5.3	7.6	5.5	7.8	5.7	8.0	5.9	8.3	6.1	8.7	6.3	9.1	6.4
	31.0	6.5	4.7	6.8	4.9	7.1	5.1	7.3	5.3	7.5	5.5	7.7	5.7	8.0	5.9	8.4	6.1	8.8	6.2
	33.0	6.2	4.5	6.5	4.7	6.8	4.9	7.0	5.1	7.2	5.3	7.4	5.5	7.7	5.7	8.1	5.9	8.5	6.0
	35.0	5.9	4.3	6.2	4.5	6.5	4.7	6.7	4.9	6.9	5.1	7.1	5.3	7.4	5.5	7.8	5.7	8.2	5.8
	37.0	5.8	4.2	6.1	4.4	6.4	4.6	6.6	4.8	6.8	5.0	7.0	5.2	7.3	5.4	7.7	5.6	8.1	5.7
	39.0	5.6	4.1	5.9	4.3	6.2	4.5	6.4	4.7	6.6	4.9	6.8	5.1	7.1	5.3	7.5	5.5	7.9	5.6

TC:Total Capacity [kW]
SHC:Sensible Heat Capacity [kW]

Sensible Heat Capacity : RAV-RM***SDT-E

RAV-GM2241AT8-E / RAV-RM561SDT-E (Double twin)

unit size	outdoor air temp. CDB	indoor air temp. 14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
561	10.0	4.7	3.6	4.9	3.8	5.2	3.9	5.4	4.1	5.6	4.2	5.7	4.3	5.9	4.5	6.2	4.7	6.5	5.0
	12.0	4.7	3.5	4.9	3.7	5.2	3.9	5.3	4.1	5.5	4.2	5.7	4.3	5.8	4.4	6.2	4.7	6.5	4.9
	14.0	4.6	3.5	4.9	3.7	5.1	3.9	5.3	4.0	5.5	4.2	5.6	4.3	5.8	4.4	6.1	4.7	6.4	4.9
	16.0	4.6	3.5	4.8	3.7	5.1	3.9	5.3	4.0	5.4	4.1	5.6	4.3	5.8	4.4	6.1	4.6	6.4	4.9
	18.0	4.6	3.5	4.8	3.7	5.0	3.8	5.2	4.0	5.4	4.1	5.6	4.2	5.7	4.3	6.1	4.6	6.3	4.8
	20.0	4.5	3.4	4.8	3.6	5.0	3.8	5.2	3.9	5.4	4.1	5.5	4.2	5.7	4.3	6.0	4.6	6.3	4.8
	21.0	4.5	3.4	4.7	3.6	5.0	3.8	5.2	3.9	5.3	4.1	5.5	4.2	5.6	4.3	6.0	4.5	6.3	4.8
	23.0	4.5	3.4	4.7	3.6	4.9	3.7	5.1	3.9	5.3	4.0	5.4	4.1	5.6	4.3	5.9	4.5	6.2	4.7
	25.0	4.4	3.4	4.6	3.5	4.9	3.7	5.0	3.8	5.2	4.0	5.4	4.1	5.5	4.2	5.9	4.5	6.1	4.7
	27.0	4.4	3.3	4.6	3.5	4.8	3.7	5.0	3.8	5.2	3.9	5.3	4.0	5.5	4.2	5.8	4.4	6.0	4.6
	29.0	4.3	3.3	4.5	3.4	4.8	3.6	4.9	3.7	5.1	3.9	5.2	4.0	5.4	4.1	5.7	4.3	6.0	4.5
	31.0	4.2	3.2	4.5	3.4	4.7	3.6	4.9	3.7	5.0	3.8	5.2	3.9	5.3	4.0	5.6	4.3	5.9	4.5
	33.0	4.2	3.2	4.4	3.3	4.6	3.5	4.8	3.6	4.9	3.8	5.1	3.9	5.2	4.0	5.5	4.2	5.8	4.4
	35.0	4.1	3.1	4.3	3.3	4.5	3.4	4.7	3.6	4.9	3.7	5.0	3.8	5.1	3.9	5.4	4.1	5.7	4.3
	37.0	4.0	3.1	4.2	3.2	4.4	3.4	4.6	3.5	4.8	3.6	4.9	3.7	5.0	3.8	5.3	4.1	5.6	4.2
	39.0	3.9	3.0	4.2	3.2	4.4	3.3	4.5	3.4	4.7	3.5	4.8	3.7	4.9	3.8	5.2	4.0	5.5	4.2

TC:Total Capacity [kW]
SHC:Sensible Heat Capacity [kW]

Sensible Heat Capacity : RAV-RM***DTP-E

RAV-GM2241AT8-E / RAV-RM2241DTP-E

unit size	outdoor air temp. CDB	indoor air temp. 14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
2241	10.0	21.7	16.2	22.9	16.7	23.8	17.1	25.0	17.5	25.9	17.9	26.1	18.4	26.4	18.7	29.5	19.2	30.1	19.6
	12.0	21.2	16.1	22.4	16.6	23.3	16.9	24.4	17.3	25.6	17.7	25.5	18.2	26.0	18.5	28.7	19.0	29.5	19.4
	14.0	20.7	16.0	21.9	16.4	22.8	16.7	23.9	17.1	25.0	17.5	25.0	17.9	25.6	18.3	28.0	18.8	28.9	19.2
	16.0	20.4	15.8	21.4	16.2	22.3	16.5	23.4	16.9	24.4	17.3	24.4	17.7	25.1	18.1	27.3	18.6	28.3	19.0
	18.0	20.0	15.6	20.9	16.0	21.8	16.3	22.8	16.7	23.8	17.1	23.9	17.5	24.7	17.9	26.6	18.4	27.8	18.7
	20.0	19.7	15.5	20.4	15.8	21.3	16.1	22.3	16.5	23.1	16.9	23.4	17.3	24.3	17.7	25.9	17.2	27.2	18.6
	21.0	19.3	15.4	20.2	15.7	21.1	16.0	22.1	16.4	22.8	16.8	23.0	17.1	24.1	17.5	25.5	18.0	26.9	18.4
	23.0	18.9	15.2	19.7	15.5	20.6	15.8	21.5	16.3	22.2	16.6	22.5	16.9	23.7	17.4	24.8	17.8	26.3	18.2
	25.0	18.5	15.1	19.2	15.4	20.1	15.7	21.0	16.0	21.6	16.4	21.9	16.7	23.2	17.1	24.0	17.6	25.7	18.0
	27.0	17.8	14.9	18.7	15.3	19.6	15.5	20.5	15.8	21.0	16.2	20.9	16.4	22.8	16.9	23.3	17.2	25.1	17.8
	29.0	17.6	14.7	18.2	15.1	19.0	15.4	19.9	15.6	20.4	15.9	20.8	16.1	22.4	16.6	22.6	17.1	24.6	17.6
	31.0	17.2	14.6	17.7	14.9	18.5	15.2	19.4	15.4	19.8	15.7	20.2	16.0	21.9	16.5	22.0	17.0	24.0	17.4
	33.0	16.7	14.5	17.2	14.7	18.0	15.0	18.9	15.2	19.2	15.4	19.7	15.7	21.2	16.2	21.5	16.7	23.4	17.2
	35.0	16.3	14.4	16.7	14.5	17.5	14.8	18.3	15.0	18.6	15.2	19.0	15.4	20.4	16.0	21.1	16.5	22.8	17.0
	37.0	15.9	14.2	16.2	14.4	17.0	14.6	17.8	14.8	17.9	15.0	18.5	15.3	19.7	15.8	20.7	16.3	22.3	16.8
	39.0	15.5	14.0	15.7	14.2	16.5	14.4	17.3	14.6	17.3	14.8	18.0	15.0	19.0	15.5	20.3	15.8	21.7	16.6

TC:Total Capacity [kW]
SHC:Sensible Heat Capacity [kW]

Sensible Heat Capacity : RAV-RM***DTP-E

RAV-GM2801AT8-E / RAV-RM2801DTP-E

unit size	outdoor air temp. CDB	indoor air temp. 14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
2801	10.0	25.5	20.1	26.7	20.6	27.6	21.0	28.8	21.4	29.7	21.8	29.9	22.3	30.2	22.6	33.3	23.1	33.9	23.5
	12.0	25.0	20.0	26.2	20.5	27.1	20.8	28.2	21.2	29.4	21.6	29.3	22.1	29.8	22.4	32.5	22.9	33.3	23.3
	14.0	24.5	19.9	25.7	20.3	26.6	20.6	27.7	21.0	28.8	21.4	28.8	21.8	29.4	22.2	31.8	22.7	32.7	23.1
	16.0	24.2	19.7	25.2	20.1	26.1	20.4	27.2	20.8	28.2	21.2	28.2	21.6	28.9	22.0	31.1	22.5	32.1	22.9
	18.0	23.8	19.5	24.7	19.9	25.6	20.2	26.6	20.6	27.6	21.0	27.7	21.4	28.5	21.8	30.4	22.3	31.6	22.7
	20.0	23.5	19.4	24.2	19.7	25.1	20.0	26.1	20.4	26.9	20.8	27.2	21.2	28.1	21.6	29.7	21.1	31.0	22.5
	21.0	23.1	19.3	24.0	19.6	24.9	19.9	25.9	20.3	26.6	20.7	26.8	21.0	27.9	21.4	29.3	21.9	30.7	22.3
	23.0	22.7	19.1	23.5	19.4	24.4	19.7	25.3	20.2	26.0	20.5	26.3	20.8	27.5	21.3	28.6	21.7	30.1	22.1
	25.0	22.3	19.0	23.0	19.3	23.9	19.6	24.8	19.9	25.4	20.3	25.7	20.6	27.0	21.0	27.8	21.5	29.5	21.9
	27.0	21.6	18.8	22.5	19.2	23.4	19.4	24.3	19.7	24.8	20.1	24.7	20.3	26.6	20.8	27.1	21.1	28.9	21.7
	29.0	21.4	18.6	22.0	19.0	22.8	19.3	23.7	19.5	24.2	19.8	24.6	20.0	26.2	20.5	26.4	21.0	28.4	21.5
	31.0	21.0	18.5	21.5	18.8	22.3	19.1	23.2	19.3	23.6	19.6	24.0	19.9	25.7	20.4	25.8	20.9	27.8	21.3
	33.0	20.5	18.4	21.0	18.6	21.8	18.9	22.7	19.1	23.0	19.3	23.5	19.6	25.0	20.1	25.3	20.6	27.2	21.1
	35.0	20.1	18.3	20.5	18.4	21.3	18.7	22.1	18.9	22.4	19.1	22.5	19.3	24.2	19.9	24.9	20.4	26.6	20.9
	37.0	19.7	18.1	20.0	18.3	20.8	18.5	21.6	18.7	21.7	18.9	22.3	19.2	23.5	19.7	24.5	20.2	26.1	20.7
	39.0	19.3	17.9	19.5	18.1	20.3	18.3	21.1	18.5	21.1	18.7	21.8	18.9	22.8	19.4	24.1	19.7	25.5	20.5

TC:Total Capacity [kW]
SHC:Sensible Heat Capacity [kW]

Sensible Heat Capacity : RAV-RM***CTP-E

RAV-GM2241AT8-E / RAV-RM1101CTP-E (Twin)

		indoor air temp.																	
unit size	outdoor air temp. CDB	14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
1101	10.0	9.4	7.8	9.9	8.2	10.4	8.6	10.7	8.9	11.1	9.2	11.4	9.5	11.8	9.8	12.5	10.3	13.0	10.8
	12.0	9.3	7.7	9.8	8.1	10.3	8.5	10.7	8.9	11.0	9.2	11.4	9.4	11.7	9.7	12.4	10.3	12.9	10.7
	14.0	9.3	7.7	9.8	8.1	10.2	8.5	10.6	8.8	11.0	9.1	11.3	9.4	11.6	9.6	12.3	10.2	12.9	10.7
	16.0	9.2	7.6	9.7	8.0	10.2	8.4	10.5	8.7	10.9	9.0	11.2	9.3	11.5	9.6	12.2	10.1	12.8	10.6
	18.0	9.1	7.6	9.6	8.0	10.1	8.4	10.4	8.7	10.8	9.0	11.1	9.2	11.4	9.5	12.1	10.0	12.7	10.5
	20.0	9.1	7.5	9.5	7.9	10.0	8.3	10.4	8.6	10.7	8.9	11.0	9.1	11.3	9.4	12.0	10.0	12.6	10.4
	21.0	9.0	7.5	9.5	7.9	10.0	8.3	10.3	8.6	10.7	8.8	11.0	9.1	11.3	9.4	12.0	9.9	12.5	10.4
	23.0	8.9	7.4	9.4	7.8	9.9	8.2	10.2	8.5	10.6	8.8	10.9	9.0	11.2	9.3	11.8	9.8	12.4	10.3
	25.0	8.8	7.3	9.3	7.7	9.8	8.1	10.1	8.4	10.4	8.7	10.8	8.9	11.1	9.2	11.7	9.7	12.2	10.2
	27.0	8.7	7.2	9.2	7.6	9.6	8.0	10.0	8.3	10.3	8.6	10.6	8.8	10.9	9.1	11.6	9.6	12.1	10.0
	29.0	8.6	7.1	9.1	7.5	9.5	7.9	9.8	8.2	10.2	8.4	10.5	8.7	10.8	8.9	11.4	9.5	11.9	9.9
	31.0	8.5	7.0	8.9	7.4	9.4	7.8	9.7	8.0	10.0	8.3	10.3	8.6	10.6	8.8	11.3	9.3	11.8	9.8
	33.0	8.4	6.9	8.8	7.3	9.2	7.7	9.6	7.9	9.9	8.2	10.2	8.4	10.5	8.7	11.1	9.2	11.6	9.6
	35.0	8.2	6.8	8.6	7.2	9.1	7.5	9.4	7.8	9.7	8.1	10.0	8.3	10.3	8.5	10.9	9.0	11.4	9.5
	37.0	8.1	6.7	8.5	7.0	8.9	7.4	9.2	7.6	9.5	7.9	9.8	8.1	10.1	8.4	10.7	8.9	11.2	9.3
	39.0	7.9	6.5	8.3	6.9	8.7	7.2	9.0	7.5	9.3	7.7	9.6	8.0	9.9	8.2	10.5	8.7	10.9	9.1

RAV-GM2241AT8-E / RAV-RM801CTP-E (Triple)

		indoor air temp.																	
unit size	outdoor air temp. CDB	14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
801	10.0	7.9	6.1	8.2	6.3	8.5	6.5	8.7	6.7	8.9	6.9	9.1	7.1	9.4	7.3	9.8	7.5	10.2	7.6
	12.0	7.8	6.0	8.1	6.2	8.4	6.4	8.6	6.6	8.8	6.8	9.0	7.0	9.3	7.2	9.7	7.4	10.1	7.5
	14.0	7.7	5.9	8.0	6.1	8.3	6.3	8.5	6.5	8.7	6.7	8.9	6.9	9.2	7.1	9.6	7.3	10.0	7.4
	16.0	7.6	5.8	7.9	6.0	8.2	6.2	8.4	6.4	8.6	6.6	8.8	6.8	9.1	7.0	9.5	7.2	9.9	7.3
	18.0	7.5	5.7	7.8	5.9	8.1	6.1	8.3	6.3	8.5	6.5	8.7	6.7	9.0	6.9	9.4	7.1	9.8	7.2
	20.0	7.4	5.6	7.7	5.8	8.0	6.0	8.2	6.2	8.4	6.4	8.6	6.6	8.9	6.8	9.3	7.0	9.7	7.1
	21.0	7.3	5.5	7.6	5.7	7.9	5.9	8.1	6.1	8.3	6.3	8.5	6.5	8.8	6.7	9.2	6.9	9.6	7.0
	23.0	7.2	5.4	7.5	5.6	7.8	5.8	8.0	6.0	8.2	6.2	8.4	6.4	8.7	6.6	9.1	6.8	9.5	6.9
	25.0	7.1	5.3	7.4	5.5	7.7	5.7	7.9	5.9	8.1	6.1	8.3	6.3	8.6	6.5	9.0	6.7	9.4	6.8
	27.0	7.0	5.2	7.3	5.4	7.6	5.6	7.8	5.8	8.0	6.0	8.2	6.2	8.5	6.4	8.9	6.6	9.3	6.7
	29.0	6.8	5.1	7.1	5.3	7.4	5.5	7.6	5.7	7.8	5.9	8.0	6.1	8.3	6.3	8.7	6.5	9.1	6.6
	31.0	6.5	4.9	6.8	5.1	7.1	5.3	7.3	5.5	7.5	5.7	7.7	5.9	8.0	6.1	8.4	6.3	8.8	6.4
	33.0	6.2	4.7	6.5	4.9	6.8	5.1	7.0	5.3	7.2	5.5	7.4	5.7	7.7	5.9	8.1	6.1	8.5	6.2
	35.0	5.9	4.5	6.2	4.7	6.5	4.9	6.7	5.1	6.9	5.3	7.1	5.5	7.4	5.7	7.8	5.9	8.2	6.0
	37.0	5.8	4.4	6.1	4.6	6.4	4.8	6.6	5.0	6.8	5.2	7.0	5.4	7.3	5.6	7.7	5.8	8.1	5.9
	39.0	5.6	4.3	5.9	4.5	6.2	4.7	6.4	4.9	6.6	5.1	6.8	5.3	7.1	5.5	7.5	5.7	7.9	5.8

RAV-GM2241AT8-E / RAV-RM561CTP-E (Double twin)

		indoor air temp.																	
unit size	outdoor air temp. CDB	14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
561	10.0	4.7	3.9	4.9	4.1	5.2	4.3	5.4	4.5	5.6	4.6	5.7	4.7	5.9	4.9	6.2	5.2	6.5	5.4
	12.0	4.7	3.9	4.9	4.1	5.2	4.3	5.3	4.4	5.5	4.6	5.7	4.7	5.8	4.8	6.2	5.1	6.5	5.4
	14.0	4.6	3.8	4.9	4.0	5.1	4.2	5.3	4.4	5.5	4.5	5.6	4.7	5.8	4.8	6.1	5.1	6.4	5.3
	16.0	4.6	3.8	4.8	4.0	5.1	4.2	5.3	4.4	5.4	4.5	5.6	4.6	5.8	4.8	6.1	5.1	6.4	5.3
	18.0	4.6	3.8	4.8	4.0	5.0	4.2	5.2	4.3	5.4	4.5	5.6	4.6	5.7	4.7	6.1	5.0	6.3	5.3
	20.0	4.5	3.8	4.8	4.0	5.0	4.1	5.2	4.3	5.4	4.4	5.5	4.6	5.7	4.7	6.0	5.0	6.3	5.2
	21.0	4.5	3.7	4.7	3.9	5.0	4.1	5.2	4.3	5.3	4.4	5.5	4.6	5.6	4.7	6.0	5.0	6.3	5.2
	23.0	4.5	3.7	4.7	3.9	4.9	4.1	5.1	4.2	5.3	4.4	5.4	4.5	5.6	4.6	5.9	4.9	6.2	5.1
	25.0	4.4	3.7	4.6	3.9	4.9	4.0	5.0	4.2	5.2	4.3	5.4	4.5	5.5	4.6	5.9	4.9	6.1	5.1
	27.0	4.4	3.6	4.6	3.8	4.8	4.0	5.0	4.1	5.2	4.3	5.3	4.4	5.5	4.5	5.8	4.8	6.0	5.0
	29.0	4.3	3.6	4.5	3.8	4.8	3.9	4.9	4.1	5.1	4.2	5.2	4.3	5.4	4.5	5.7	4.7	6.0	5.0
	31.0	4.2	3.5	4.5	3.7	4.7	3.9	4.9	4.0	5.0	4.2	5.2	4.3	5.3	4.4	5.6	4.7	5.9	4.9
	33.0	4.2	3.5	4.4	3.6	4.6	3.8	4.8	4.0	4.9	4.1	5.1	4.2	5.2	4.3	5.5	4.6	5.8	4.8
	35.0	4.1	3.4	4.3	3.6	4.5	3.8	4.7	3.9	4.9	4.0	5.0	4.1	5.1	4.3	5.4	4.5	5.7	4.7
	37.0	4.0	3.3	4.2	3.5	4.4	3.7	4.6	3.8	4.8	4.0	4.9	4.1	5.0	4.2	5.3	4.4	5.6	4.6
	39.0	3.9	3.3	4.2	3.4	4.4	3.6	4.5	3.7	4.7	3.9	4.8	4.0	4.9	4.1	5.2	4.3	5.5	4.5

TC:Total Capacity [kW]
SHC:Sensible Heat Capacity [kW]

Sensible Heat Capacity : RAV-RM***CTP-E

RAV-GM2801AT8-E / RAV-RM1401CTP-E (Twin)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
1401	10.0	11.7	8.8	12.3	9.2	13.0	9.7	13.4	10.0	13.9	10.4	14.3	10.7	14.7	11.0	15.6	11.6	16.3	12.2
	12.0	11.7	8.7	12.3	9.2	12.9	9.6	13.3	10.0	13.8	10.3	14.2	10.6	14.6	10.9	15.5	11.6	16.2	12.1
	14.0	11.6	8.7	12.2	9.1	12.8	9.6	13.3	9.9	13.7	10.3	14.1	10.6	14.5	10.9	15.4	11.5	16.1	12.0
	16.0	11.5	8.6	12.1	9.1	12.7	9.5	13.2	9.8	13.6	10.2	14.0	10.5	14.4	10.8	15.3	11.4	16.0	11.9
	18.0	11.4	8.5	12.0	9.0	12.6	9.4	13.1	9.8	13.5	10.1	13.9	10.4	14.3	10.7	15.1	11.3	15.8	11.8
	20.0	11.3	8.5	11.9	8.9	12.5	9.4	12.9	9.7	13.4	10.0	13.8	10.3	14.2	10.6	15.0	11.2	15.7	11.8
	21.0	11.3	8.4	11.9	8.9	12.4	9.3	12.9	9.6	13.3	10.0	13.7	10.3	14.1	10.6	15.0	11.2	15.6	11.7
	23.0	11.2	8.3	11.7	8.8	12.3	9.2	12.8	9.5	13.2	9.9	13.6	10.2	14.0	10.5	14.8	11.1	15.5	11.6
	25.0	11.0	8.3	11.6	8.7	12.2	9.1	12.6	9.4	13.1	9.8	13.4	10.1	13.8	10.3	14.6	10.9	15.3	11.5
	27.0	10.9	8.2	11.5	8.6	12.0	9.0	12.5	9.3	12.9	9.6	13.3	9.9	13.7	10.2	14.5	10.8	15.1	11.3
	29.0	10.8	8.0	11.3	8.5	11.9	8.9	12.3	9.2	12.7	9.5	13.1	9.8	13.5	10.1	14.3	10.7	14.9	11.2
	31.0	10.6	7.9	11.2	8.3	11.7	8.8	12.1	9.1	12.5	9.4	12.9	9.7	13.3	9.9	14.1	10.5	14.7	11.0
	33.0	10.4	7.8	11.0	8.2	11.5	8.6	11.9	8.9	12.3	9.2	12.7	9.5	13.1	9.8	13.8	10.4	14.5	10.8
	35.0	10.3	7.7	10.8	8.1	11.3	8.5	11.7	8.8	12.1	9.1	12.5	9.4	12.9	9.6	13.6	10.2	14.2	10.7
	37.0	10.1	7.5	10.6	7.9	11.1	8.3	11.5	8.6	11.9	8.9	12.3	9.2	12.6	9.4	13.4	10.0	14.0	10.5
	39.0	9.9	7.4	10.4	7.8	10.9	8.2	11.3	8.4	11.7	8.7	12.0	9.0	12.4	9.2	13.1	9.8	13.7	10.2

RAV-GM2801AT8-E / RAV-RM801CTP-E (Triple)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
801	10.0	7.9	6.1	8.2	6.3	8.5	6.5	8.7	6.7	8.9	6.9	9.1	7.1	9.4	7.3	9.8	7.5	10.2	7.6
	12.0	7.8	6.0	8.1	6.2	8.4	6.4	8.6	6.6	8.8	6.8	9.0	7.0	9.3	7.2	9.7	7.4	10.1	7.5
	14.0	7.7	5.9	8.0	6.1	8.3	6.3	8.5	6.5	8.7	6.7	8.9	6.9	9.2	7.1	9.6	7.3	10.0	7.4
	16.0	7.6	5.8	7.9	6.0	8.2	6.2	8.4	6.4	8.6	6.6	8.8	6.8	9.1	7.0	9.5	7.2	9.9	7.3
	18.0	7.5	5.7	7.8	5.9	8.1	6.1	8.3	6.3	8.5	6.5	8.7	6.7	9.0	6.9	9.4	7.1	9.8	7.2
	20.0	7.4	5.6	7.7	5.8	8.0	6.0	8.2	6.2	8.4	6.4	8.6	6.6	8.9	6.8	9.3	7.0	9.7	7.1
	21.0	7.3	5.5	7.6	5.7	7.9	5.9	8.1	6.1	8.3	6.3	8.5	6.5	8.8	6.7	9.2	6.9	9.6	7.0
	23.0	7.2	5.4	7.5	5.6	7.8	5.8	8.0	6.0	8.2	6.2	8.4	6.4	8.7	6.6	9.1	6.8	9.5	6.9
	25.0	7.1	5.3	7.4	5.5	7.7	5.7	7.9	5.9	8.1	6.1	8.3	6.3	8.6	6.5	9.0	6.7	9.4	6.8
	27.0	7.0	5.2	7.3	5.4	7.6	5.6	7.8	5.8	8.0	6.0	8.2	6.2	8.5	6.4	8.9	6.6	9.3	6.7
	29.0	6.8	5.1	7.1	5.3	7.4	5.5	7.6	5.7	7.8	5.9	8.0	6.1	8.3	6.3	8.7	6.5	9.1	6.6
	31.0	6.5	4.9	6.8	5.1	7.1	5.3	7.3	5.5	7.5	5.7	7.7	5.9	8.0	6.1	8.4	6.3	8.8	6.4
	33.0	6.2	4.7	6.5	4.9	6.8	5.1	7.0	5.3	7.2	5.5	7.4	5.7	7.7	5.9	8.1	6.1	8.5	6.2
	35.0	5.9	4.5	6.2	4.7	6.5	4.9	6.7	5.1	6.9	5.3	7.1	5.5	7.4	5.7	7.8	5.9	8.2	6.0
	37.0	5.8	4.4	6.1	4.6	6.4	4.8	6.6	5.0	6.8	5.2	7.0	5.4	7.3	5.6	7.7	5.8	8.1	5.9
	39.0	5.6	4.3	5.9	4.5	6.2	4.7	6.4	4.9	6.6	5.1	6.8	5.3	7.1	5.5	7.5	5.7	7.9	5.8

RAV-GM2801AT8-E / RAV-RM801CTP-E (Double twin)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
801	10.0	7.9	6.1	8.2	6.3	8.5	6.5	8.7	6.7	8.9	6.9	9.1	7.1	9.4	7.3	9.8	7.5	10.2	7.6
	12.0	7.8	6.0	8.1	6.2	8.4	6.4	8.6	6.6	8.8	6.8	9.0	7.0	9.3	7.2	9.7	7.4	10.1	7.5
	14.0	7.7	5.9	8.0	6.1	8.3	6.3	8.5	6.5	8.7	6.7	8.9	6.9	9.2	7.1	9.6	7.3	10.0	7.4
	16.0	7.6	5.8	7.9	6.0	8.2	6.2	8.4	6.4	8.6	6.6	8.8	6.8	9.1	7.0	9.5	7.2	9.9	7.3
	18.0	7.5	5.7	7.8	5.9	8.1	6.1	8.3	6.3	8.5	6.5	8.7	6.7	9.0	6.9	9.4	7.1	9.8	7.2
	20.0	7.4	5.6	7.7	5.8	8.0	6.0	8.2	6.2	8.4	6.4	8.6	6.6	8.9	6.8	9.3	7.0	9.7	7.1
	21.0	7.3	5.5	7.6	5.7	7.9	5.9	8.1	6.1	8.3	6.3	8.5	6.5	8.8	6.7	9.2	6.9	9.6	7.0
	23.0	7.2	5.4	7.5	5.6	7.8	5.8	8.0	6.0	8.2	6.2	8.4	6.4	8.7	6.6	9.1	6.8	9.5	6.9
	25.0	7.1	5.3	7.4	5.5	7.7	5.7	7.9	5.9	8.1	6.1	8.3	6.3	8.6	6.5	9.0	6.7	9.4	6.8
	27.0	7.0	5.2	7.3	5.4	7.6	5.6	7.8	5.8	8.0	6.0	8.2	6.2	8.5	6.4	8.9	6.6	9.3	6.7
	29.0	6.8	5.1	7.1	5.3	7.4	5.5	7.6	5.7	7.8	5.9	8.0	6.1	8.3	6.3	8.7	6.5	9.1	6.6
	31.0	6.5	4.9	6.8	5.1	7.1	5.3	7.3	5.5	7.5	5.7	7.7	5.9	8.0	6.1	8.4	6.3	8.8	6.4
	33.0	6.2	4.7	6.5	4.9	6.8	5.1	7.0	5.3	7.2	5.5	7.4	5.7	7.7	5.9	8.1	6.1	8.5	6.2
	35.0	5.9	4.5	6.2	4.7	6.5	4.9	6.7	5.1	6.9	5.3	7.1	5.5	7.4	5.7	7.8	5.9	8.2	6.0
	37.0	5.8	4.4	6.1	4.6	6.4	4.8	6.6	5.0	6.8	5.2	7.0	5.4	7.3	5.6	7.7	5.8	8.1	5.9
	39.0	5.6	4.3	5.9	4.5	6.2	4.7	6.4	4.9	6.6	5.1	6.8	5.3	7.1	5.5	7.5	5.7	7.9	5.8

TC:Total Capacity [kW]
SHC:Sensible Heat Capacity [kW]

Sensible Heat Capacity : RAV-RM***KRTP-E

RAV-GM2241AT8-E / RAV-RM801KRTP-E (Triple)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
801	10.0	6.7	4.7	7.0	4.9	7.4	5.2	7.6	5.4	7.9	5.6	8.1	5.7	8.3	5.9	8.8	6.2	9.2	6.5
	12.0	6.6	4.7	7.0	4.9	7.3	5.2	7.6	5.3	7.8	5.5	8.1	5.7	8.3	5.8	8.8	6.2	9.2	6.5
	14.0	6.6	4.6	6.9	4.9	7.3	5.1	7.5	5.3	7.8	5.5	8.0	5.6	8.2	5.8	8.7	6.1	9.1	6.4
	16.0	6.5	4.6	6.9	4.8	7.2	5.1	7.5	5.3	7.7	5.4	8.0	5.6	8.2	5.8	8.7	6.1	9.1	6.4
	18.0	6.5	4.6	6.8	4.8	7.2	5.0	7.4	5.2	7.7	5.4	7.9	5.6	8.1	5.7	8.6	6.1	9.0	6.3
	20.0	6.4	4.5	6.8	4.8	7.1	5.0	7.4	5.2	7.6	5.4	7.8	5.5	8.1	5.7	8.5	6.0	8.9	6.3
	21.0	6.4	4.5	6.7	4.7	7.1	5.0	7.3	5.2	7.6	5.3	7.8	5.5	8.0	5.6	8.5	6.0	8.9	6.3
	23.0	6.3	4.5	6.7	4.7	7.0	4.9	7.2	5.1	7.5	5.3	7.7	5.4	7.9	5.6	8.4	5.9	8.8	6.2
	25.0	6.3	4.4	6.6	4.6	6.9	4.9	7.2	5.0	7.4	5.2	7.6	5.4	7.9	5.5	8.3	5.9	8.7	6.1
	27.0	6.2	4.4	6.5	4.6	6.8	4.8	7.1	5.0	7.3	5.2	7.5	5.3	7.8	5.5	8.2	5.8	8.6	6.0
	29.0	6.1	4.3	6.4	4.5	6.7	4.8	7.0	4.9	7.2	5.1	7.4	5.2	7.7	5.4	8.1	5.7	8.5	6.0
	31.0	6.0	4.2	6.3	4.5	6.7	4.7	6.9	4.9	7.1	5.0	7.3	5.2	7.5	5.3	8.0	5.6	8.4	5.9
	33.0	5.9	4.2	6.2	4.4	6.5	4.6	6.8	4.8	7.0	4.9	7.2	5.1	7.4	5.2	7.9	5.5	8.2	5.8
	35.0	5.8	4.1	6.1	4.3	6.4	4.5	6.7	4.7	6.9	4.9	7.1	5.0	7.3	5.1	7.7	5.4	8.1	5.7
	37.0	5.7	4.0	6.0	4.2	6.3	4.4	6.5	4.6	6.8	4.8	7.0	4.9	7.2	5.0	7.6	5.3	7.9	5.6
	39.0	5.6	3.9	5.9	4.2	6.2	4.4	6.4	4.5	6.6	4.7	6.8	4.8	7.0	4.9	7.4	5.2	7.8	5.5

RAV-GM2241AT8-E / RAV-RM561KRTP-E (Double twin)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
561	10.0	4.7	3.8	4.9	4.1	5.2	4.3	5.4	4.4	5.6	4.6	5.7	4.7	5.9	4.8	6.2	5.1	6.5	5.3
	12.0	4.7	3.8	4.9	4.0	5.2	4.2	5.3	4.4	5.5	4.5	5.7	4.7	5.8	4.8	6.2	5.1	6.5	5.3
	14.0	4.6	3.8	4.9	4.0	5.1	4.2	5.3	4.3	5.5	4.5	5.6	4.6	5.8	4.8	6.1	5.0	6.4	5.3
	16.0	4.6	3.8	4.8	4.0	5.1	4.2	5.3	4.3	5.4	4.5	5.6	4.6	5.8	4.7	6.1	5.0	6.4	5.2
	18.0	4.6	3.7	4.8	3.9	5.0	4.1	5.2	4.3	5.4	4.4	5.6	4.6	5.7	4.7	6.1	5.0	6.3	5.2
	20.0	4.5	3.7	4.8	3.9	5.0	4.1	5.2	4.2	5.4	4.4	5.5	4.5	5.7	4.7	6.0	4.9	6.3	5.2
	21.0	4.5	3.7	4.7	3.9	5.0	4.1	5.2	4.2	5.3	4.4	5.5	4.5	5.6	4.6	6.0	4.9	6.3	5.1
	23.0	4.5	3.7	4.7	3.9	4.9	4.0	5.1	4.2	5.3	4.3	5.4	4.5	5.6	4.6	5.9	4.9	6.2	5.1
	25.0	4.4	3.6	4.6	3.8	4.9	4.0	5.0	4.1	5.2	4.3	5.4	4.4	5.5	4.5	5.9	4.8	6.1	5.0
	27.0	4.4	3.6	4.6	3.8	4.8	3.9	5.0	4.1	5.2	4.2	5.3	4.4	5.5	4.5	5.8	4.7	6.0	5.0
	29.0	4.3	3.5	4.5	3.7	4.8	3.9	4.9	4.0	5.1	4.2	5.2	4.3	5.4	4.4	5.7	4.7	6.0	4.9
	31.0	4.2	3.5	4.5	3.7	4.7	3.8	4.9	4.0	5.0	4.1	5.2	4.2	5.3	4.4	5.6	4.6	5.9	4.8
	33.0	4.2	3.4	4.4	3.6	4.6	3.8	4.8	3.9	4.9	4.1	5.1	4.2	5.2	4.3	5.5	4.5	5.8	4.8
	35.0	4.1	3.4	4.3	3.5	4.5	3.7	4.7	3.9	4.9	4.0	5.0	4.1	5.1	4.2	5.4	4.5	5.7	4.7
	37.0	4.0	3.3	4.2	3.5	4.4	3.6	4.6	3.8	4.8	3.9	4.9	4.0	5.0	4.1	5.3	4.4	5.6	4.6
	39.0	3.9	3.2	4.2	3.4	4.4	3.6	4.5	3.7	4.7	3.8	4.8	3.9	4.9	4.1	5.2	4.3	5.5	4.5

TC:Total Capacity [kW]
SHC:Sensible Heat Capacity [kW]

Sensible Heat Capacity : RAV-RM***KRTP-E

RAV-GM2801AT8-E / RAV-RM801KRTP-E (Triple)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	10.0	6.7	4.7	7.0	4.9	7.4	5.2	7.6	5.4	7.9	5.6	8.1	5.7	8.3	5.9	8.8	6.2	9.2	6.5
	12.0	6.6	4.7	7.0	4.9	7.3	5.2	7.6	5.3	7.8	5.5	8.1	5.7	8.3	5.8	8.8	6.2	9.2	6.5
	14.0	6.6	4.6	6.9	4.9	7.3	5.1	7.5	5.3	7.8	5.5	8.0	5.6	8.2	5.8	8.7	6.1	9.1	6.4
	16.0	6.5	4.6	6.9	4.8	7.2	5.1	7.5	5.3	7.7	5.4	8.0	5.6	8.2	5.8	8.7	6.1	9.1	6.4
	18.0	6.5	4.6	6.8	4.8	7.2	5.0	7.4	5.2	7.7	5.4	7.9	5.6	8.1	5.7	8.6	6.1	9.0	6.3
	20.0	6.4	4.5	6.8	4.8	7.1	5.0	7.4	5.2	7.6	5.4	7.8	5.5	8.1	5.7	8.5	6.0	8.9	6.3
	21.0	6.4	4.5	6.7	4.7	7.1	5.0	7.3	5.2	7.6	5.3	7.8	5.5	8.0	5.6	8.5	6.0	8.9	6.3
801	23.0	6.3	4.5	6.7	4.7	7.0	4.9	7.2	5.1	7.5	5.3	7.7	5.4	7.9	5.6	8.4	5.9	8.8	6.2
	25.0	6.3	4.4	6.6	4.6	6.9	4.9	7.2	5.0	7.4	5.2	7.6	5.4	7.9	5.5	8.3	5.9	8.7	6.1
	27.0	6.2	4.4	6.5	4.6	6.8	4.8	7.1	5.0	7.3	5.2	7.5	5.3	7.8	5.5	8.2	5.8	8.6	6.0
	29.0	6.1	4.3	6.4	4.5	6.7	4.8	7.0	4.9	7.2	5.1	7.4	5.2	7.7	5.4	8.1	5.7	8.5	6.0
	31.0	6.0	4.2	6.3	4.5	6.7	4.7	6.9	4.9	7.1	5.0	7.3	5.2	7.5	5.3	8.0	5.6	8.4	5.9
	33.0	5.9	4.2	6.2	4.4	6.5	4.6	6.8	4.8	7.0	4.9	7.2	5.1	7.4	5.2	7.9	5.5	8.2	5.8
	35.0	5.8	4.1	6.1	4.3	6.4	4.5	6.7	4.7	6.9	4.9	7.1	5.0	7.3	5.1	7.7	5.4	8.1	5.7
	37.0	5.7	4.0	6.0	4.2	6.3	4.4	6.5	4.6	6.8	4.8	7.0	4.9	7.2	5.0	7.6	5.3	7.9	5.6
	39.0	5.6	3.9	5.9	4.2	6.2	4.4	6.4	4.5	6.6	4.7	6.8	4.8	7.0	4.9	7.4	5.2	7.8	5.5

RAV-GM2801AT8-E / RAV-RM801KRTP-E (Double twin)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	10.0	6.7	4.7	7.0	4.9	7.4	5.2	7.6	5.4	7.9	5.6	8.1	5.7	8.3	5.9	8.8	6.2	9.2	6.5
	12.0	6.6	4.7	7.0	4.9	7.3	5.2	7.6	5.3	7.8	5.5	8.1	5.7	8.3	5.8	8.8	6.2	9.2	6.5
	14.0	6.6	4.6	6.9	4.9	7.3	5.1	7.5	5.3	7.8	5.5	8.0	5.6	8.2	5.8	8.7	6.1	9.1	6.4
	16.0	6.5	4.6	6.9	4.8	7.2	5.1	7.5	5.3	7.7	5.4	8.0	5.6	8.2	5.8	8.7	6.1	9.1	6.4
	18.0	6.5	4.6	6.8	4.8	7.2	5.0	7.4	5.2	7.7	5.4	7.9	5.6	8.1	5.7	8.6	6.1	9.0	6.3
	20.0	6.4	4.5	6.8	4.8	7.1	5.0	7.4	5.2	7.6	5.4	7.8	5.5	8.1	5.7	8.5	6.0	8.9	6.3
	21.0	6.4	4.5	6.7	4.7	7.1	5.0	7.3	5.2	7.6	5.3	7.8	5.5	8.0	5.6	8.5	6.0	8.9	6.3
801	23.0	6.3	4.5	6.7	4.7	7.0	4.9	7.2	5.1	7.5	5.3	7.7	5.4	7.9	5.6	8.4	5.9	8.8	6.2
	25.0	6.3	4.4	6.6	4.6	6.9	4.9	7.2	5.0	7.4	5.2	7.6	5.4	7.9	5.5	8.3	5.9	8.7	6.1
	27.0	6.2	4.4	6.5	4.6	6.8	4.8	7.1	5.0	7.3	5.2	7.5	5.3	7.8	5.5	8.2	5.8	8.6	6.0
	29.0	6.1	4.3	6.4	4.5	6.7	4.8	7.0	4.9	7.2	5.1	7.4	5.2	7.7	5.4	8.1	5.7	8.5	6.0
	31.0	6.0	4.2	6.3	4.5	6.7	4.7	6.9	4.9	7.1	5.0	7.3	5.2	7.5	5.3	8.0	5.6	8.4	5.9
	33.0	5.9	4.2	6.2	4.4	6.5	4.6	6.8	4.8	7.0	4.9	7.2	5.1	7.4	5.2	7.9	5.5	8.2	5.8
	35.0	5.8	4.1	6.1	4.3	6.4	4.5	6.7	4.7	6.9	4.9	7.1	5.0	7.3	5.1	7.7	5.4	8.1	5.7
	37.0	5.7	4.0	6.0	4.2	6.3	4.4	6.5	4.6	6.8	4.8	7.0	4.9	7.2	5.0	7.6	5.3	7.9	5.6
	39.0	5.6	3.9	5.9	4.2	6.2	4.4	6.4	4.5	6.6	4.7	6.8	4.8	7.0	4.9	7.4	5.2	7.8	5.5

TC:Total Capacity [kW]
SHC:Sensible Heat Capacity [kW]

Sensible Heat Capacity : RAV-RM***FT-EN/ES

RAV-GM2241AT8-E / RAV-RM1101FT-EN/ES (Twin)

		indoor air temp.																	
unit size	outdoor air temp. CDB	14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
1101	10.0	9.4	7.0	9.9	7.4	10.4	7.8	10.7	8.1	11.1	8.3	11.4	8.6	11.8	8.8	12.5	9.3	13.0	9.8
	12.0	9.3	7.0	9.8	7.4	10.3	7.7	10.7	8.0	11.0	8.3	11.4	8.5	11.7	8.8	12.4	9.3	12.9	9.7
	14.0	9.3	7.0	9.8	7.3	10.2	7.7	10.6	8.0	11.0	8.2	11.3	8.5	11.6	8.7	12.3	9.2	12.9	9.6
	16.0	9.2	6.9	9.7	7.3	10.2	7.6	10.5	7.9	10.9	8.2	11.2	8.4	11.5	8.6	12.2	9.2	12.8	9.6
	18.0	9.1	6.9	9.6	7.2	10.1	7.6	10.4	7.8	10.8	8.1	11.1	8.3	11.4	8.6	12.1	9.1	12.7	9.5
	20.0	9.1	6.8	9.5	7.1	10.0	7.5	10.4	7.8	10.7	8.0	11.0	8.3	11.3	8.5	12.0	9.0	12.6	9.4
	21.0	9.0	6.8	9.5	7.1	10.0	7.5	10.3	7.7	10.7	8.0	11.0	8.2	11.3	8.5	12.0	9.0	12.5	9.4
	23.0	8.9	6.7	9.4	7.0	9.9	7.4	10.2	7.7	10.6	7.9	10.9	8.2	11.2	8.4	11.8	8.9	12.4	9.3
	25.0	8.8	6.6	9.3	7.0	9.8	7.3	10.1	7.6	10.4	7.8	10.8	8.1	11.1	8.3	11.7	8.8	12.2	9.2
	27.0	8.7	6.5	9.2	6.9	9.6	7.2	10.0	7.5	10.3	7.7	10.6	8.0	10.9	8.2	11.6	8.7	12.1	9.1
	29.0	8.6	6.5	9.1	6.8	9.5	7.1	9.8	7.4	10.2	7.6	10.5	7.9	10.8	8.1	11.4	8.6	11.9	9.0
	31.0	8.5	6.4	8.9	6.7	9.4	7.0	9.7	7.3	10.0	7.5	10.3	7.7	10.6	8.0	11.3	8.4	11.8	8.8
	33.0	8.4	6.3	8.8	6.6	9.2	6.9	9.6	7.2	9.9	7.4	10.2	7.6	10.5	7.8	11.1	8.3	11.6	8.7
	35.0	8.2	6.2	8.6	6.5	9.1	6.8	9.4	7.0	9.7	7.3	10.0	7.5	10.3	7.7	10.9	8.2	11.4	8.5
	37.0	8.1	6.0	8.5	6.4	8.9	6.7	9.2	6.9	9.5	7.1	9.8	7.4	10.1	7.6	10.7	8.0	11.2	8.4
	39.0	7.9	5.9	8.3	6.2	8.7	6.5	9.0	6.8	9.3	7.0	9.6	7.2	9.9	7.4	10.5	7.9	10.9	8.2

RAV-GM2241AT8-E / RAV-RM801FT-EN/ES (Triple)

		indoor air temp.																	
unit size	outdoor air temp. CDB	14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
801	10.0	6.3	4.3	6.6	4.5	6.9	4.8	7.2	4.9	7.4	5.1	7.7	5.3	7.9	5.4	8.3	5.7	8.7	6.0
	12.0	6.3	4.3	6.6	4.5	6.9	4.7	7.1	4.9	7.4	5.1	7.6	5.2	7.8	5.4	8.3	5.7	8.7	6.0
	14.0	6.2	4.3	6.5	4.5	6.9	4.7	7.1	4.9	7.3	5.0	7.6	5.2	7.8	5.3	8.2	5.7	8.6	5.9
	16.0	6.2	4.2	6.5	4.5	6.8	4.7	7.1	4.8	7.3	5.0	7.5	5.2	7.7	5.3	8.2	5.6	8.6	5.9
	18.0	6.1	4.2	6.4	4.4	6.8	4.6	7.0	4.8	7.2	5.0	7.5	5.1	7.7	5.3	8.1	5.6	8.5	5.8
	20.0	6.1	4.2	6.4	4.4	6.7	4.6	6.9	4.8	7.2	4.9	7.4	5.1	7.6	5.2	8.1	5.5	8.4	5.8
	21.0	6.0	4.1	6.4	4.4	6.7	4.6	6.9	4.7	7.1	4.9	7.4	5.1	7.6	5.2	8.0	5.5	8.4	5.8
	23.0	6.0	4.1	6.3	4.3	6.6	4.5	6.8	4.7	7.1	4.9	7.3	5.0	7.5	5.1	7.9	5.4	8.3	5.7
	25.0	5.9	4.1	6.2	4.3	6.5	4.5	6.8	4.6	7.0	4.8	7.2	4.9	7.4	5.1	7.8	5.4	8.2	5.6
	27.0	5.8	4.0	6.1	4.2	6.5	4.4	6.7	4.6	6.9	4.7	7.1	4.9	7.3	5.0	7.8	5.3	8.1	5.6
	29.0	5.8	4.0	6.1	4.2	6.4	4.4	6.6	4.5	6.8	4.7	7.0	4.8	7.2	5.0	7.6	5.3	8.0	5.5
	31.0	5.7	3.9	6.0	4.1	6.3	4.3	6.5	4.5	6.7	4.6	6.9	4.8	7.1	4.9	7.5	5.2	7.9	5.4
	33.0	5.6	3.8	5.9	4.0	6.2	4.2	6.4	4.4	6.6	4.5	6.8	4.7	7.0	4.8	7.4	5.1	7.8	5.3
	35.0	5.5	3.8	5.8	4.0	6.1	4.2	6.3	4.3	6.5	4.5	6.7	4.6	6.9	4.7	7.3	5.0	7.6	5.2
	37.0	5.4	3.7	5.7	3.9	6.0	4.1	6.2	4.2	6.4	4.4	6.6	4.5	6.8	4.6	7.2	4.9	7.5	5.1
	39.0	5.3	3.6	5.6	3.8	5.8	4.0	6.0	4.2	6.3	4.3	6.4	4.4	6.6	4.5	7.0	4.8	7.3	5.0

RAV-GM2241AT8-E / RAV-RM561FT-EN/ES (Double twin)

		indoor air temp.																	
unit size	outdoor air temp. CDB	14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
561	10.0	4.7	3.4	4.9	3.6	5.2	3.7	5.4	3.9	5.6	4.0	5.7	4.1	5.9	4.2	6.2	4.5	6.5	4.7
	12.0	4.7	3.4	4.9	3.5	5.2	3.7	5.3	3.8	5.5	4.0	5.7	4.1	5.8	4.2	6.2	4.5	6.5	4.7
	14.0	4.6	3.3	4.9	3.5	5.1	3.7	5.3	3.8	5.5	3.9	5.6	4.1	5.8	4.2	6.1	4.4	6.4	4.6
	16.0	4.6	3.3	4.8	3.5	5.1	3.7	5.3	3.8	5.4	3.9	5.6	4.0	5.8	4.2	6.1	4.4	6.4	4.6
	18.0	4.6	3.3	4.8	3.5	5.0	3.6	5.2	3.8	5.4	3.9	5.6	4.0	5.7	4.1	6.1	4.4	6.3	4.6
	20.0	4.5	3.3	4.8	3.4	5.0	3.6	5.2	3.7	5.4	3.9	5.5	4.0	5.7	4.1	6.0	4.3	6.3	4.5
	21.0	4.5	3.2	4.7	3.4	5.0	3.6	5.2	3.7	5.3	3.8	5.5	4.0	5.6	4.1	6.0	4.3	6.3	4.5
	23.0	4.5	3.2	4.7	3.4	4.9	3.5	5.1	3.7	5.3	3.8	5.4	3.9	5.6	4.0	5.9	4.3	6.2	4.5
	25.0	4.4	3.2	4.6	3.3	4.9	3.5	5.0	3.6	5.2	3.8	5.4	3.9	5.5	4.0	5.9	4.2	6.1	4.4
	27.0	4.4	3.1	4.6	3.3	4.8	3.5	5.0	3.6	5.2	3.7	5.3	3.8	5.5	3.9	5.8	4.2	6.0	4.4
	29.0	4.3	3.1	4.5	3.3	4.8	3.4	4.9	3.5	5.1	3.7	5.2	3.8	5.4	3.9	5.7	4.1	6.0	4.3
	31.0	4.2	3.1	4.5	3.2	4.7	3.4	4.9	3.5	5.0	3.6	5.2	3.7	5.3	3.8	5.6	4.1	5.9	4.2
	33.0	4.2	3.0	4.4	3.2	4.6	3.3	4.8	3.4	4.9	3.6	5.1	3.7	5.2	3.8	5.5	4.0	5.8	4.2
	35.0	4.1	3.0	4.3	3.1	4.5	3.3	4.7	3.4	4.9	3.5	5.0	3.6	5.1	3.7	5.4	3.9	5.7	4.1
	37.0	4.0	2.9	4.2	3.1	4.4	3.2	4.6	3.3	4.8	3.4	4.9	3.5	5.0	3.6	5.3	3.8	5.6	4.0
	39.0	3.9	2.8	4.2	3.0	4.4	3.1	4.5	3.2	4.7	3.4	4.8	3.5	4.9	3.6	5.2	3.8	5.5	3.9

TC:Total Capacity [kW]
SHC:Sensible Heat Capacity [kW]

Sensible Heat Capacity : RAV-RM***FT-EN/ES

RAV-GM2801AT8-E / RAV-RM1401FT-EN/ES (Twin)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
1401	10.0	11.7	8.2	12.3	8.6	13.0	9.0	13.4	9.3	13.9	9.7	14.3	9.9	14.7	10.2	15.6	10.8	16.3	11.3
	12.0	11.7	8.1	12.3	8.5	12.9	9.0	13.3	9.3	13.8	9.6	14.2	9.9	14.6	10.2	15.5	10.8	16.2	11.3
	14.0	11.6	8.1	12.2	8.5	12.8	8.9	13.3	9.2	13.7	9.5	14.1	9.8	14.5	10.1	15.4	10.7	16.1	11.2
	16.0	11.5	8.0	12.1	8.4	12.7	8.8	13.2	9.2	13.6	9.5	14.0	9.8	14.4	10.0	15.3	10.6	16.0	11.1
	18.0	11.4	7.9	12.0	8.4	12.6	8.8	13.1	9.1	13.5	9.4	13.9	9.7	14.3	10.0	15.1	10.5	15.8	11.0
	20.0	11.3	7.9	11.9	8.3	12.5	8.7	12.9	9.0	13.4	9.3	13.8	9.6	14.2	9.9	15.0	10.5	15.7	10.9
	21.0	11.3	7.8	11.9	8.3	12.4	8.7	12.9	9.0	13.3	9.3	13.7	9.6	14.1	9.8	15.0	10.4	15.6	10.9
	23.0	11.2	7.8	11.7	8.2	12.3	8.6	12.8	8.9	13.2	9.2	13.6	9.5	14.0	9.7	14.8	10.3	15.5	10.8
	25.0	11.0	7.7	11.6	8.1	12.2	8.5	12.6	8.8	13.1	9.1	13.4	9.4	13.8	9.6	14.6	10.2	15.3	10.7
	27.0	10.9	7.6	11.5	8.0	12.0	8.4	12.5	8.7	12.9	9.0	13.3	9.2	13.7	9.5	14.5	10.1	15.1	10.5
	29.0	10.8	7.5	11.3	7.9	11.9	8.3	12.3	8.6	12.7	8.9	13.1	9.1	13.5	9.4	14.3	9.9	14.9	10.4
	31.0	10.6	7.4	11.2	7.8	11.7	8.2	12.1	8.4	12.5	8.7	12.9	9.0	13.3	9.2	14.1	9.8	14.7	10.2
	33.0	10.4	7.3	11.0	7.6	11.5	8.0	11.9	8.3	12.3	8.6	12.7	8.8	13.1	9.1	13.8	9.6	14.5	10.1
	35.0	10.3	7.1	10.8	7.5	11.3	7.9	11.7	8.2	12.1	8.5	12.5	8.7	12.9	8.9	13.6	9.5	14.2	9.9
	37.0	10.1	7.0	10.6	7.4	11.1	7.7	11.5	8.0	11.9	8.3	12.3	8.5	12.6	8.8	13.4	9.3	14.0	9.7
	39.0	9.9	6.9	10.4	7.2	10.9	7.6	11.3	7.9	11.7	8.1	12.0	8.4	12.4	8.6	13.1	9.1	13.7	9.5

RAV-GM2801AT8-E / RAV-RM801FT-EN/ES (Triple)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
801	10.0	6.3	4.3	6.6	4.5	6.9	4.8	7.2	4.9	7.4	5.1	7.7	5.3	7.9	5.4	8.3	5.7	8.7	6.0
	12.0	6.3	4.3	6.6	4.5	6.9	4.7	7.1	4.9	7.4	5.1	7.6	5.2	7.8	5.4	8.3	5.7	8.7	6.0
	14.0	6.2	4.3	6.5	4.5	6.9	4.7	7.1	4.9	7.3	5.0	7.6	5.2	7.8	5.3	8.2	5.7	8.6	5.9
	16.0	6.2	4.2	6.5	4.5	6.8	4.7	7.1	4.8	7.3	5.0	7.5	5.2	7.7	5.3	8.2	5.6	8.6	5.9
	18.0	6.1	4.2	6.4	4.4	6.8	4.6	7.0	4.8	7.2	5.0	7.5	5.1	7.7	5.3	8.1	5.6	8.5	5.8
	20.0	6.1	4.2	6.4	4.4	6.7	4.6	6.9	4.8	7.2	4.9	7.4	5.1	7.6	5.2	8.1	5.5	8.4	5.8
	21.0	6.0	4.1	6.4	4.4	6.7	4.6	6.9	4.7	7.1	4.9	7.4	5.1	7.6	5.2	8.0	5.5	8.4	5.8
	23.0	6.0	4.1	6.3	4.3	6.6	4.5	6.8	4.7	7.1	4.9	7.3	5.0	7.5	5.1	7.9	5.4	8.3	5.7
	25.0	5.9	4.1	6.2	4.3	6.5	4.5	6.8	4.6	7.0	4.8	7.2	4.9	7.4	5.1	7.8	5.4	8.2	5.6
	27.0	5.8	4.0	6.1	4.2	6.5	4.4	6.7	4.6	6.9	4.7	7.1	4.9	7.3	5.0	7.8	5.3	8.1	5.6
	29.0	5.8	4.0	6.1	4.2	6.4	4.4	6.6	4.5	6.8	4.7	7.0	4.8	7.2	5.0	7.6	5.3	8.0	5.5
	31.0	5.7	3.9	6.0	4.1	6.3	4.3	6.5	4.5	6.7	4.6	6.9	4.8	7.1	4.9	7.5	5.2	7.9	5.4
	33.0	5.6	3.8	5.9	4.0	6.2	4.2	6.4	4.4	6.6	4.5	6.8	4.7	7.0	4.8	7.4	5.1	7.8	5.3
	35.0	5.5	3.8	5.8	4.0	6.1	4.2	6.3	4.3	6.5	4.5	6.7	4.6	6.9	4.7	7.3	5.0	7.6	5.2
	37.0	5.4	3.7	5.7	3.9	6.0	4.1	6.2	4.2	6.4	4.4	6.6	4.5	6.8	4.6	7.2	4.9	7.5	5.1
	39.0	5.3	3.6	5.6	3.8	5.8	4.0	6.0	4.2	6.3	4.3	6.4	4.4	6.6	4.5	7.0	4.8	7.3	5.0

RAV-GM2801AT8-E / RAV-RM801FT-EN/ES (Double twin)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
801	10.0	6.3	4.3	6.6	4.5	6.9	4.8	7.2	4.9	7.4	5.1	7.7	5.3	7.9	5.4	8.3	5.7	8.7	6.0
	12.0	6.3	4.3	6.6	4.5	6.9	4.7	7.1	4.9	7.4	5.1	7.6	5.2	7.8	5.4	8.3	5.7	8.7	6.0
	14.0	6.2	4.3	6.5	4.5	6.9	4.7	7.1	4.9	7.3	5.0	7.6	5.2	7.8	5.3	8.2	5.7	8.6	5.9
	16.0	6.2	4.2	6.5	4.5	6.8	4.7	7.1	4.8	7.3	5.0	7.5	5.2	7.7	5.3	8.2	5.6	8.6	5.9
	18.0	6.1	4.2	6.4	4.4	6.8	4.6	7.0	4.8	7.2	5.0	7.5	5.1	7.7	5.3	8.1	5.6	8.5	5.8
	20.0	6.1	4.2	6.4	4.4	6.7	4.6	6.9	4.8	7.2	4.9	7.4	5.1	7.6	5.2	8.1	5.5	8.4	5.8
	21.0	6.0	4.1	6.4	4.4	6.7	4.6	6.9	4.7	7.1	4.9	7.4	5.1	7.6	5.2	8.0	5.5	8.4	5.8
	23.0	6.0	4.1	6.3	4.3	6.6	4.5	6.8	4.7	7.1	4.9	7.3	5.0	7.5	5.1	7.9	5.4	8.3	5.7
	25.0	5.9	4.1	6.2	4.3	6.5	4.5	6.8	4.6	7.0	4.8	7.2	4.9	7.4	5.1	7.8	5.4	8.2	5.6
	27.0	5.8	4.0	6.1	4.2	6.5	4.4	6.7	4.6	6.9	4.7	7.1	4.9	7.3	5.0	7.8	5.3	8.1	5.6
	29.0	5.8	4.0	6.1	4.2	6.4	4.4	6.6	4.5	6.8	4.7	7.0	4.8	7.2	5.0	7.6	5.3	8.0	5.5
	31.0	5.7	3.9	6.0	4.1	6.3	4.3	6.5	4.5	6.7	4.6	6.9	4.8	7.1	4.9	7.5	5.2	7.9	5.4
	33.0	5.6	3.8	5.9	4.0	6.2	4.2	6.4	4.4	6.6	4.5	6.8	4.7	7.0	4.8	7.4	5.1	7.8	5.3
	35.0	5.5	3.8	5.8	4.0	6.1	4.2	6.3	4.3	6.5	4.5	6.7	4.6	6.9	4.7	7.3	5.0	7.6	5.2
	37.0	5.4	3.7	5.7	3.9	6.0	4.1	6.2	4.2	6.4	4.4	6.6	4.5	6.8	4.6	7.2	4.9	7.5	5.1
	39.0	5.3	3.6	5.6	3.8	5.8	4.0	6.0	4.2	6.3	4.3	6.4	4.4	6.6	4.5	7.0	4.8	7.3	5.0

TC:Total Capacity [kW]
SHC:Sensible Heat Capacity [kW]

1-7. Part Load Performance

Indoor unit : **RAV-RM1101UTP-E×2, RAV-RM801UTP-E×3, RAV-RM561UTP-E×4**
Outdoor unit : **RAV-GM2241AT8(J)-E**

	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	4600	940	4600	850
RATING	20000	5560	22400	5300

Cooling

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
40	Q	18130	16780	15430	14090	12740	11390	10040	10040	10040	10040
	W	6270	5860	5450	5040	4630	4220	3810	3810	3810	3810
35	Q	20000	18290	16580	14870	13160	11440	9730	8020	6310	4600
	W	5560	5050	4530	4020	3510	2990	2480	1970	1450	940
30	Q	21040	19260	17480	15700	13910	12130	10350	8570	6790	5010
	W	5480	4970	4470	3960	3470	2960	2460	1950	1440	940
25	Q	22200	20330	18470	16600	14740	12870	11010	9140	7280	5410
	W	4610	4190	3780	3360	2950	2530	2120	1700	870	870
20	Q	23560	21590	19620	17650	15670	13700	11730	9760	7790	5820
	W	3730	3400	3080	2750	2430	2100	1770	1440	1120	790

Heating

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
15	Q	27440	25190	22940	20700	18450	16200	13950	11710	9460	7210
	W	6420	5840	5260	4690	4120	3540	2960	2390	1820	1230
10	Q	23770	21750	19730	17710	15690	13660	11640	9620	7600	5580
	W	5990	5440	4870	4320	3770	3200	2650	2100	1530	980
7	Q	22400	20420	18440	16470	14490	12510	10530	8560	6580	4600
	W	5300	4800	4310	3810	3310	2820	2320	1820	1320	830
5	Q	20110	18310	16520	14720	12930	11130	9330	7540	5740	3950
	W	5180	4680	4190	3700	3200	2710	2210	1720	1210	720
2	Q	17690	15710	13730	11750	9770	7790	7790	7790	7790	7790
	W	5010	4490	3960	3430	2910	2380	2380	2380	2380	2380
0	Q	16530	14760	13000	11230	9470	7700	7700	7700	7700	7700
	W	4900	4390	3880	3370	2850	2340	2340	2340	2340	2340
-5	Q	13780	12680	11570	10470	9360	9360	9360	9360	9360	9360
	W	4630	4180	3730	3300	2850	2850	2850	2850	2850	2850
-7	Q	12730	11870	11010	10150	9290	9290	9290	9290	9290	9290
	W	4510	4030	3570	3090	2620	2620	2620	2620	2620	2620
-10	Q	12450	11520	10600	9670	8750	8750	8750	8750	8750	8750
	W	4350	3900	3460	3010	2560	2560	2560	2560	2560	2560
-15	Q	12210	11170	10120	9080	8040	8040	8040	8040	8040	8040
	W	4070	3670	3270	2870	2480	2480	2480	2480	2480	2480
-20	Q	8910	8040	7170	6300	5430	5430	5430	5430	5430	5430
	W	3790	3430	3080	2720	2370	2370	2370	2370	2370	2370

Indoor unit : RAV-RM1401UTP-E×2, RAV-RM801UTP-E×3, RAV-RM801UTP-E×4
Outdoor unit : RAV-GM2801AT8(J)-E

	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	4600	940	4600	850
RATING	23500	7830	27000	7100

Cooling

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
40	Q	22560	20490	18130	15650	14580	12810	11040	11040	11040	11040
	W	8920	7100	6270	5440	4620	3790	2960	2960	2960	2960
35	Q	23500	21490	19480	17470	15470	13460	10510	7550	4600	4600
	W	7830	6970	6110	5250	4390	3520	2660	1800	940	940
30	Q	25340	23090	20840	18600	16350	14100	11070	8040	5010	5010
	W	6870	6130	5380	4640	3900	3150	2420	1670	930	930
25	Q	27170	24690	22200	19720	17230	14740	11630	8520	5410	5410
	W	5750	5140	4530	3920	3300	2690	2080	1470	860	860
20	Q	29010	26280	23560	20840	18110	15390	12200	9010	5820	5820
	W	4640	4150	3670	3190	2700	2220	1740	1250	780	780

Heating

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
15	Q	33850	30640	27440	24240	21040	17830	14630	12160	9680	7210
	W	7840	7110	6380	5640	4910	4170	3430	2700	1970	1230
10	Q	29570	26670	23770	20880	17980	15080	12190	9980	7780	5580
	W	7380	6670	5950	5250	4530	3820	3110	2400	1690	970
7	Q	27000	24570	21870	19180	16480	13790	11950	9500	7050	4600
	W	7100	6410	5700	5010	4310	3610	2910	2220	1510	820
5	Q	25290	22700	20110	17510	14920	12330	9740	7810	5880	3950
	W	6920	6230	5540	4860	4160	3480	2780	2090	1410	710
2	Q	22720	20210	17690	15180	12660	10140	7790	7790	7790	7790
	W	6640	5930	5210	4500	3790	3080	2370	2370	2370	2370
0	Q	21010	18770	16530	14280	12040	9800	7700	7700	7700	7700
	W	6450	5760	5080	4390	3700	3010	2330	2330	2330	2330
-5	Q	16730	15260	13780	12310	10840	9360	9360	9360	9360	9360
	W	5990	5360	4730	4090	3470	2840	2840	2840	2840	2840
-7	Q	15020	13870	12730	11580	10440	9290	9290	9290	9290	9290
	W	5790	5160	4520	3880	3240	2610	2610	2610	2610	2610
-10	Q	14920	13690	12450	11220	9980	8750	8750	8750	8750	8750
	W	5630	5020	4400	3780	3160	2550	2550	2550	2550	2550
-15	Q	14760	13480	12210	10930	9650	8040	8040	8040	8040	8040
	W	5420	4820	4230	3640	3050	2460	2460	2460	2460	2460
-20	Q	11230	10070	8910	7750	6590	5430	5430	5430	5430	5430
	W	4780	4300	3810	3330	2840	2350	2350	2350	2350	2350

Indoor unit : RAV-RM561MUT-E×4
Outdoor unit : RAV-GM2241AT8(J)-E

	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	4600	1010	4600	930
RATING	20000	6350	22400	6310

Cooling

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
40	Q	18130	16780	15430	14090	12740	11390	10040	10040	10040	10040
	W	7060	6530	6000	5470	4940	4410	3880	3880	3880	3880
35	Q	20000	18290	16580	14870	13160	11440	9730	8020	6310	4600
	W	6350	5760	5160	4570	3980	3380	2790	2200	1600	1010
30	Q	21040	19260	17480	15700	13910	12130	10350	8570	6790	5010
	W	6310	5720	5140	4540	3960	3370	2790	2190	1600	1020
25	Q	22200	20330	18470	16600	14740	12870	11010	9140	7280	5410
	W	5440	4940	4440	3940	3440	2940	2440	1940	1450	950
20	Q	23560	21590	19620	17650	15670	13700	11730	9760	7790	5820
	W	4580	4160	3750	3340	2920	2520	2100	1680	1280	860

Heating

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
15	Q	27440	25190	22940	20700	18450	16200	13950	11710	9460	7210
	W	7460	6780	6100	5420	4750	4070	3390	2710	2030	1350
10	Q	23770	21750	19730	17710	15690	13660	11640	9620	7600	5580
	W	7020	6360	5700	5040	4380	3730	3070	2410	1750	1090
7	Q	22400	20420	18440	16470	14490	12510	10530	8560	6580	4600
	W	6310	5710	5110	4520	3920	3320	2720	2130	1530	930
5	Q	20110	18310	16520	14720	12930	11130	9330	7540	5740	3950
	W	6190	5600	5000	4400	3810	3210	2610	2020	1420	820
2	Q	17690	15710	13730	11750	9770	7790	7790	7790	7790	7790
	W	6020	5330	4650	3960	3280	2590	2590	2590	2590	2590
0	Q	16530	14760	13000	11230	9470	7700	7700	7700	7700	7700
	W	5910	5230	4560	3890	3220	2550	2550	2550	2550	2550
-5	Q	13780	12680	11570	10470	9360	9360	9360	9360	9360	9360
	W	5620	4980	4350	3720	3090	3090	3090	3090	3090	3090
-7	Q	12730	11870	11010	10150	9290	9290	9290	9290	9290	9290
	W	5500	4840	4180	3510	2850	2850	2850	2850	2850	2850
-10	Q	12450	11520	10600	9670	8750	8750	8750	8750	8750	8750
	W	5330	4690	4060	3430	2790	2790	2790	2790	2790	2790
-15	Q	12210	11170	10120	9080	8040	8040	8040	8040	8040	8040
	W	5040	4450	3870	3280	2700	2700	2700	2700	2700	2700
-20	Q	8910	8040	7170	6300	5430	5430	5430	5430	5430	5430
	W	4750	4210	3670	3130	2590	2590	2590	2590	2590	2590

Indoor unit : RAV-RM1101BTP-E×2, RAV-RM801BTP-E×3, RAV-RM561BTP-E×4
Outdoor unit : RAV-GM2241AT8(J)-E

	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	4600	1010	4600	930
RATING	20000	6170	22400	5570

Cooling

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
40	Q	18130	16780	15430	14090	12740	11390	10040	10040	10040	10040
	W	6880	6380	5880	5380	4880	4380	3880	3880	3880	3880
35	Q	20000	18290	16580	14870	13160	11440	9730	8020	6310	4600
	W	6170	5600	5020	4450	3880	3300	2730	2160	1580	1010
30	Q	21040	19260	17480	15700	13910	12130	10350	8570	6790	5010
	W	6130	5550	4990	4420	3860	3290	2730	2150	1580	1020
25	Q	22200	20330	18470	16600	14740	12870	11010	9140	7280	5410
	W	5250	4770	4300	3820	3340	2860	2380	1900	1430	950
20	Q	23560	21590	19620	17650	15670	13700	11730	9760	7790	5820
	W	4380	3980	3600	3200	2820	2420	2040	1640	1260	860

Heating

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
15	Q	27440	25190	22940	20700	18450	16200	13950	11710	9460	7210
	W	6690	6080	5490	4890	4300	3700	3110	2500	1910	1310
10	Q	23770	21750	19730	17710	15690	13660	11640	9620	7600	5580
	W	6260	5680	5100	4520	3950	3370	2790	2210	1630	1060
7	Q	22400	20420	18440	16470	14490	12510	10530	8560	6580	4600
	W	5570	5060	4530	4020	3490	2980	2460	1940	1420	900
5	Q	20110	18310	16520	14720	12930	11130	9330	7540	5740	3950
	W	5460	4940	4430	3900	3390	2870	2350	1830	1320	800
2	Q	17690	15710	13730	11750	9770	7790	7790	7790	7790	7790
	W	5290	4740	4180	3630	3080	2510	2510	2510	2510	2510
0	Q	16530	14760	13000	11230	9470	7700	7700	7700	7700	7700
	W	5180	4640	4100	3550	3020	2480	2480	2480	2480	2480
-5	Q	13780	12680	11570	10470	9360	9360	9360	9360	9360	9360
	W	4900	4430	3950	3480	3000	3000	3000	3000	3000	3000
-7	Q	12730	11870	11010	10150	9290	9290	9290	9290	9290	9290
	W	4790	4280	3780	3270	2770	2770	2770	2770	2770	2770
-10	Q	12450	11520	10600	9670	8750	8750	8750	8750	8750	8750
	W	4620	4140	3670	3180	2710	2710	2710	2710	2710	2710
-15	Q	12210	11170	10120	9080	8040	8040	8040	8040	8040	8040
	W	4340	3900	3470	3050	2620	2620	2620	2620	2620	2620
-20	Q	8910	8040	7170	6300	5430	5430	5430	5430	5430	5430
	W	4060	3670	3280	2890	2510	2510	2510	2510	2510	2510

Indoor unit : RAV-RM1401BTP-E×2, RAV-RM801BTP-E×3, RAV-RM801BTP-E×4
Outdoor unit : RAV-GM2801AT8(J)-E

	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	4600	1010	4600	930
RATING	23500	8870	27000	7460

Cooling

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
40	Q	22560	20490	18130	16350	14580	12810	11040	11050	11050	11050
	W	9870	8780	7690	6600	5520	4430	3310	3310	3310	3310
35	Q	23500	21490	19480	17470	15470	13460	10510	7550	4600	4600
	W	8870	7890	6910	5920	4940	3960	2980	1990	1010	1010
30	Q	25340	23090	20840	18600	16350	14100	11070	8040	5010	5010
	W	8060	7180	6300	5420	4540	3660	2780	1900	1020	1020
25	Q	27170	24690	22200	19720	17230	14740	11630	8520	5410	5410
	W	6920	6180	5430	4670	3930	3180	2440	1690	930	930
20	Q	29010	26280	23560	20840	18110	15390	12200	9010	5820	5820
	W	5790	5170	4560	3940	3330	2700	2090	1470	860	860

Heating

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
15	Q	33850	30640	27440	24240	21040	17830	14630	12160	9680	7210
	W	8210	7440	6670	5900	5130	4360	3590	2820	2050	1310
10	Q	29570	26670	23770	20880	17980	15080	12190	9980	7780	5580
	W	7740	7000	6250	5510	4760	4020	3270	2530	1780	1050
7	Q	27000	24570	21870	19180	16480	13790	11950	9500	7050	4600
	W	7460	6730	6000	5270	4540	3810	3090	2350	1630	900
5	Q	25290	22700	20110	17510	14920	12330	9740	7810	5880	3950
	W	7270	6550	5830	5120	4390	3680	2960	2230	1520	790
2	Q	22720	20210	17690	15180	12660	10140	7790	7790	7790	7790
	W	6990	6240	5490	4730	3980	3220	2510	2510	2510	2510
0	Q	21010	18770	16530	14280	12040	9800	7700	7700	7700	7700
	W	6800	6080	5340	4610	3880	3150	2470	2470	2470	2470
-5	Q	16730	15260	13780	12310	10840	9360	9360	9360	9360	9370
	W	6340	5670	5000	4330	3670	2990	2990	2990	2990	2990
-7	Q	15020	13870	12730	11580	10440	9290	9290	9290	9290	9290
	W	6140	5480	4800	4120	3440	2760	2760	2760	2760	2760
-10	Q	14920	13690	12450	11220	9980	8750	8750	8750	8750	8750
	W	5990	5330	4670	4020	3370	2700	2700	2700	2700	2700
-15	Q	14760	13480	12210	10930	9650	8040	8040	8040	8040	8040
	W	5780	5120	4460	3810	3150	2610	2610	2610	2610	2610
-20	Q	11230	10070	8910	7750	6590	5430	5430	5430	5430	5440
	W	5140	4620	4080	3560	3040	2510	2510	2510	2510	2510

Indoor unit : RAV-RM561SDT-E×4
Outdoor unit : RAV-GM2241AT8(J)-E

	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	4600	1010	4600	930
RATING	20000	6670	22400	6310

Cooling

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
40	Q	18130	16780	15430	14090	12740	11390	10040	10040	10040	10040
	W	7380	6800	6210	5630	5050	4460	3880	3880	3880	3880
35	Q	20000	18290	16580	14870	13160	11440	9730	8020	6310	4600
	W	6670	6040	5410	4780	4150	3530	2900	2270	1640	1010
30	Q	21040	19260	17480	15700	13910	12130	10350	8570	6790	5010
	W	6630	6010	5390	4760	4140	3510	2890	2260	1640	1020
25	Q	22200	20330	18470	16600	14740	12870	11010	9140	7280	5410
	W	5760	5220	4690	4150	3620	3080	2540	2010	1470	940
20	Q	23560	21590	19620	17650	15670	13700	11730	9760	7790	5820
	W	4900	4450	4010	3550	3100	2660	2210	1760	1310	860

Heating

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
15	Q	27440	25190	22940	20700	18450	16200	13950	11710	9460	7210
	W	7460	6780	6100	5420	4750	4070	3390	2710	2030	1350
10	Q	23770	21750	19730	17710	15690	13660	11640	9620	7600	5580
	W	7020	6360	5700	5040	4380	3730	3070	2410	1750	1090
7	Q	22400	20420	18440	16470	14490	12510	10530	8560	6580	4600
	W	6310	5710	5110	4520	3920	3320	2720	2130	1530	930
5	Q	20110	18310	16520	14720	12930	11130	9330	7540	5740	3950
	W	6190	5600	5000	4400	3810	3210	2610	2020	1420	820
2	Q	17690	15710	13730	11750	9770	7790	7790	7790	7790	7790
	W	6020	5330	4650	3960	3280	2590	2590	2590	2590	2590
0	Q	16530	14760	13000	11230	9470	7700	7700	7700	7700	7700
	W	5910	5230	4560	3890	3220	2550	2550	2550	2550	2550
-5	Q	13780	12680	11570	10470	9360	9360	9360	9360	9360	9360
	W	5620	4980	4350	3720	3090	3090	3090	3090	3090	3090
-7	Q	12730	11870	11010	10150	9290	9290	9290	9290	9290	9290
	W	5500	4840	4180	3510	2850	2850	2850	2850	2850	2850
-10	Q	12450	11520	10600	9670	8750	8750	8750	8750	8750	8750
	W	5330	4690	4060	3430	2790	2790	2790	2790	2790	2790
-15	Q	12210	11170	10120	9080	8040	8040	8040	8040	8040	8040
	W	5040	4450	3870	3280	2700	2700	2700	2700	2700	2700
-20	Q	8910	8040	7170	6300	5430	5430	5430	5430	5430	5430
	W	4750	4210	3670	3130	2590	2590	2590	2590	2590	2590

Indoor unit : RAV-RM2241DTP-E
Outdoor unit : RAV-GM2241AT8(J)-E

	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	4600	1270	4600	1270
RATING	19000	5860	22400	5710

Cooling

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
40	Q	17130	15870	14600	13340	12070	10810	9540	9540	9540	9540
	W	6950	6310	5670	5030	4390	3750	3110	3110	3110	3110
35	Q	19000	17400	15800	14200	12600	11000	9400	7800	6200	4600
	W	5860	5350	4840	4330	3820	3310	2800	2290	1780	1270
30	Q	20040	18370	16700	15030	13360	11690	10020	8350	6680	5010
	W	4960	4550	4150	3730	3330	2920	2520	2100	1690	1290
25	Q	21200	19450	17690	15940	14180	12430	10670	8920	7160	5410
	W	3820	3520	3230	2950	2660	2370	2080	1790	1500	1220
20	Q	22560	20700	18840	16980	15120	13260	11400	9540	7680	5820
	W	2680	2510	2340	2160	2000	1820	1650	1480	1310	1130

Heating

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
15	Q	25010	23030	21060	19080	17100	15120	13140	11170	9190	7210
	W	6460	5920	5390	4850	4310	3780	3250	2710	2180	1640
10	Q	23380	21400	19420	17450	15470	13490	11510	9530	7560	5580
	W	5990	5480	4960	4460	3950	3430	2920	2410	1900	1390
7	Q	22400	20420	18440	16470	14490	12510	10530	8560	6580	4600
	W	5710	5220	4710	4220	3720	3220	2720	2230	1730	1230
5	Q	21750	19770	17790	15810	13840	11860	9880	7900	5930	3950
	W	5680	5170	4670	4160	3660	3150	2650	2140	1630	1130
2	Q	17690	16040	14390	12740	11090	9440	7790	7790	7790	7790
	W	5640	5150	4680	4190	3720	3230	2750	2750	2750	2750
0	Q	16530	15060	13590	12110	10640	9170	7700	7700	7700	7700
	W	5500	5040	4570	4100	3640	3170	2710	2710	2710	2710
-5	Q	13780	12900	12010	11130	10250	9360	9360	9360	9360	9360
	W	5150	4770	4390	4010	3630	3240	3240	3240	3240	3240
-7	Q	12730	12040	11350	10670	9980	9290	9290	9290	9290	9290
	W	4950	4560	4170	3780	3400	3010	3010	3010	3010	3010
-10	Q	12450	11710	10970	10230	9490	8750	8750	8750	8750	8750
	W	4820	4440	4070	3690	3330	2950	2950	2950	2950	2950
-15	Q	12210	11380	10540	9710	8870	8040	8040	8040	8040	8040
	W	4650	4290	3940	3580	3220	2860	2860	2860	2860	2860
-20	Q	8910	8210	7520	6820	6130	5430	5430	5430	5430	5430
	W	4230	3940	3640	3340	3040	2750	2750	2750	2750	2750

Indoor unit : RAV-RM2801DTP-E
Outdoor unit : RAV-GM2801AT8(J)-E

	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	4600	1270	4600	1270
RATING	22500	7980	27000	7520

Cooling

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
40	Q	21560	19710	17860	16010	14160	12310	10640	10640	10640	10640
	W	9070	8020	6960	5900	4840	3780	2660	2660	2660	2660
35	Q	22500	20430	18370	16300	14240	12170	10110	7350	4600	4600
	W	7980	7040	6100	5160	4220	3270	2330	1800	1270	1270
30	Q	24340	22060	19780	17500	15230	12950	10670	7840	5010	5010
	W	7070	6230	5400	4550	3720	2890	2050	1660	1270	1270
25	Q	26170	23680	21190	18700	16210	13720	11230	8320	5410	5410
	W	5940	5230	4530	3830	3130	2420	1710	1460	1190	1190
20	Q	28010	25310	22600	19900	17200	14500	11800	8810	5820	5820
	W	4820	4250	3670	3100	2520	1950	1370	1250	1120	1120

Heating

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
15	Q	33850	30640	27440	24240	21040	17830	14630	12160	9680	7210
	W	8260	7530	6800	6060	5330	4580	3850	3110	2380	1630
10	Q	29570	26670	23770	20880	17980	15080	12190	9980	7780	5580
	W	7800	7090	6370	5660	4950	4230	3520	2810	2100	1380
7	Q	27000	24570	21870	19180	16480	13790	11950	9500	7050	4600
	W	7520	6820	6120	5420	4730	4020	3330	2630	1920	1230
5	Q	25290	22700	20110	17510	14920	12330	9740	7810	5880	3950
	W	7340	6640	5950	5270	4570	3890	3190	2500	1820	1120
2	Q	22720	20210	17690	15180	12660	10140	7790	7790	7790	7790
	W	7060	6330	5620	4890	4180	3460	2740	2740	2740	2740
0	Q	21010	18770	16530	14280	12040	9800	7700	7700	7700	7700
	W	6860	6170	5480	4790	4090	3390	2700	2700	2700	2700
-5	Q	16730	15260	13780	12310	10840	9360	9360	9360	9360	9370
	W	6400	5760	5130	4500	3870	3230	3230	3230	3230	3230
-7	Q	15020	13870	12730	11580	10440	9290	9290	9290	9290	9290
	W	6210	5570	4930	4280	3640	3000	3000	3000	3000	3000
-10	Q	14920	13690	12450	11220	9980	8750	8750	8750	8750	8750
	W	6050	5420	4800	4190	3570	2940	2940	2940	2940	2940
-15	Q	14760	13480	12210	10930	9650	8040	8040	8040	8040	8040
	W	5840	5240	4640	4040	3440	2850	2850	2850	2850	2850
-20	Q	11230	10070	8910	7750	6590	5430	5430	5430	5430	5440
	W	5200	4710	4210	3720	3240	2750	2750	2750	2750	2750

Indoor unit : RAV-RM1101CTP-E×2, RAV-RM801CTP-E×3, RAV-RM561CTP-E×4
Outdoor unit : RAV-GM2241AT8(J)-E

	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	4600	1010	4600	930
RATING	20000	6170	22400	5710

Cooling

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
40	Q	18130	16780	15430	14090	12740	11390	10040	10040	10040	10040
	W	6880	6380	5880	5380	4880	4380	3880	3880	3880	3880
35	Q	20000	18290	16580	14870	13160	11440	9730	8020	6310	4600
	W	6170	5600	5020	4450	3880	3300	2730	2160	1580	1010
30	Q	21040	19260	17480	15700	13910	12130	10350	8570	6790	5010
	W	6120	5550	4990	4420	3860	3280	2720	2150	1580	1020
25	Q	22200	20330	18470	16600	14740	12870	11010	9140	7280	5410
	W	5250	4770	4290	3810	3340	2860	2380	1900	870	950
20	Q	23560	21590	19620	17650	15670	13700	11730	9760	7790	5820
	W	4380	3980	3600	3200	2820	2420	2040	1640	1260	860

Heating

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
15	Q	27440	25190	22940	20700	18450	16200	13950	11710	9460	7210
	W	6820	6210	5600	4980	4370	3760	3150	2540	1930	1310
10	Q	23770	21750	19730	17710	15690	13660	11640	9620	7600	5580
	W	6400	5810	5220	4610	4020	3430	2840	2240	1650	1060
7	Q	22400	20420	18440	16470	14490	12510	10530	8560	6580	4600
	W	5710	5180	4640	4110	3580	3030	2500	1970	1430	900
5	Q	20110	18310	16520	14720	12930	11130	9330	7540	5740	3950
	W	5600	5060	4530	4000	3460	2930	2400	1860	1330	800
2	Q	17690	15710	13730	11750	9770	7790	7790	7790	7790	7790
	W	5430	4860	4280	3710	3120	2550	2550	2550	2550	2550
0	Q	16530	14760	13000	11230	9470	7700	7700	7700	7700	7700
	W	5330	4760	4200	3640	3080	2510	2510	2510	2510	2510
-5	Q	13780	12680	11570	10470	9360	9360	9360	9360	9360	9360
	W	5040	4540	4050	3540	3050	3050	3050	3050	3050	3050
-7	Q	12730	11870	11010	10150	9290	9290	9290	9290	9290	9290
	W	4930	4400	3870	3350	2810	2810	2810	2810	2810	2810
-10	Q	12450	11520	10600	9670	8750	8750	8750	8750	8750	8750
	W	4760	4260	3750	3260	2750	2750	2750	2750	2750	2750
-15	Q	12210	11170	10120	9080	8040	8040	8040	8040	8040	8040
	W	4480	4020	3570	3120	2670	2670	2670	2670	2670	2670
-20	Q	8910	8040	7170	6300	5430	5430	5430	5430	5430	5430
	W	4200	3790	3370	2970	2560	2560	2560	2560	2560	2560

Indoor unit : RAV-RM1401CTP-E×2, RAV-RM801CTP-E×3, RAV-RM801CTP-E×4
Outdoor unit : RAV-GM2801AT8(J)-E

	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	4600	1010	4600	930
RATING	23500	8970	27000	7560

Cooling

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
40	Q	22560	20490	18130	16350	14580	12810	11040	11040	11040	11040
	W	10060	8950	7830	6710	5600	4480	3360	3360	3360	3360
35	Q	23500	21490	19480	17470	15470	13460	10510	7550	4600	4600
	W	8970	7980	6990	6000	5010	4020	3030	2040	1010	1010
30	Q	25340	23090	20840	18600	16350	14100	11070	8040	5010	5010
	W	8030	7150	6270	5390	4520	3640	2750	1880	1000	1000
25	Q	27170	24690	22200	19720	17230	14740	11630	8520	5410	5410
	W	6910	6170	5410	4670	3910	3170	2420	1670	920	920
20	Q	29010	26280	23560	20840	18110	15390	12200	9010	5820	5820
	W	5800	5180	4560	3940	3320	2700	2080	1470	850	850

Heating

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
15	Q	33850	30640	27440	24240	21040	17830	14630	12160	9680	7210
	W	8300	7490	6680	5880	5070	4260	3510	2780	2050	1310
10	Q	29570	26670	23770	20880	17980	15080	12190	9980	7780	5580
	W	7840	7070	6290	5510	4740	3960	3230	2510	1780	1050
7	Q	27000	24570	21870	19180	16480	13790	11950	9500	7050	4600
	W	7560	6810	6050	5300	4540	3780	3060	2350	1620	900
5	Q	25290	22700	20110	17510	14920	12330	9740	7810	5880	3950
	W	7380	6640	5890	5160	4410	3670	2960	2230	1520	790
2	Q	22720	20210	17690	15180	12660	10140	7790	7790	7790	7790
	W	7100	6330	5560	4790	4030	3260	2540	2540	2540	2540
0	Q	21010	18770	16530	14280	12040	9800	7700	7700	7700	7700
	W	6910	6160	5430	4680	3940	3200	2500	2500	2500	2500
-5	Q	16730	15260	13780	12310	10840	9360	9360	9360	9360	9360
	W	6440	5760	5080	4390	3720	3030	3030	3030	3030	3030
-7	Q	15020	13870	12730	11580	10440	9290	9290	9290	9290	9290
	W	6250	5560	4880	4180	3500	2800	2800	2800	2800	2800
-10	Q	14920	13690	12450	11220	9980	8750	8750	8750	8750	8750
	W	6090	5420	4750	4080	3420	2740	2740	2740	2740	2740
-15	Q	14760	13480	12210	10930	9650	8040	8040	8040	8040	8040
	W	5880	5210	4540	3870	3210	2660	2660	2660	2660	2660
-20	Q	11230	10070	8910	7750	6590	5430	5430	5430	5430	5430
	W	5240	4700	4160	3620	3090	2550	2550	2550	2550	2550

Indoor unit : RAV-RM801KRTP-E×3, RAV-RM561KRTP-E×4
Outdoor unit : RAV-GM2241AT8(J)-E

	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	4600	1010	4600	930
RATING	20000	6670	22400	6120

Cooling

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
40	Q	18130	16780	15430	14090	12740	11390	10040	10040	10040	10040
	W	7380	6800	6210	5630	5050	4460	3880	3880	3880	3880
35	Q	20000	18290	16580	14870	13160	11440	9730	8020	6310	4600
	W	6670	6040	5410	4780	4150	3530	2900	2270	1640	1010
30	Q	21040	19260	17480	15700	13910	12130	10350	8570	6790	5010
	W	6640	6020	5390	4770	4150	3510	2890	2260	1640	1020
25	Q	22200	20330	18470	16600	14740	12870	11010	9140	7280	5410
	W	5770	5230	4700	4160	3630	3090	2550	2020	1480	950
20	Q	23560	21590	19620	17650	15670	13700	11730	9760	7790	5820
	W	4900	4460	4010	3550	3110	2660	2210	1770	1310	860

Heating

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
15	Q	27440	25190	22940	20700	18450	16200	13950	11710	9460	7210
	W	7240	6580	5920	5260	4610	3950	3290	2630	1970	1310
10	Q	23770	21750	19730	17710	15690	13660	11640	9620	7600	5580
	W	6810	6170	5530	4890	4250	3620	2980	2340	1700	1060
7	Q	22400	20420	18440	16470	14490	12510	10530	8560	6580	4600
	W	6120	5540	4960	4380	3800	3220	2640	2070	1480	900
5	Q	20110	18310	16520	14720	12930	11130	9330	7540	5740	3950
	W	6000	5430	4850	4270	3700	3110	2530	1960	1380	800
2	Q	17690	15710	13730	11750	9770	7790	7790	7790	7790	7790
	W	5840	5170	4510	3840	3180	2510	2510	2510	2510	2510
0	Q	16530	14760	13000	11230	9470	7700	7700	7700	7700	7700
	W	5730	5070	4420	3770	3120	2470	2470	2470	2470	2470
-5	Q	13780	12680	11570	10470	9360	9360	9360	9360	9360	9360
	W	5450	4830	4220	3610	3000	3000	3000	3000	3000	3000
-7	Q	12730	11870	11010	10150	9290	9290	9290	9290	9290	9290
	W	5330	4690	4050	3400	2760	2760	2760	2760	2760	2760
-10	Q	12450	11520	10600	9670	8750	8750	8750	8750	8750	8750
	W	5170	4550	3940	3330	2710	2710	2710	2710	2710	2710
-15	Q	12210	11170	10120	9080	8040	8040	8040	8040	8040	8040
	W	4890	4320	3750	3180	2620	2620	2620	2620	2620	2620
-20	Q	8910	8040	7170	6300	5430	5430	5430	5430	5430	5430
	W	4610	4080	3560	3040	2510	2510	2510	2510	2510	2510

Indoor unit : RAV-RM801KRTP-E×3, RAV-RM801KRTP-E×4
Outdoor unit : RAV-GM2801AT8(J)-E

	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	4600	1010	4600	930
RATING	23500	9220	27000	7650

Cooling

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
40	Q	22560	20490	18130	16350	14580	12810	11040	11050	11050	11050
	W	10310	9150	7980	6810	5650	4480	3510	3510	3510	3510
35	Q	23500	21490	19480	17470	15470	13460	10510	7550	4600	4600
	W	9220	8210	7210	6200	5190	4190	3180	2100	1010	1010
30	Q	25340	23090	20840	18600	16350	14100	11070	8040	5010	5010
	W	8290	7400	6500	5600	4700	3810	2910	1960	1000	1000
25	Q	27170	24690	22200	19720	17230	14740	11630	8520	5410	5410
	W	7170	6410	5640	4880	4110	3340	2570	1740	920	920
20	Q	29010	26280	23560	20840	18110	15390	12200	9010	5820	5820
	W	6060	5420	4790	4150	3510	2880	2230	1540	850	850

Heating

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
15	Q	33850	30640	27440	24240	21040	17830	14630	12160	9680	7210
	W	8390	7610	6820	6040	5240	4460	3670	2890	2100	1300
10	Q	29570	26670	23770	20880	17980	15080	12190	9980	7780	5580
	W	7930	7170	6400	5640	4880	4110	3340	2580	1820	1050
7	Q	27000	24570	21870	19180	16480	13790	11950	9500	7050	4600
	W	7650	6900	6150	5400	4650	3900	3150	2400	1650	900
5	Q	25290	22700	20110	17510	14920	12330	9740	7810	5880	3950
	W	7470	6720	5980	5240	4500	3760	3010	2280	1540	790
2	Q	22720	20210	17690	15180	12660	10140	7790	7790	7790	7790
	W	7190	6400	5630	4850	4080	3300	2570	2570	2570	2570
0	Q	21010	18770	16530	14280	12040	9800	7700	7700	7700	7700
	W	6990	6240	5500	4740	3990	3240	2530	2530	2530	2530
-5	Q	16730	15260	13780	12310	10840	9360	9360	9360	9360	9360
	W	6530	5830	5150	4450	3770	3070	3070	3070	3070	3070
-7	Q	15020	13870	12730	11580	10440	9290	9290	9290	9290	9290
	W	6340	5640	4940	4240	3540	2840	2840	2840	2840	2840
-10	Q	14920	13690	12450	11220	9980	8750	8750	8750	8750	8750
	W	6180	5500	4820	4140	3470	2780	2780	2780	2780	2780
-15	Q	14760	13480	12210	10930	9650	8040	8040	8040	8040	8040
	W	5970	5290	4610	3930	3260	2690	2690	2690	2690	2690
-20	Q	11230	10070	8910	7750	6590	5430	5430	5430	5430	5440
	W	5330	4780	4230	3680	3140	2590	2590	2590	2590	2590

Indoor unit : RAV-RM1101FT-EN/ES×2, RAV-RM801FT-EN/ES×3, RAV-RM561FT-EN/ES×4
Outdoor unit : RAV-GM2241AT8(J)-E

	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	4600	1010	4600	930
RATING	20000	6170	22400	5630

Cooling

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
52	Q	11740	11740	11740	11740	10830	9920	9010	9010	9010	9010
	W	6390	6390	6390	6390	6160	5200	4610	4610	4610	4610
48	Q	12610	12610	12610	11770	10930	10090	9250	9250	9250	9250
	W	6930	6930	6930	6710	5900	5100	4290	4290	4290	4290
46	Q	17040	15790	14550	13300	12060	10810	9570	9570	9570	9570
	W	8660	7920	7170	6430	5680	4930	4190	4190	4190	4190
43	Q	17780	16450	15120	13790	12450	11120	9790	9790	9790	9790
	W	7400	6840	6280	5720	5160	4600	4040	4040	4040	4040
40	Q	18130	16780	15430	14090	12740	11390	10040	10040	10040	10040
	W	6880	6380	5880	5380	4880	4380	3880	3880	3880	3880
35	Q	20000	18290	16580	14870	13160	11440	9730	8020	6310	4600
	W	6170	5600	5020	4450	3880	3300	2730	2160	1580	1010
30	Q	21040	19260	17480	15700	13910	12130	10350	8570	6790	5010
	W	5890	5340	4800	4250	3710	3160	2620	2070	1520	980
25	Q	22200	20330	18470	16600	14740	12870	11010	9140	7280	5410
	W	5050	4590	4130	3670	3210	2750	2290	1830	1370	910
20	Q	23560	21590	19620	17650	15670	13700	11730	9760	7790	5820
	W	4210	3830	3460	3080	2710	2330	1960	1580	1210	830

Heating

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
20	Q	31110	28640	26160	23690	21210	18740	16260	13790	11320	8840
	W	7190	6570	5940	5330	4700	4080	3450	2830	2200	1620
15	Q	27440	25190	22940	20700	18450	16200	13950	11710	9460	7210
	W	6760	6150	5550	4940	4340	3740	3140	2530	1930	1350
10	Q	23770	21750	19730	17710	15690	13660	11640	9620	7600	5580
	W	6330	5740	5160	4570	3990	3400	2820	2230	1650	1090
7	Q	22400	20420	18440	16470	14490	12510	10530	8560	6580	4600
	W	5630	5110	4580	4060	3530	3010	2480	1960	1430	930
5	Q	20110	18310	16520	14720	12930	11130	9330	7540	5740	3950
	W	5510	4990	4470	3940	3420	2900	2370	1850	1330	820
2	Q	17690	15710	13730	11750	9770	7790	7790	7790	7790	7790
	W	5350	4790	4230	3670	3110	2540	2540	2540	2540	2540
0	Q	16530	14760	13000	11230	9470	7700	7700	7700	7700	7700
	W	5240	4690	4140	3590	3050	2500	2500	2500	2500	2500
-5	Q	13780	12680	11570	10470	9360	9360	9360	9360	9360	9360
	W	4950	4470	3990	3510	3030	3030	3030	3030	3030	3030
-7	Q	12730	11870	11010	10150	9290	9290	9290	9290	9290	9290
	W	4840	4330	3820	3300	2790	2790	2790	2790	2790	2790
-10	Q	12450	11520	10600	9670	8750	8750	8750	8750	8750	8750
	W	4670	4190	3710	3220	2740	2740	2740	2740	2740	2740
-15	Q	12210	11170	10120	9080	8040	8040	8040	8040	8040	8040
	W	4380	3940	3510	3080	2650	2650	2650	2650	2650	2650
-20	Q	8910	8040	7170	6300	5430	5430	5430	5430	5430	5430
	W	4100	3710	3310	2920	2540	2540	2540	2540	2540	2540
-27	Q	4770	4290	3800	3320	2830	2830	2830	2830	2830	2830
	W	3700	3370	3060	2740	2410	2410	2410	2410	2410	2410

Indoor unit : RAV-RM1401FT-EN/ES×2, RAV-RM801FT-EN/ES×3, RAV-RM801FT-EN/ES×4
Outdoor unit : RAV-GM2801AT8(J)-E

	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	4600	1010	4600	930
RATING	23500	8870	27000	8210

Cooling

Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
52	Q	11740	11740	11740	11740	11740	11350	10060	10060	10060	10060
	W	5330	5330	5330	5330	5330	5180	4130	4130	4130	4130
48	Q	12610	12610	12610	12610	12610	11530	10250	10250	10250	10250
	W	5860	5860	5860	5860	5860	5000	3970	3970	3970	3970
46	Q	17440	17440	17440	15010	13520	12050	10570	10570	10570	10570
	W	7370	7370	7370	6870	6220	4940	3640	3640	3640	3640
43	Q	21990	19890	17780	15680	14050	12420	10790	10790	10790	10790
	W	10520	9370	8210	6750	5900	4740	3550	3550	3550	3550
40	Q	22560	20490	18130	16350	14580	12810	11040	11050	11050	11050
	W	9870	8780	7690	6600	5520	4430	3310	3310	3310	3310
35	Q	23500	21490	19480	17470	15470	13460	10510	7550	4600	4600
	W	8870	7890	6910	5920	4940	3960	2980	1990	1010	1010
30	Q	25340	23090	20840	18600	16350	14100	11070	8040	5010	5010
	W	7780	6930	6080	5230	4380	3530	2680	1830	980	980
25	Q	27170	24690	22200	19720	17230	14740	11630	8520	5410	5410
	W	6680	5960	5240	4510	3790	3070	2350	1630	900	900
20	Q	29010	26280	23560	20840	18110	15390	12200	9010	5820	5820
	W	5590	4990	4400	3800	3210	2610	2020	1420	830	830

Heating

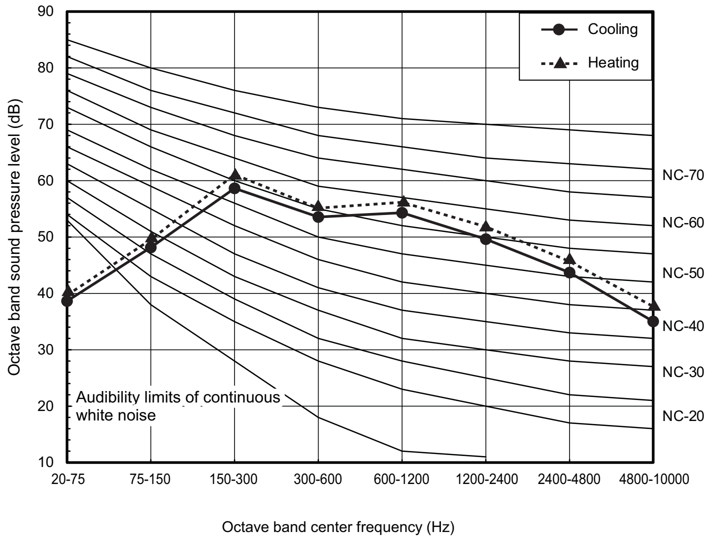
Outdoor temperature (°C)		Load(%)									
		100	90	80	70	60	50	40	30	20	10
20	Q	38130	34620	31110	27600	24090	20590	17080	14330	11590	8840
	W	9550	8680	7790	6920	6040	5180	4310	3420	2550	1620
15	Q	33850	30640	27440	24240	21040	17830	14630	12160	9680	7210
	W	9030	8190	7330	6490	5640	4810	3950	3100	2260	1350
10	Q	29570	26670	23770	20880	17980	15080	12190	9980	7780	5580
	W	8520	7700	6880	6060	5230	4420	3600	2780	1960	1090
7	Q	27000	24570	21870	19180	16480	13790	11950	9500	7050	4600
	W	8210	7410	6600	5800	4990	4200	3400	2590	1790	930
5	Q	25290	22700	20110	17510	14920	12330	9740	7810	5880	3950
	W	8010	7210	6420	5630	4830	4050	3260	2460	1670	820
2	Q	22720	20210	17690	15180	12660	10140	7790	7790	7790	7790
	W	7700	6870	6040	5200	4370	3550	2760	2760	2760	2760
0	Q	21010	18770	16530	14280	12040	9800	7700	7700	7700	7700
	W	7490	6690	5880	5080	4270	3480	2720	2720	2720	2720
-5	Q	16730	15260	13780	12310	10840	9360	9360	9360	9360	9360
	W	6970	6240	5500	4770	4030	3290	3290	3290	3290	3290
-7	Q	15020	13870	12730	11580	10440	9290	9290	9290	9290	9290
	W	6760	6030	5280	4530	3790	3040	3040	3040	3040	3040
-10	Q	14920	13690	12450	11220	9980	8750	8750	8750	8750	8750
	W	6590	5870	5140	4420	3700	2970	2970	2970	2970	2970
-15	Q	14760	13480	12210	10930	9650	8040	8040	8040	8040	8040
	W	6360	5630	4910	4190	3470	2880	2880	2880	2880	2880
-20	Q	11230	10070	8910	7750	6590	5430	5430	5430	5430	5440
	W	5650	5080	4490	3920	3340	2760	2760	2760	2760	2760
-27	Q	6280	5530	4770	4010	3260	2830	2830	2830	2840	2840
	W	4930	4460	4000	3530	3070	2620	2620	2620	2620	2620

1-8. Sound Data

1-8-1. NC Curve

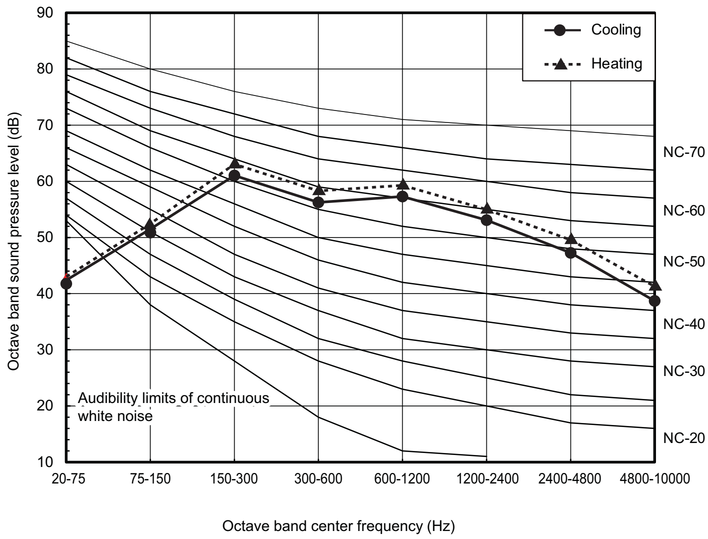
RAV-GM2241AT8-E

Sound pressure level (dB(A))	Cooling	Heating
	58	60



RAV-GM2801AT8-E

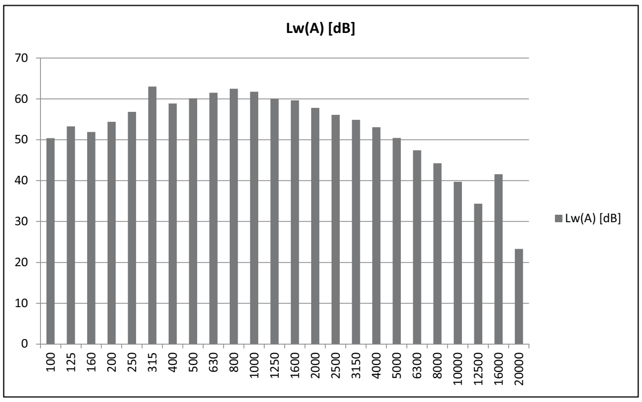
Sound pressure level (dB(A))	Cooling	Heating
	61	63



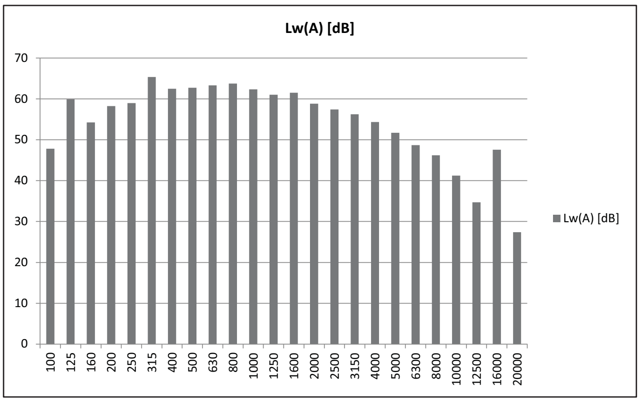
1-8-2. Sound power spectrum

RAV-GM2241AT8-E

Cooling

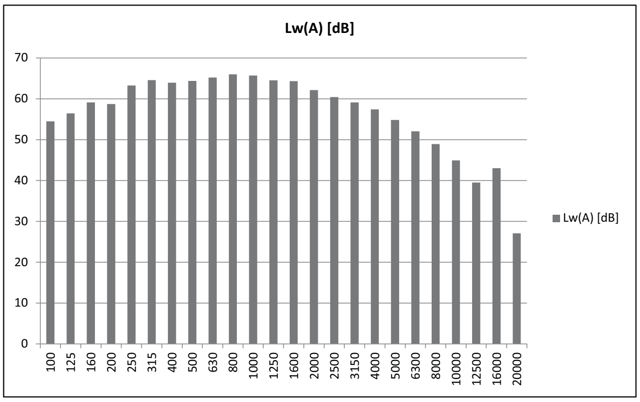


Heating

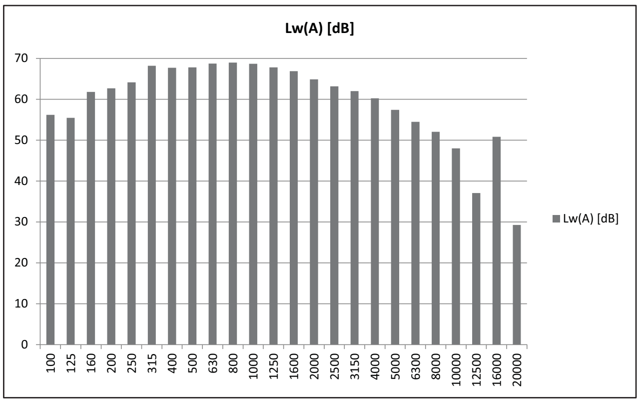


RAV-GM2801AT8-E

Cooling

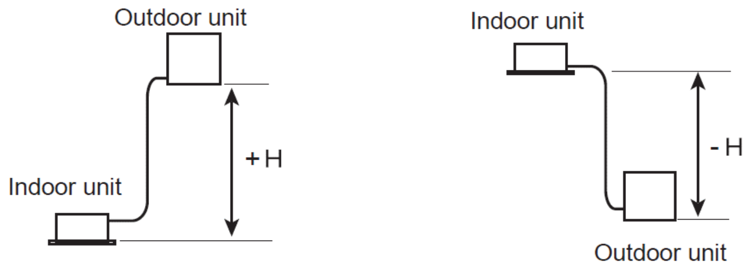


Heating

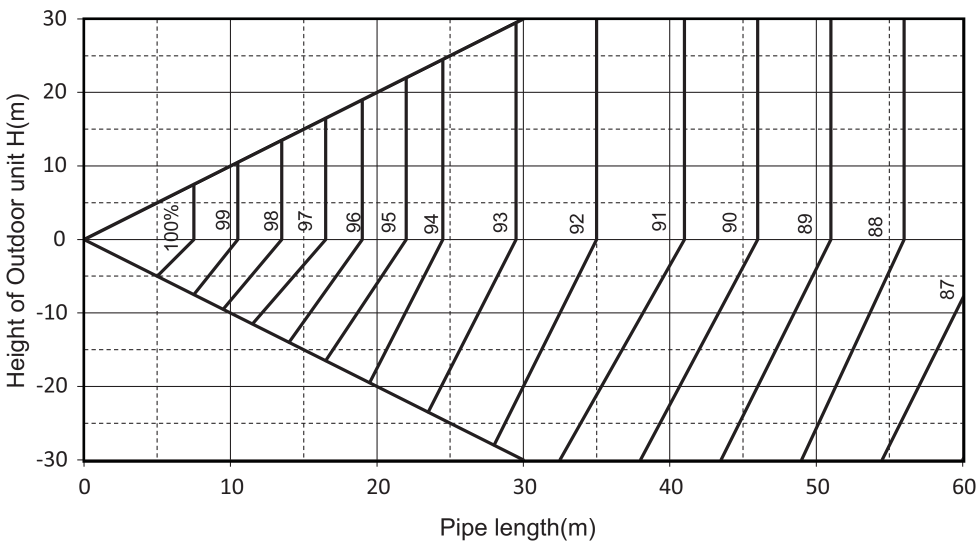


1-9. Pipe Capacity Correction

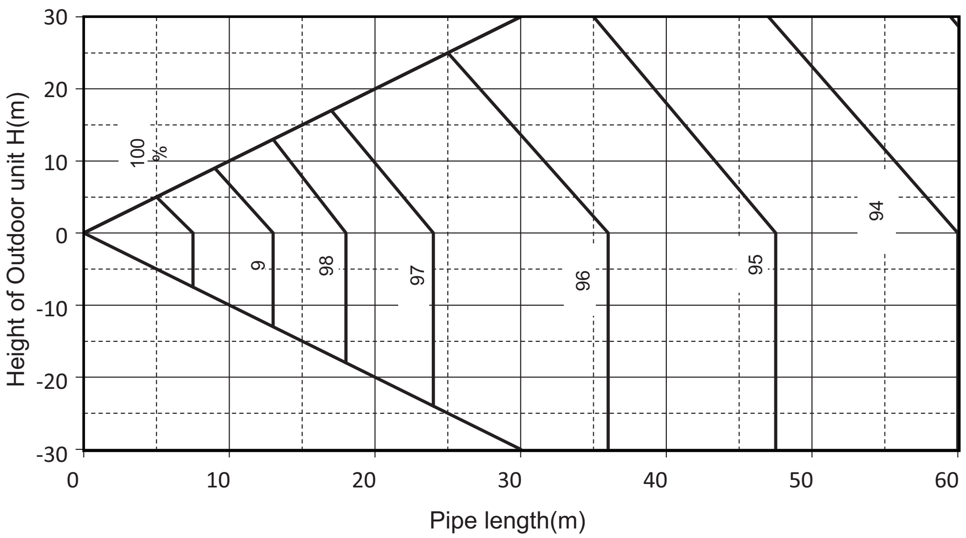
Connecting pipe length and lift difference between indoor units vs. capacity correction value



[Cooling]



[Heating]



1-10. Refrigerant Pipe Length

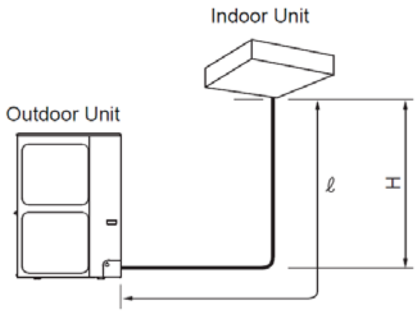
Refrigerant Pipe Length

Single system

	Allowable pipe length (m)				
	Total length(m)			Height difference (m)	
	Minimum length	Maximum length	Charge less length	Outdoor unit: Upper	Indoor unit: Upper
GM224 GM280	5	60	30	30	30

	Pipe diameter (mm)		Number of bent portions
	Gas side	Liquid side	
GM224	φ28.6	φ12.7	10 or less
GM280			10 or less

Figure of Single



Simultaneous Twin system

		Allowable pipe length (m)						
		Total length(m)				Height difference (m)		
		Total length • $\ell 1 + \ell 2$ • $\ell 1 + \ell 3$ • $\ell 1 + \ell 4$	Branch pipe length • $\ell 2$ • $\ell 3$ • $\ell 4$	Branch pipe difference • $\ell 3 - \ell 2$ • $\ell 4 - \ell 2$ • $\ell 4 - \ell 3$	Charge less length	Outdoor unit: Upper	Indoor unit: Upper	Indoor-indoor (Δh)
Twin	GM224 GM280	Equivalent length:125 Real length :100	20	10	30	30	30	0.5
Triple	GM224 GM280	Equivalent length:125 Real length :100	20	10	30	30	30	0.5

		Pipe diameter (mm)				Number of bent portions
		Main pipe (mm)		Branch piping (mm)		
		Gas side	Liquid side	Gas side	Liquid side	
Twin	GM224	φ28.6	φ12.7	φ15.9	φ9.5	10 or less
	GM280					10 or less
Triple	GM224	φ28.6	φ12.7	φ15.9	φ9.5	10 or less
	GM280					10 or less

Figure of Simultaneous twin

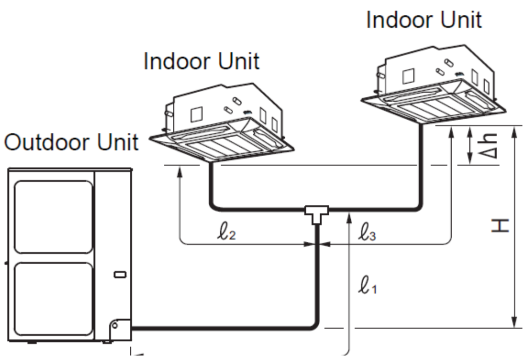
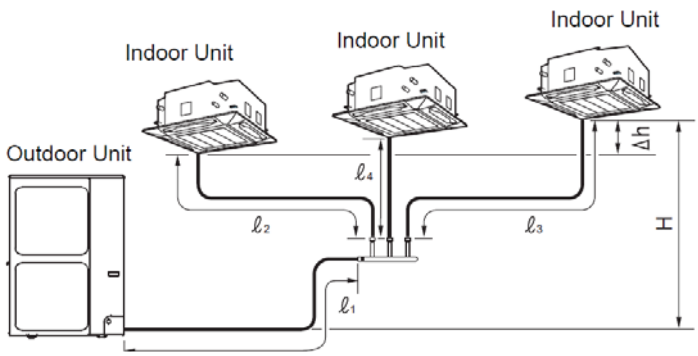


Figure of Simultaneous triple

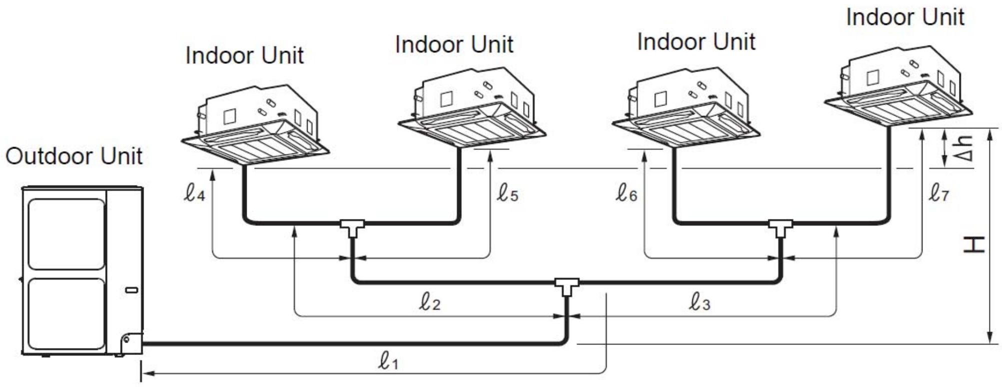


Simultaneous double twin system

	Allowable pipe length (m)						
	Maximum Pipe length(m)				Height difference (m)		
					Indoor-outdoor H		
	Total length •ℓ1 + 2 + ℓ4 •ℓ1 + 2 + ℓ5 •ℓ1 + 3 + ℓ6 •ℓ1 + 3 + ℓ7	Branch pipe length • ℓ4 • ℓ5 • ℓ6 • ℓ7	Branch piping • (ℓ4 + ℓ2) – (ℓ5 + ℓ2) • (ℓ4 + ℓ2) – (ℓ6 + ℓ3) • (ℓ4 + ℓ2) – (ℓ7 + ℓ3) • (ℓ5 + ℓ2) – (ℓ6 + ℓ3) • (ℓ5 + ℓ2) – (ℓ7 + ℓ3) • (ℓ6 + ℓ3) – (ℓ7 + ℓ3)	Charge less length	Outdoor unit: Upper	Indoor unit: Upper	Indoor-indoor (Δh)
GM224	Equivalent length:125 Real length :100	15	6	30	30	30	0.5
GM280					50	30	0.5

	Pipe diameter (mm)				Number of bent portions
	Main pipe (mm)		Branch piping (mm)		
	Gas side	Liquid side	Gas side	Liquid side	
GM224	φ28.6	φ12.7	ℓ2, ℓ3) φ15.9 ℓ4, ℓ5, ℓ6, ℓ7:) φ12.7	ℓ2, ℓ3) φ9.5 ℓ4, ℓ5, ℓ6, ℓ7:) φ6.4	10 or less
GM280	φ28.6	φ12.7	ℓ4, ℓ5, ℓ6, ℓ7:) φ15.9	ℓ2, ℓ3, ℓ4, ℓ5, ℓ6, ℓ7:) φ9.5	10 or less

Figure of Simultaneous double twin



Additional refrigerant amount

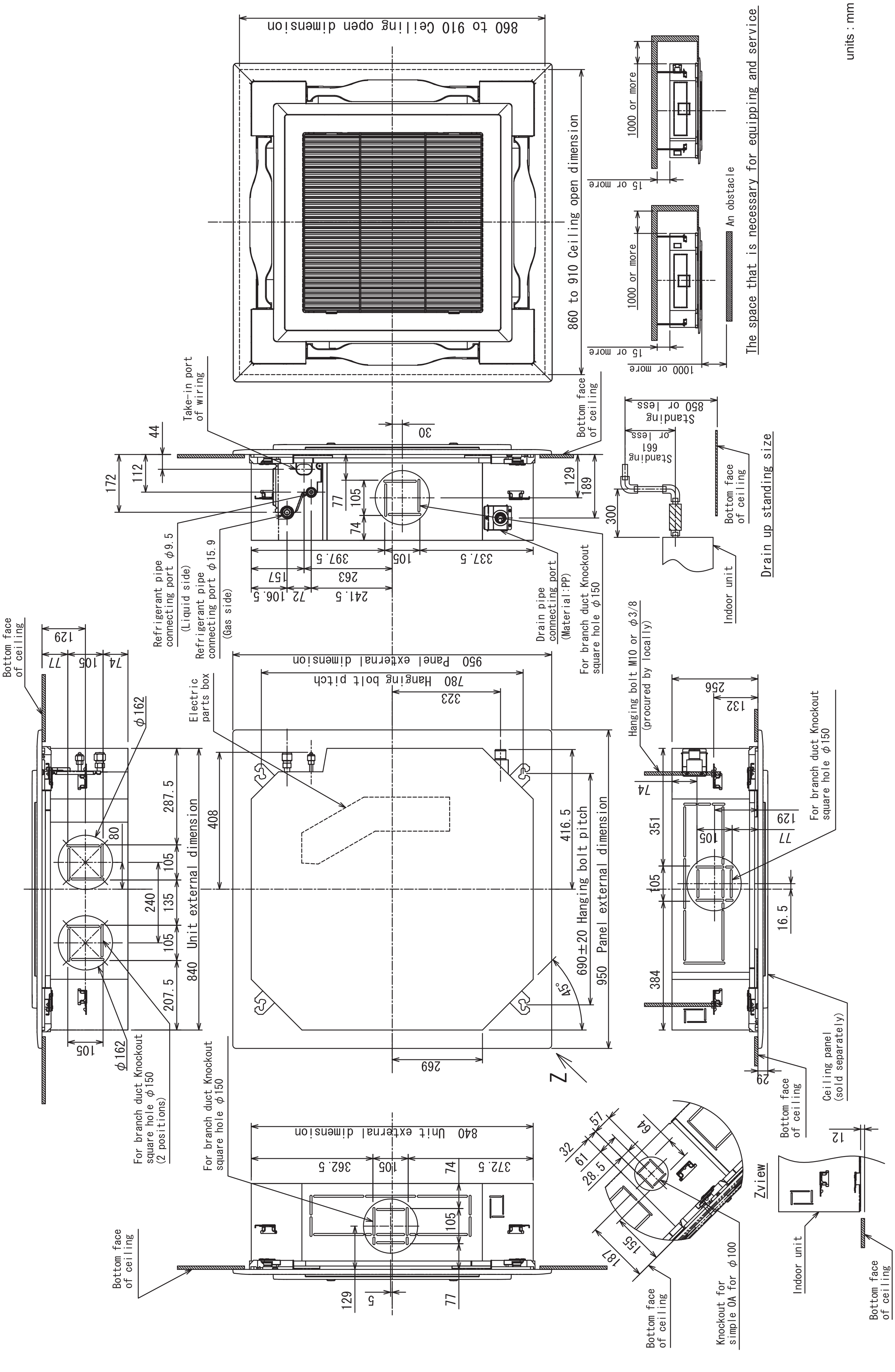
	Additional refrigerant amount per 1m liquid pipe (kg/m)					
	GM224			GM280		
	Main pipe	Branch pipe	Branch pipe 2	Main pipe	Branch pipe	Branch pipe 2
Single	0.08	-	-	0.08	-	-
Twin	0.08	0.04	-	0.08	0.04	-
Triple	0.08	0.04	-	0.08	0.04	-
Double Twin	0.08	0.04	0.02	0.08	0.04	0.04

2 Indoor unit

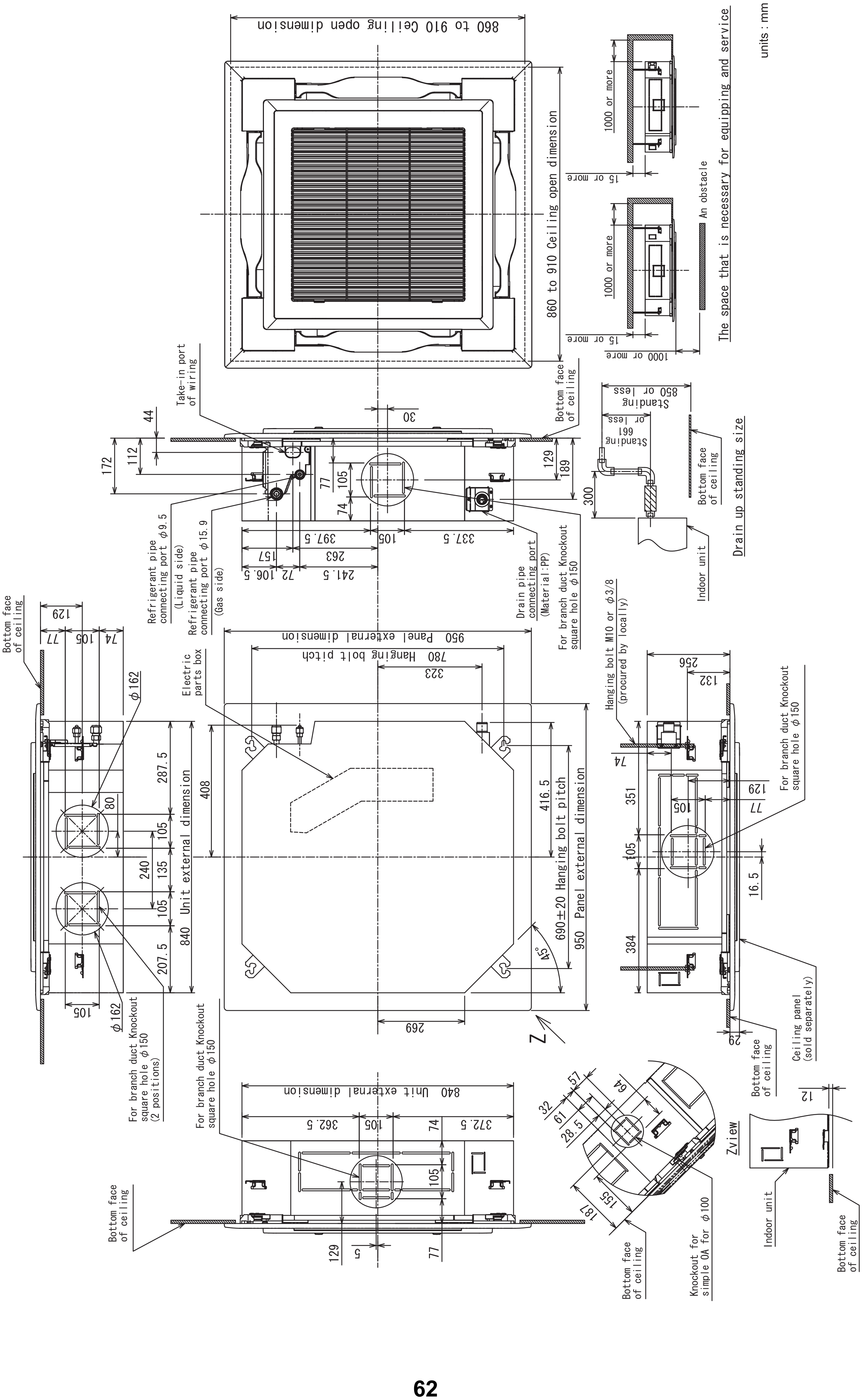
2-1. 4-way Cassette Type

2-1-1. Dimension

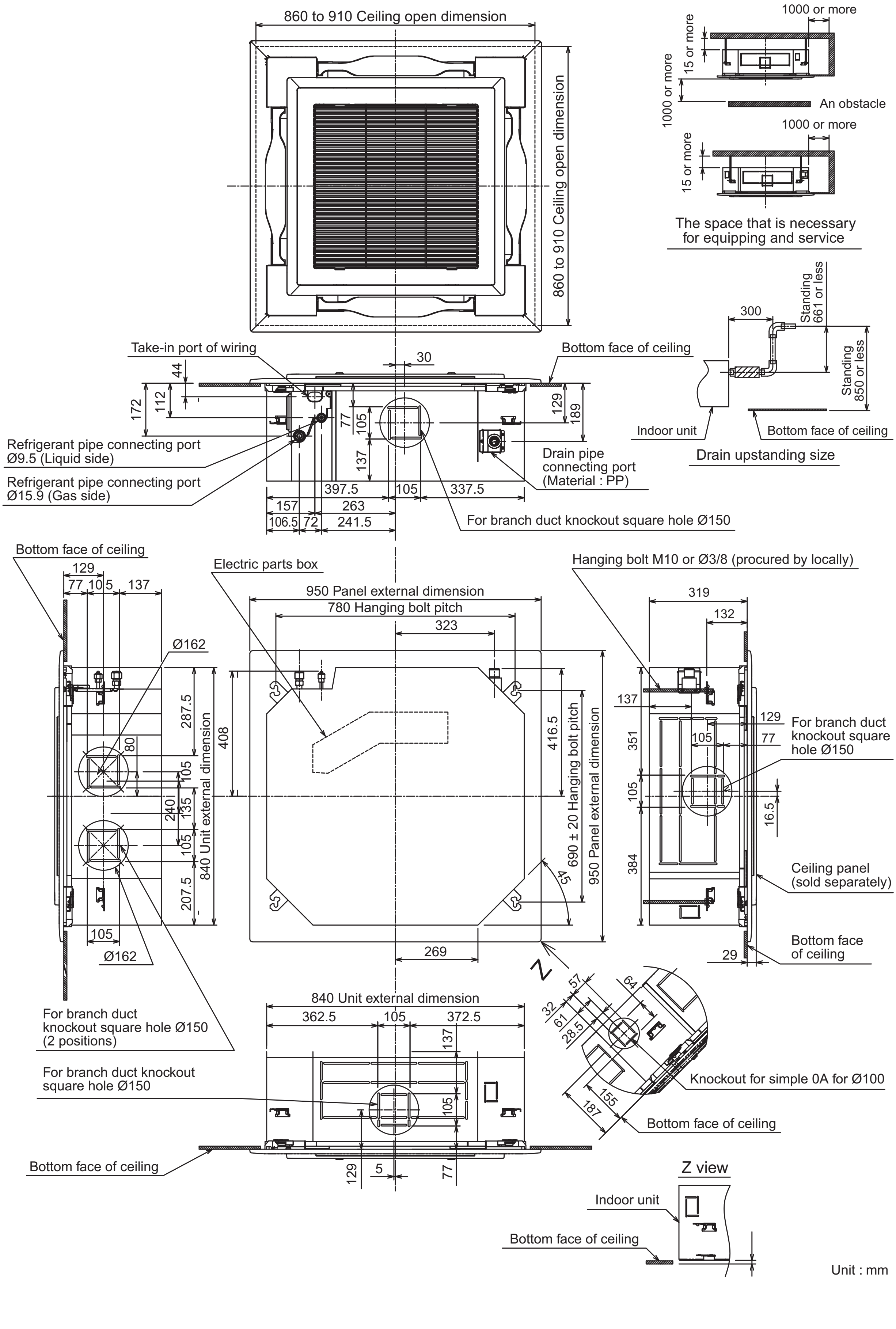
RAV-RM561UTP-E



RAV-RM801UTP-E

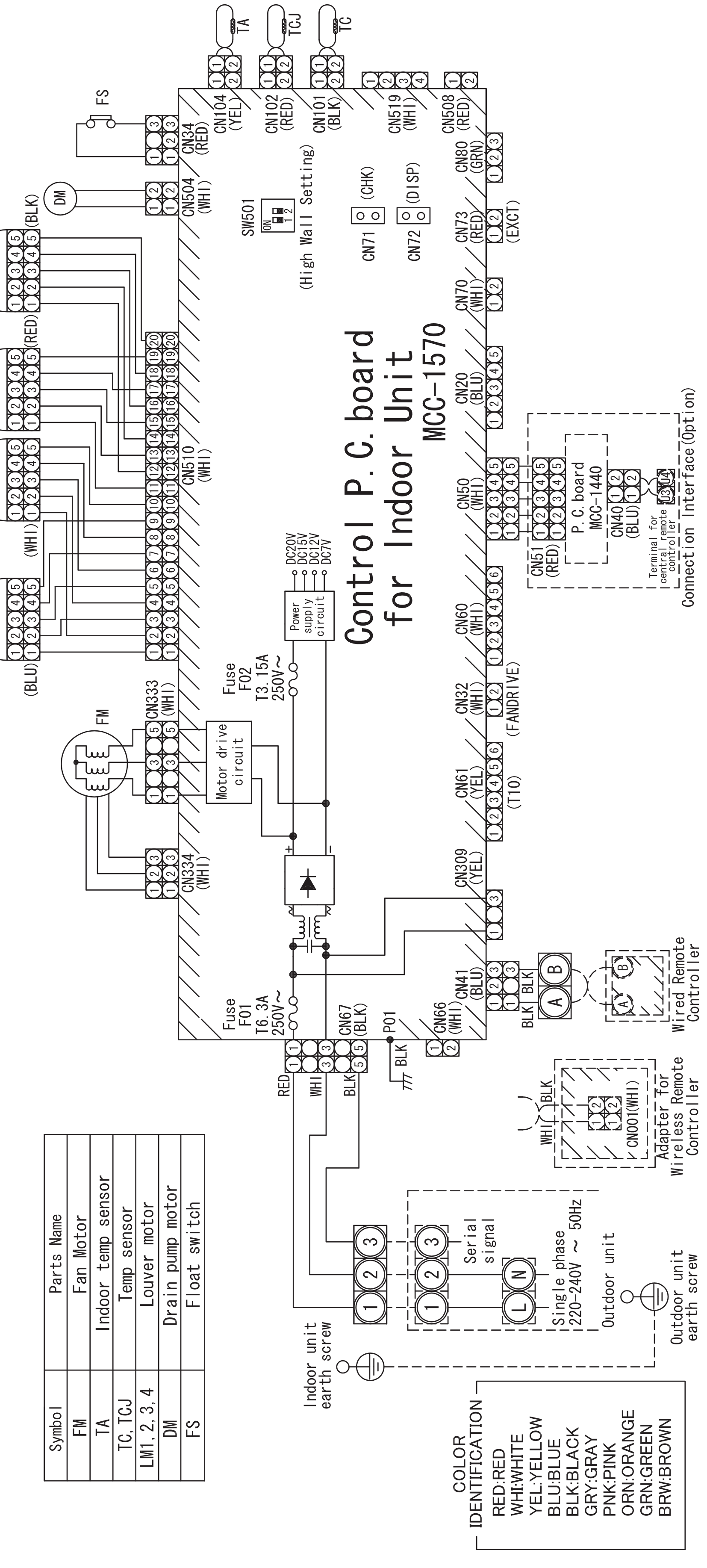


RAV-RM1101UTP-E, RAV-RM1401UTP-E



2-1-2. Wiring diagrams

RAV-RM561UTP-E, RAV-RM801UTP-E, RAV-RM1101UTP-E, RAV-RM1401UTP-E

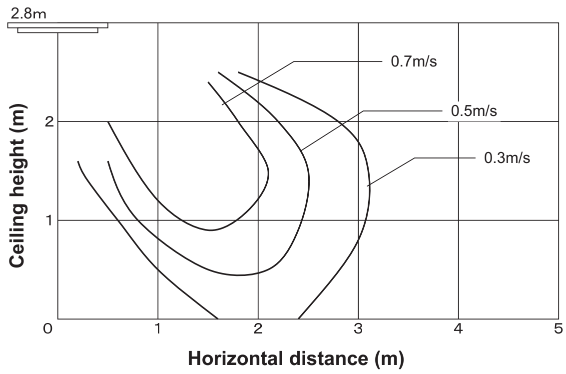


Symbol	Parts Name
FM	Fan Motor
TA	Indoor temp sensor
TC, TCJ	Temp sensor
LM1, 2, 3, 4	Louver motor
DM	Drain pump motor
FS	Float switch

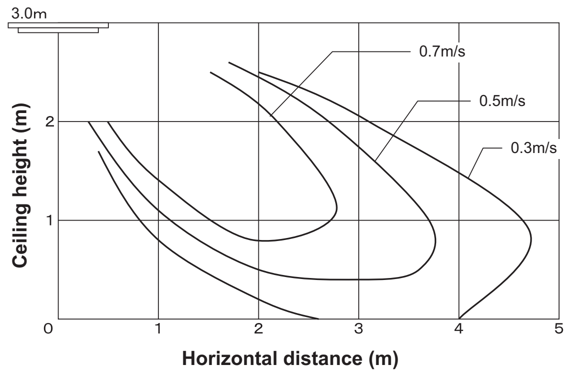
COLOR IDENTIFICATION
RED:RED
WHI:WHITE
YEL:YELLOW
BLU:BLUE
BLK:BLACK
GRY:GRAY
PNK:PINK
ORN:ORANGE
GRN:GREEN
BRW:BROWN

2-1-3. Air throw distance chart

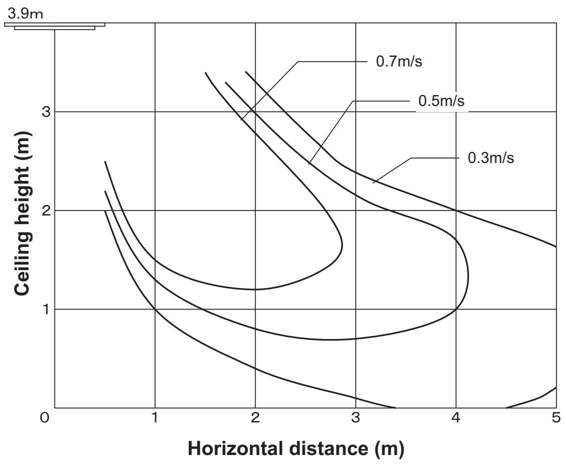
RAV-RM561UTP-E



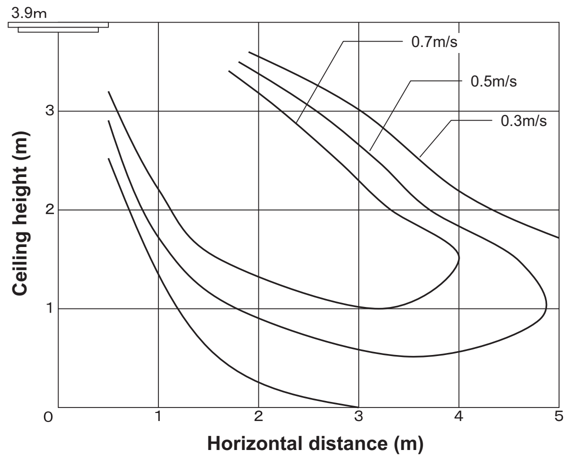
RAV-RM801UTP-E



RAV-RM1101UTP-E

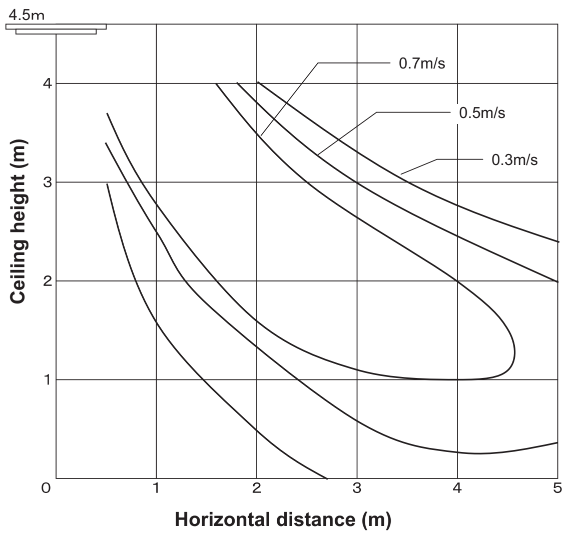


RAV-RM1401UTP-E



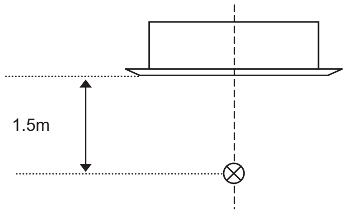
RAV-RM1101UTP-E, RAV-RM1401UTP-E

(High ceiling)



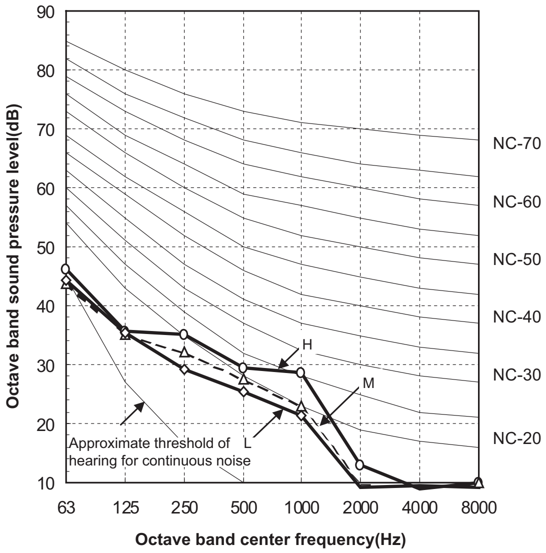
2-1-4. Sound data

NC curve



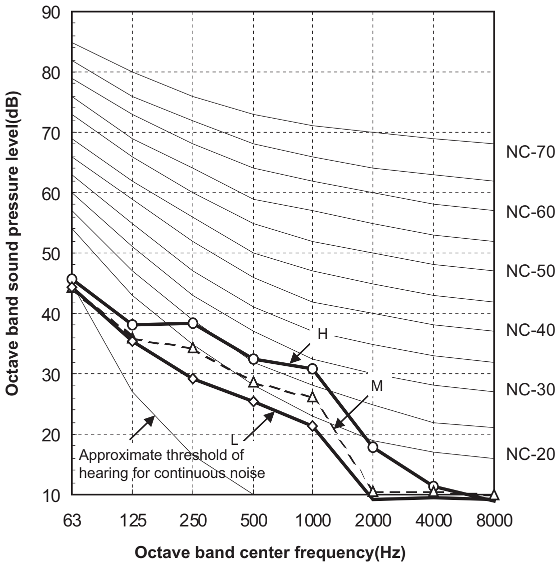
RAV-RM561UTP-E

Fan tap	H	M	L
Sound pressure level (dB(A))	32	29	28



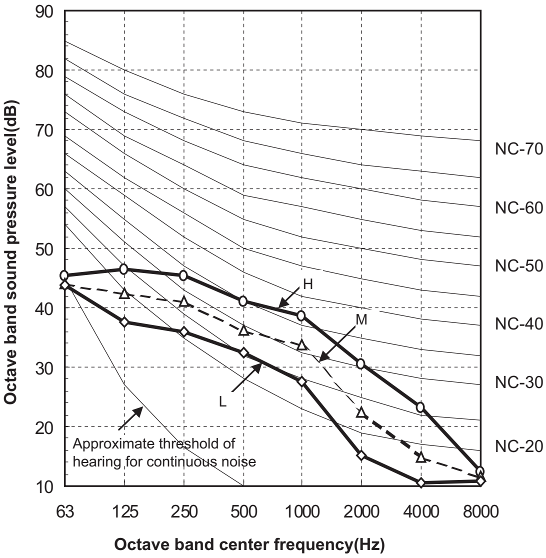
RAV-RM801UTP-E

Fan tap	H	M	L
Sound pressure level (dB(A))	35	31	28



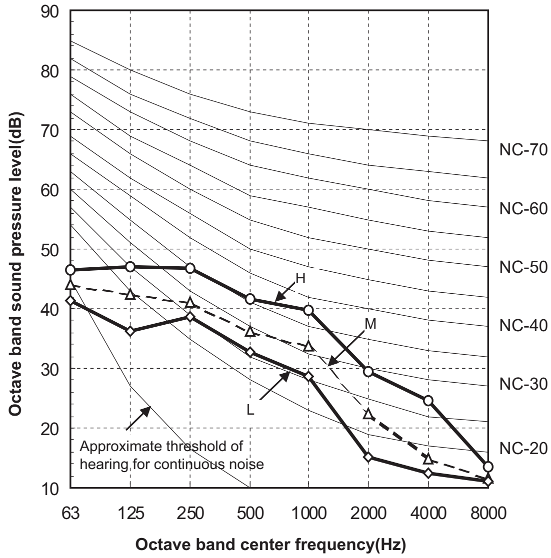
RAV-RM1101UTP-E

Fan tap	H	M	L
Sound pressure level (dB(A))	43	38	33

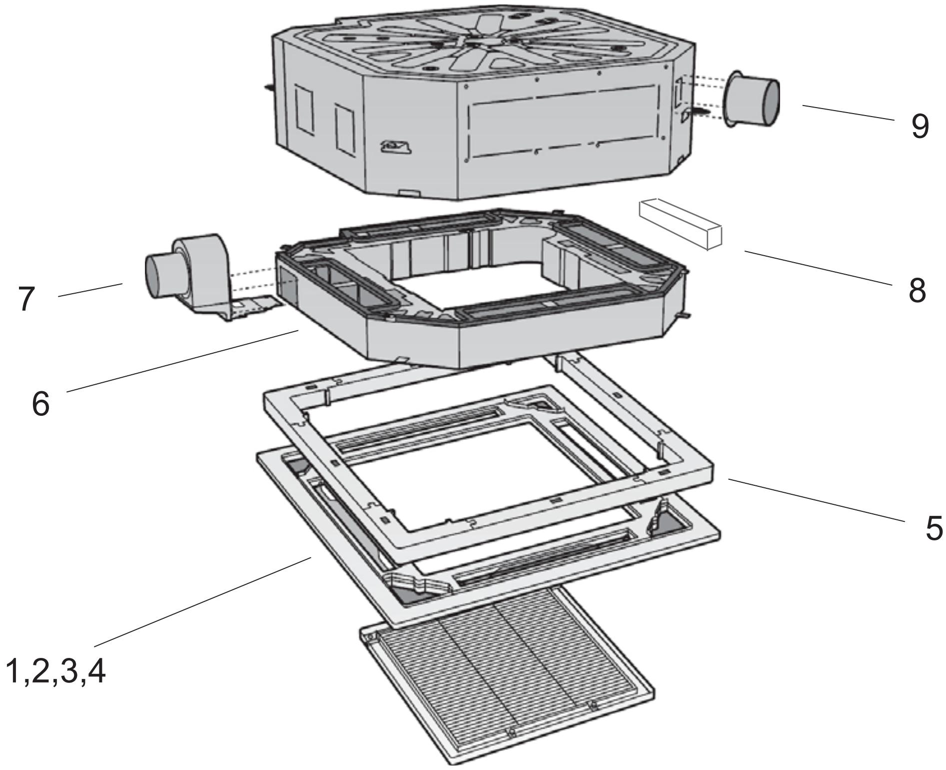


RAV-RM1401UTP-E

Fan tap	H	M	L
Sound pressure level (dB(A))	44	38	34



2-1-5. Option parts

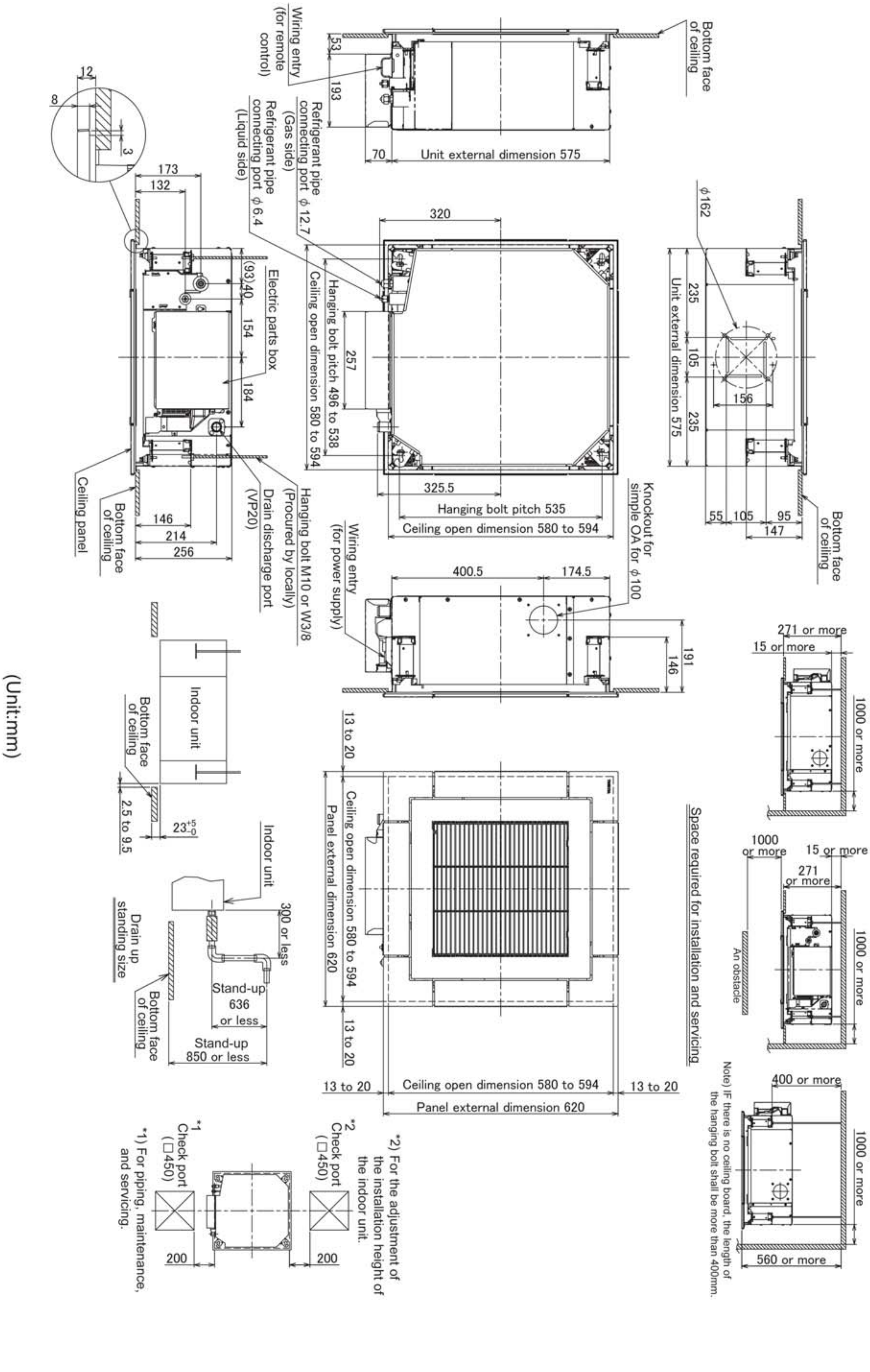


No	Type	Model name	Qty/unit	Note
1	Ceiling Panel (wide-flow louver)	RBC-U31PG(W)-E	1	White (2.5GY9.0/0.5)
2	Ceiling Panel (wide-flow louver)	RBC-U31PG(WS)-E	1	White (2.5GY9.0/0.5, 8B3/0.3)
3	Ceiling Panel (Straight louver)	RBC-U31PGS(W)-E	1	White (2.5GY9.0/0.5)
4	Ceiling Panel (Straight louver)	RBC-U31PGS(WS)-E	1	White/Grey (2.5GY9.0/0.5, 8B3/0.3)
5	Spacer for height adjustment	TCB-SP1602UE	1	50mm
6	Fresh-air chamber	TCB-GFC1602UE	1	use with TCB-GB1602U
7	Fresh-air intake box	TCB-GB1602UE	1	connection=Dia.100mm Fresh air intake ratio : Up to 110m^3/h by 1 chamber
8	Air-discharge direction kit	TCB-BC1602UE	1	6-direction patterns
9	Auxiliary fresh air flange	TCB-FF101URE2	1	connection=Dia.100mm Fresh air intake ratio : Up to 30m^3/h

2-2. Compact 4-way Cassette Type

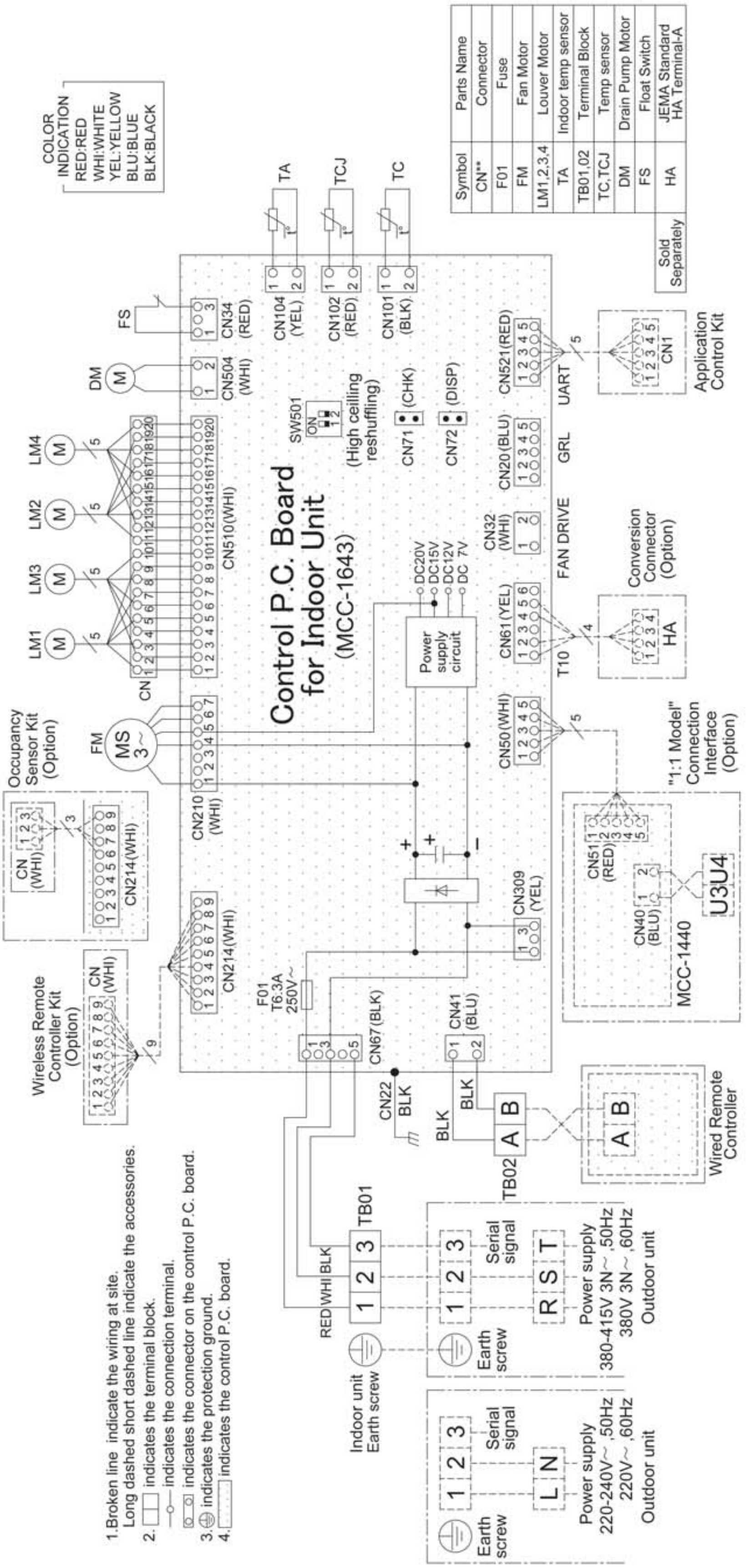
2-2-1. Dimension

RAV-RM561MUT-E



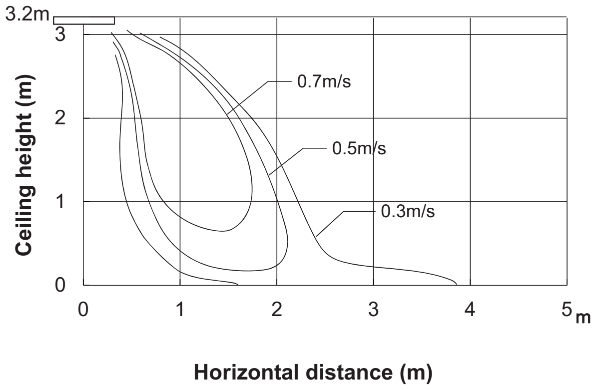
2-2-2. Wiring diagrams

RAV-RM561MUT-E

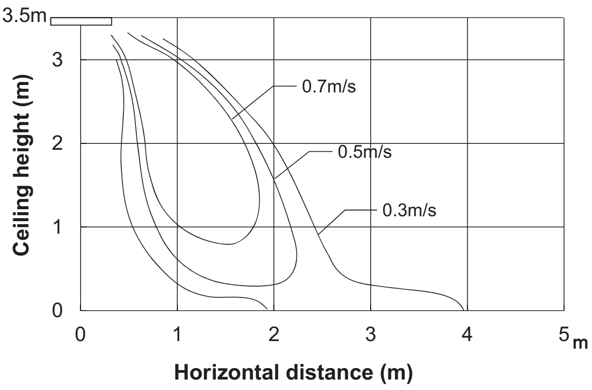


2-2-3. Air throw distance chart

RAV-RM561MUT-E



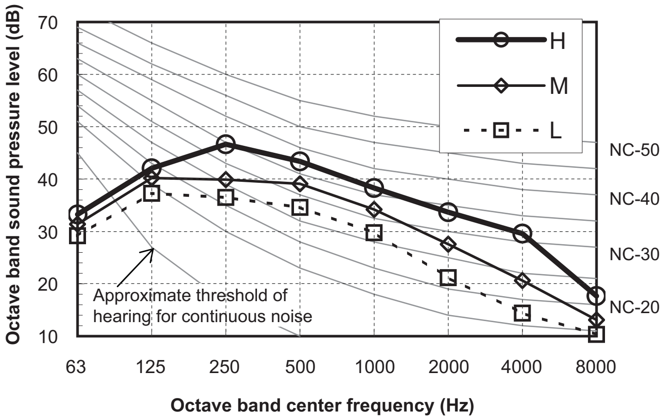
RAV-RM561MUT-E
(High ceiling)



2-2-4. Sound data (NC curve)

RAV-RM561MUT-E

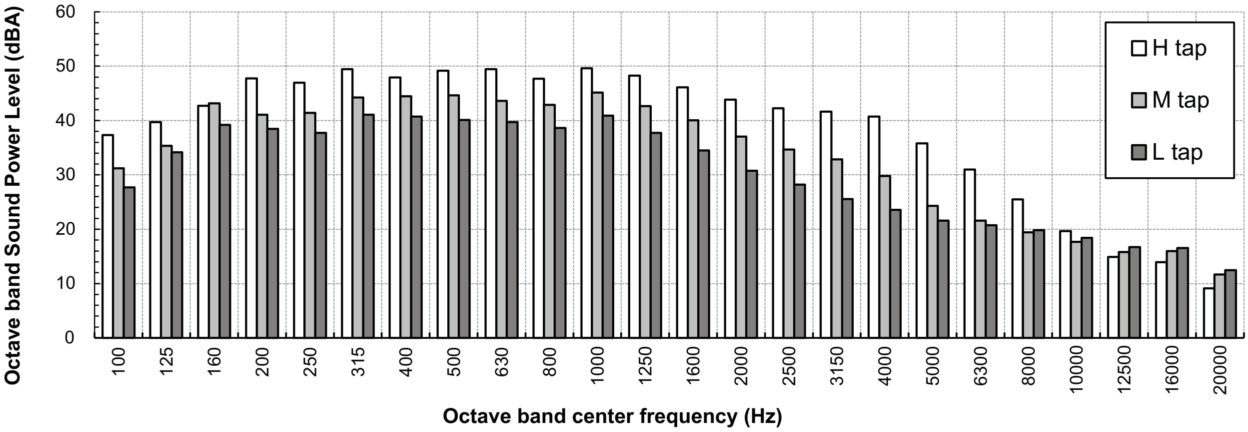
Fan tap	H	M	L
Sound pressure level (dB(A))	44	39	35



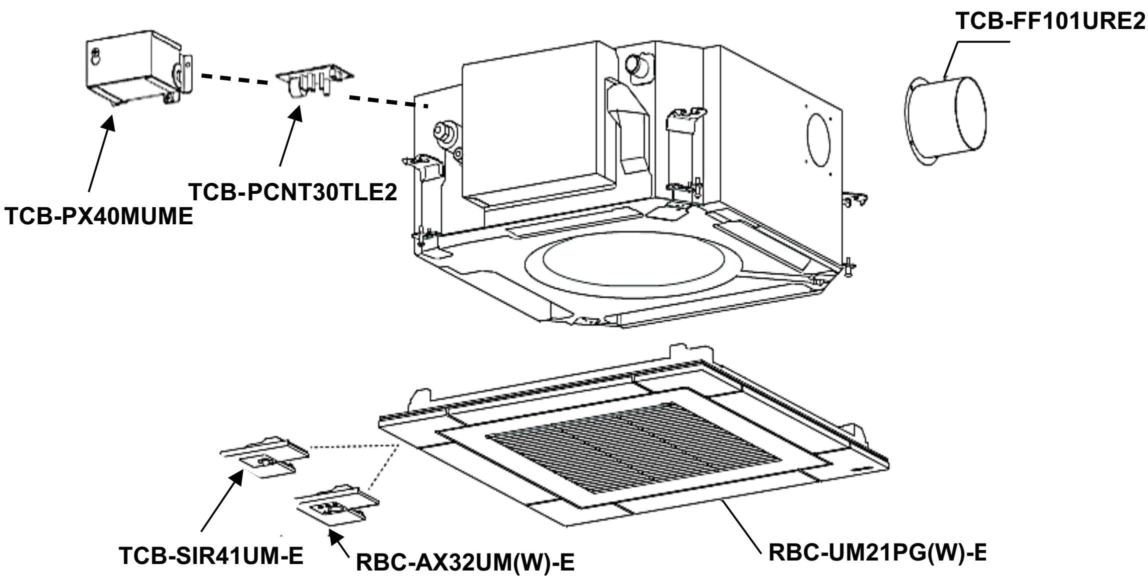
Sound data(Sound power spectrum)

RAV-RM561MUT-E

FAN tap	H	M	L
Sound power level (dB(A))	59	54	50



2-2-5. Option parts



Parts Name	Model Name	Applied Model	Notes
Ceiling panel	RBC-UM21PG(W)-E	RAV-RM_1MUT-E	Required accessory
Auxiliary fresh air Flange	TCB-FF101URE2		For easy fresh air intake by using the knockout hole of indoor unit. (dia=100mm)
Wireless Remote Control kit	RBC-AX32UM(W)-E		Wireless remote control kit and Occupancy sensor cannot be used on the same indoor unit.
Occupancy Sensor	TCB-SIR41UM-E		
Application Control kit	TCB-PCUC2E		For external Input / Output connecting.
TCC-Link Adaptor (“1:1 model”connection interface)	TCB-PCNT30TLE2		Central control with“1:1model” Use with Remote control kit.
Connection Interface kit	TCB-PX40MUME		This Connection Interface kit is a box that is used only for the purpose of installing the TCB-PCNT30TLE2 (“1:1 model”connection interface) on the Air Conditioner unit for RAV-RM561MUT-E model.

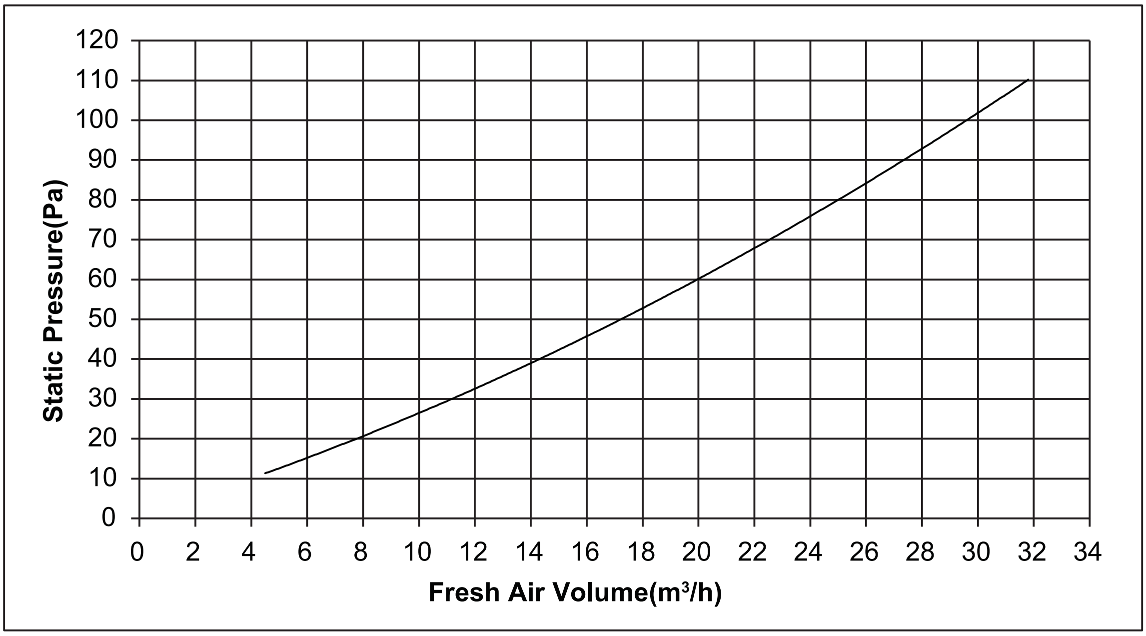
Fresh air intake (Design guide)

Caution

1. Be sure to provide air return.
2. The fresh air shall be treated by heat reclaim ventilator or the like.
3. Recommended treated air temperature is 12 C to 30 C.
4. Be sure to decide the fresh air volume so that mixed suction air with fresh air keep operating temperature. Provide an air filter in fresh air way to prevent sucking dust.
5. Be sure to insulate the fresh air duct. In order to accelate starting up in heating mode, implement pre-heating operation by cutting off fresh air intake.

	Model name	Note
Auxiliary fresh air flange	TCB-FF101URE2	Up to 2% fresh air intake ratio is available by using the booster fan.

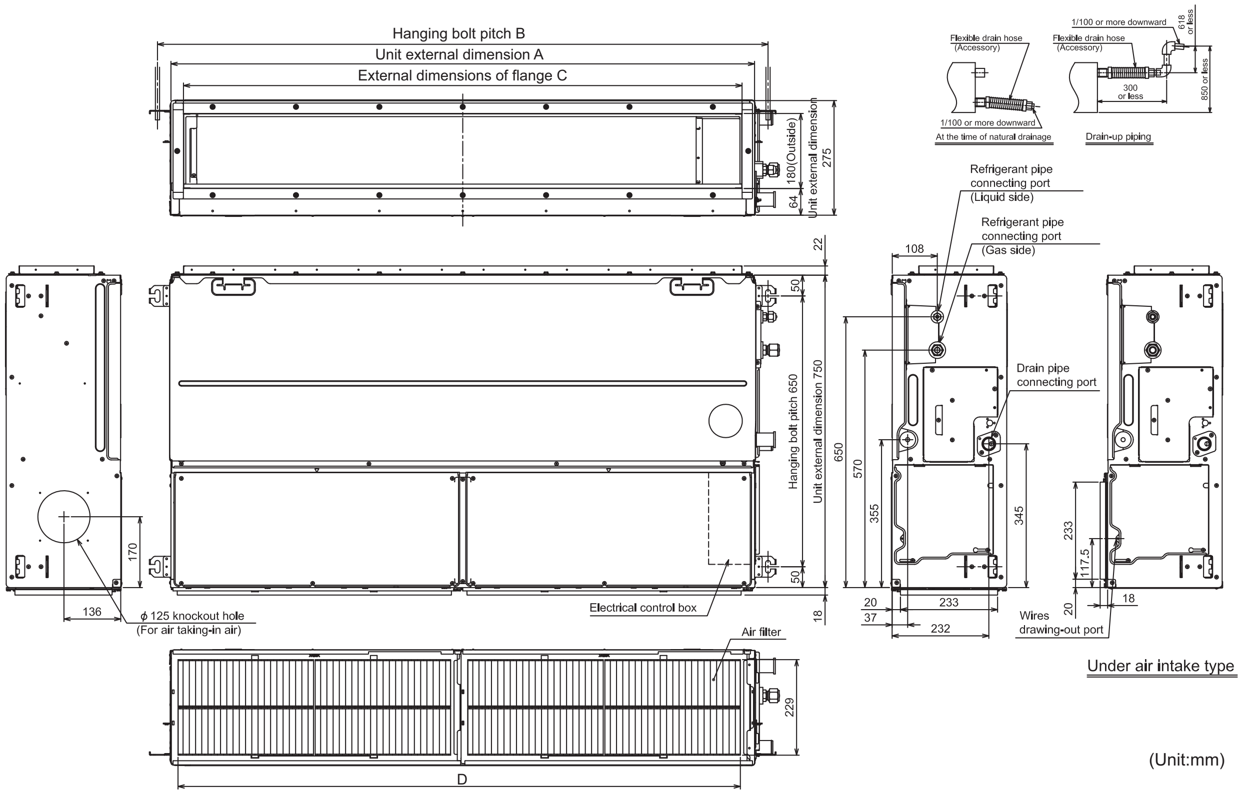
Model name	RAV-	RM561MUT-E
Standard air flow	m^3/h	798



2-3. Ducted Type

2-3-1. Dimension

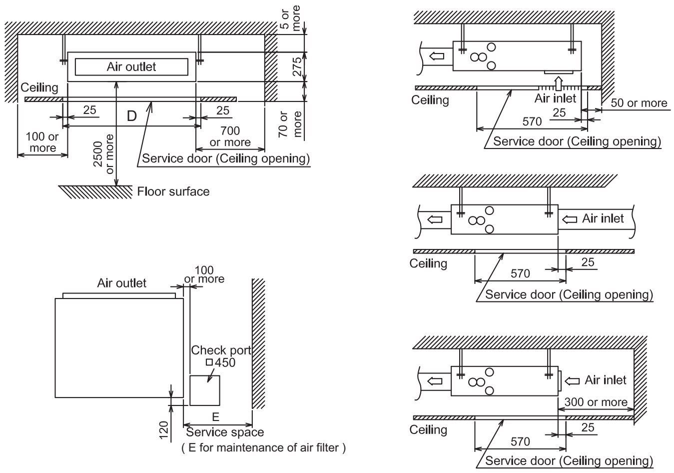
RAV-RM561BTP-E, RAV-RM801BTP-E, RAV-RM1101BTP-E, RAV-RM1401BTP-E



Dimension

	A	B	C	D
RAV-RM561BTP-E	700	765	640	750
RAV-RM801BTP-E	1000	1065	940	1050
RAV-RM1101BTP-E RAV-RM1401BTP-E	1400	1465	1340	1450

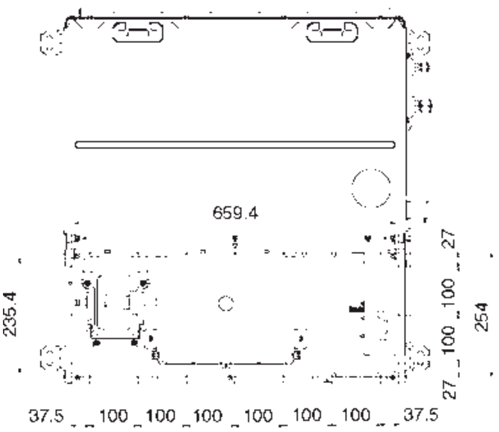
Space required for installation and servicing



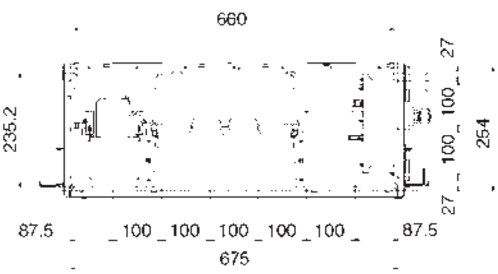
	E
RAV-RM561BTP-E	700
RAV-RM801BTP-E	500
RAV-RM1101BTP-E RAV-RM1401BTP-E	700

RAV-RM561BTP-E

<Under air intake>



<Back air intake>



RAV-RM801BTP-E

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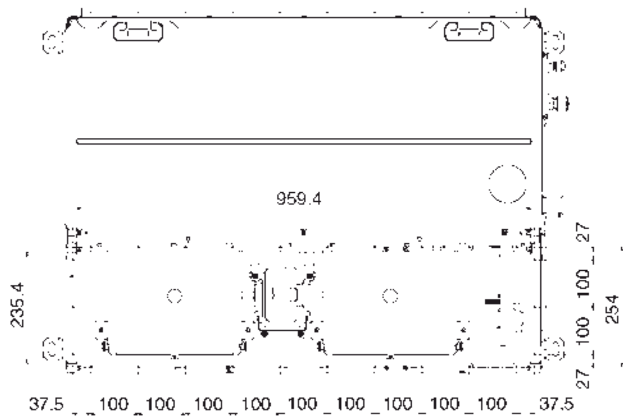

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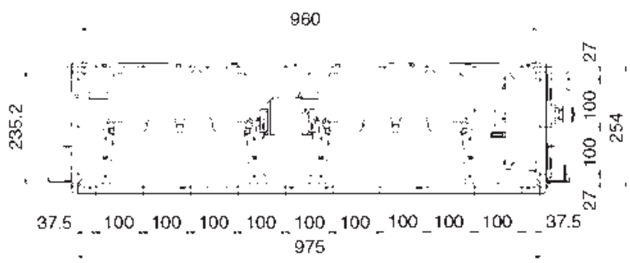
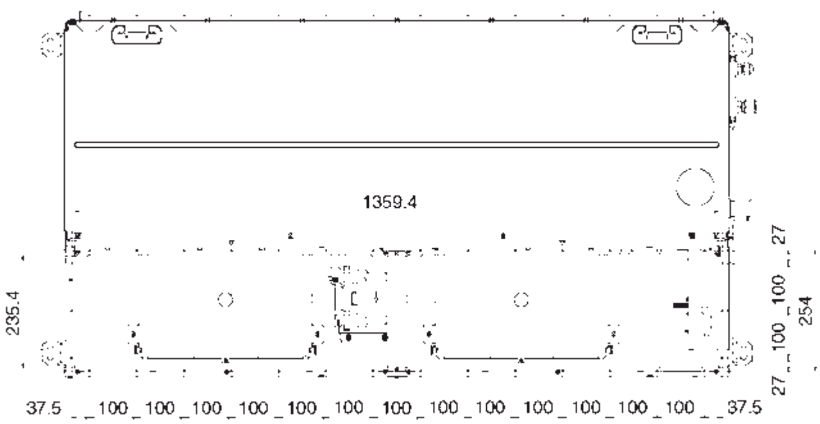


RAV-RM1101BTP-E, RAV-RM1401BTP-E

<Under air intake>



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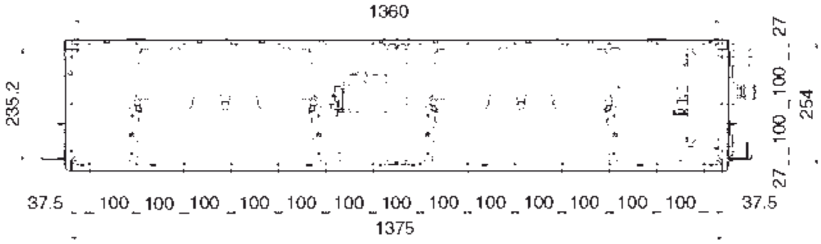
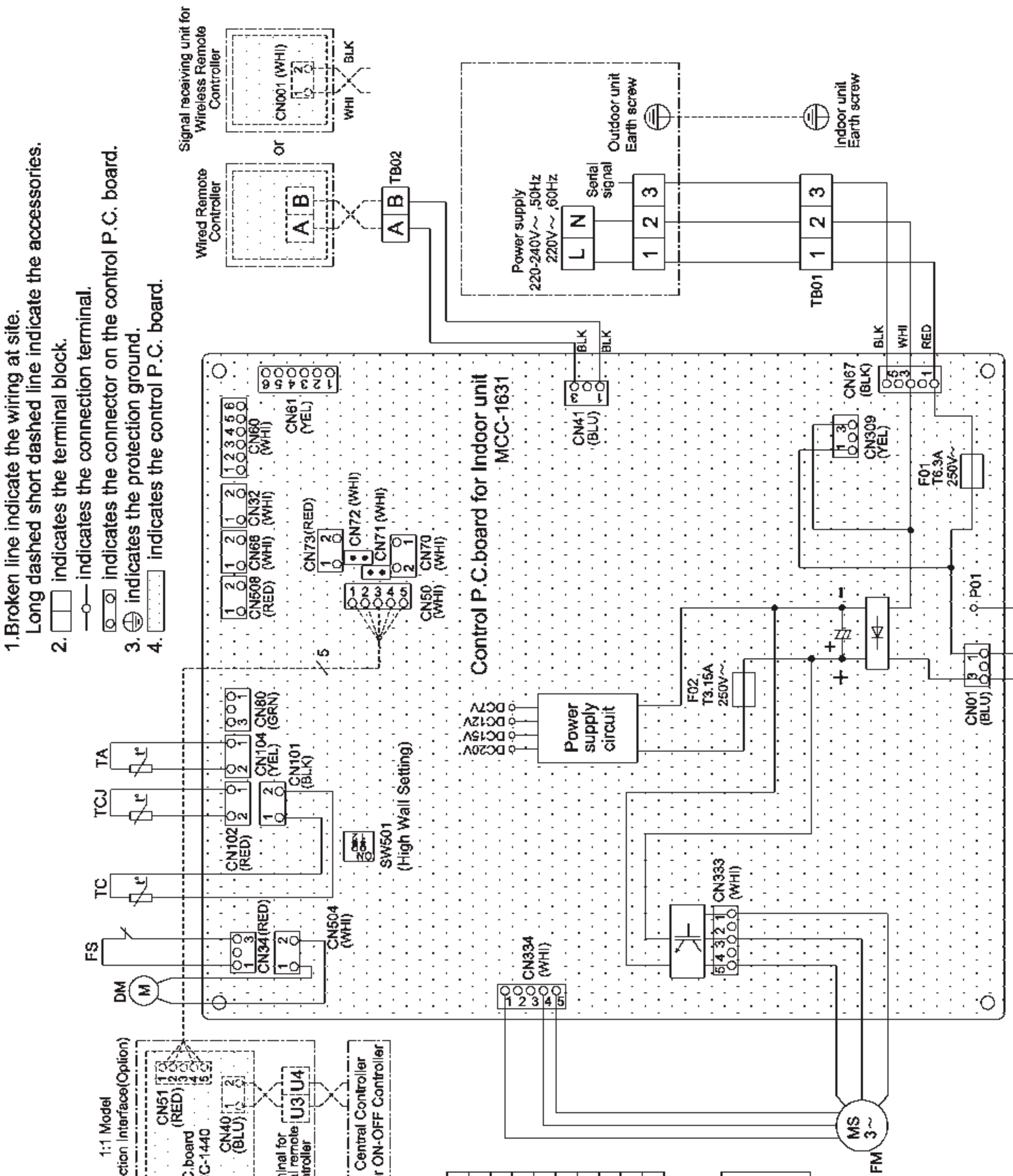


2-3-2. Wiring diagrams

RAV-RM561BTP-E, RAV-RM801BTP-E, RAV-RM1101BTP-E, RAV-RM1401BTP-E



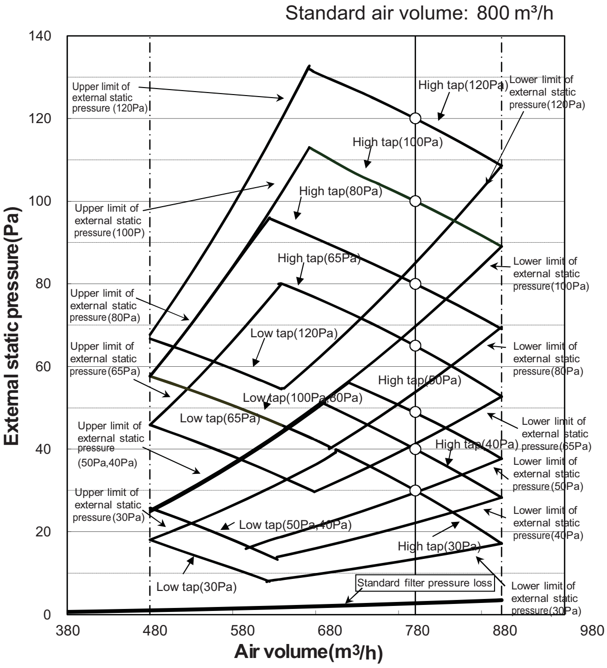
Symbol	Parts name
CN**	Connector
DM	Drain pump Motor
F01,02	Fuse
FM	Fan Motor
FS	Float Switch
L	Reactor
TA	Indoor temp.sensor
TB01,TB02	Terminal Block
TC,TCJ	Temp.sensor

Color Indication

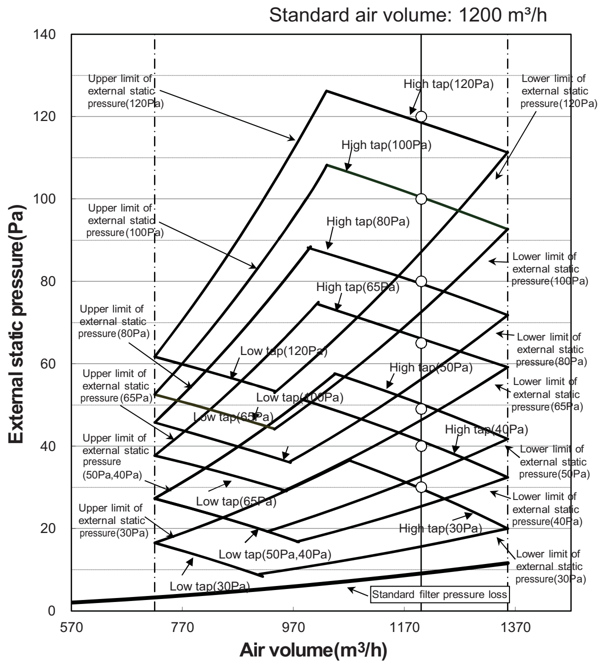
RED : RED	BLU : BLUE
WHI : WHITE	BLK : BLACK
YEL : YELLOW	GRN : GREEN

2-3-3. Fan static characteristics

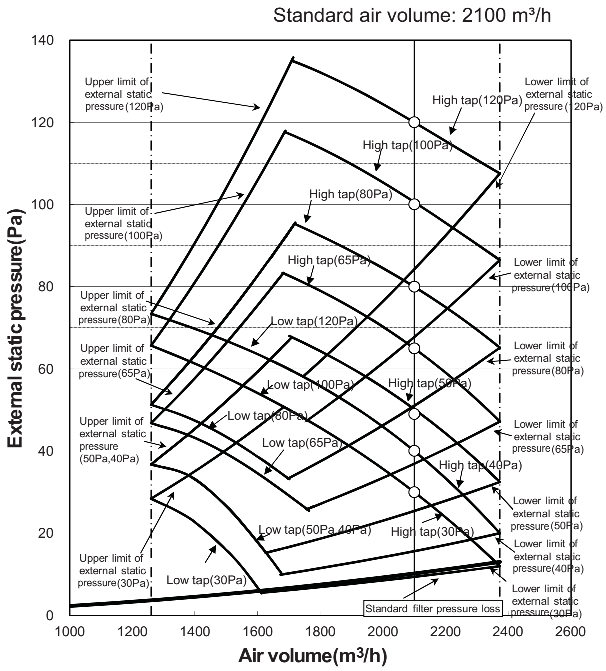
RAV-RM561BTP-E



RAV-RM801BTP-E



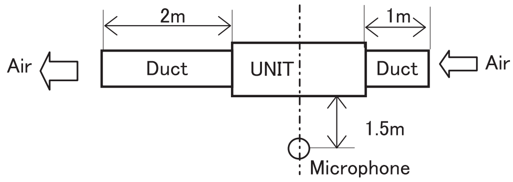
RAV-RM1101BTP-E, RAV-RM1401BTP-E



2-3-4. Sound data

NC curve

RAV-RM561BTP-E



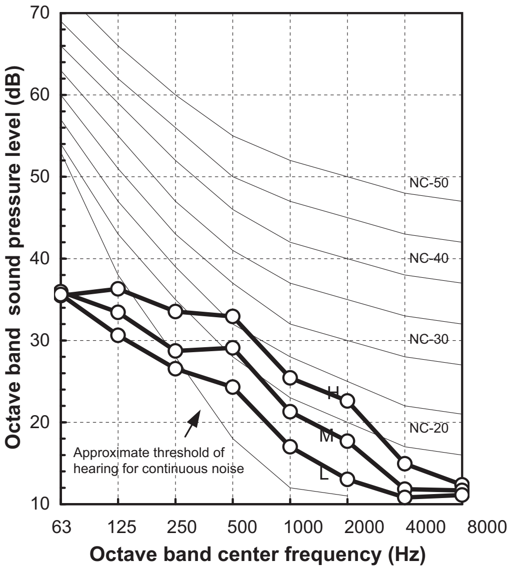
Measuring location

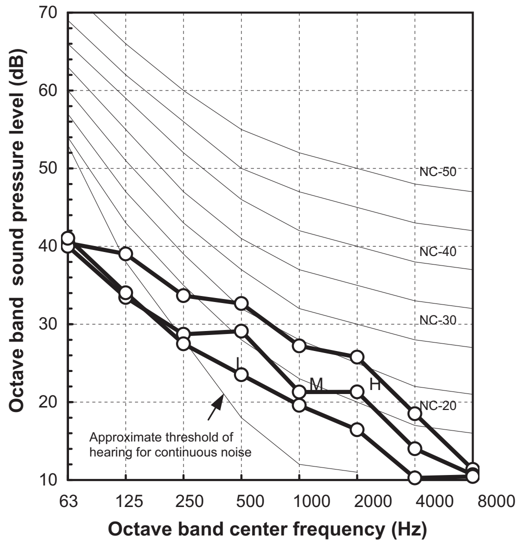
External static pressure 30Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	33	29	25

External static pressure 40Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	34	30	26



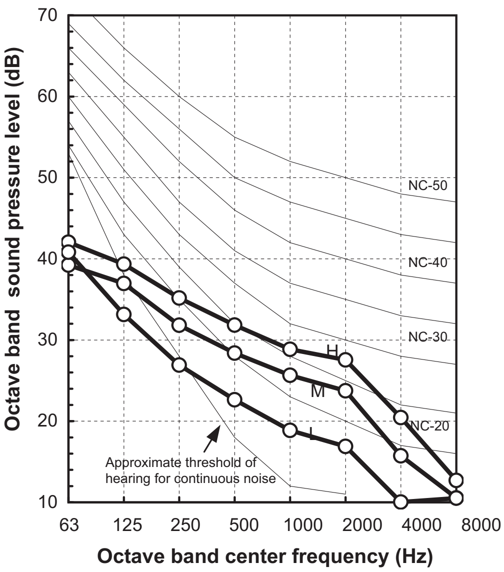


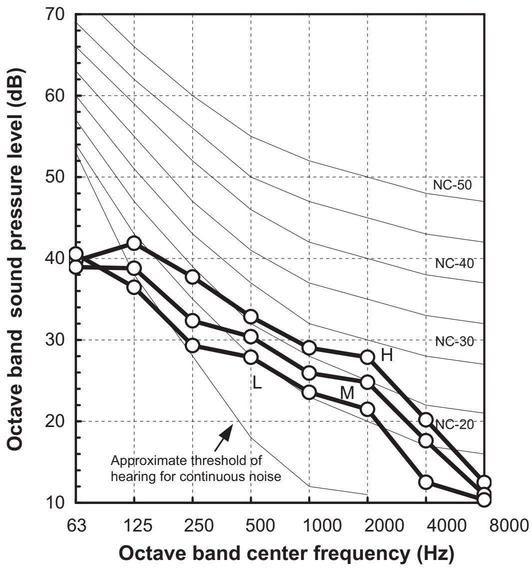
External static pressure 50Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	35	31	26

External static pressure 65Pa

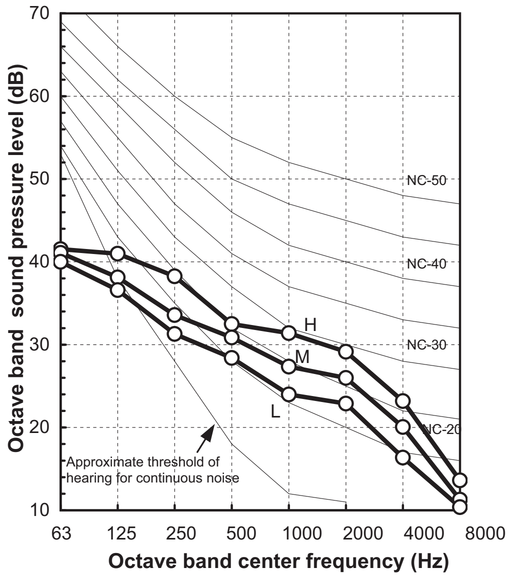
Fan tap	H	M	L
Sound pressure level (dB(A))	36	32	29





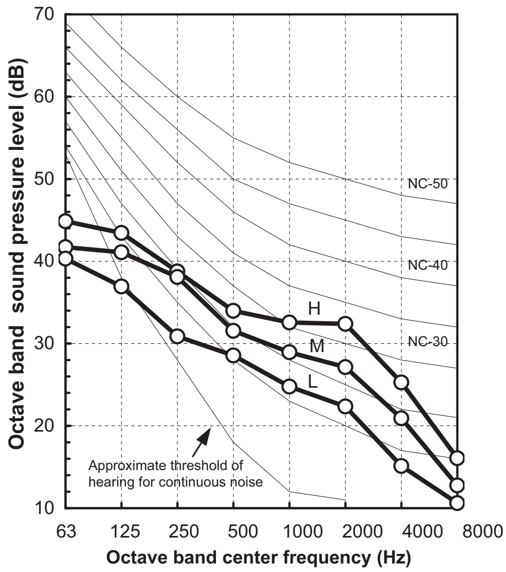
External static pressure 80Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	37	33	31



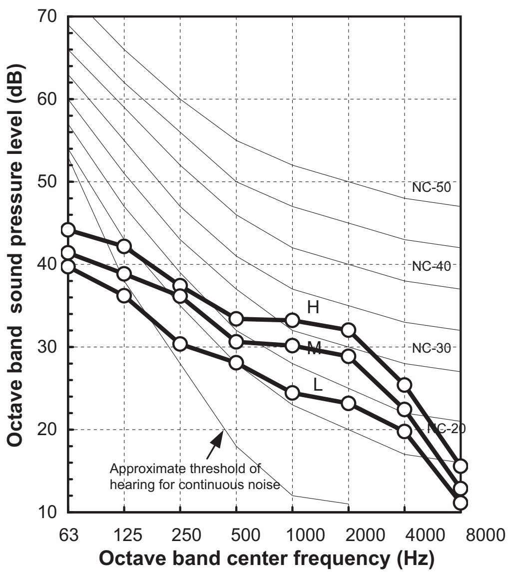
External static pressure 100Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	38	35	31



External static pressure 120Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	39	35	31



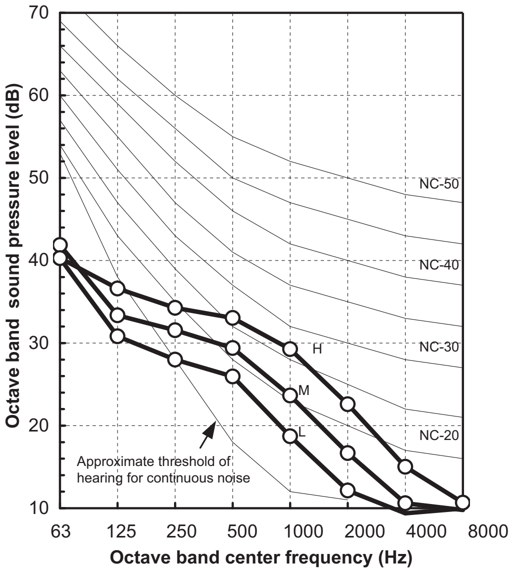
RAV-RM801BTP-E

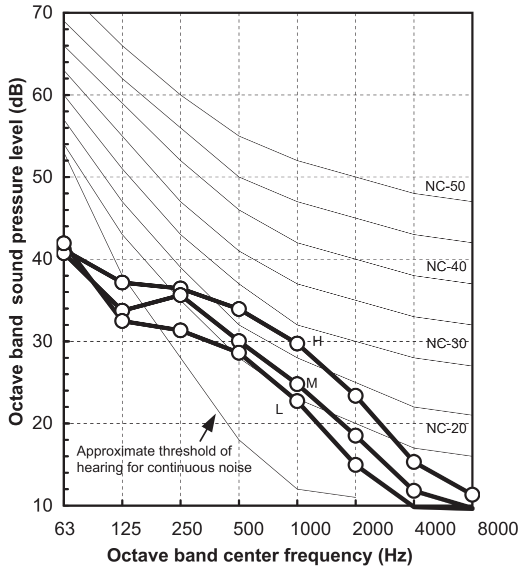
External static pressure 30Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	34	30	26

External static pressure 40Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	35	32	29



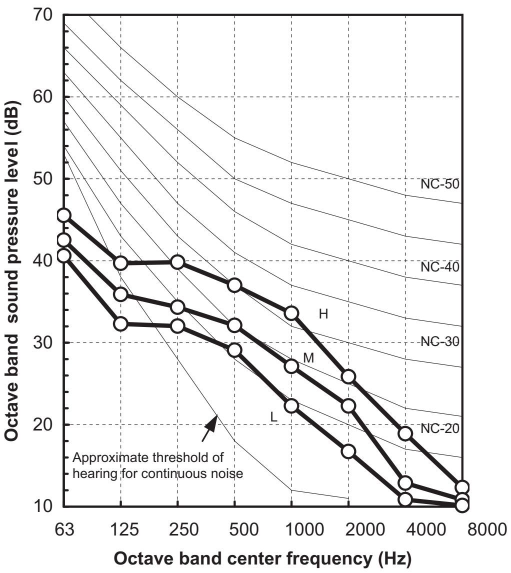


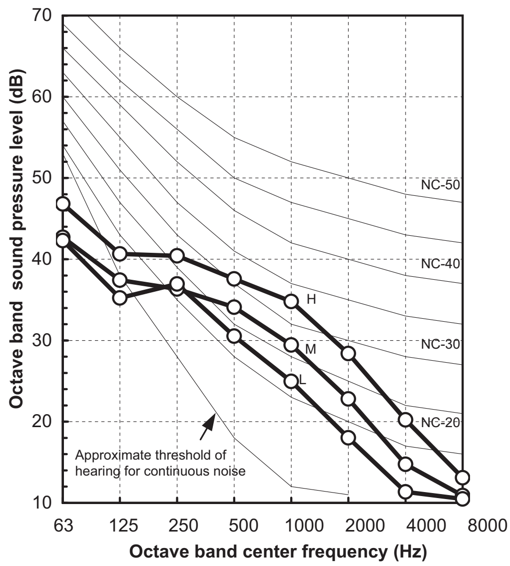
External static pressure 50Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	38	33	29

External static pressure 65Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	39	35	32



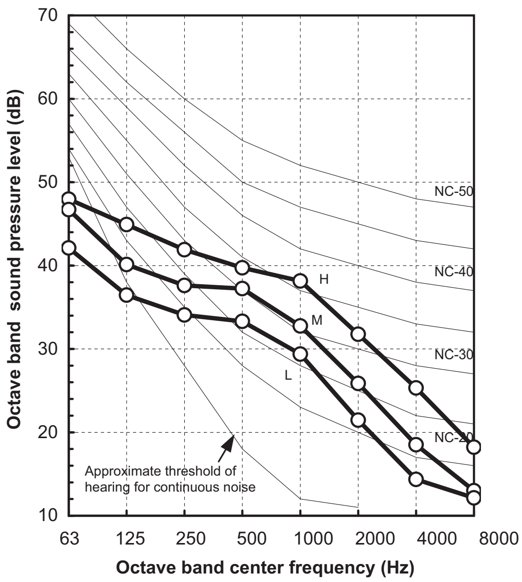


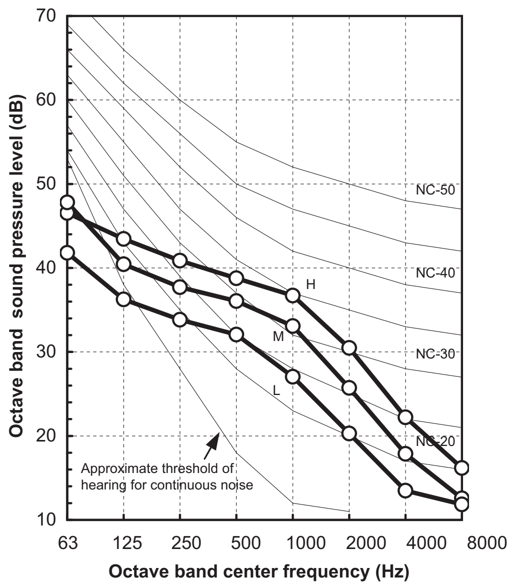
External static pressure 80Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	42	38	34

External static pressure 100Pa

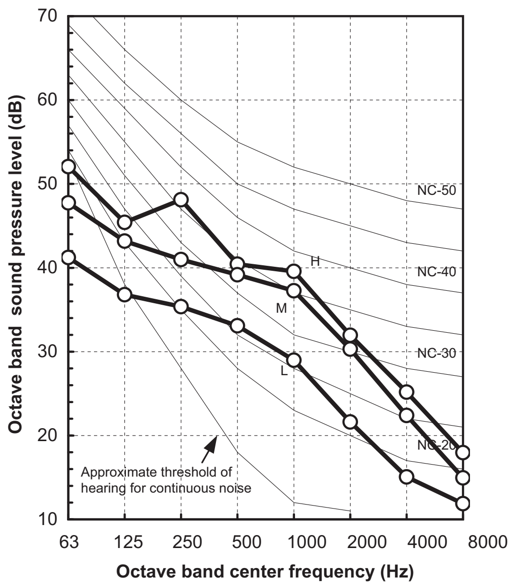
Fan tap	H	M	L
Sound pressure level (dB(A))	42	39	33





External static pressure 120Pa

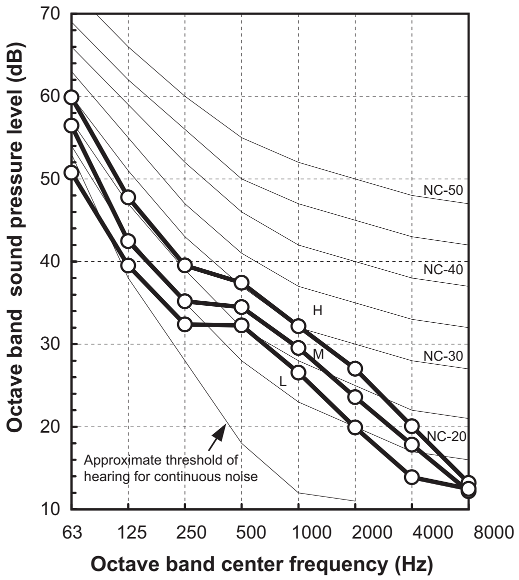
Fan tap	H	M	L
Sound pressure level (dB(A))	44	41	34



RAV-RM1101BTP-E, RAV-RM1401BTP-E

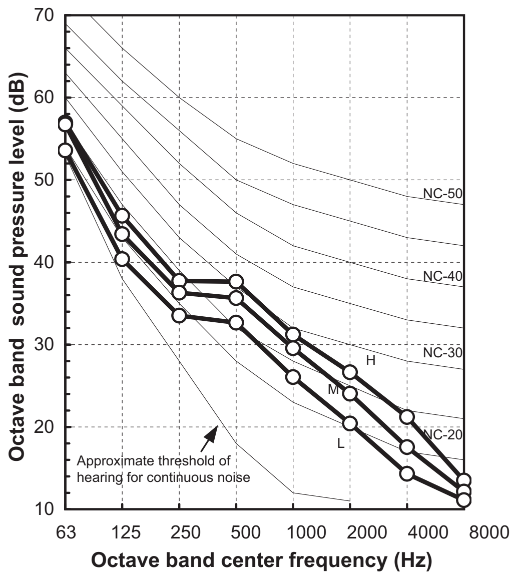
External static pressure 30Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	39	36	33



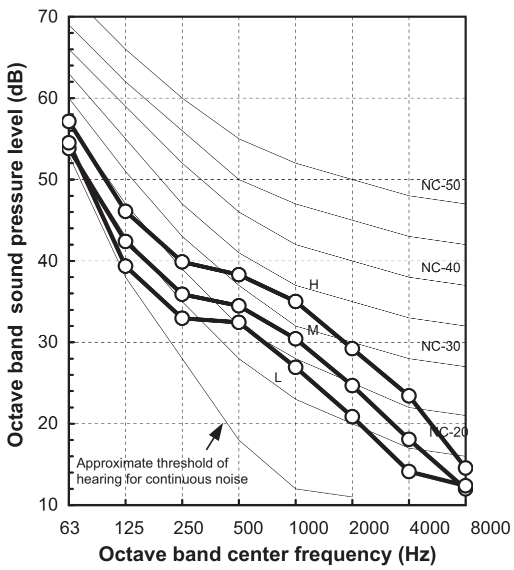
External static pressure 40Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	39	36	33



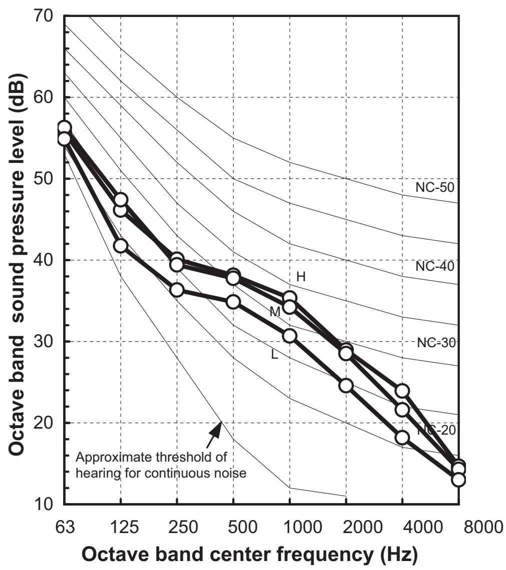
External static pressure 50Pa

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



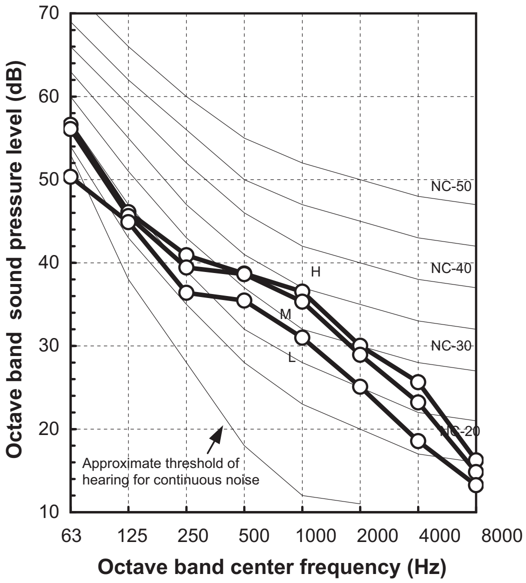
External static pressure 65Pa

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



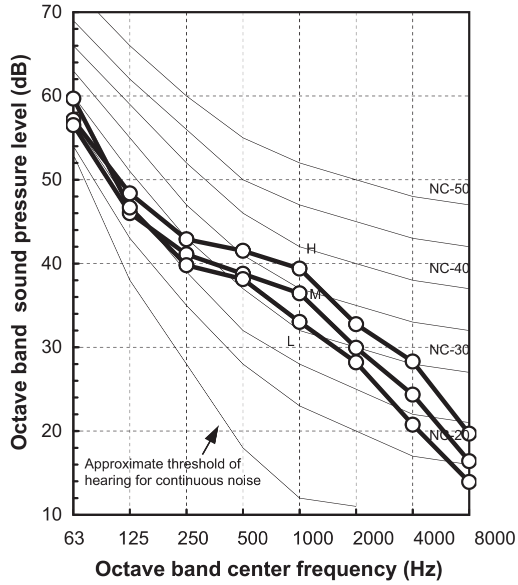
External static pressure 80Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	41	40	36



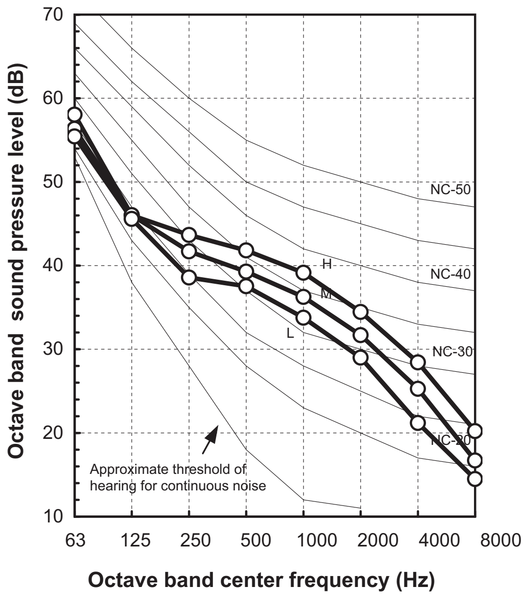
External static pressure 100Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	43	41	39



External static pressure 120Pa

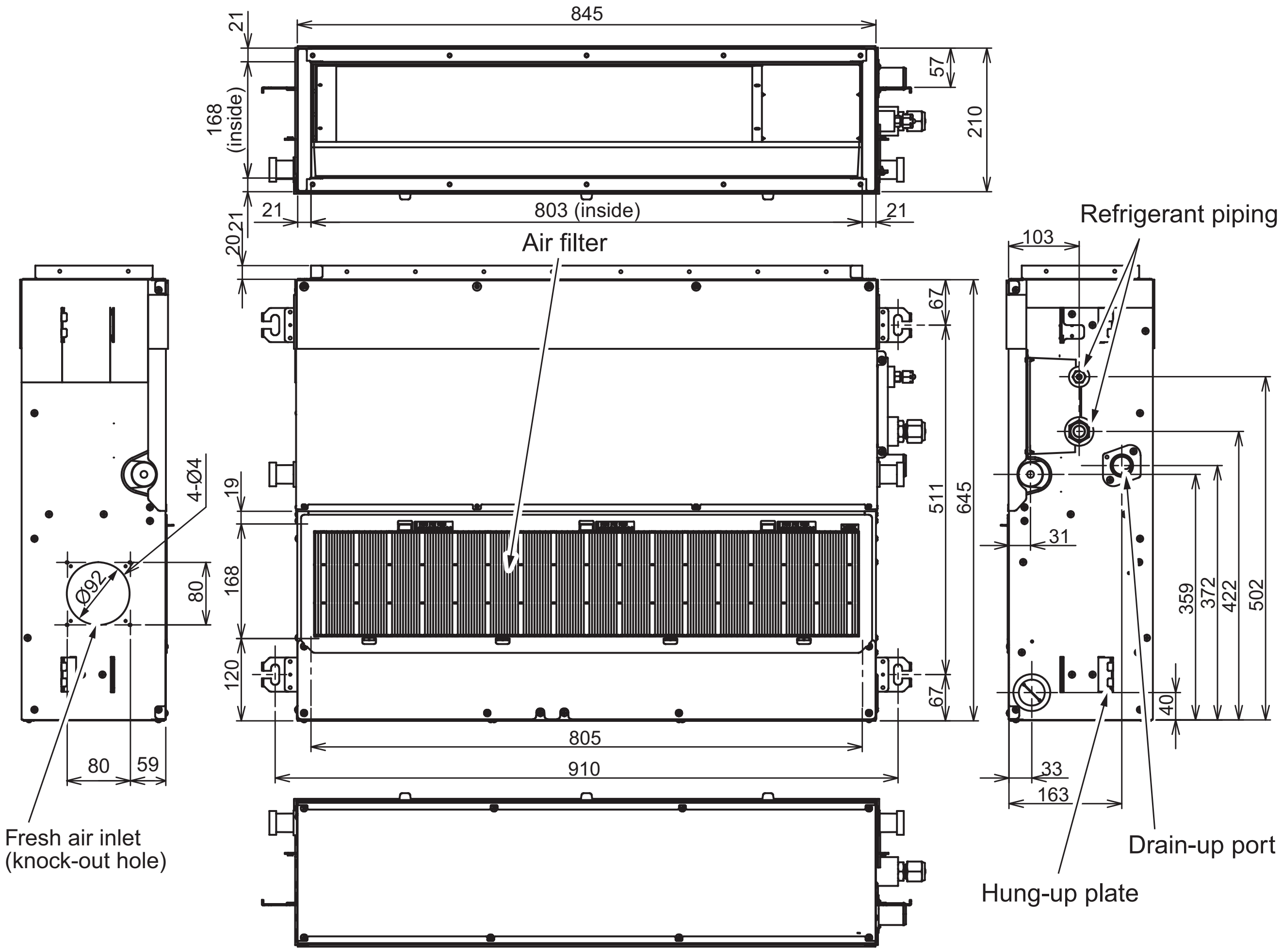
Fan tap	H	M	L
Sound pressure level (dB(A))	44	42	39



2-4. Slim Duct Type

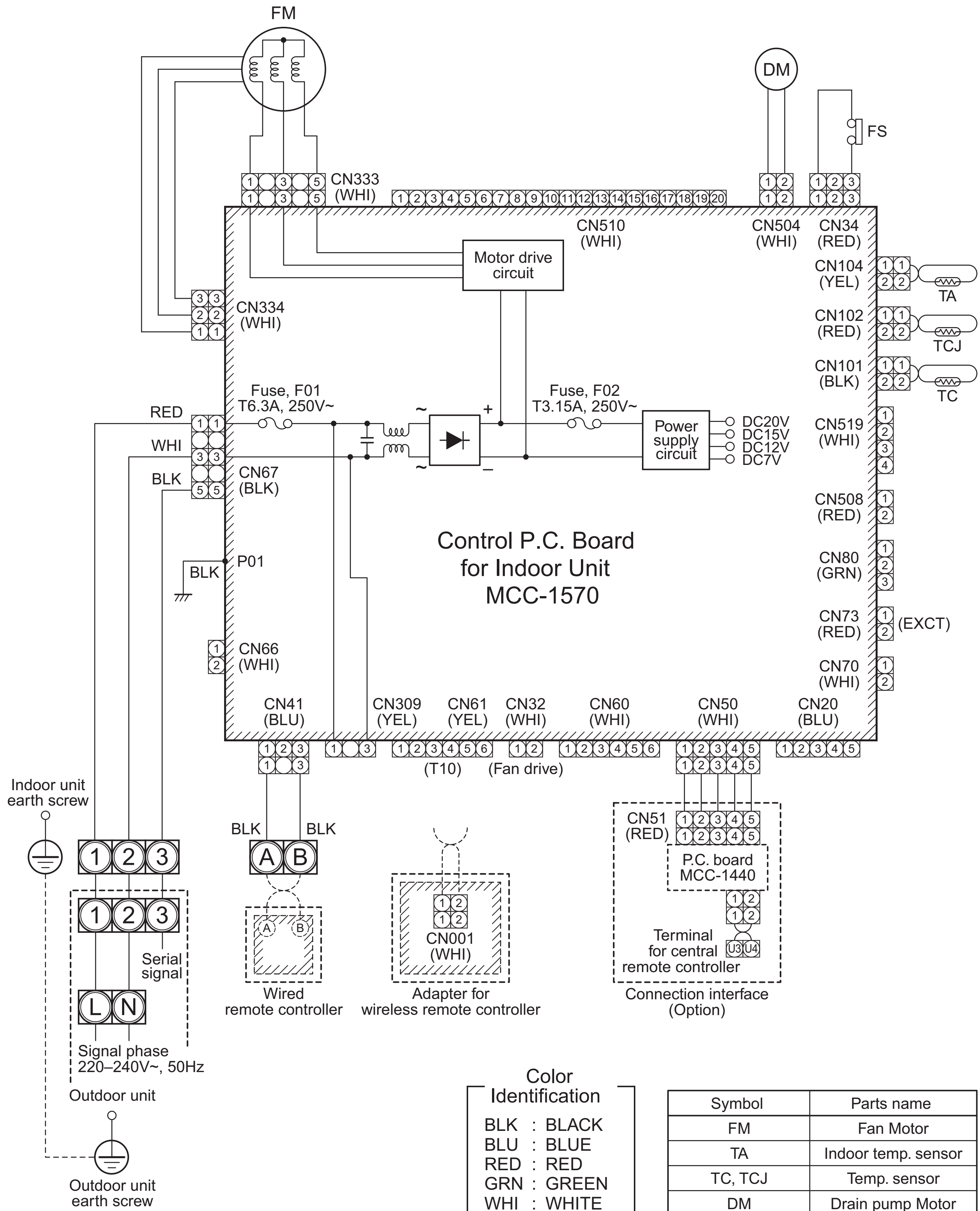
2-4-1. Dimension

RAV-RM561SDT-E



2-4-2. Wiring diagrams

RAV-RM561SDT-E



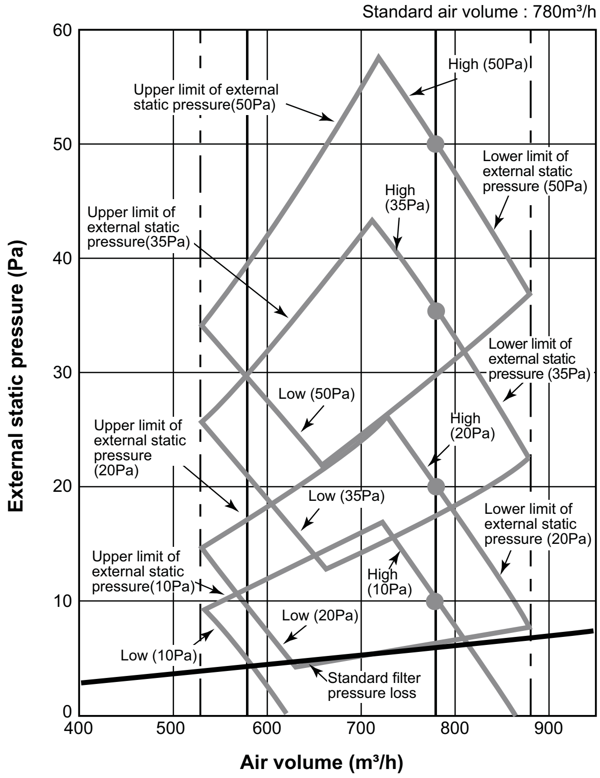
Color Identification

BLK : BLACK
BLU : BLUE
RED : RED
GRN : GREEN
WHI : WHITE
YEL : YELLOW

Symbol	Parts name
FM	Fan Motor
TA	Indoor temp. sensor
TC, TCJ	Temp. sensor
DM	Drain pump Motor
FS	Float Switch

2-4-3. Fan static characteristics

RAV-RM561SDT-E



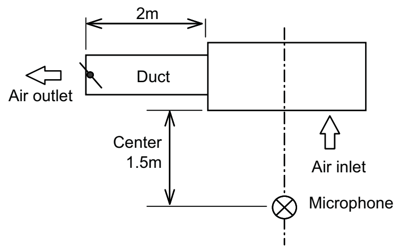
2-4-4. Sound data

NC curve

RAV-RM561SDT-E

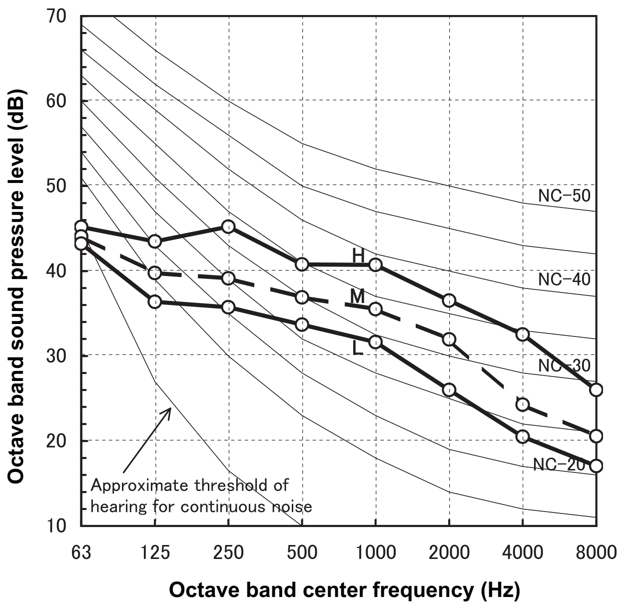
[Measuring location]

Under air intake



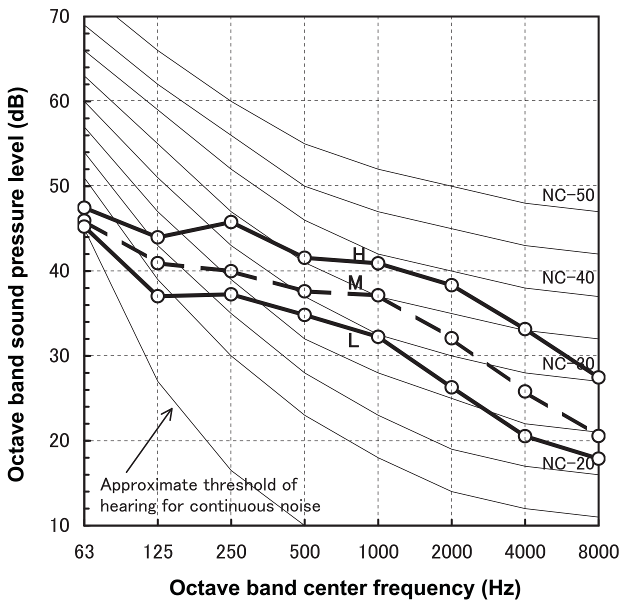
External static pressure 10Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	45	40	36



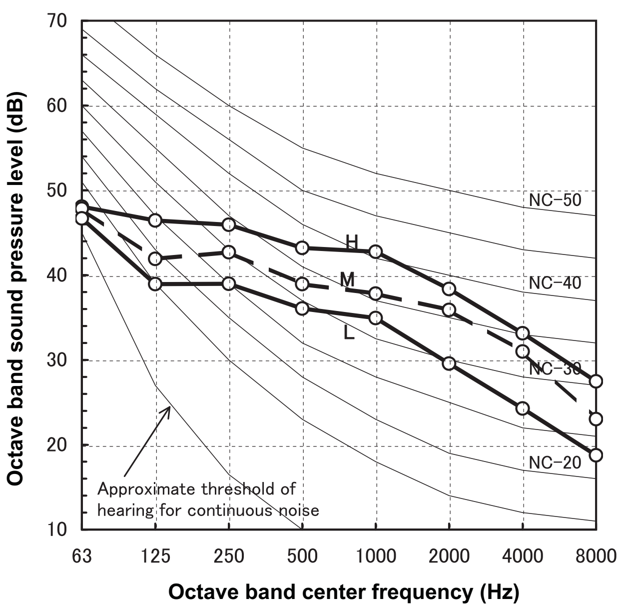
External static pressure 20Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	46	41	37



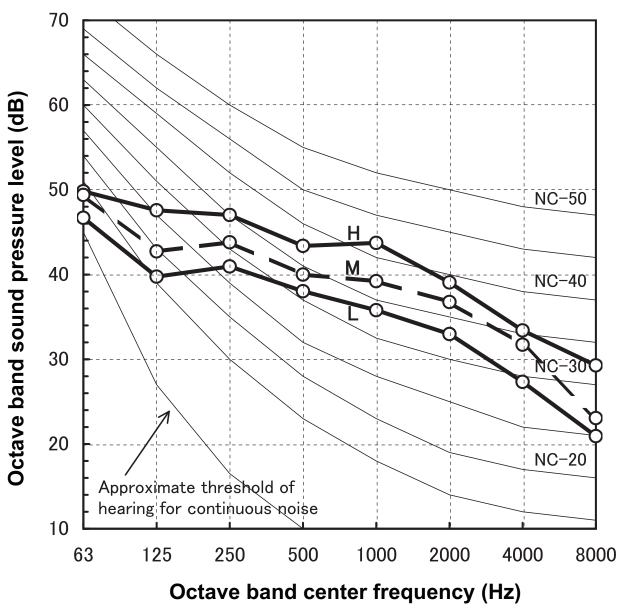
External static pressure 35Pa

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



External static pressure 50Pa

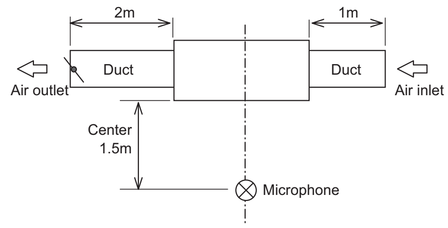
Fan tap	H	M	L
Sound pressure level (dB(A))	48	44	41



RAV-RM561SDT-E

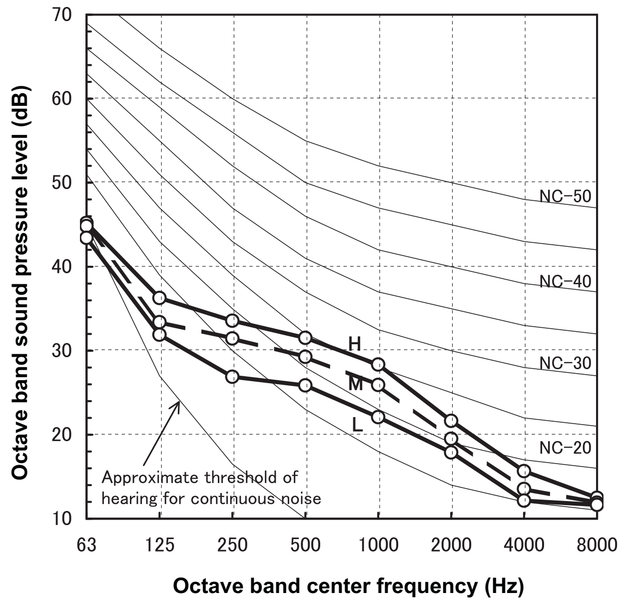
[Measuring location]

Back air intake



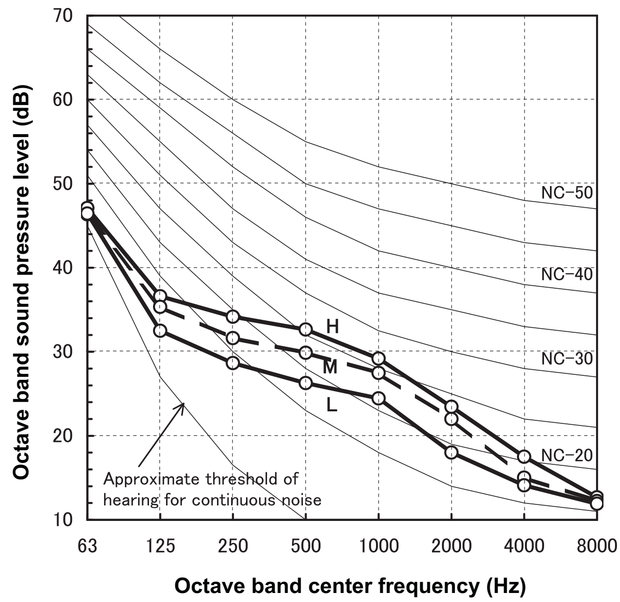
External static pressure 10Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	33	31	28



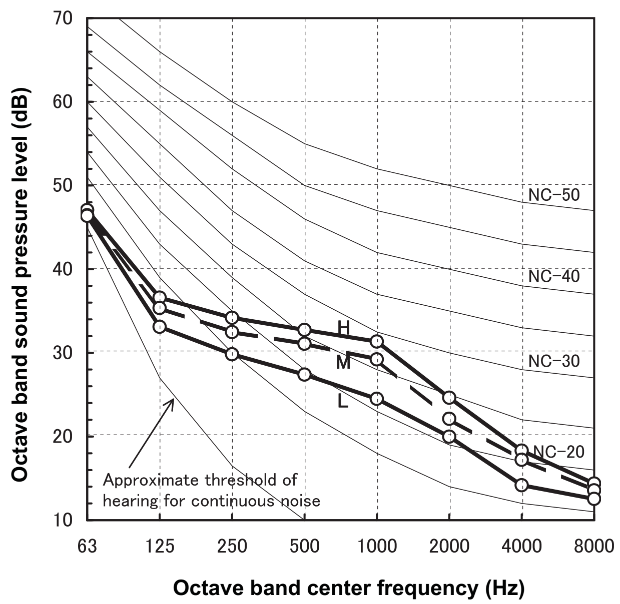
External static pressure 20Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	34	32	29



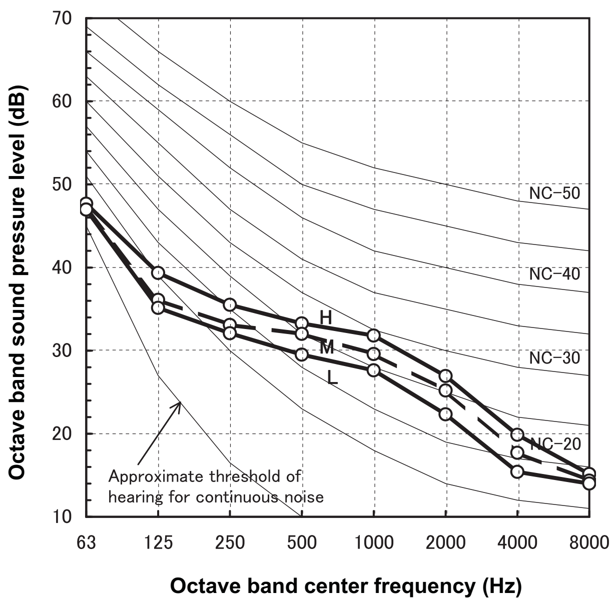
External static pressure 35Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	35	33	30



External static pressure 50Pa

Fan tap	H	M	L
Sound pressure level (dB(A))	36	34	32



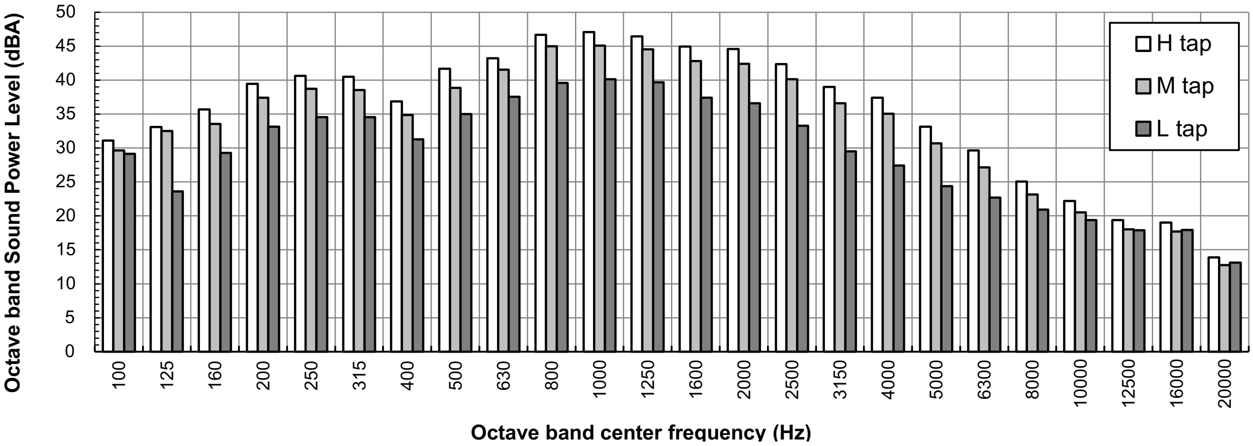
Sound data

Sound power spectrum

RAV-RM561SDT-E

External static pressure 29Pa

FAN tap	H	M	L
Sound power level (dB(A))	55	53	48



2-4-5. Option parts

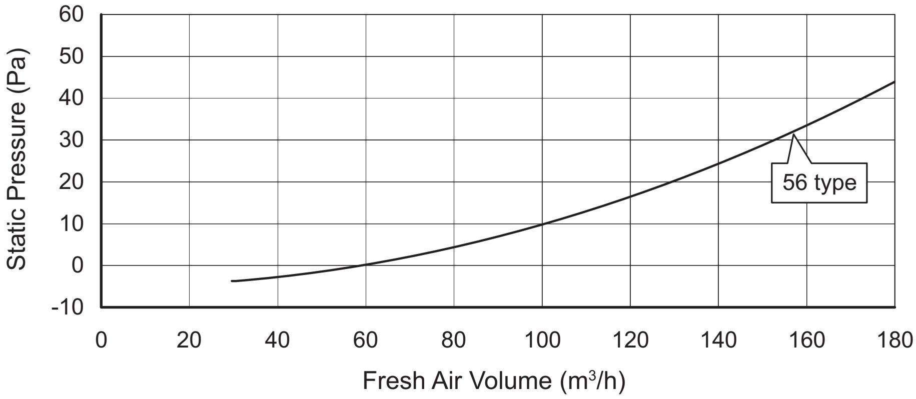
Fresh air intake (Design guide)

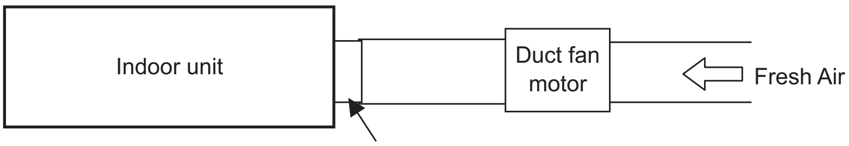
Caution

The fresh air shall be conditioned by heat reclaim ventilator or similar.
Ensure the fresh air volume is determined so that mixed suction air and fresh air maintain the operating temperature .
*1.Recommended conditioned air temperature is 12 °C to 30 °C.
However, Make a fresh air volume within 20 % of standard.

Model name		RAV-RM561SDT-E
Standard air flow	m^3/h	780

Install a air filter within the fresh air duct.
(Fresh air does not pass through the filter of Indoor unit.)
Insulate the fresh air duct.
Electrically connect the fan of the Heat exchanger unit and the Indoor unit to a single isolator





Flange Option :TCB-FF101URE2

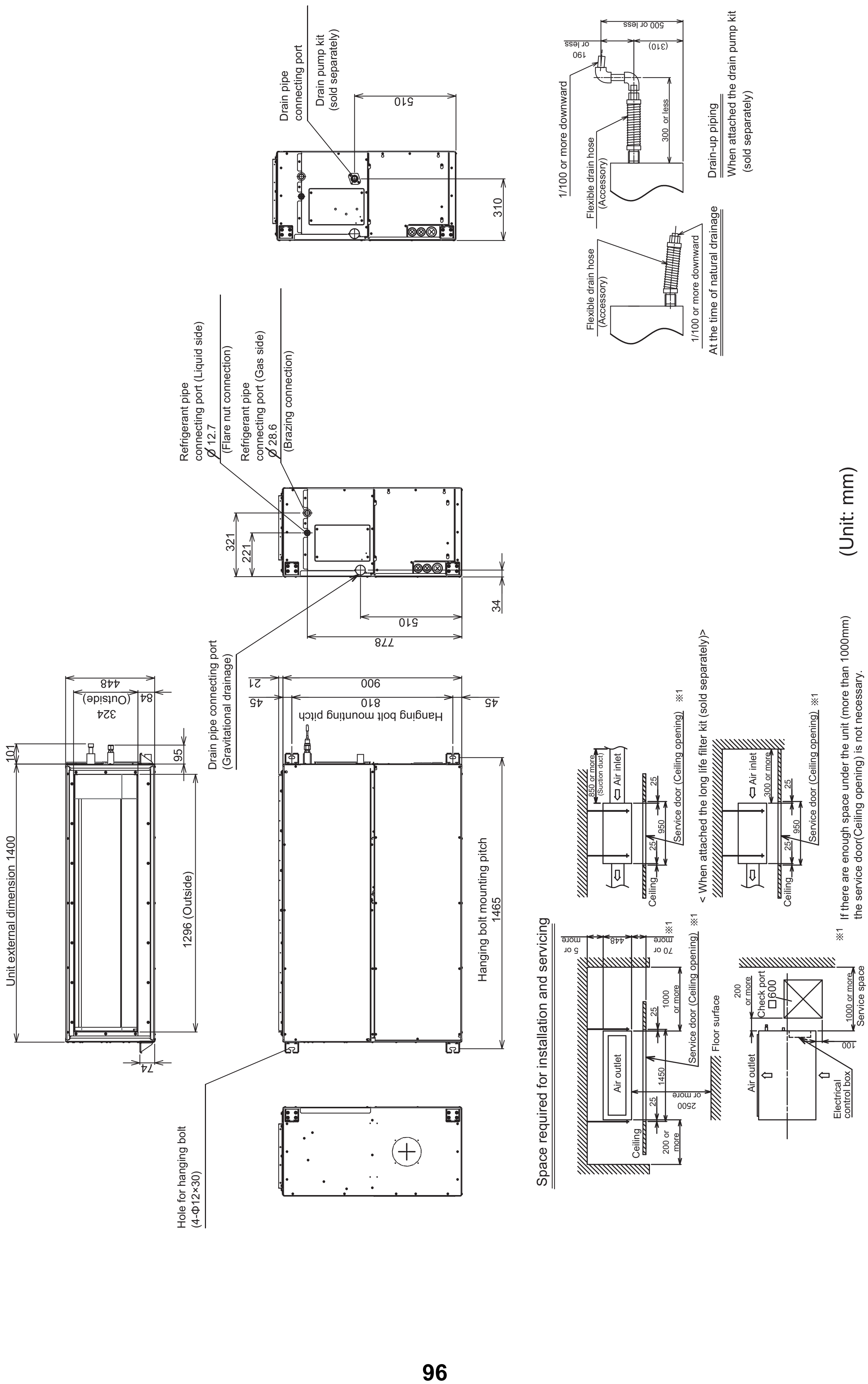
Inter - lock circuit

Connect the driving relay of the duct fan (DC 12 V) between 1 and 6 on the indoor P.C. board.
(Rated current of the relay for duct fan should be up to 75 mA.)
After installation, carry out a test run to check that the duct fan of the indoor unit start/stop simultaneously.
(Carry out the test run following the installation manual of the indoor unit.)

2-5. High Static Duct Type

2-5-1. Dimension

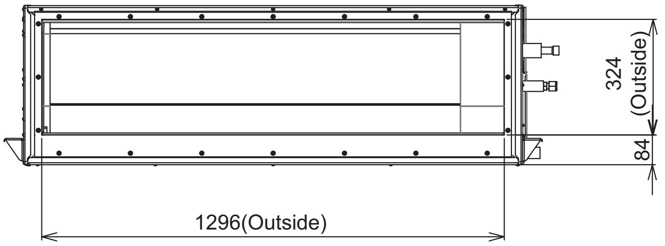
RAV-RM2241DTP-E, RAV-RM2801DTP-E

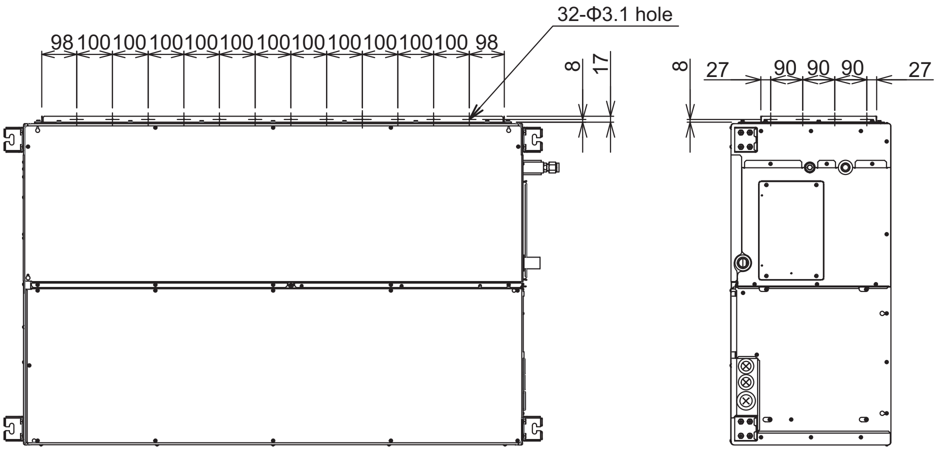


RAV-RM2241DTP-E, RAV-RM2801DTP-E

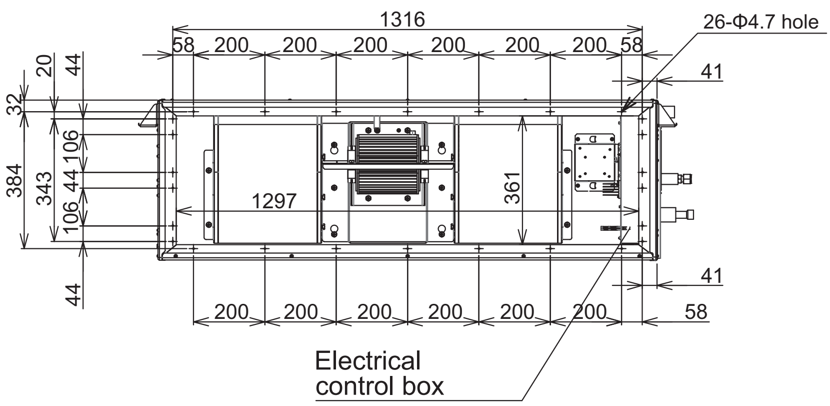
Duct arrangement

<Air outlet>





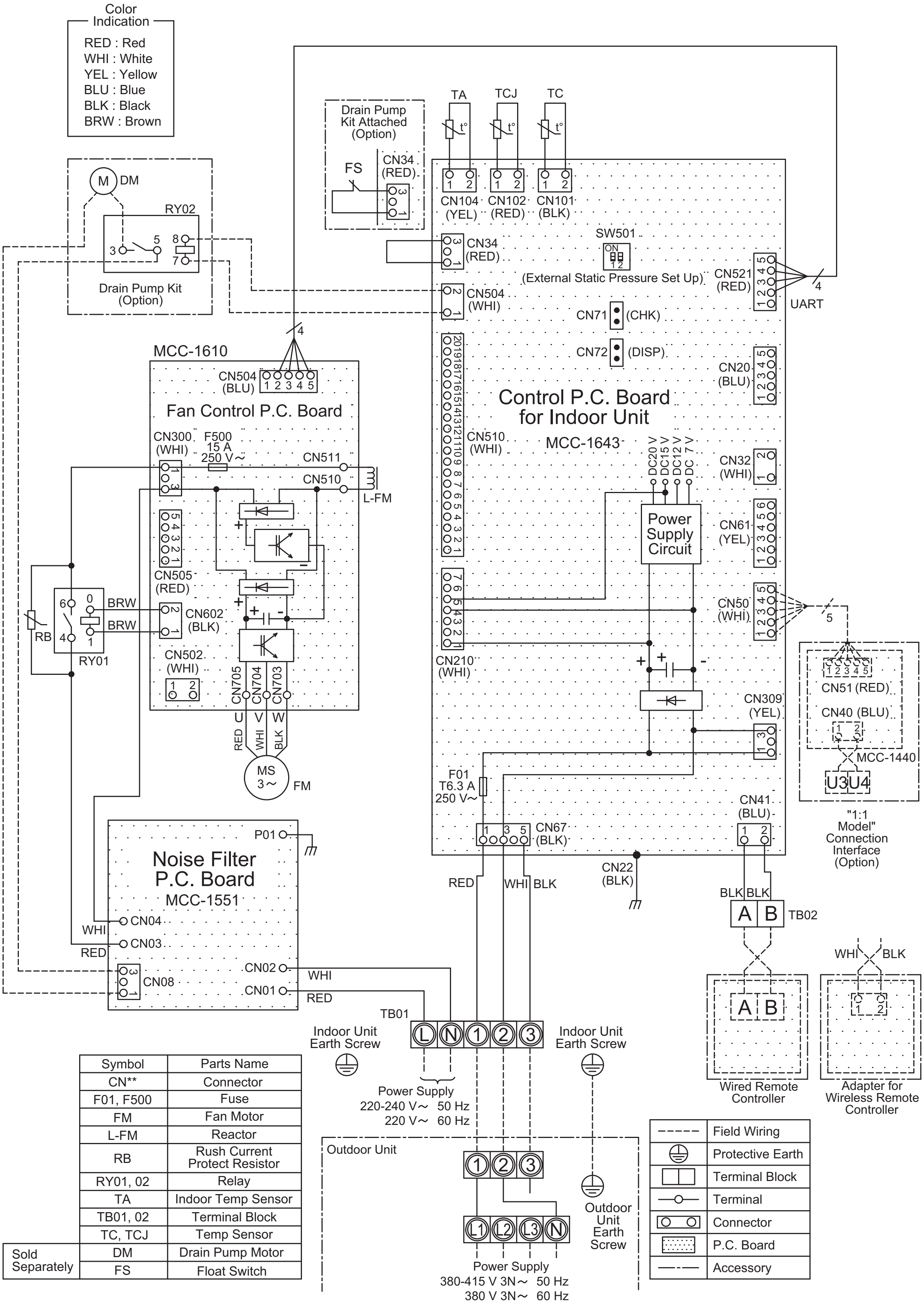
<Air inlet>



(Unit: mm)

2-5-2. Wiring diagrams

RAV-RM2241DTP-E, RAV-RM2801DTP-E



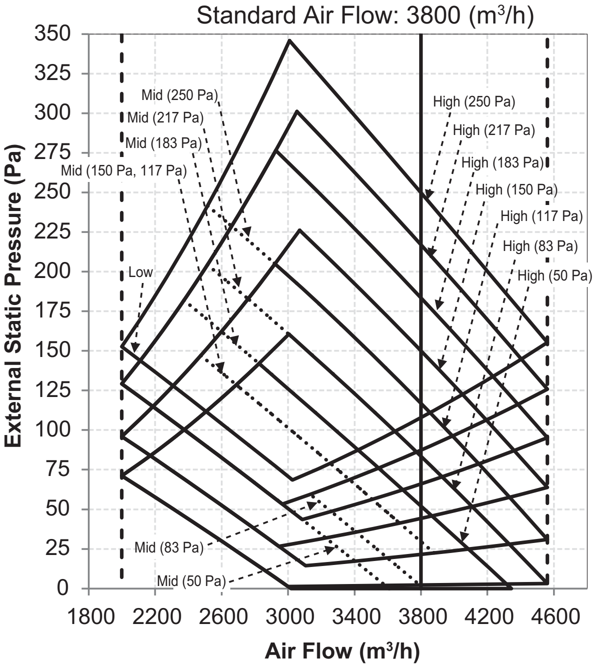
	Symbol	Parts Name
	CN**	Connector
	F01, F500	Fuse
	FM	Fan Motor
	L-FM	Reactor
	RB	Rush Current Protect Resistor
	RY01, 02	Relay
	TA	Indoor Temp Sensor
	TB01, 02	Terminal Block
	TC, TCJ	Temp Sensor
Sold Separately	DM	Drain Pump Motor
	FS	Float Switch

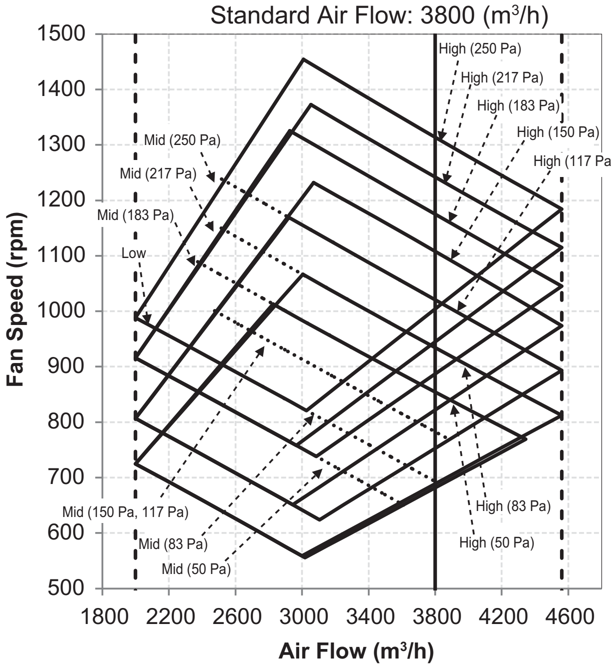
	Field Wiring
	Protective Earth
	Terminal Block
	Terminal
	Connector
	P.C. Board
	Accessory

2-5-3. Fan static characteristics

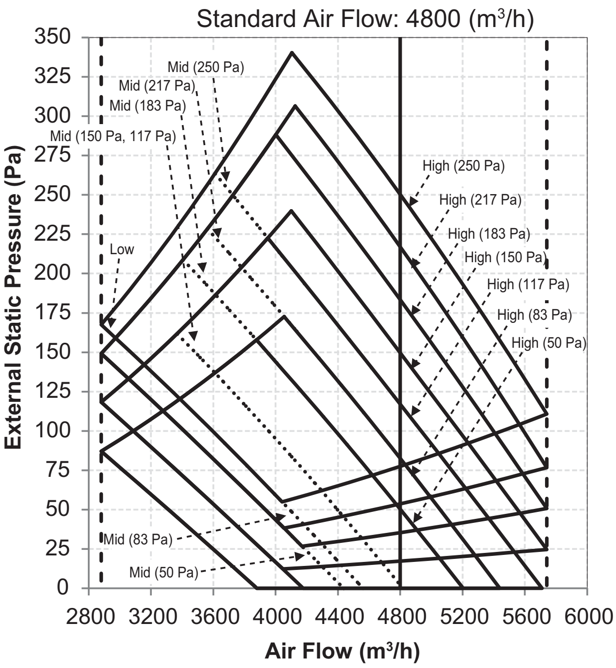
at Wind blowing down

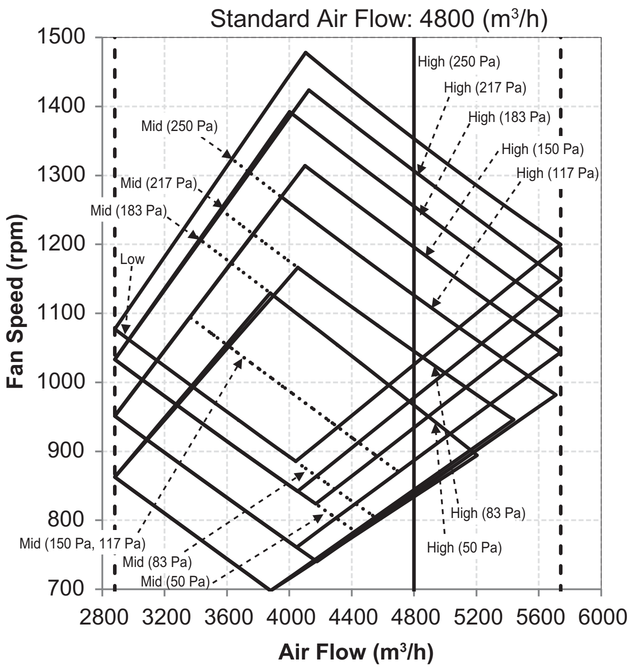
RAV-RM2241DTP-E





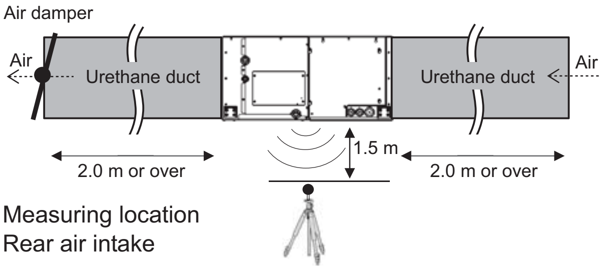
RAV-RM2801DTP-E





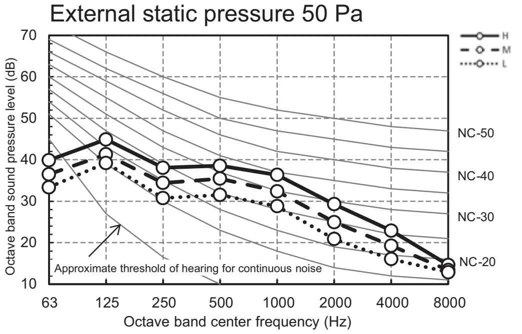
2-5-4. Sound data

RAV-RM2241DTP-E

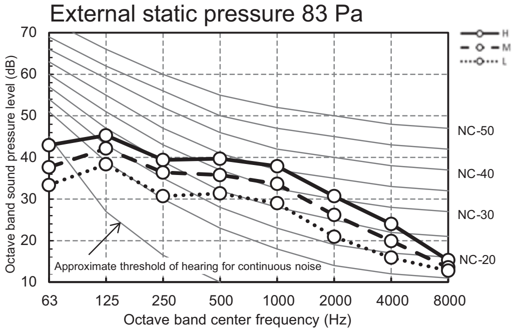


ESP (Pa)	Sound Pressure Level (dBA)		
	H	M	L
50	42.5	38.5	34.5
83	43.0	39.0	35.0
117	43.5	39.5	35.5
150	44.0	40.0	36.0
183	45.0	41.0	37.0
217	46.0	42.0	38.0
250	47.0	43.0	39.0

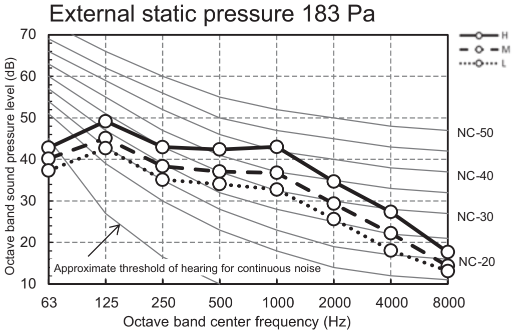
External static pressure 50 Pa



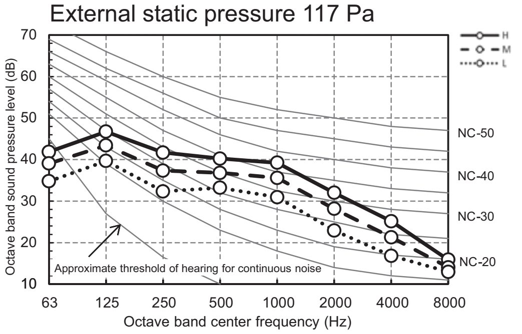
External static pressure 83 Pa



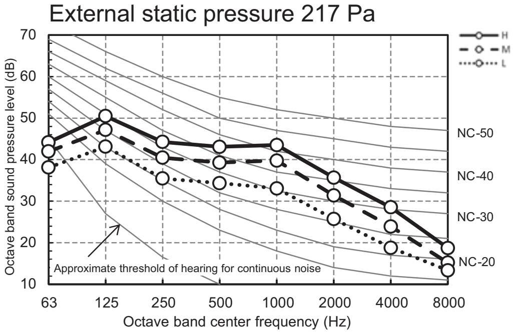
External static pressure 183 Pa



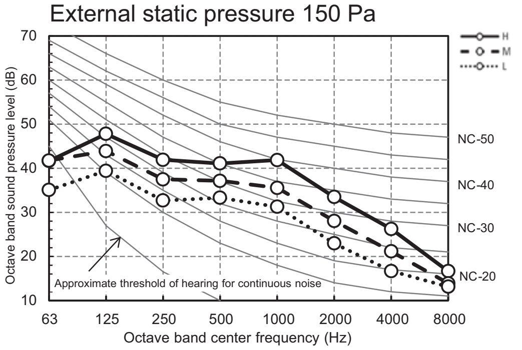
External static pressure 117 Pa



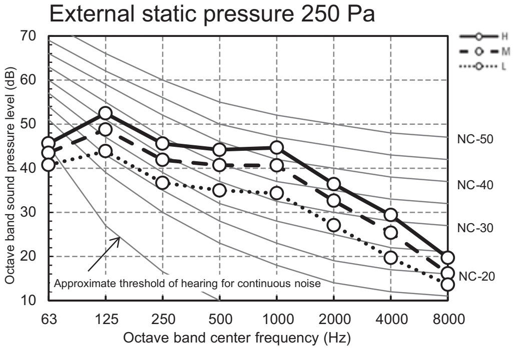
External static pressure 217 Pa



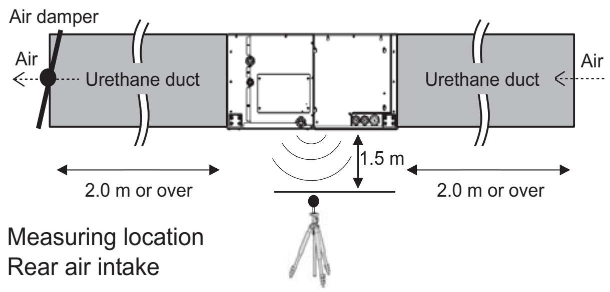
External static pressure 150 Pa



External static pressure 250 Pa

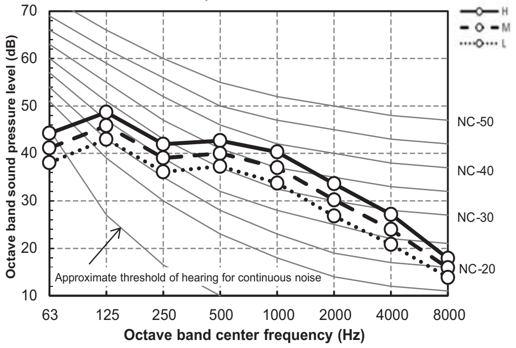


RAV-RM2801DTP-E

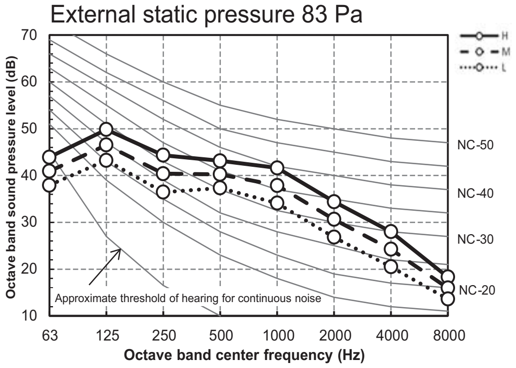


ESP (Pa)	Sound Pressure Level (dBA)		
	H	M	L
50	44.5	40.5	36.5
83	45.0	41.0	37.0
117	45.5	41.5	37.5
150	46.0	42.0	38.0
183	47.0	43.0	39.0
217	48.0	44.0	40.0
250	49.0	45.0	41.0

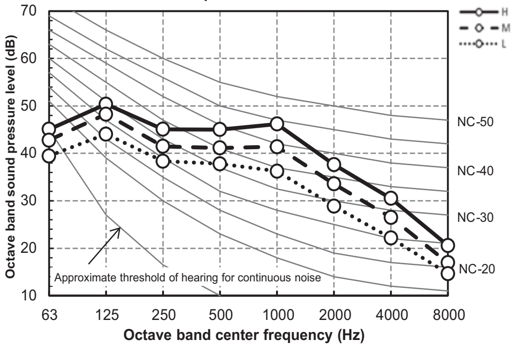
External static pressure 50 Pa



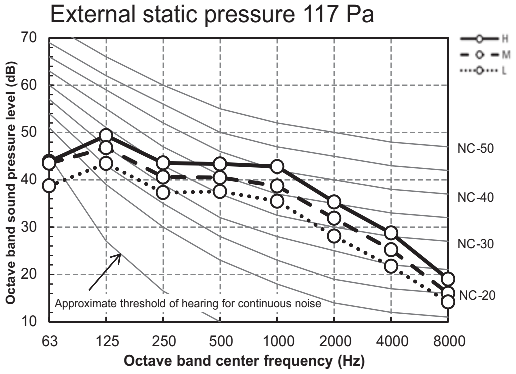
External static pressure 83 Pa



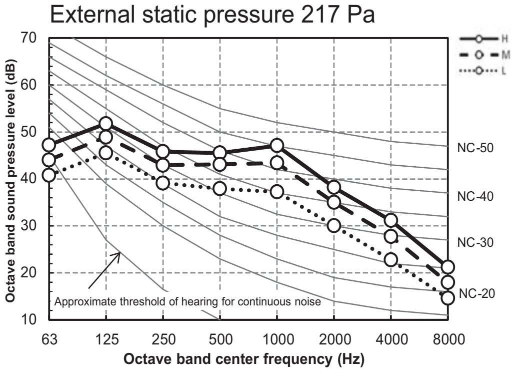
External static pressure 183 Pa



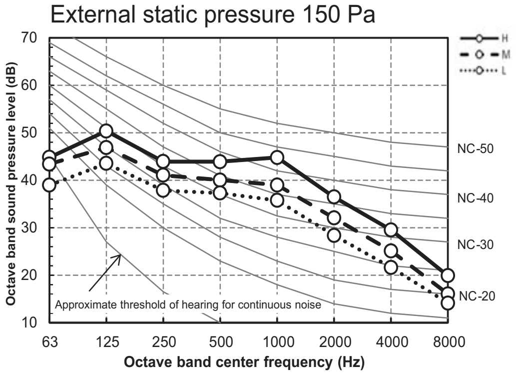
External static pressure 117 Pa



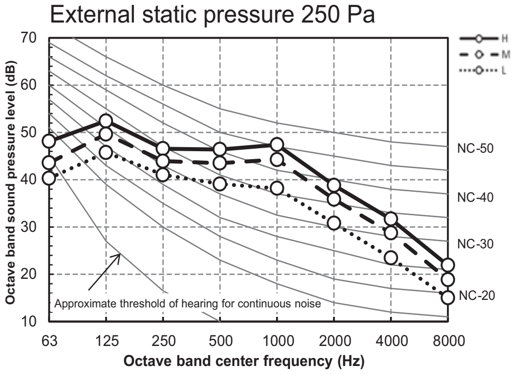
External static pressure 217 Pa



External static pressure 150 Pa



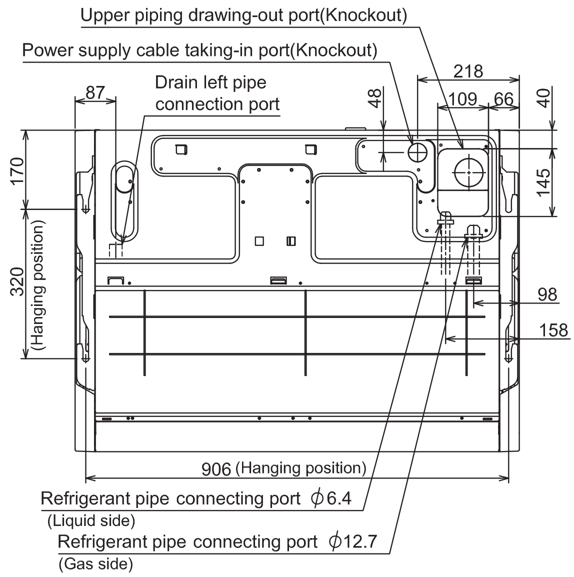
External static pressure 250 Pa

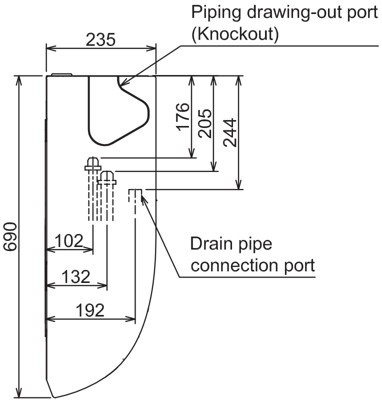


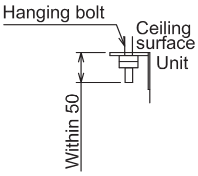
2-6. Ceiling Type

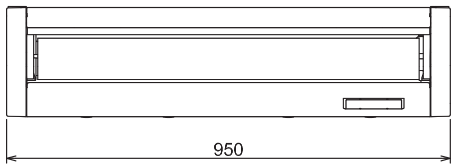
2-6-1. Dimension

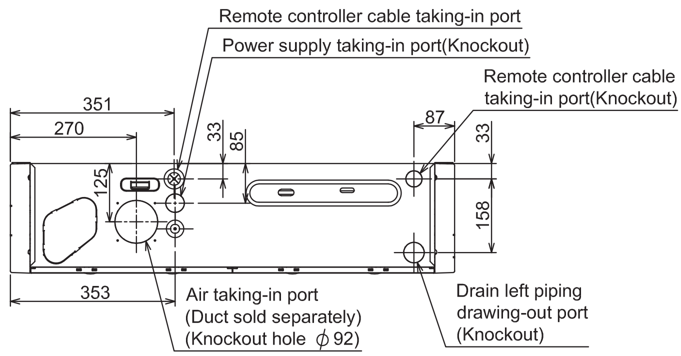
RAV-RM561CTP-E

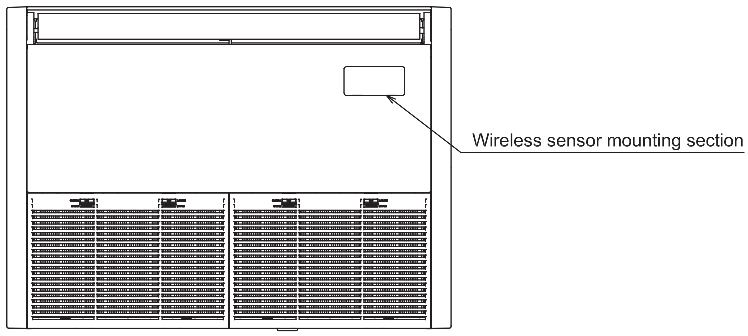


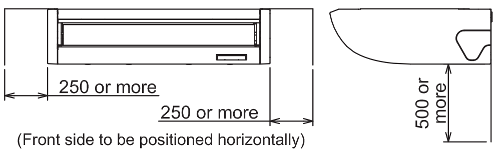






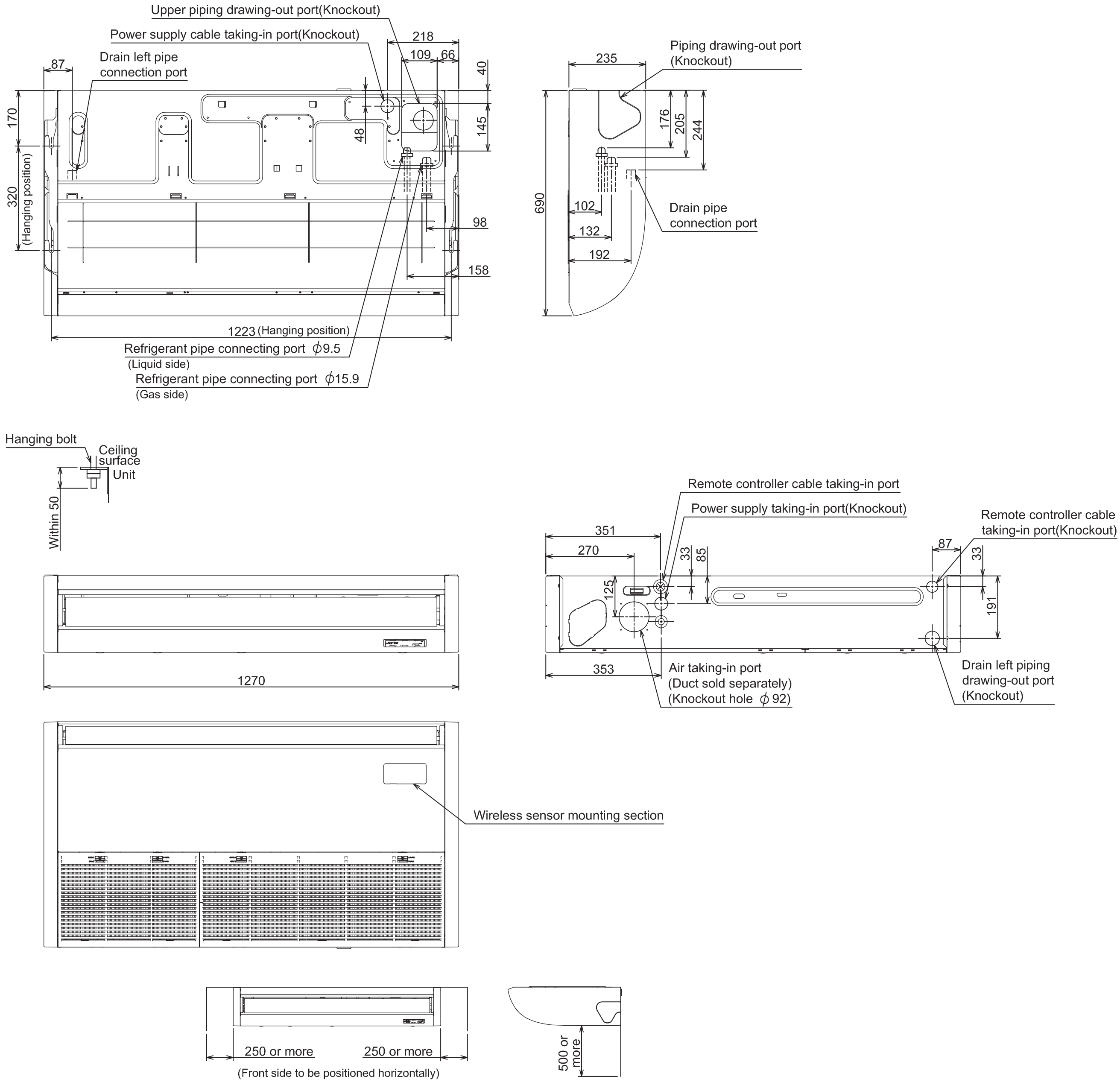






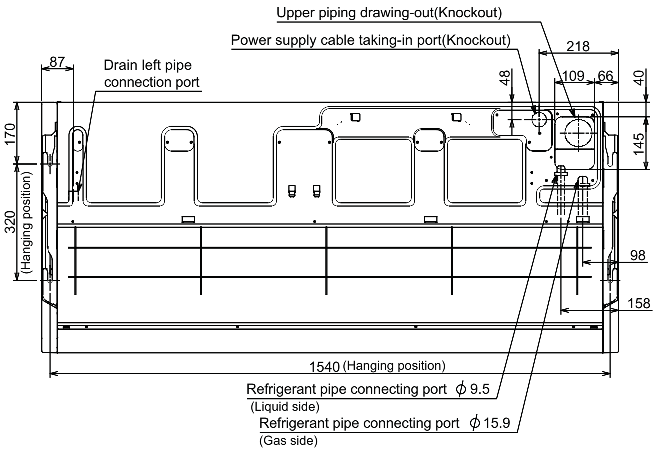
Space required for installation and servicing

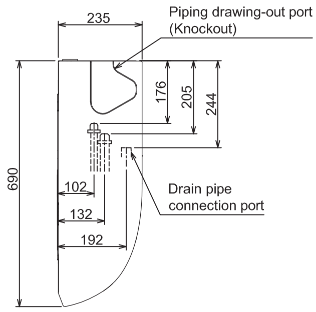
RAV-RM801CTP-E

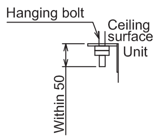


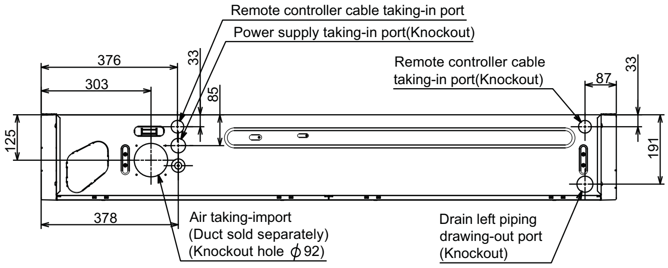
Space required for installation and servicing

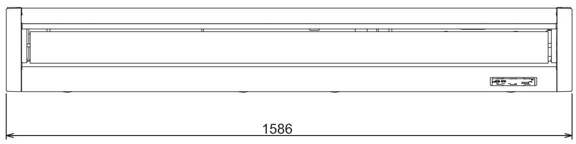
RAV-RM1101CTP-E, RAV-RM1401CTP-E

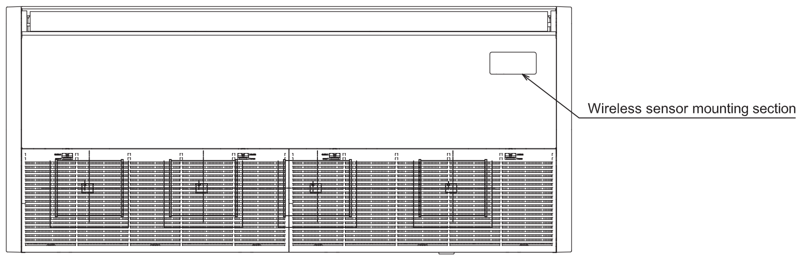


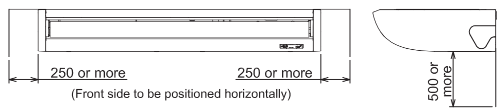








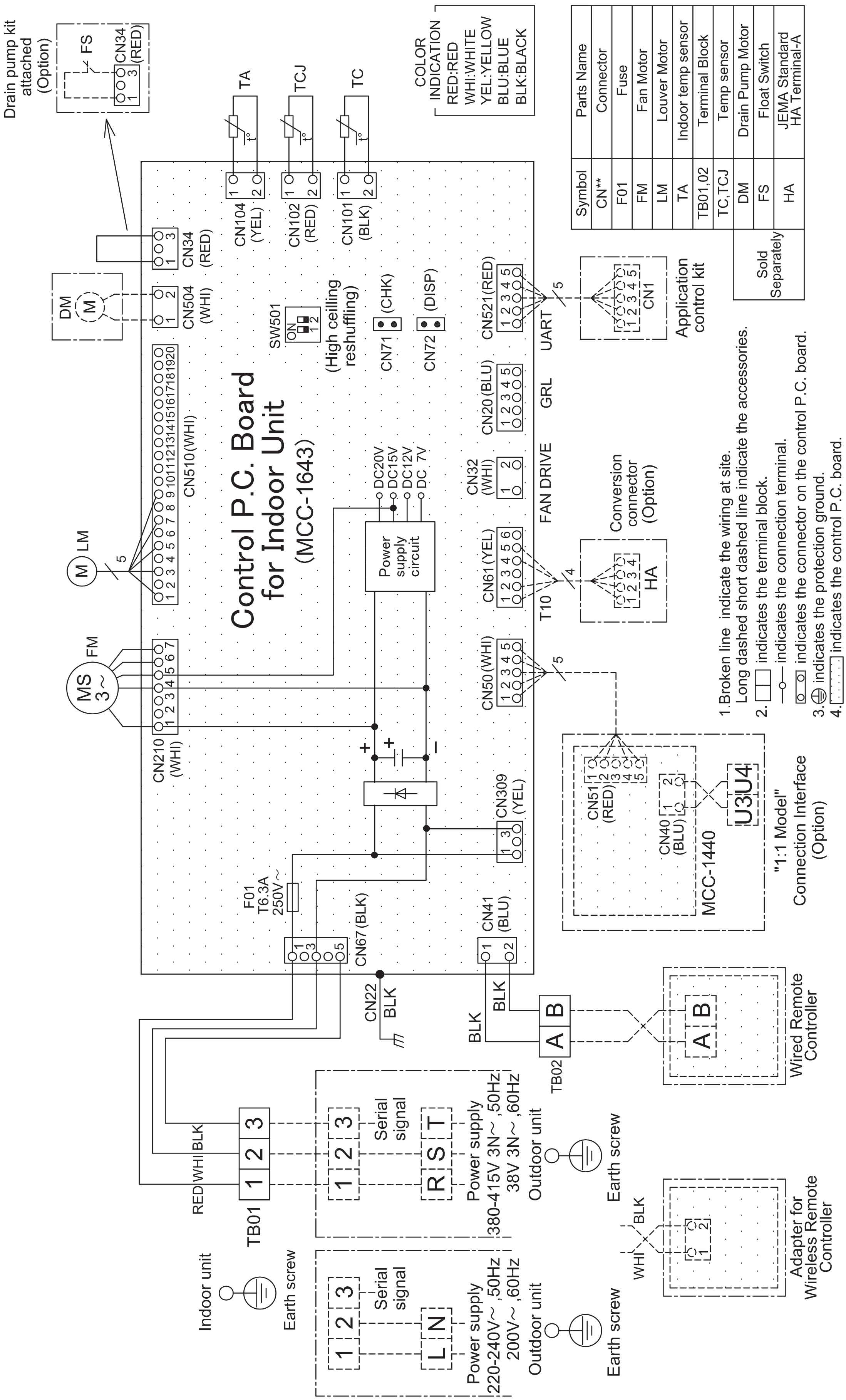




Space required for installation and servicing

2-6-2. Wiring diagrams

RAV-RM561CTP-E, RAV-RM801CTP-E, RAV-RM1101CTP-E, RAV-RM1401CTP-E

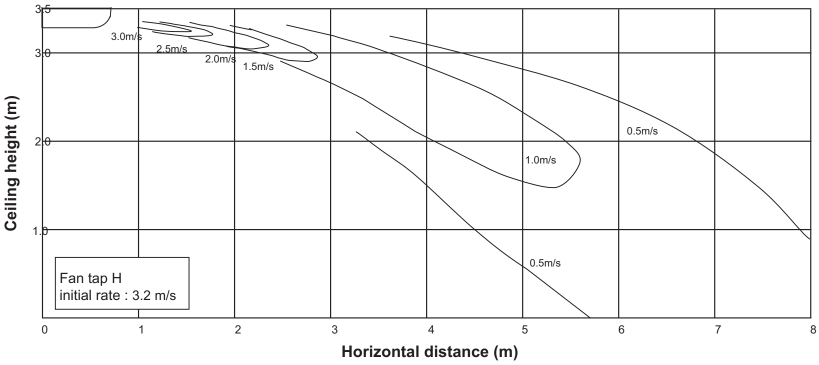


2-6-3. Air throw distance chart

RAV-RM561CTP-E

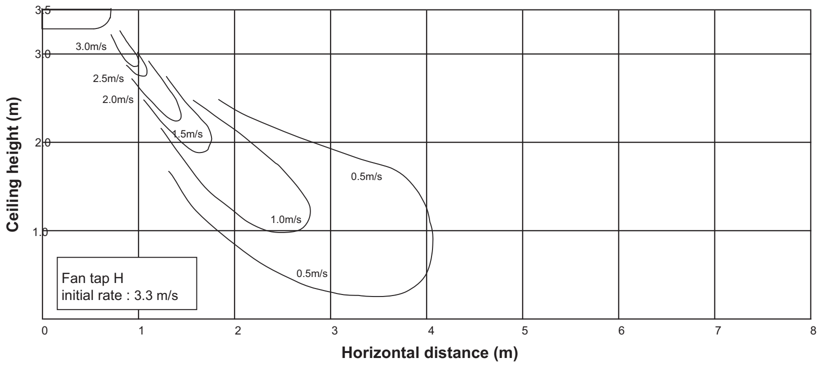
Cooling

(Louver position : F2)



Heating

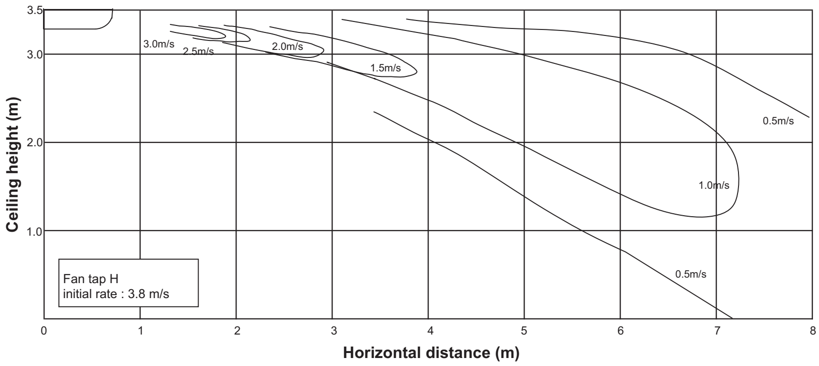
(Louver position : F5)



RAV-RM801CTP-E

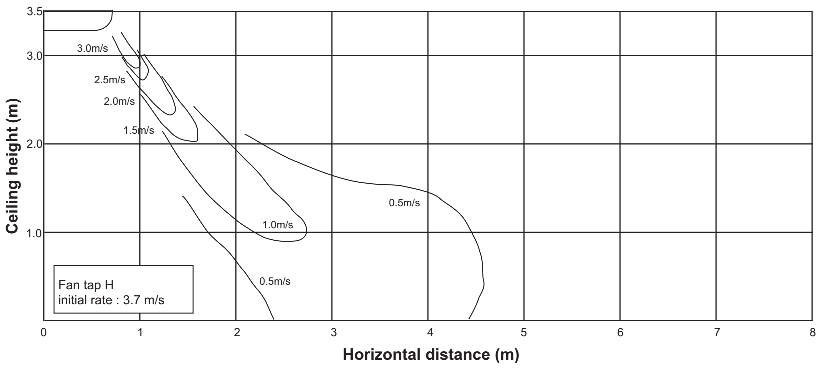
Cooling

(Louver position : F2)



Heating

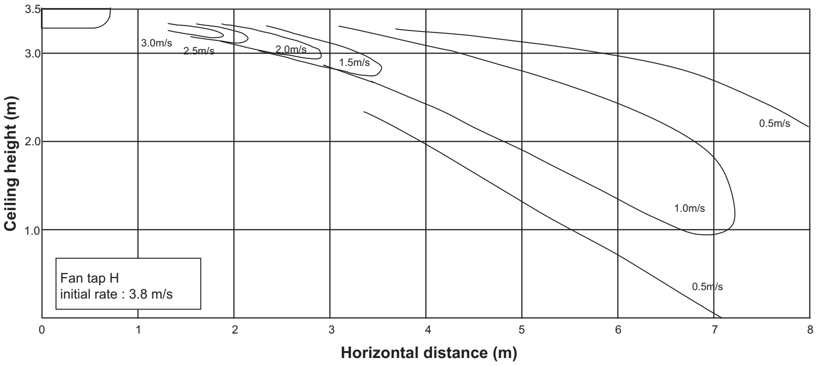
(Louver position : F5)



RAV-RM1101CTP-E

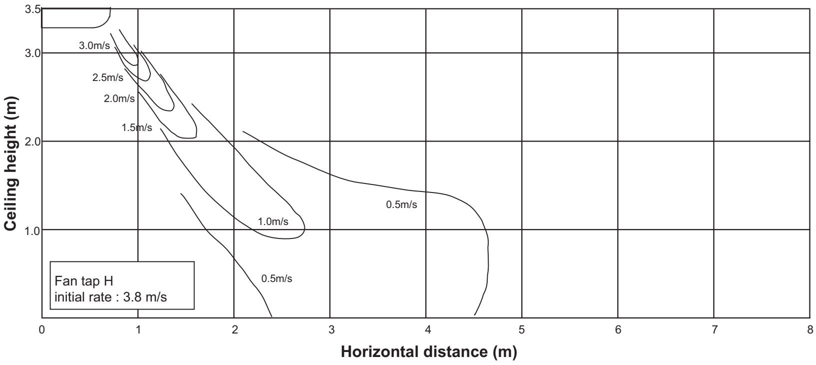
Cooling

(Louver position : F2)



Heating

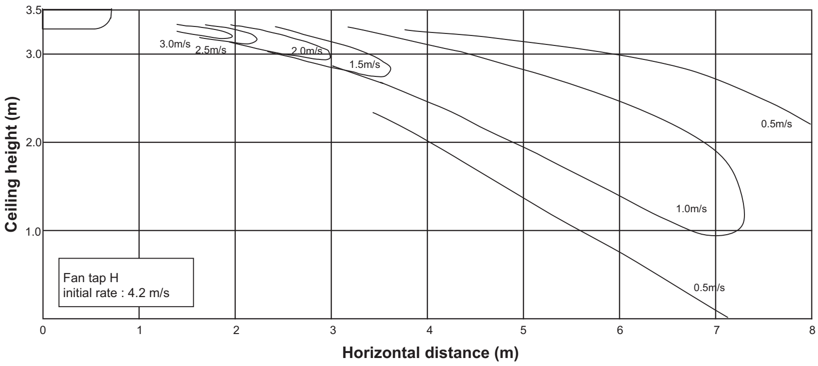
(Louver position : F5)



RAV-RM1401CTP-E

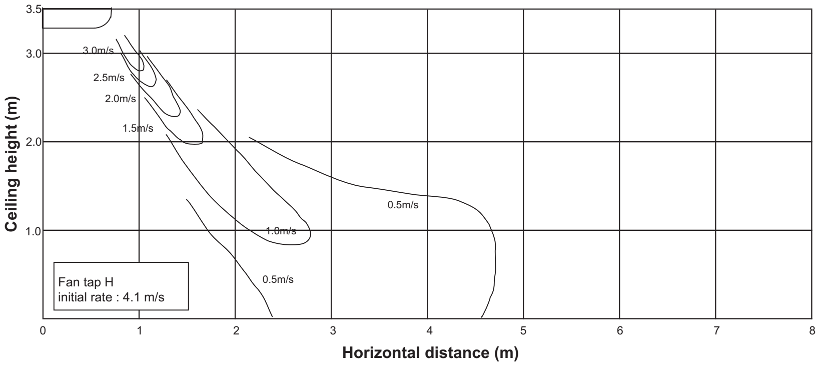
Cooling

(Louver position : F2)



Heating

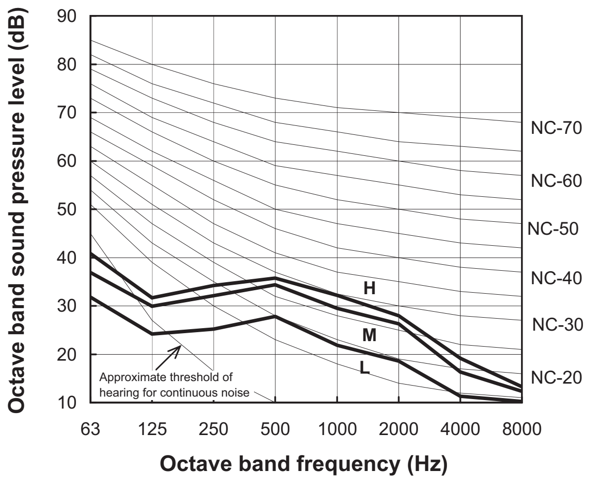
(Louver position : F5)



2-6-4. Sound characteristics (NC curve)

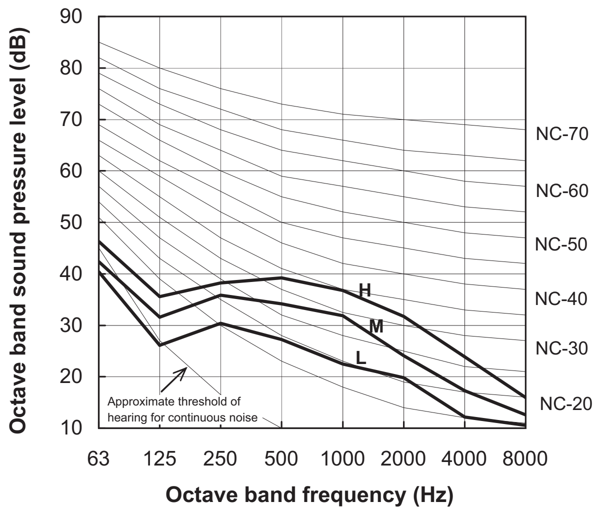
RAV-RM561CTP-E

Fan tap	H	M	L
Sound pressure level (dB(A))	37	35	28



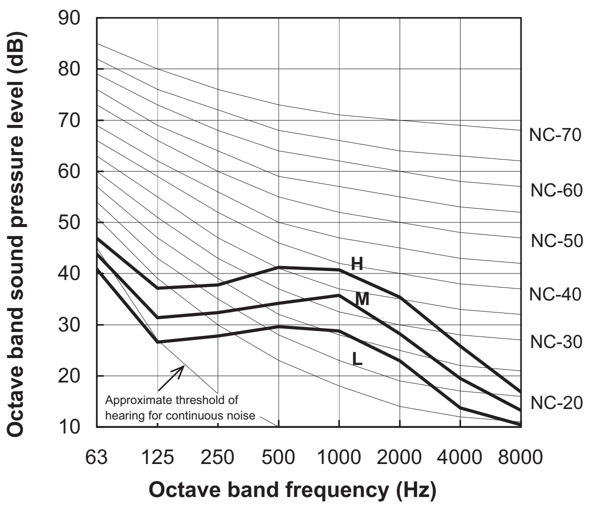
RAV-RM801CTP-E

Fan tap	H	M	L
Sound pressure level (dB(A))	41	36	29



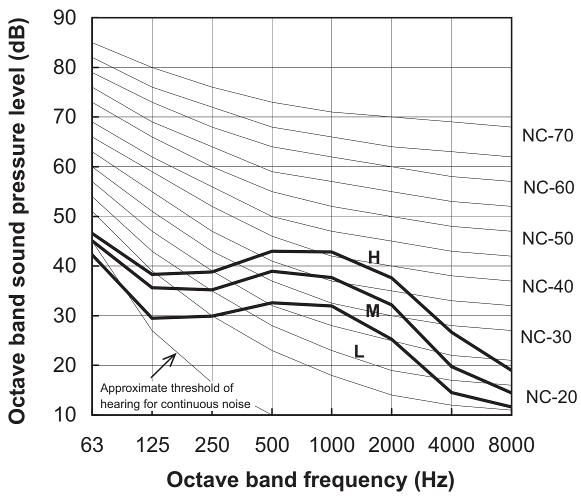
RAV-RM1101CTP-E

Fan tap	H	M	L
Sound pressure level (dB(A))	44	38	32



RAV-RM1401CTP-E

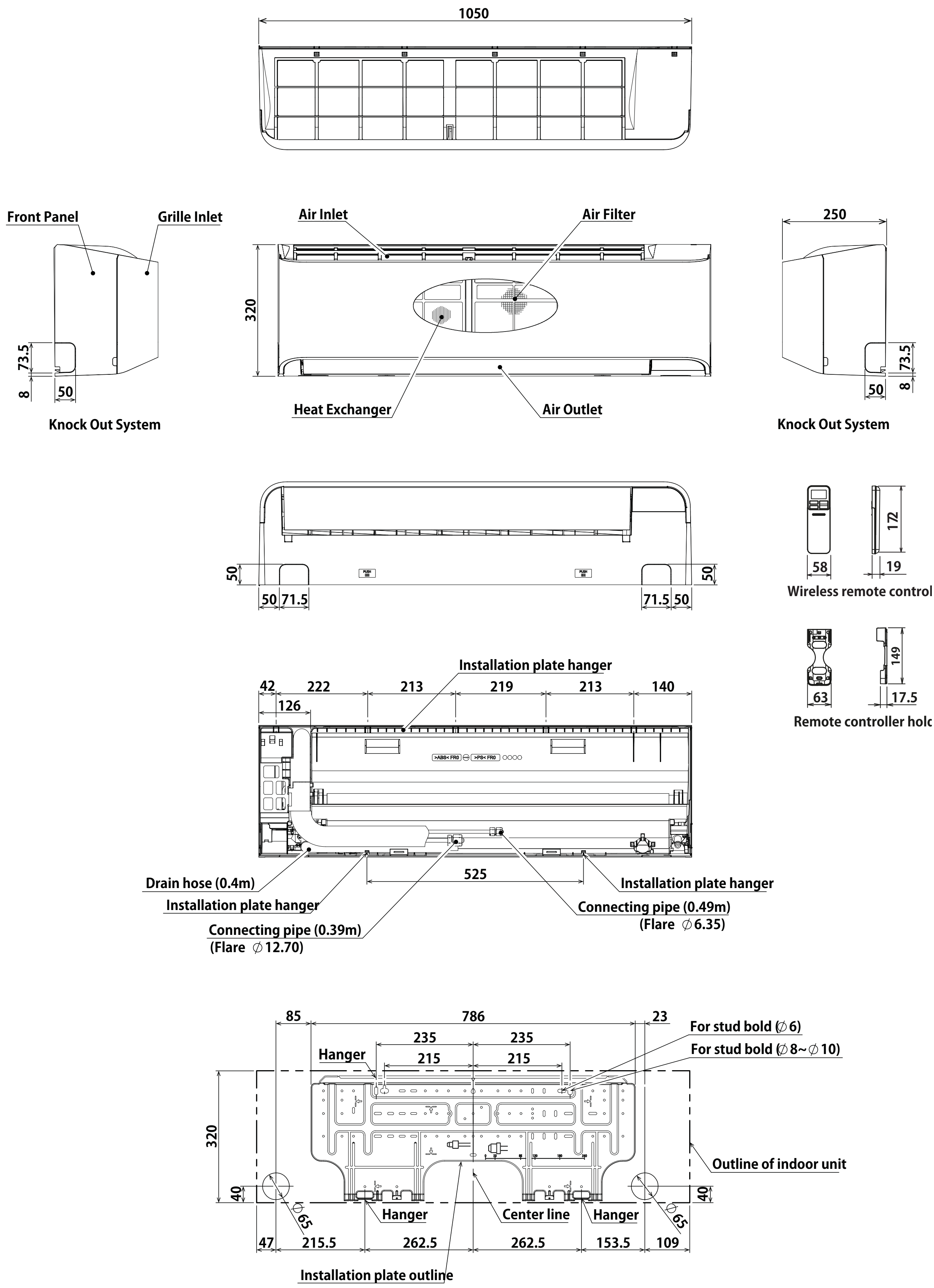
Fan tap	H	M	L
Sound pressure level (dB(A))	46	41	35



2-7. High-wall Type

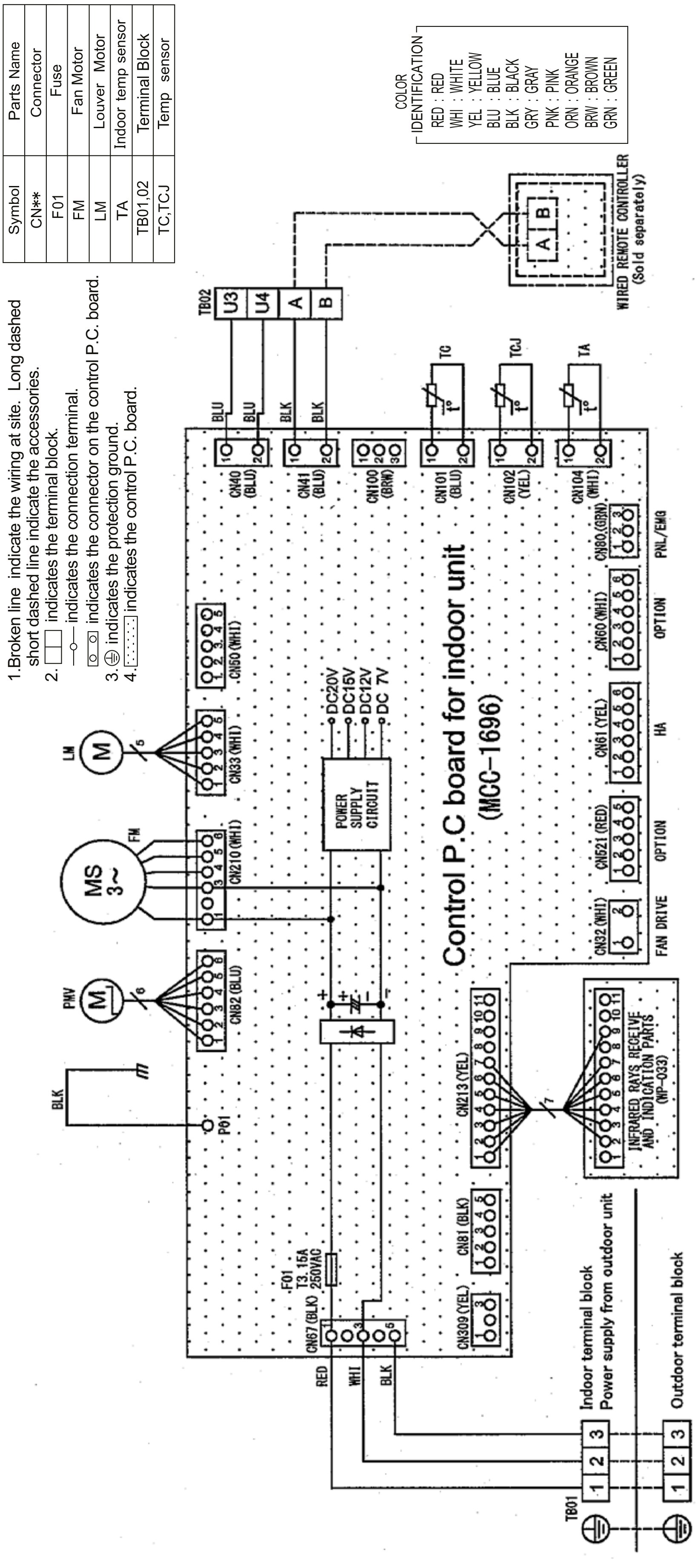
2-7-1. Dimension

RAV-RM561KRTP-E, RAV-RM801KRTP-E



2-7-2. Wiring Diagrams

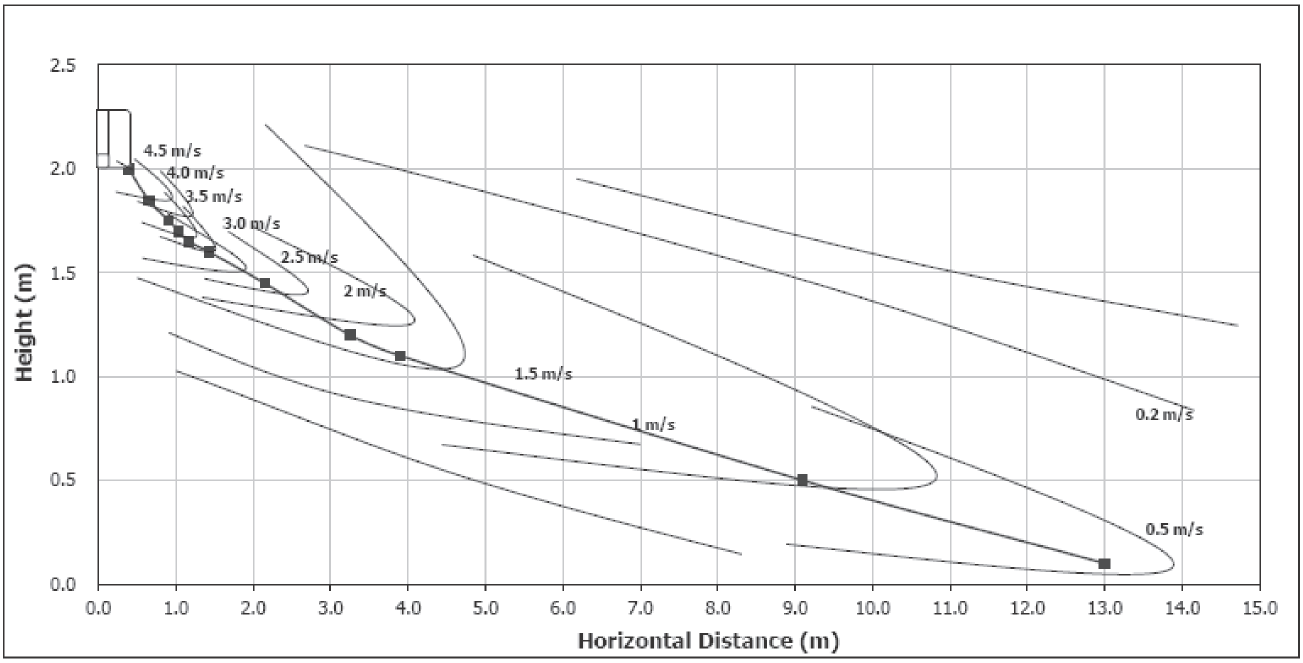
RAV-RM561KRTP-E, RAV-RM801KRTP-E



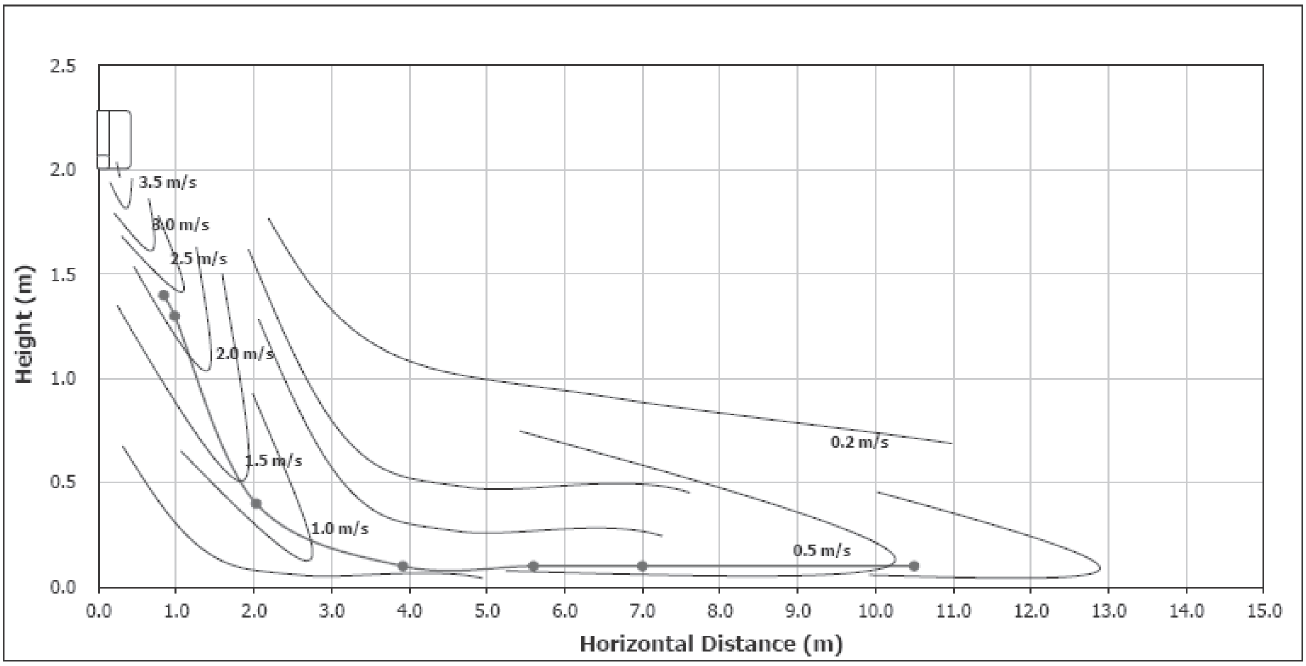
2-7-3. Air Throw Distance Chart

RAV-RM561KRTP-E

Cooling

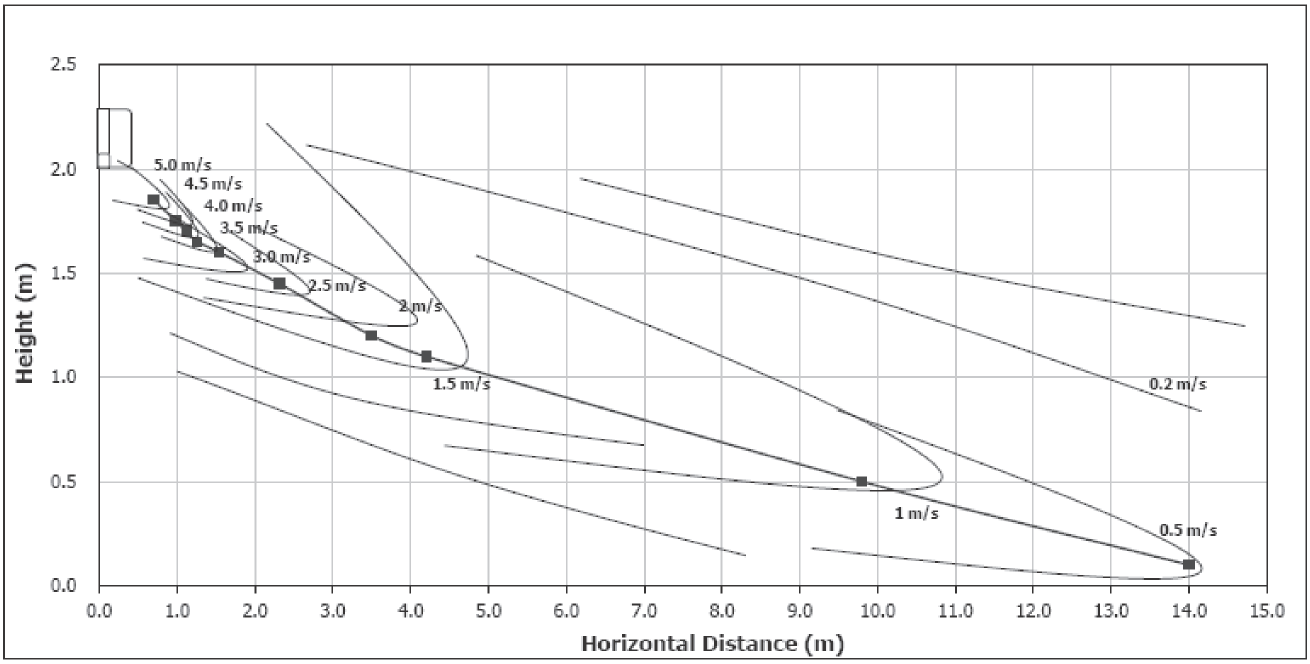


Heating

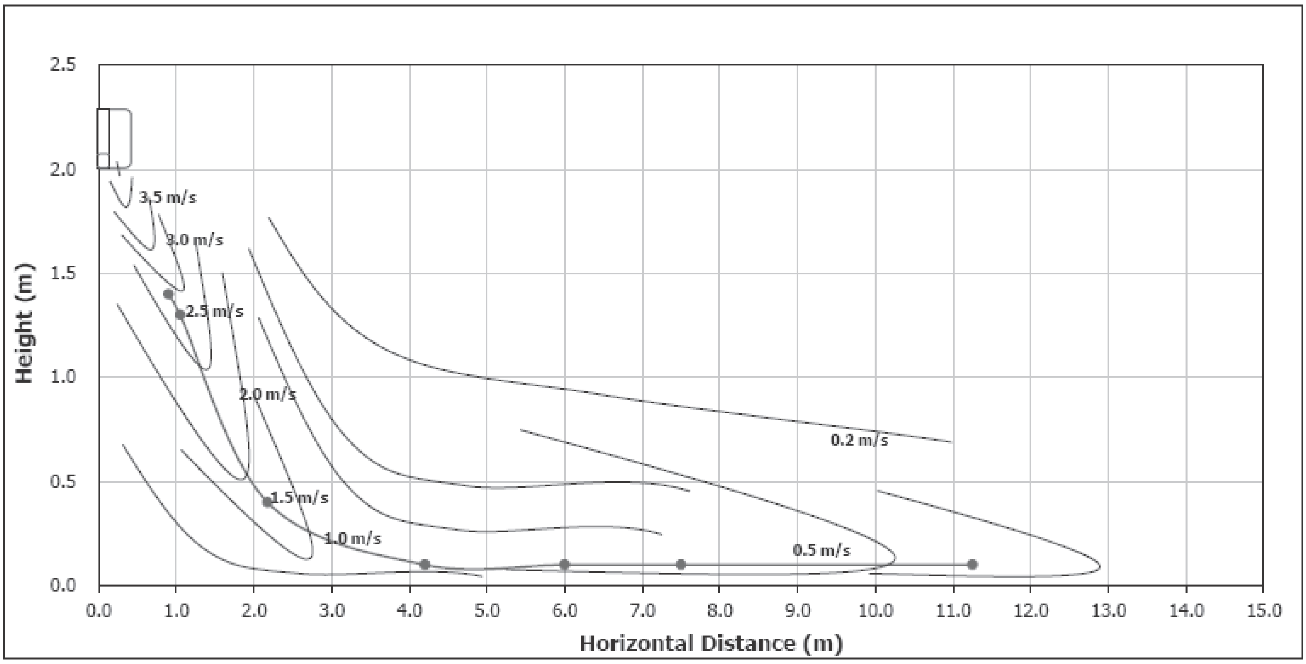


RAV-RM801KRTP-E

Cooling



Heating

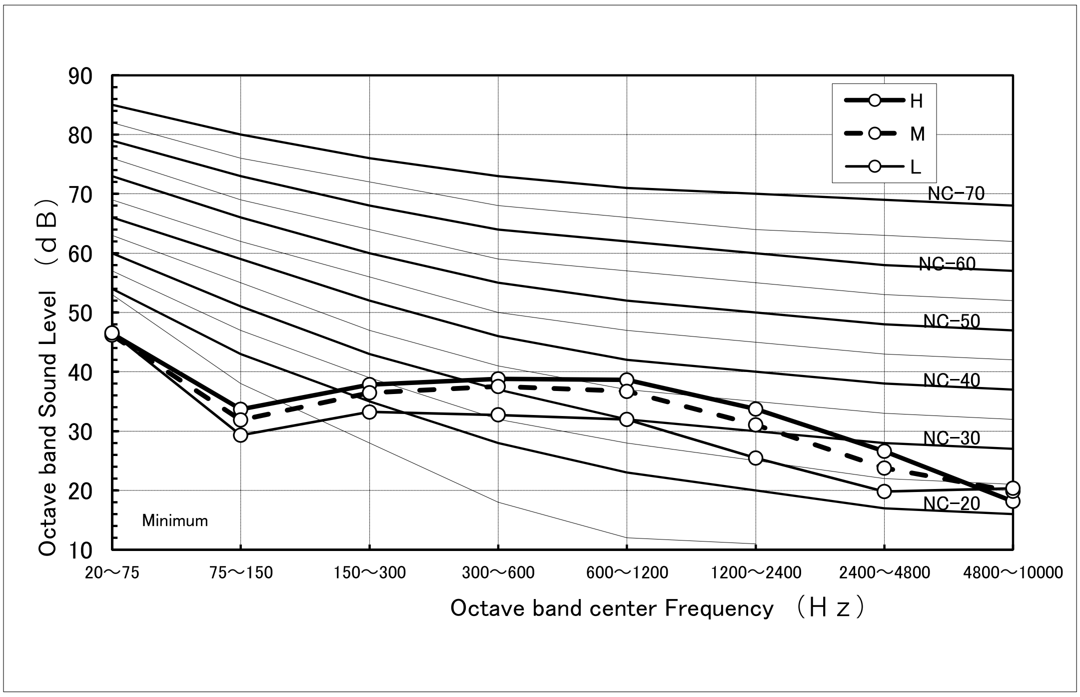


2-7-4. Sound Characteristics (NC Curve)

RAV-RAM561KRTP-E

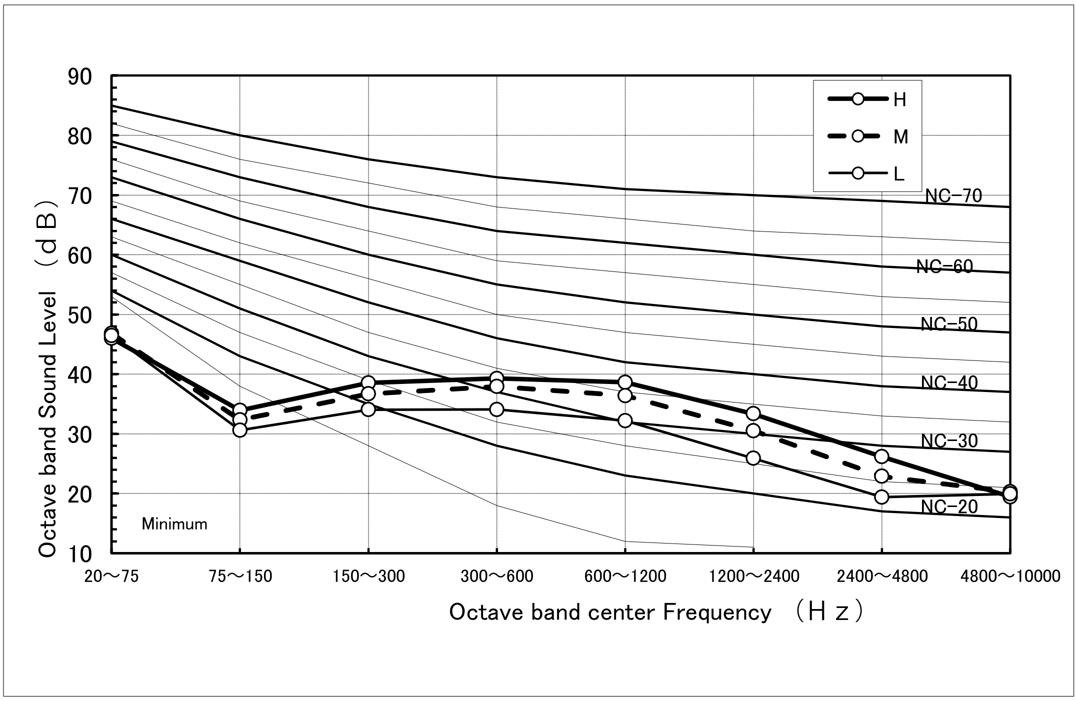
Cooling

Specification (dB)			
Fan tap	H	M	L
Sound pressure level (dB(A))	42	39	35



Heating

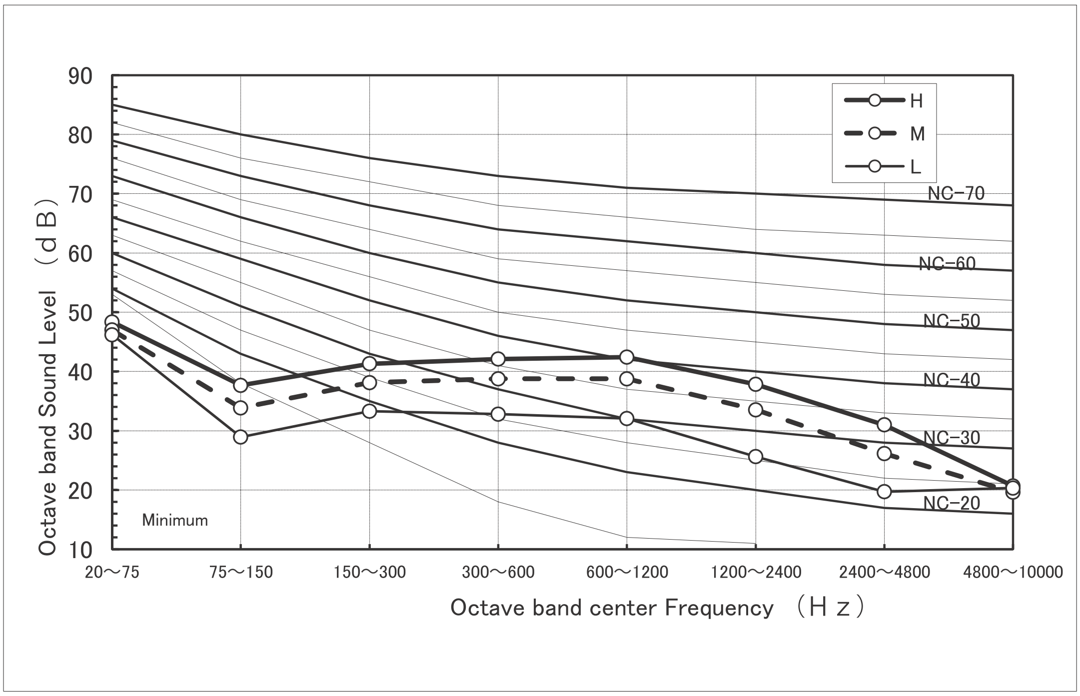
Specification (dB)			
Fan tap	H	M	L
Sound pressure level (dB(A))	42	39	35



RAV-RAM801KRTP-E

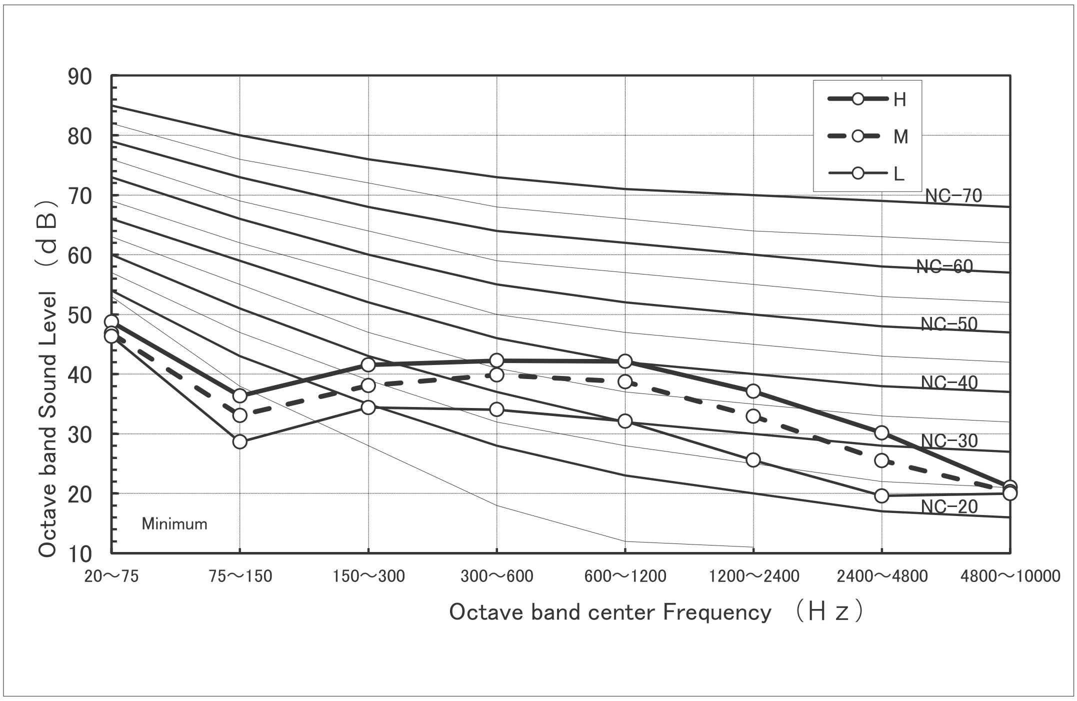
Cooling

Specification （d B）			
Fan tap	H	M	L
Sound pressure level (dB(A))	45	41	35



Heating

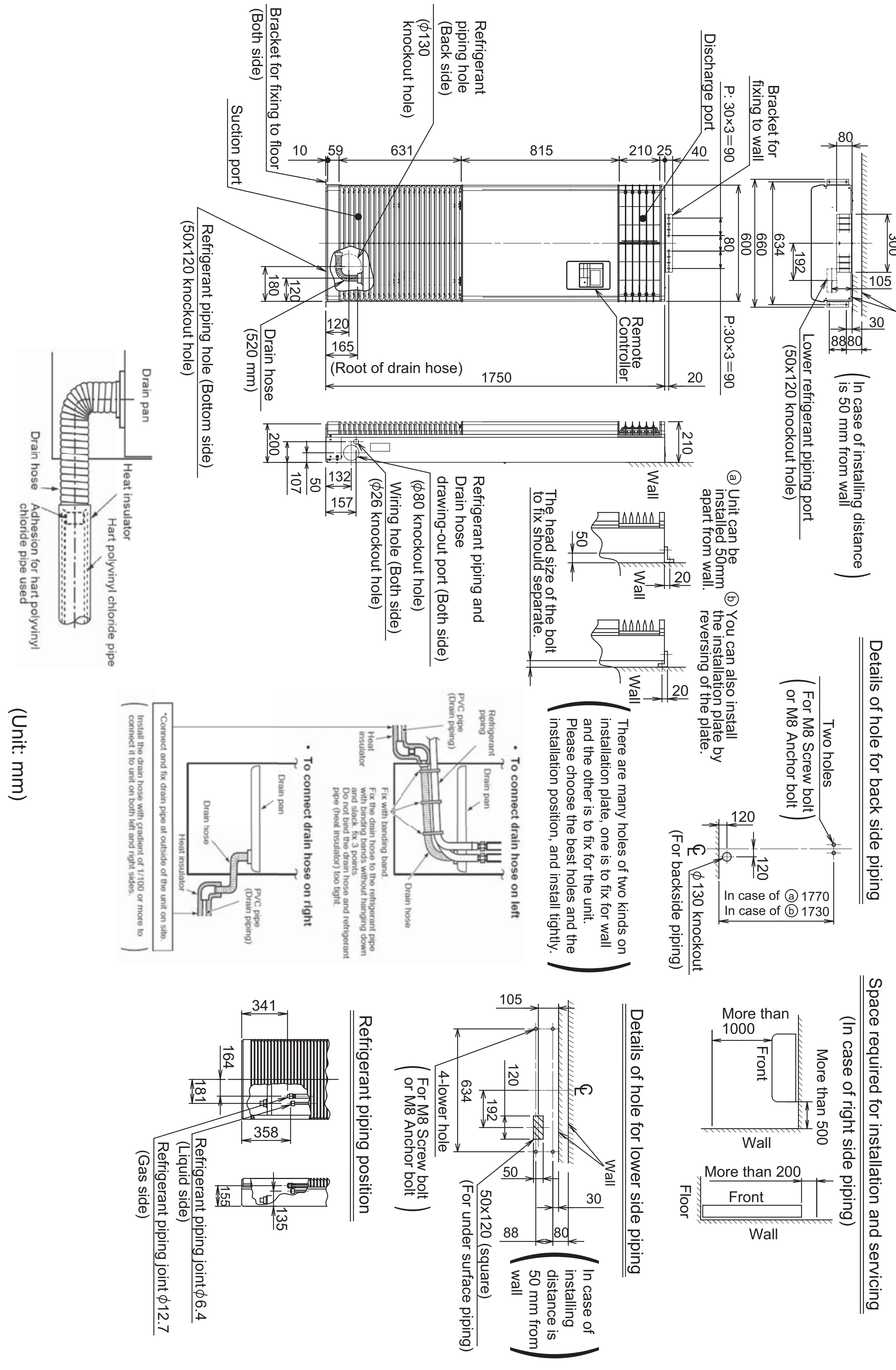
Specification （d B）			
Fan tap	H	M	L
Sound pressure level (dB(A))	45	41	35



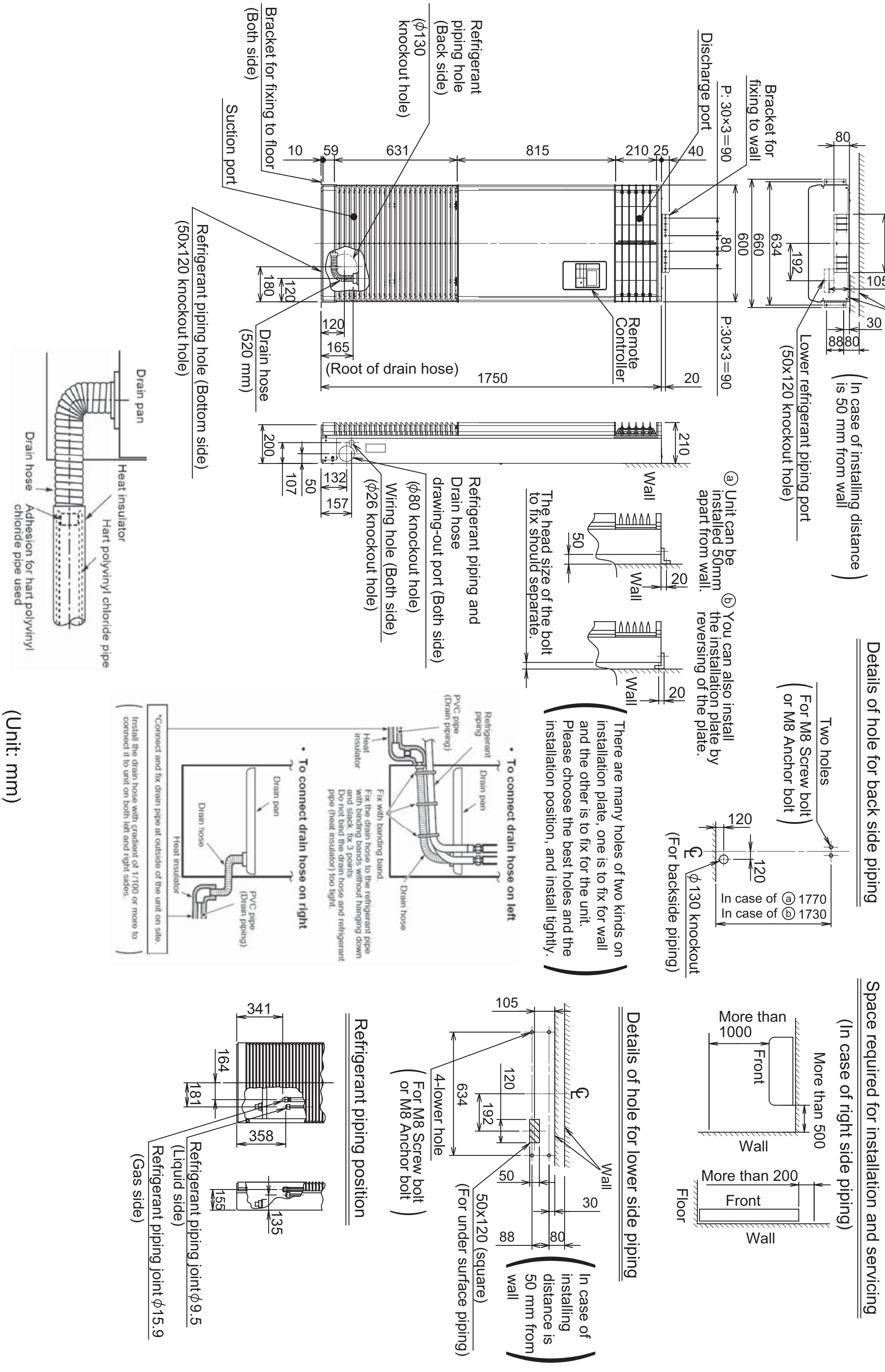
2-8. Floor standing Type

2-8-1. Dimension

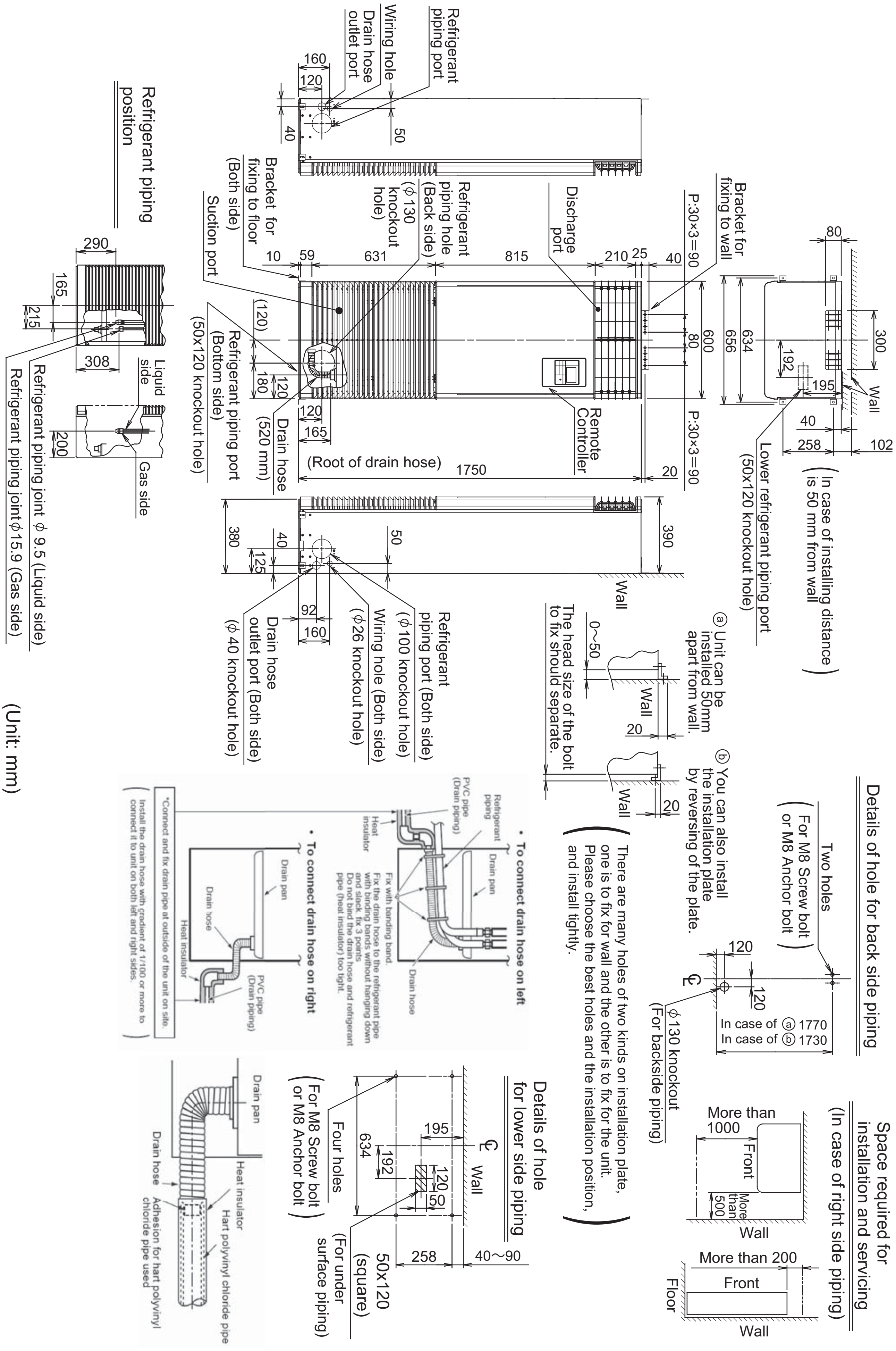
RAV-RM561FT-EN/ES



RAV-RM801FT-EN/ES

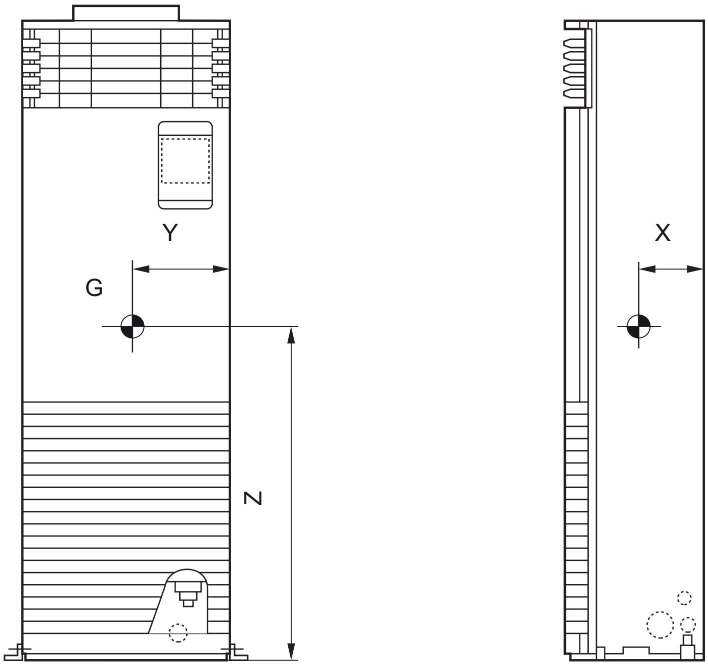


RAV-RM1101FT-EN/ES, RAV-RM1401FT-EN/ES, RAV-RM1601FT-EN/ES

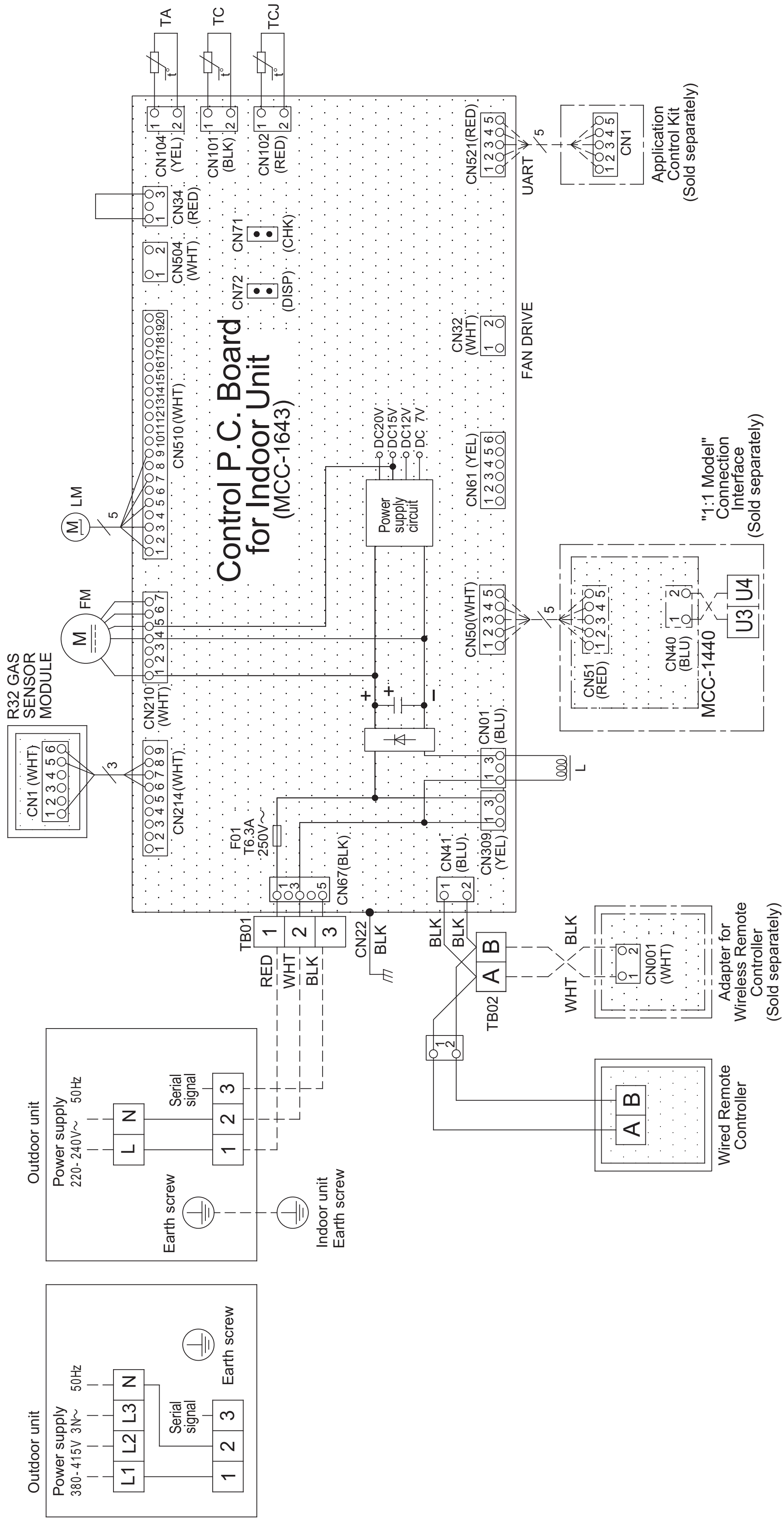


■ Center of gravity

Model name	X (mm)	Y (mm)	Z (mm)
RAV-RM561FT-EN/ES	85	285	820
RAV-RM801FT-EN/ES			
RAV-RM1101FT-EN/ES	195	290	860
RAV-RM1401FT-EN/ES			
RAV-RM1601FT-EN/ES			



2-8-2. Wiring diagrams



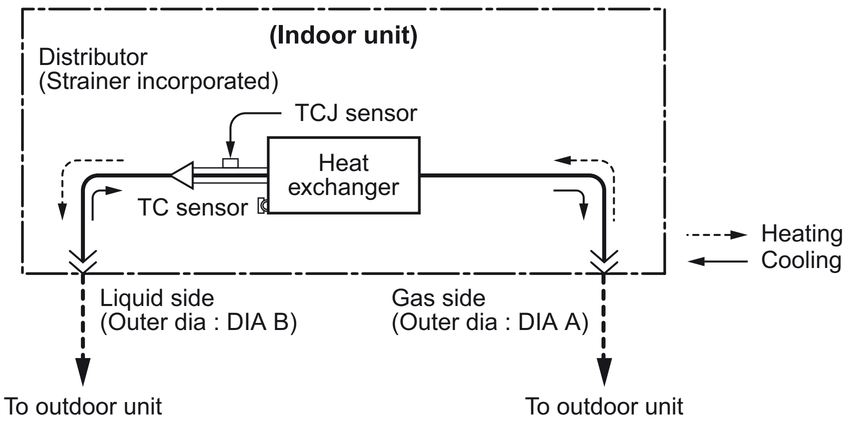
COLOR INDICATION
RED:RED
WHT:WHITE
YEL:YELLOW
BLU:BLUE
BLK:BLACK

	Field Wiring
	Protection Ground
	Terminal Block
	Terminal
	Connector
	P.C.Board
	Accessory

Symbol	Parts Name
CN＊＊	Connector
F01	Fuse
FM	Fan Motor
L	Reactor
LM	Louver Motor
TA	Indoor temp sensor
TB01,02	Terminal Block
TC,TCJ	Temp sensor

2-8-3. Refrigerant Cycle Diagram

• Single type (Combination of 1 indoor unit and 1 outdoor unit)



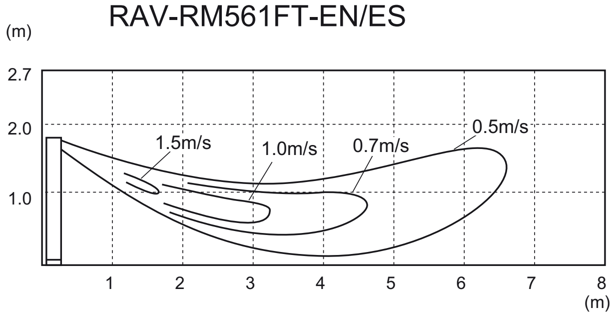
Dimension table

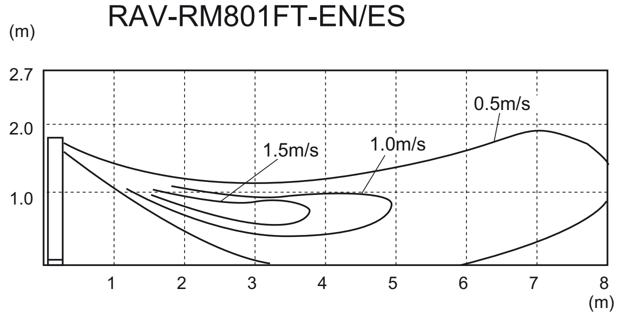
(Unit: mm)

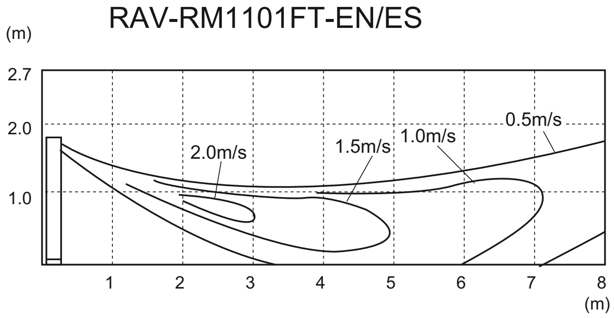
Indoor unit	Outer diameter of refrigerant pipe	
	Gas side DIA A	Liquid side DIA B
RM56 type	12.7	6.4
RM80 ~ 160 type	15.9	9.5

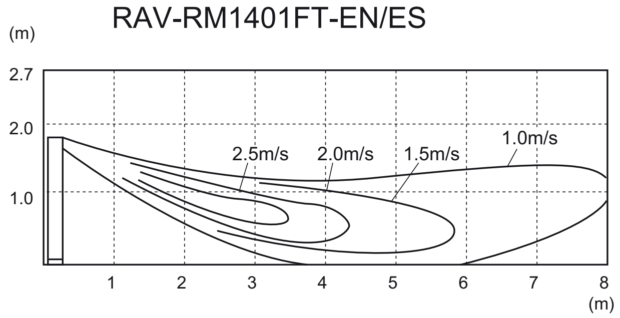
2-8-4. Air flow distance chart

Air flow distance chart



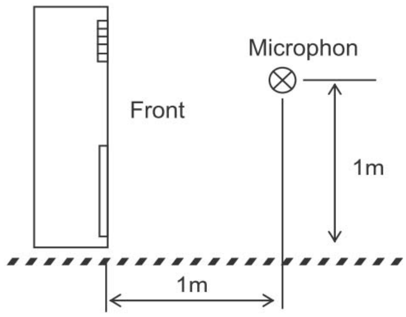






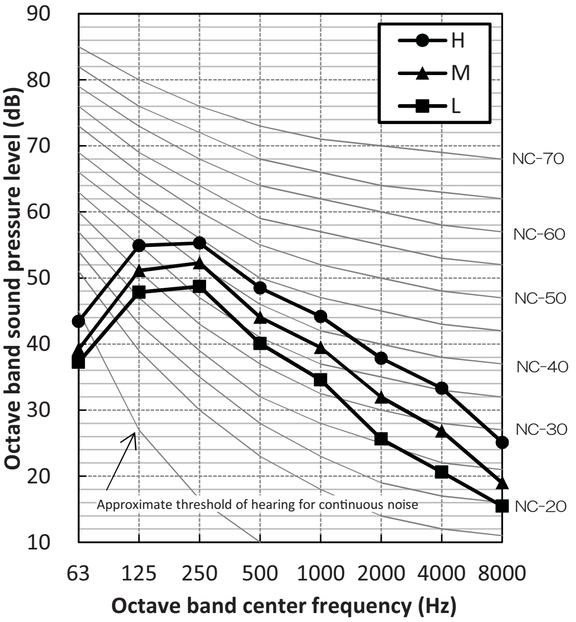
2-8-5. Sound data

NC Curve



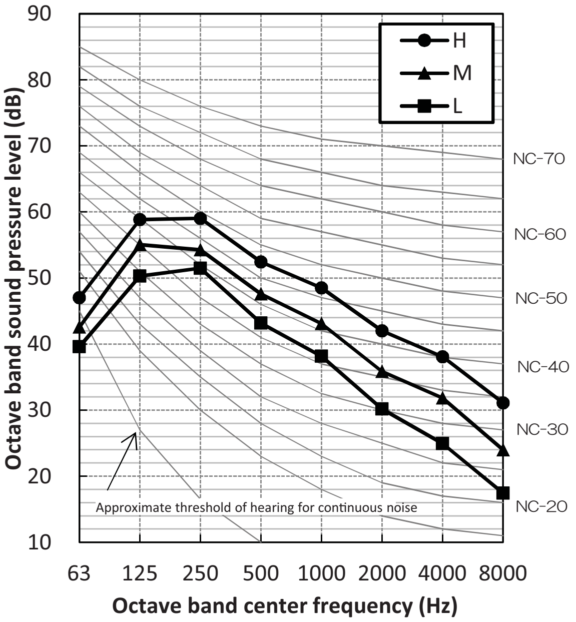
RAV-RM561FT-EN/ES

Fan tap	H	M	L
Sound pressure (dBA)	46	42	38



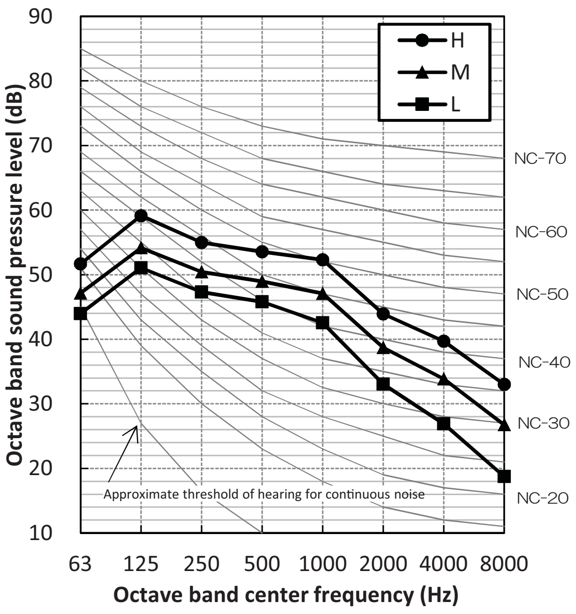
RAV-RM801FT-EN/ES

Fan tap	H	M	L
Sound pressure (dBA)	50	45	41



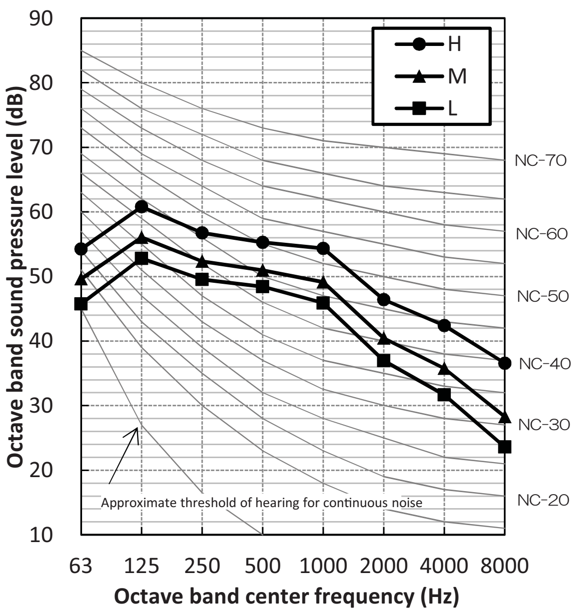
RAV-RM1101FT-EN/ES

Fan tap	H	M	L
Sound pressure (dBA)	51	46	41



RAV-RM1401FT-EN/ES

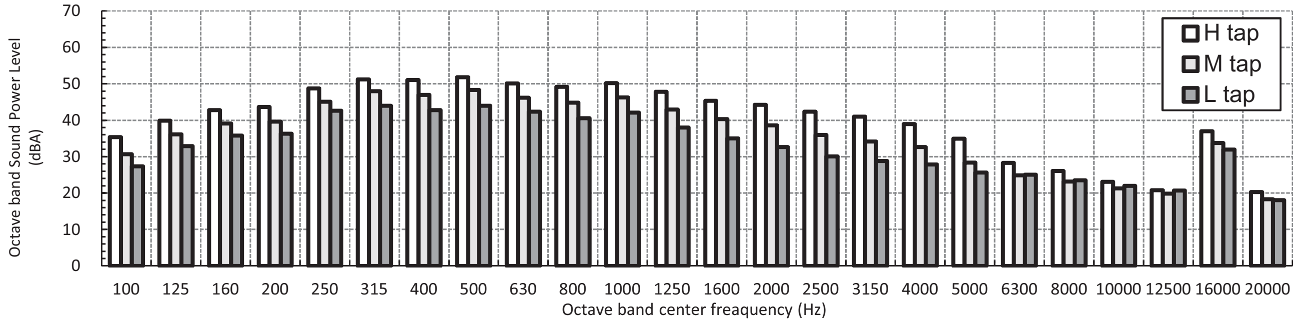
Fan tap	H	M	L
Sound pressure (dBA)	53	48	45



Sound power spectrum

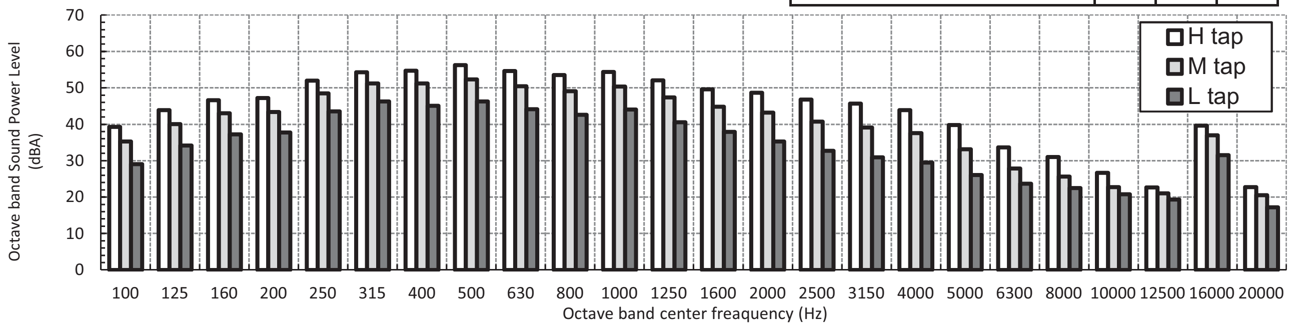
RAV-RM561FT-EN/ES

FAN tap	H	M	L
Sound power level (dB(A))	60	56	52



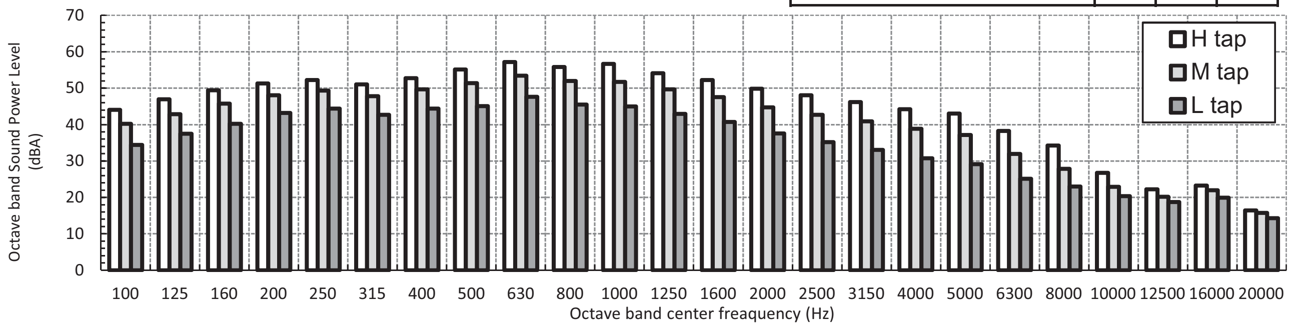
RAV-RM801FT-EN/ES

FAN tap	H	M	L
Sound power level (dB(A))	64	60	54



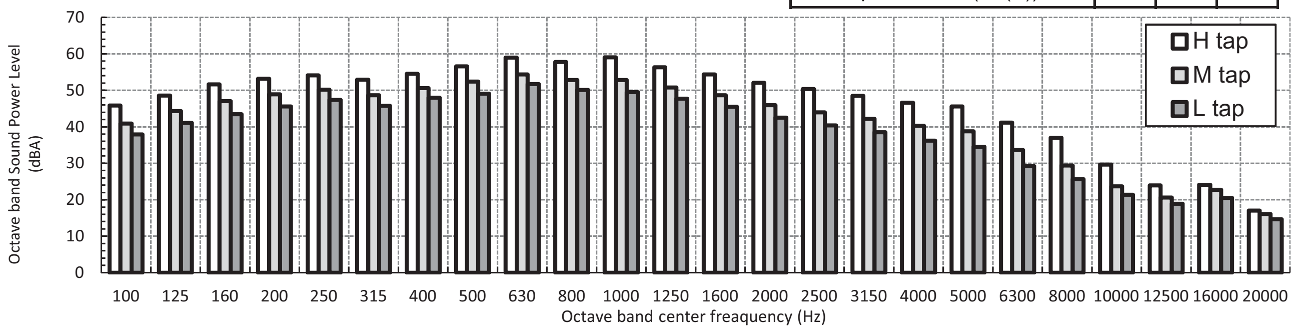
RAV-RM1101FT-EN/ES

FAN tap	H	M	L
Sound power level (dB(A))	65	61	55



RAV-RM1401FT-EN/ES

FAN tap	H	M	L
Sound power level (dB(A))	67	62	59



Toshiba Carrier Corporation