

Residential Inverter Heat Pump R32

SHORAI

Indoor Units

RAS-B25G3KVSG(B)-ND

RAS-B35G3KVSG(B)-ND

RAS-B50G3KVSG-ND

Outdoor Units

RAS-25G3AVSG-ND

RAS-35G3AVSG-ND

RAS-50G3AVSG-ND

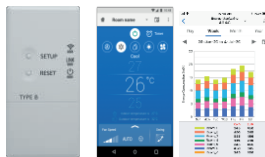
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1. Line up

Indoor Unit	Outdoor Unit	Model Name		Capacity Rank
		FCU	CDU	
		RAS-B25G3KVSG-ND	RAS-25G3AVSG-ND	10k
		RAS-B35G3KVSG-ND	RAS-35G3AVSG-ND	13k
		RAS-B50G3KVSG-ND	RAS-50G3AVSG-ND	18k

Indoor Unit	Outdoor Unit	Model Name		Capacity Rank
		FCU	CDU	
		RAS-B25G3KVSGB-ND	RAS-25G3AVSG-ND	10k
		RAS-B35G3KVSGB-ND	RAS-35G3AVSG-ND	13k

Accessories		Indoor unit
	Remote controller White : WH-TA15PE (packed with unit)	RAS-B25G3KVSG-ND RAS-B35G3KVSG-ND RAS-B50G3KVSG-ND
	Remote controller Black : WH-UD05UE (packed with unit)	RAS-B25G3KVSGB-ND RAS-B35G3KVSGB-ND
	Wireless adapter for white FCU RB-N105S-G Application Toshiba Home AC control	

2. Specifications

System	Size		10k	13k
	Indoor	White	RAS-B25G3KVSG-ND	RAS-B35G3KVSG-ND
		Black	RAS-B25G3KVSGB-ND	RAS-B35G3KVSGB-ND
	Outdoor		RAS-25G3AVSG-ND	RAS-35G3AVSG-ND
Power supply (V/Ph/Hz)			220 - 240 / 1 / 50	
Cooling	Capacity (kW)	2.8	3.5	
	Power Consumption (kW)	0.63	0.85	
	EER	4.44	4.12	
	PdesignC (kW)	2.80	3.50	
	SEER	7.70	7.30	
	Indoor Noise (H/M/L/Q) (dB)	42/35/25/19	43/35/25/19	
	Outdoor Noise (dB)	45	47	
	Indoor Air Flow m³/hr	690	730	
Heating	Capacity (kW)	3.2	4.2	
	Power Consumption (kW)	0.65	0.92	
	COP	4.92	4.57	
	PdesignH (Tbiv -10°C) (kW)	2.70	3.60	
	SCOP	5.10	5.10	
	Indoor Noise (H/M/L/Q) (dB)	45/36/25/19	45/36/25/19	
	Outdoor Noise (dB)	48	48	
	Indoor Air Flow m³/min	820	840	
FCU	Dimensions	H x W x D (mm)	293 x 800 x 226	
		Net Weight (kg)	10	10
CDU	Dimensions	H x W x D (mm)	550 x 780 x 290	
		Net Weight (kg)	33	33
Pipe	Chargeless (m)	15	15	
	Maximum Length (m)	20	20	
	Maximum Height (m)	12	12	
	Refrigerant	R32		
	Refrigerant amount (kg)	0.76	0.76	
Energy Label		Cooling / Heating	A++/A+++	A++/A+++
Useble Range Temperature		Cooling (°C)	Indoor: 21 ~ 32 °C , Outdoor: (-15) ~ 46 °C	
		Heating (°C)	Indoor: 0 ~ 28 °C , Outdoor: (-25) ~ 24 °C	

For performance when each indoor unit is combined with other unit, refer to the separate table.

* The specifications may be subject to change without notice for purpose of improvement.

Cooling : Capacity test condition, inside : 27 °C (Db) / 19 °C (Wb), outside : 35 °C (Db) / 24 °C (Wb)

Heating : Capacity test condition, inside : 20 °C (Db), outside : 7 °C (Db) / 6°C (Wb)

Piping length : 5 m per Indoor Unit.

System	Size		18k
	Indoor	White	RAS-B50G3KVSG-ND
	Outdoor		RAS-50G3AVSG-ND
Power supply		(V/Ph/Hz)	220 - 240 / 1 / 50
Cooling	Capacity	(kW)	5.0
	Power Consumption	(kW)	1.42
	EER		3.52
	PdesignC	(kW)	5.00
	SEER		7.00
	Indoor Noise (H/M/L/Q)	(dB)	45/37/31/26
	Outdoor Noise	(dB)	49
	Indoor Air Flow	m³/hr	1030
Heating	Capacity	(kW)	6.0
	Power Consumption	(kW)	1.42
	COP		4.00
	PdesignH (Tbiv -10°C)	(kW)	5.00
	SCOP		4.60
	Indoor Noise (H/M/L/Q)	(dB)	47/37/31/26
	Outdoor Noise	(dB)	52
	Indoor Air Flow	m³/hr	1170
FCU	Dimensions	H x W x D (mm)	320 x 1053 x 245
		Net Weight (kg)	16
CDU	Dimensions	H x W x D (mm)	710 x 900 x 320
		Net Weight (kg)	56
Pipe	Chargeless	(m)	30
	Maximum Length	(m)	30
	Maximum Height	(m)	12
	Refrigerant		R32
	Refrigerant amount	(kg)	0.76
Energy Label		Cooling / Heating	A++ / A++
Useble Range Temperature		Cooling (°C)	Indoor: 21 ~ 32 °C , Outdoor: (-15) ~ 46 °C
		Heating (°C)	Indoor: 0 ~ 28 °C , Outdoor: (-25) ~ 24 °C

For performance when each indoor unit is combined with other unit, refer to the separate table.

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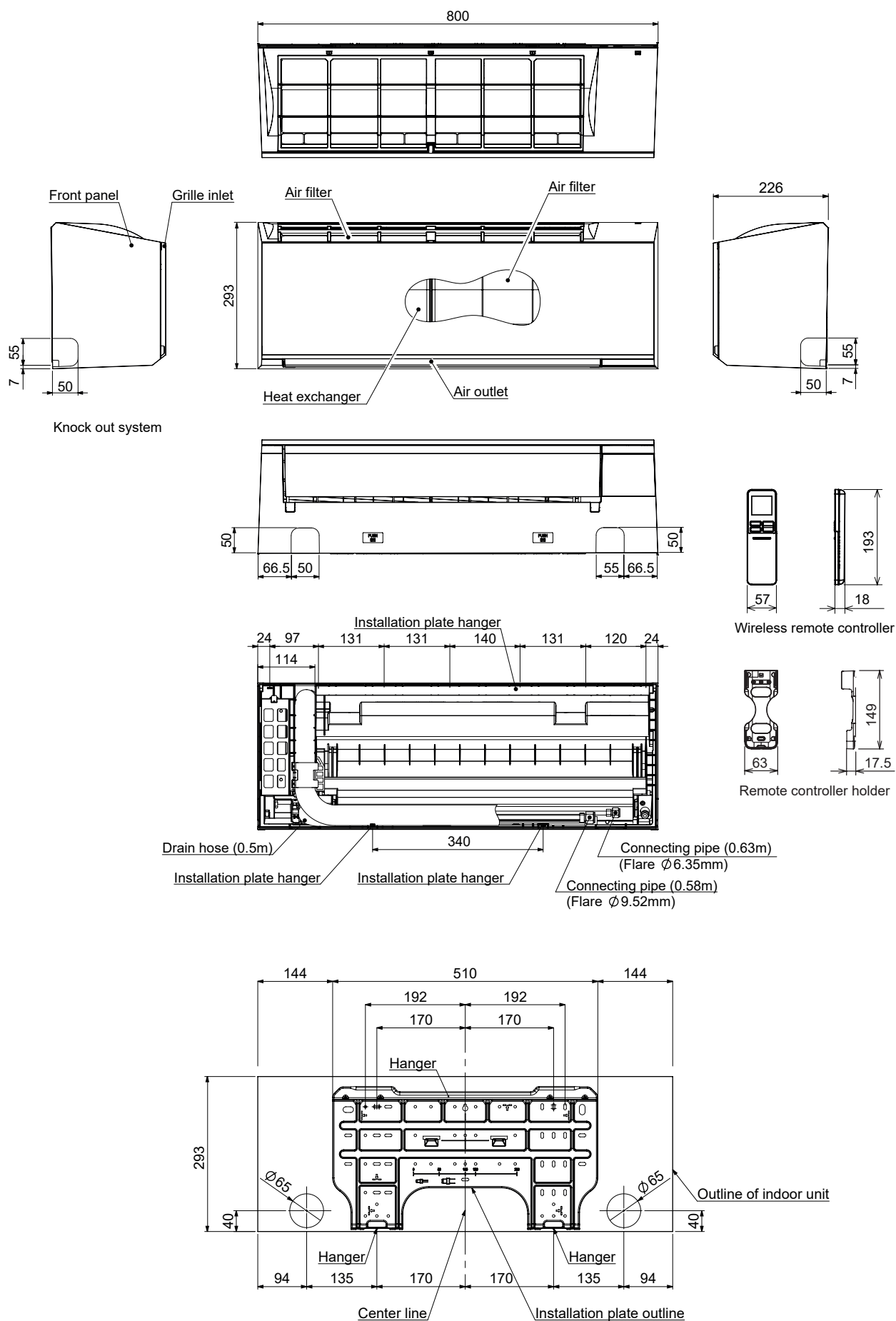
Cooling : Capacity test condition, inside : 27 °C (Db) / 19 °C (Wb), outside : 35 °C (Db) / 24 °C (Wb)

Heating : Capacity test condition, inside : 20 °C (Db), outside : 7 °C (Db) / 6 °C (Wb)

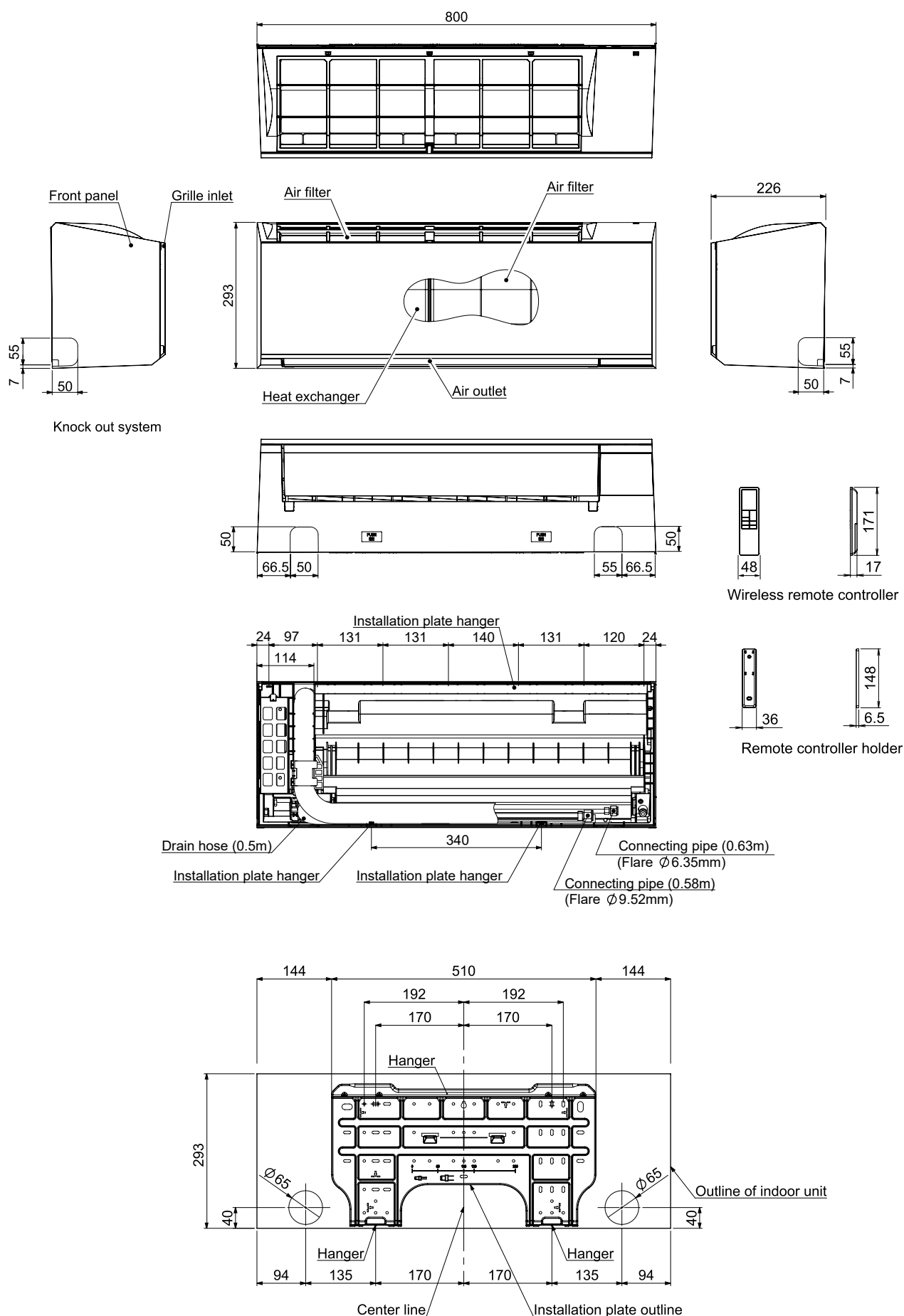
Piping length : 5 m per Indoor Unit.

3. Dimension

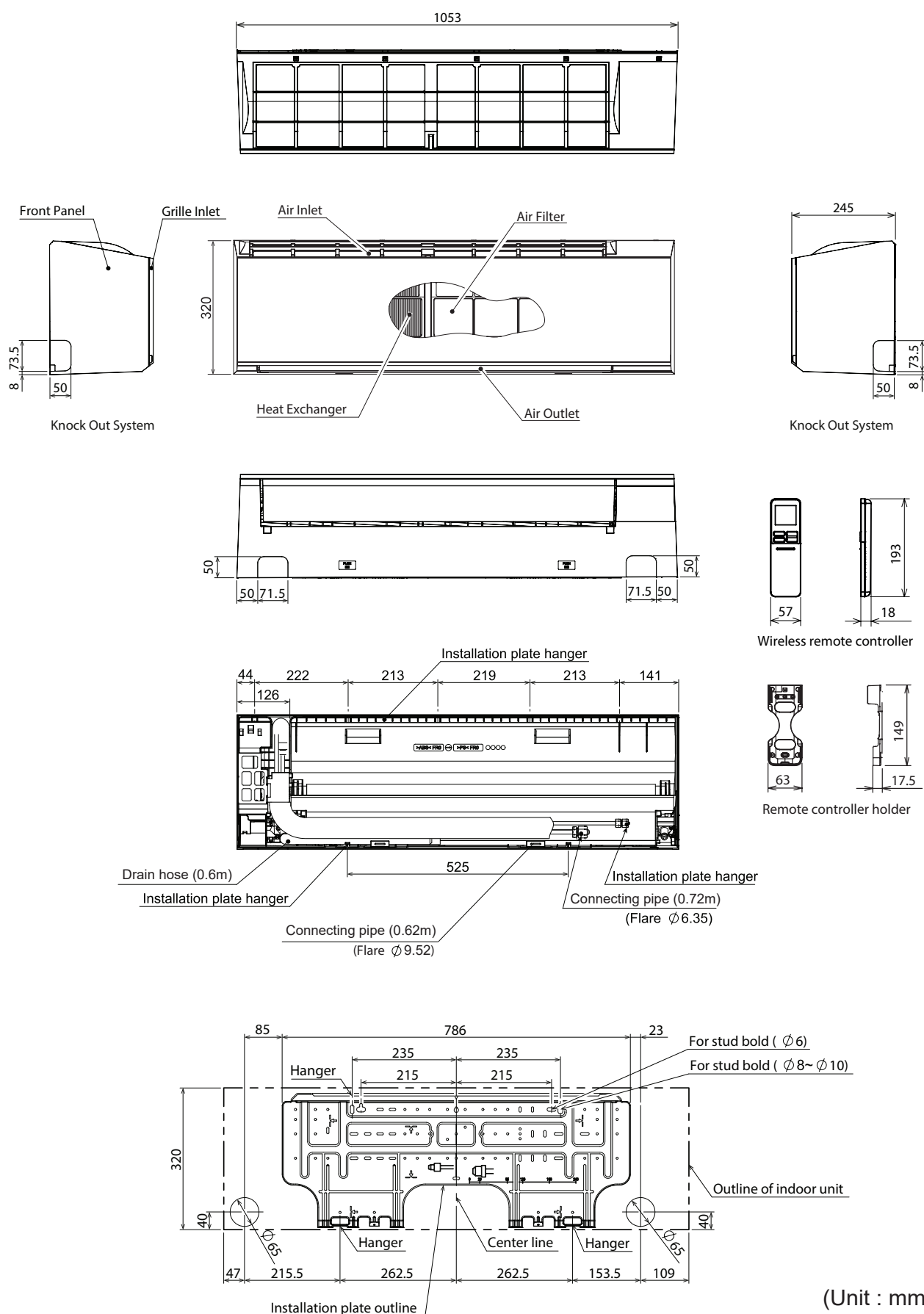
Indoor Unit (white) : RAS-B*_G3KVSG-ND (25 , 35)



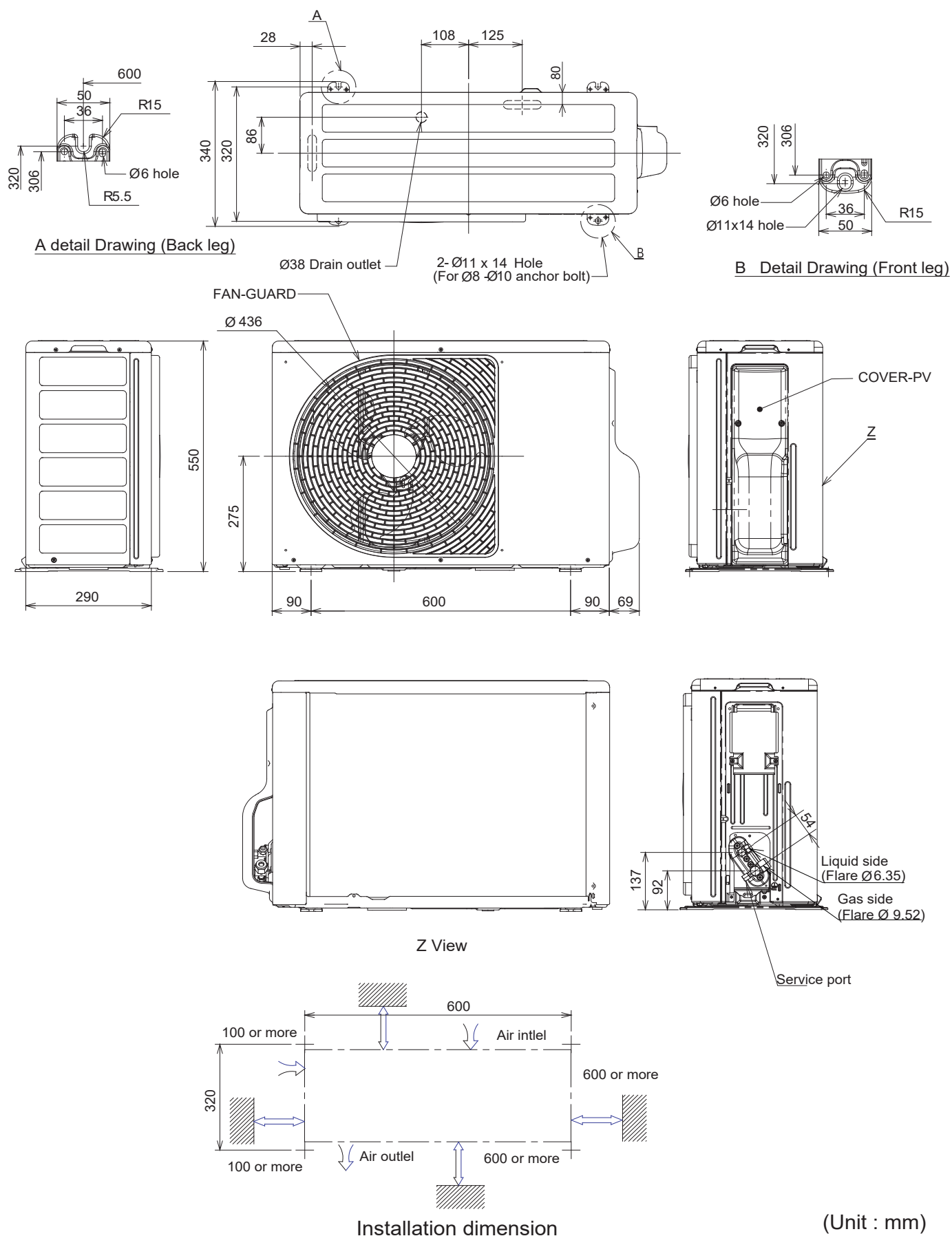
Indoor Unit (black) : RAS-B*_G3KVSGB-ND (25 , 35)



Indoor Unit : RAS-B50G3KVSG-ND

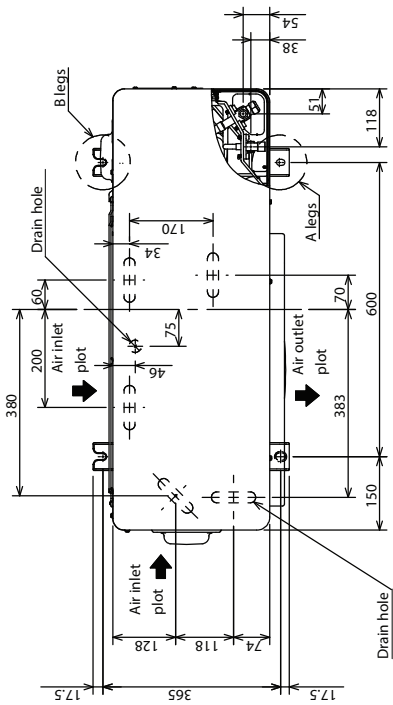
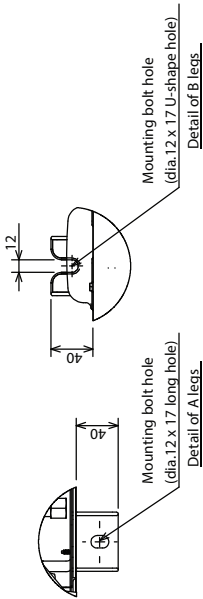


Outdoor Unit : RAS-*__G3AVSG-ND (25 , 35)



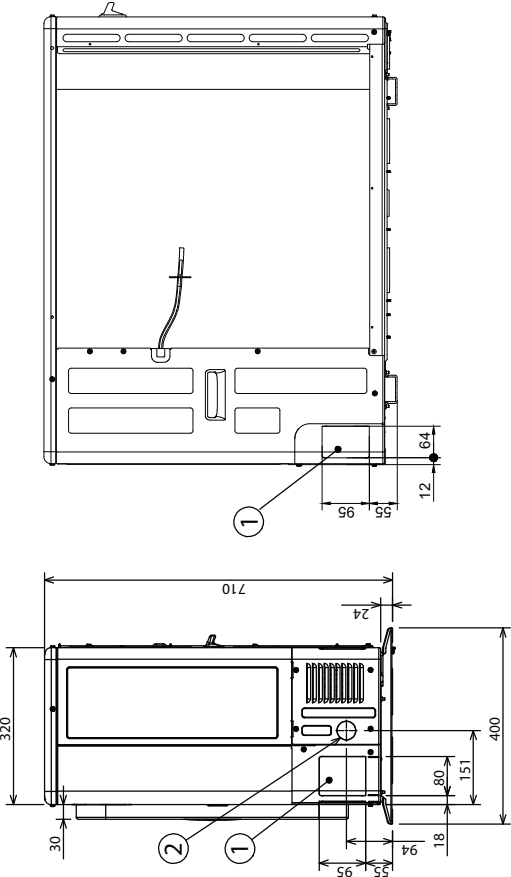
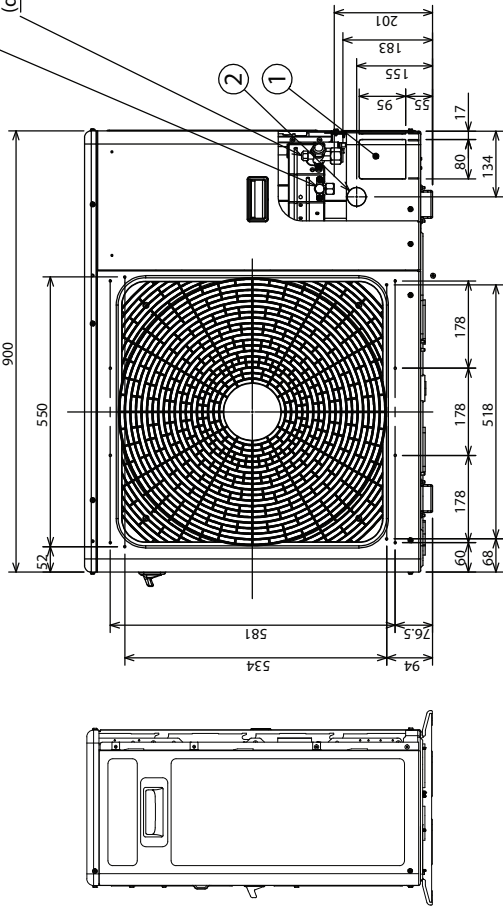
Outdoor Unit : RAS-50G3AVSG-ND

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



Refrigerant pipe
connecting port
(dia. 6.35 flare at liquid side)

Refrigerant pipe
connecting port
(dia. 9.52 flare at gas side)

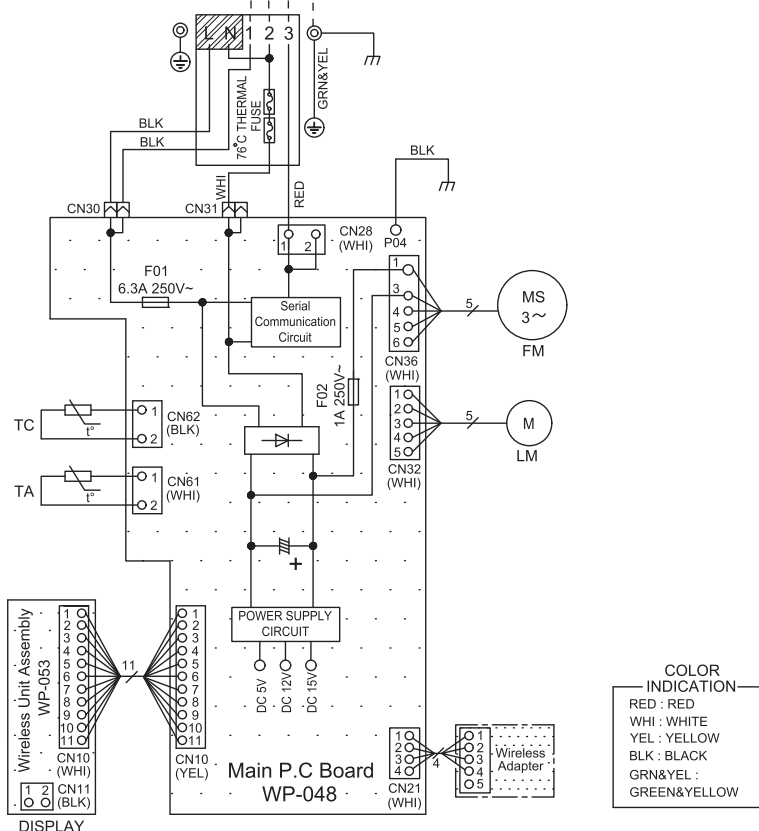
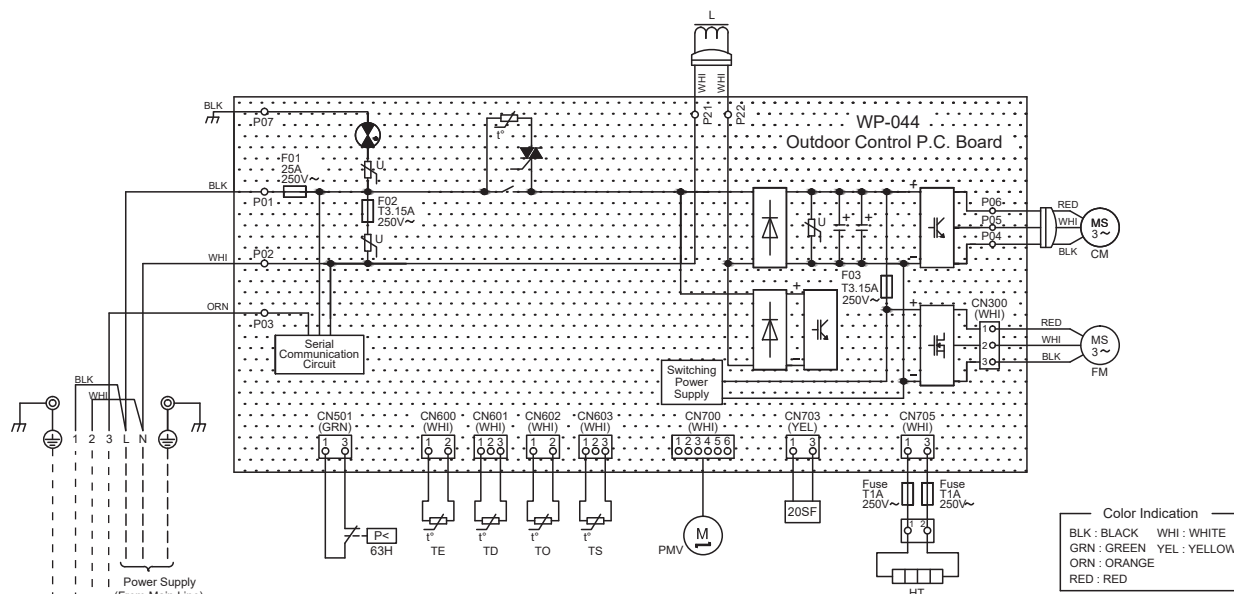


(Unit : mm)

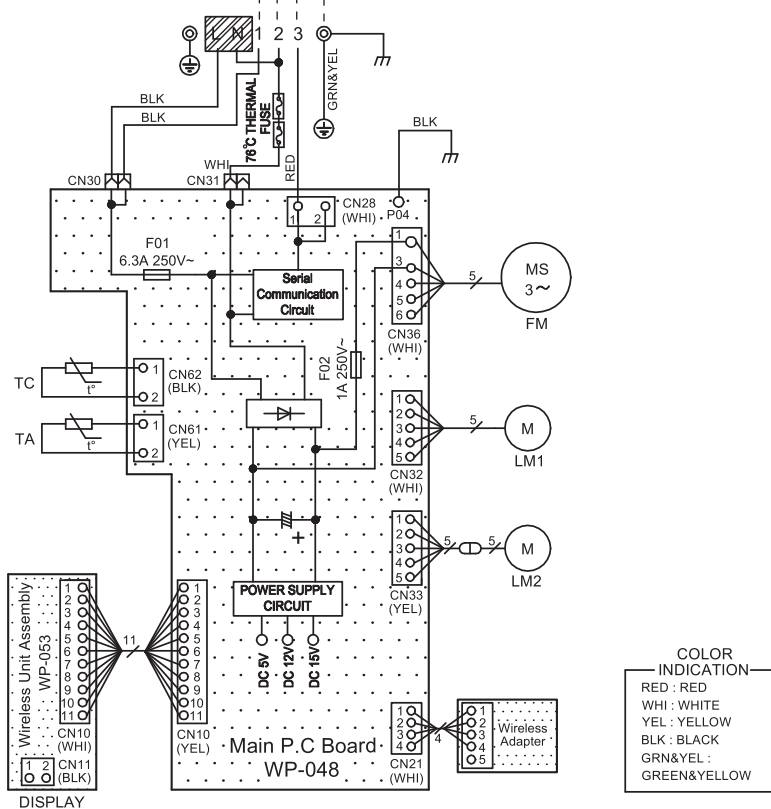
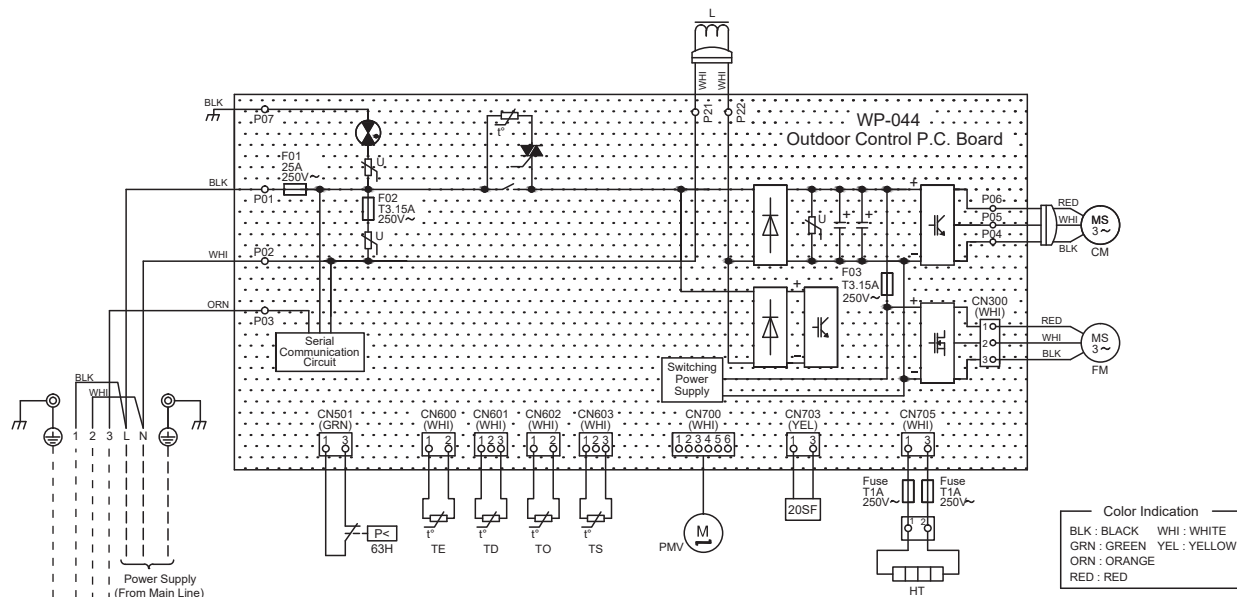
4. Wiring diagrams

RAS-B25G3KVSG-ND ; RAS-25G3AVSG-ND

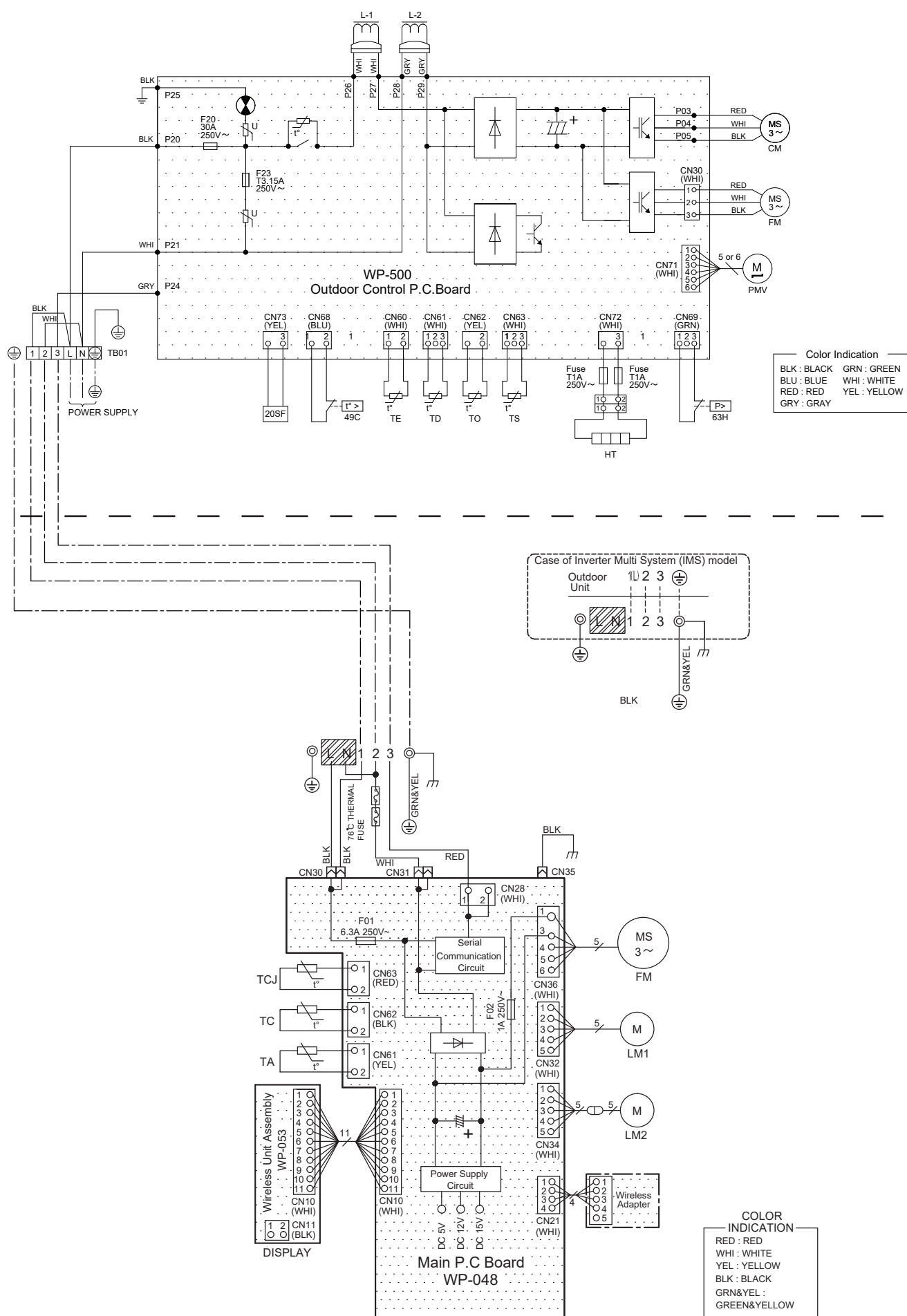
RAS-B35G3KVSG-ND ; RAS-35G3AVSG-ND



RAS-B25G3KVSGB-ND ; RAS-25G3AVSG-ND
RAS-B35G3KVSGB-ND ; RAS-35G3AVSG-ND

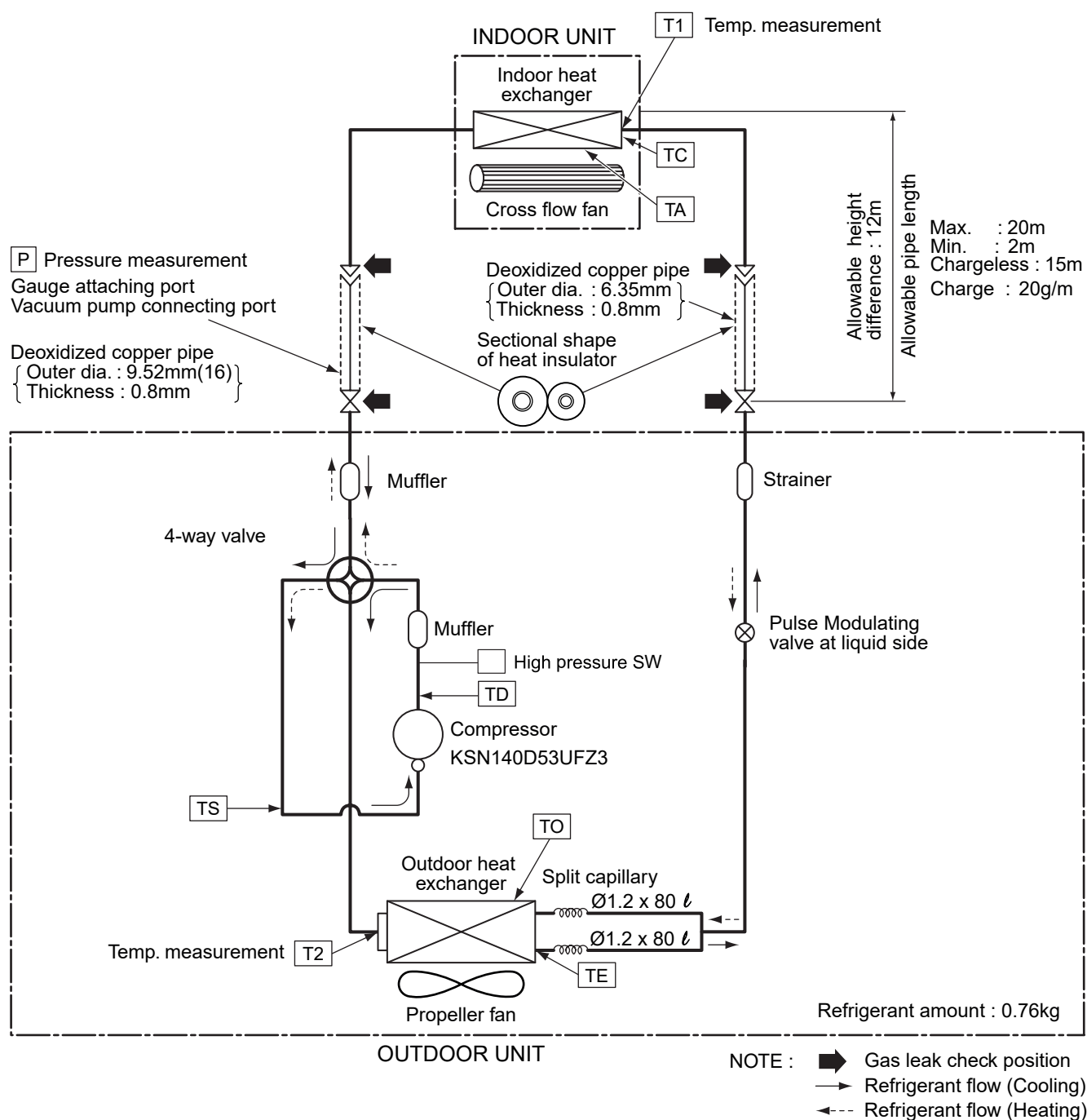


RAS-B50G3KVSG-ND ; RAS-50G3AVSG-ND



5. Refrigerant Cycle Diagram

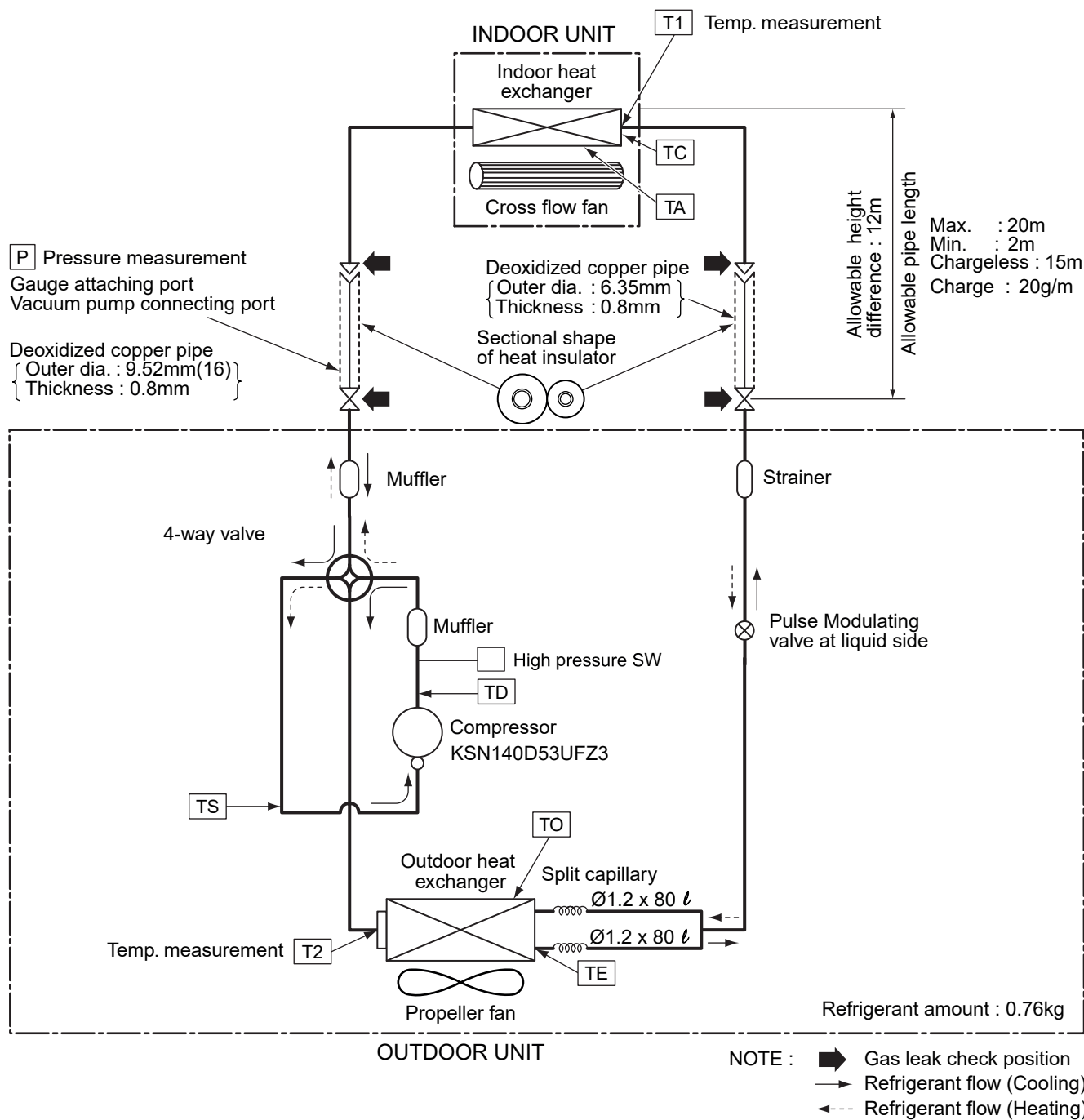
RAS-B25G3KVSG(B)-ND ; RAS-25G3AVSG-ND



NOTE :

- The maximum pipe length of this air conditioner is 15 m. When the pipe length exceeds 15 m, the additional charging of refrigerant, 20 g per 1m for the part of pipe exceeded 15m is required. (Max. 100g)

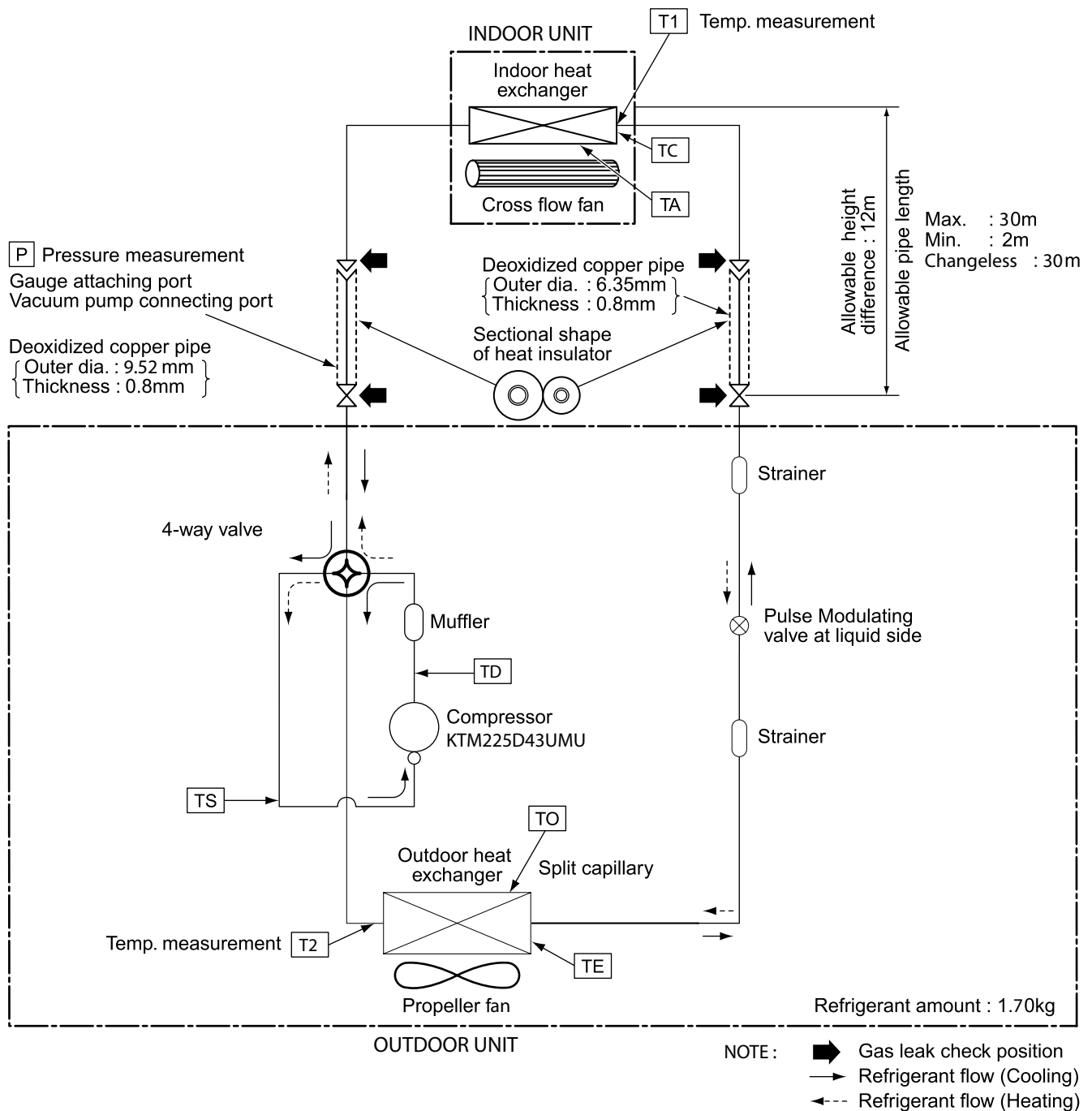
RAS-B35G3KVSG(B)-ND ; RAS-35G3AVSG-ND



NOTE :

- The maximum pipe length of this air conditioner is 15 m. When the pipe length exceeds 15 m, the additional charging of refrigerant, 20 g per 1m for the part of pipe exceeded 15m is required. (Max. 100g)

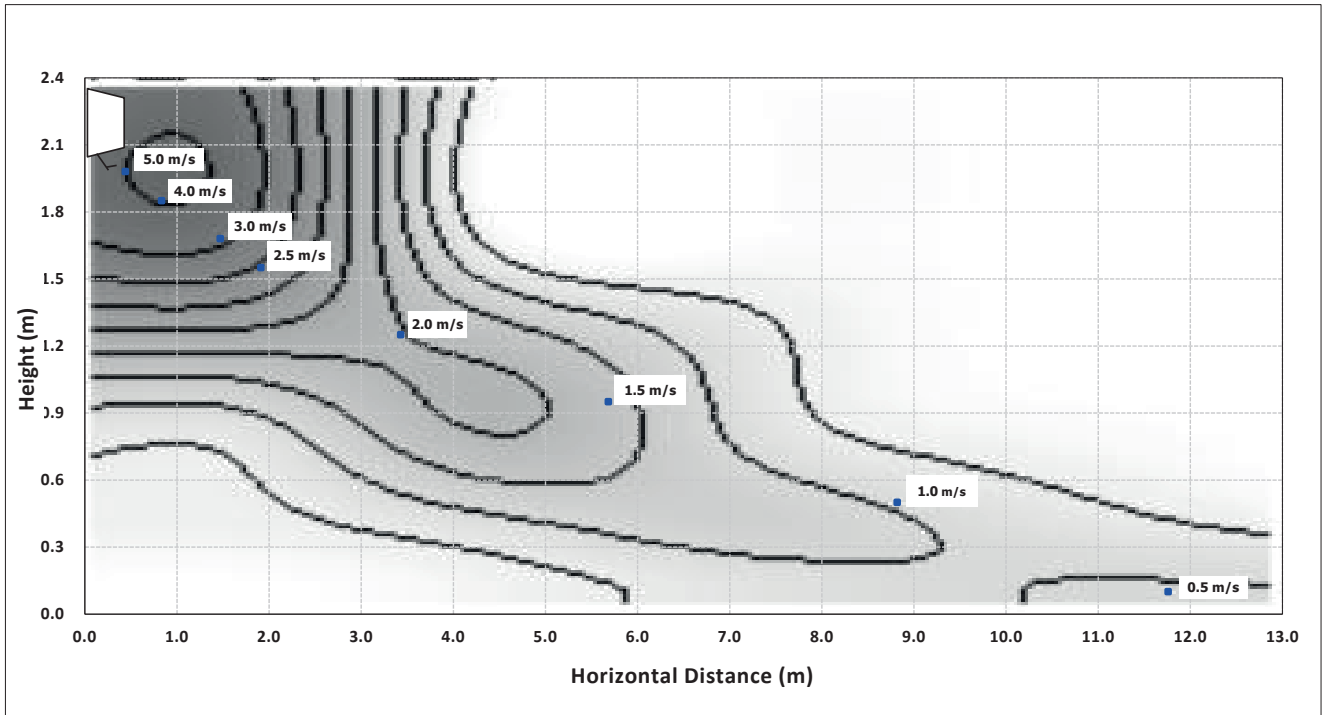
RAS-B50G3KVSG-ND ; RAS-50G3AVSG-ND



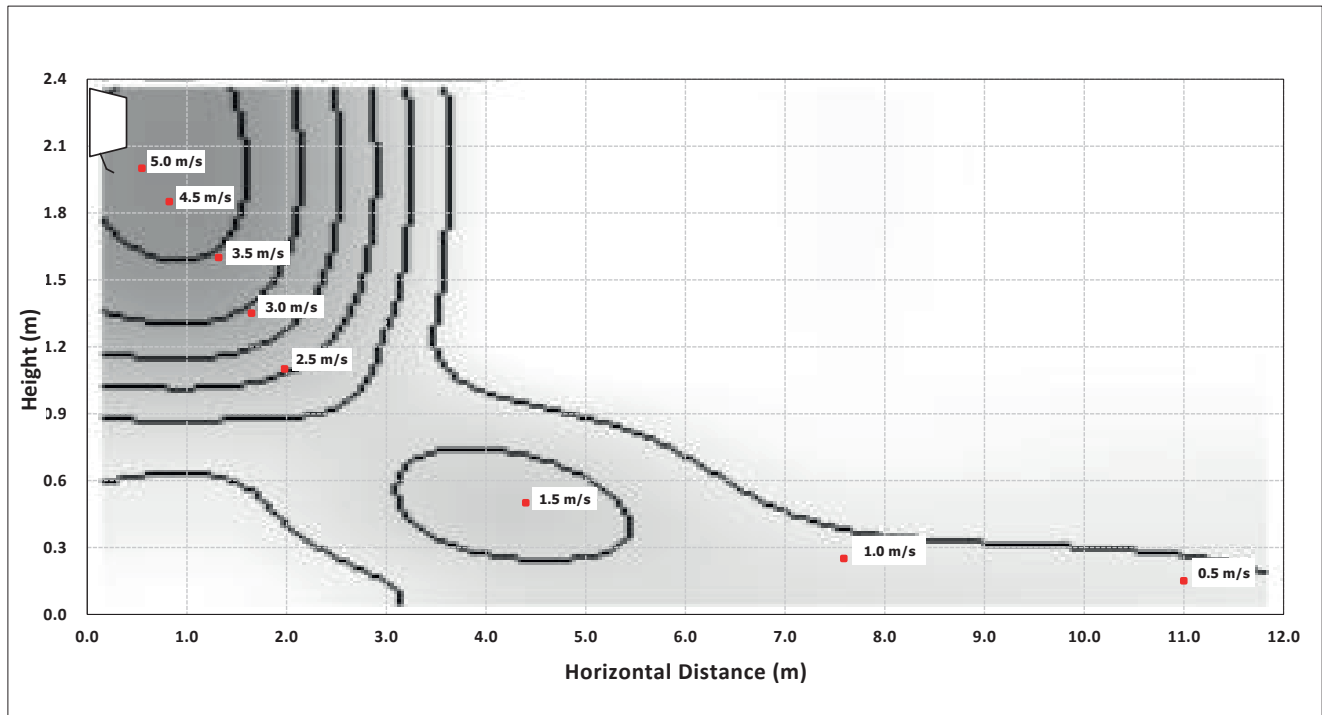
6. Air Speed Distribution

RAS-B25G3KVSG-ND

Cooling

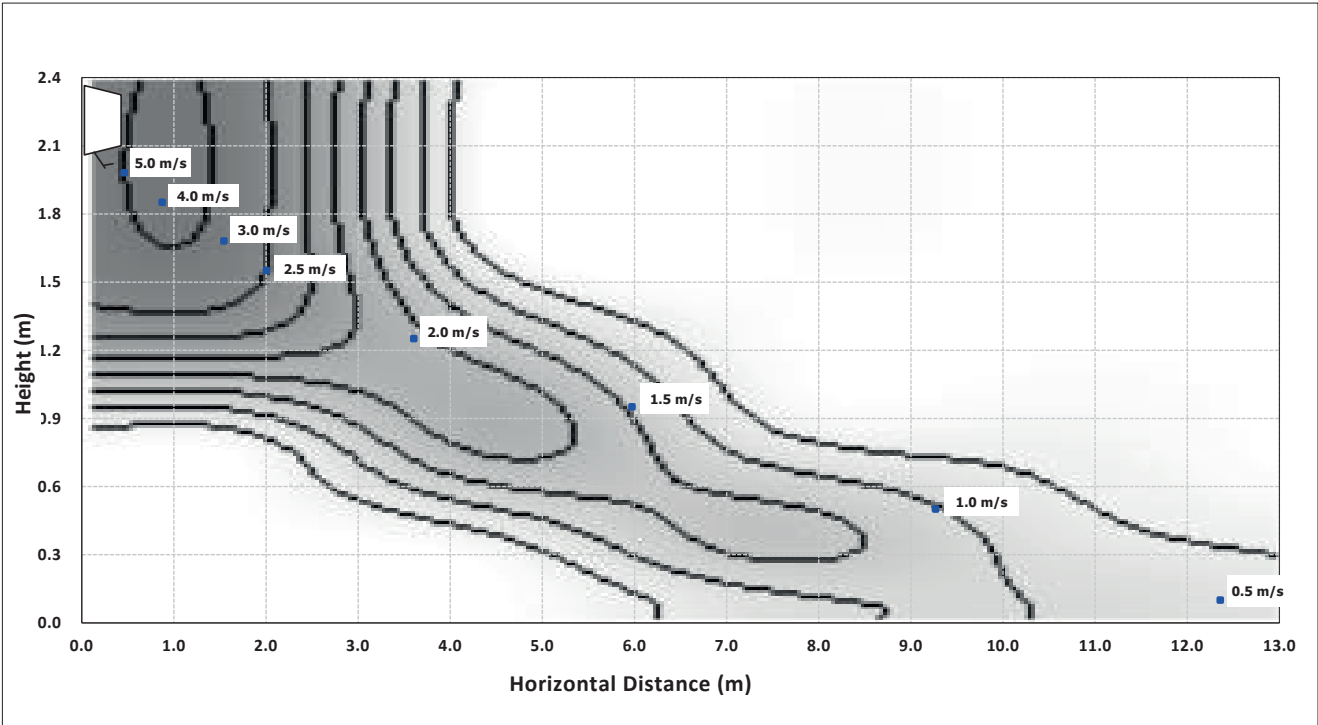


Heating

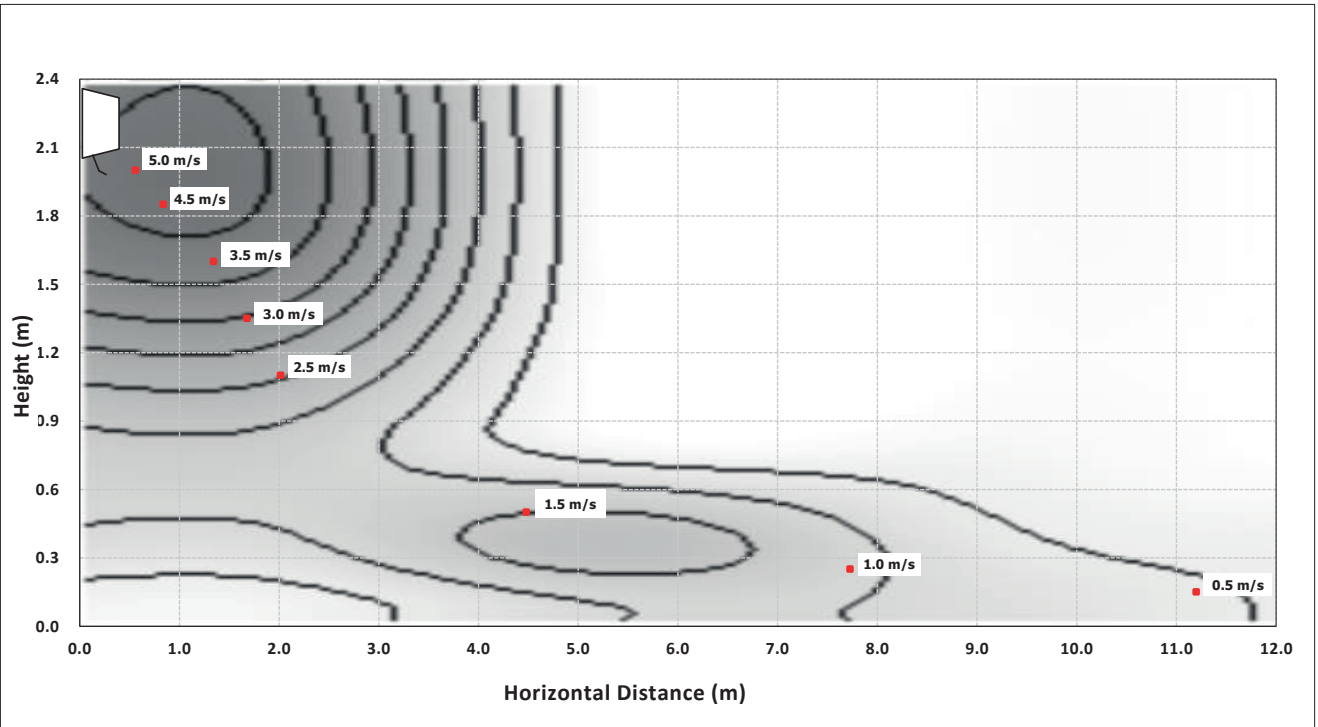


RAS-B35G3KVSG-ND

Cooling

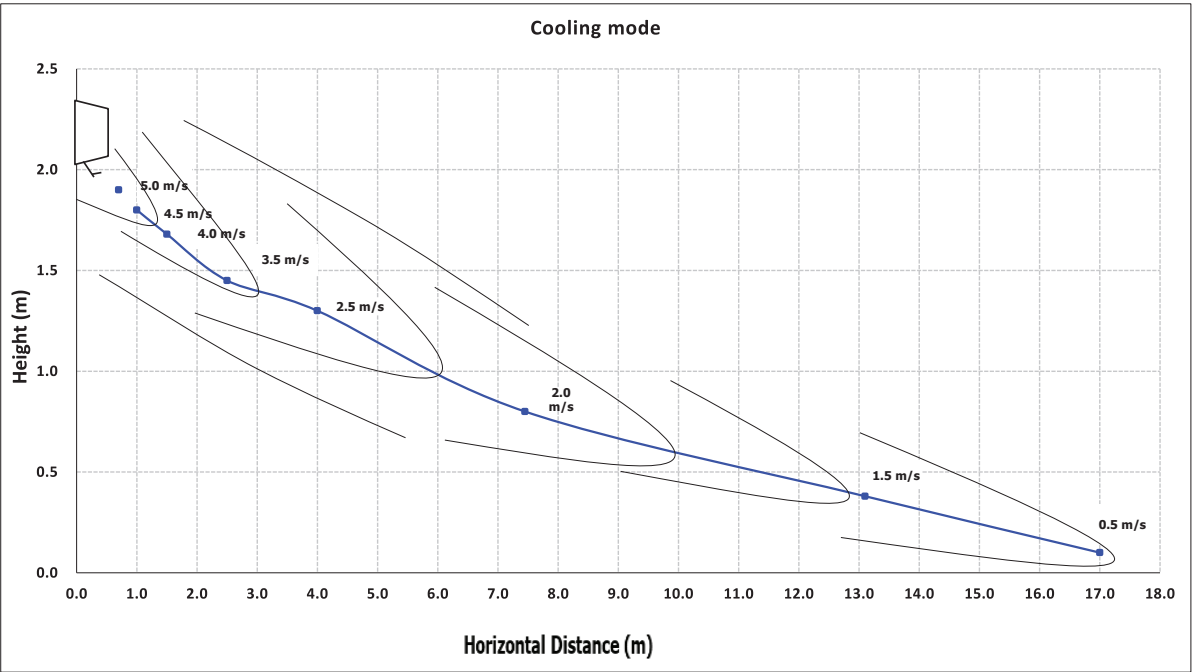


Heating

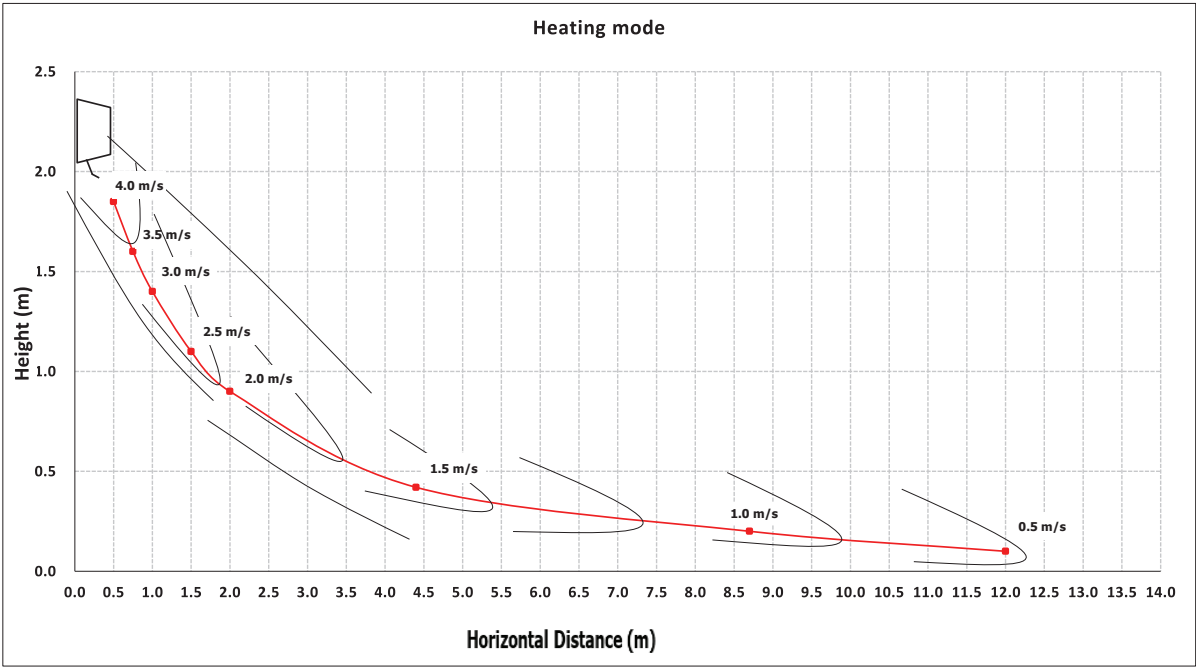


RAS-B50G3KVSG-ND

Cooling



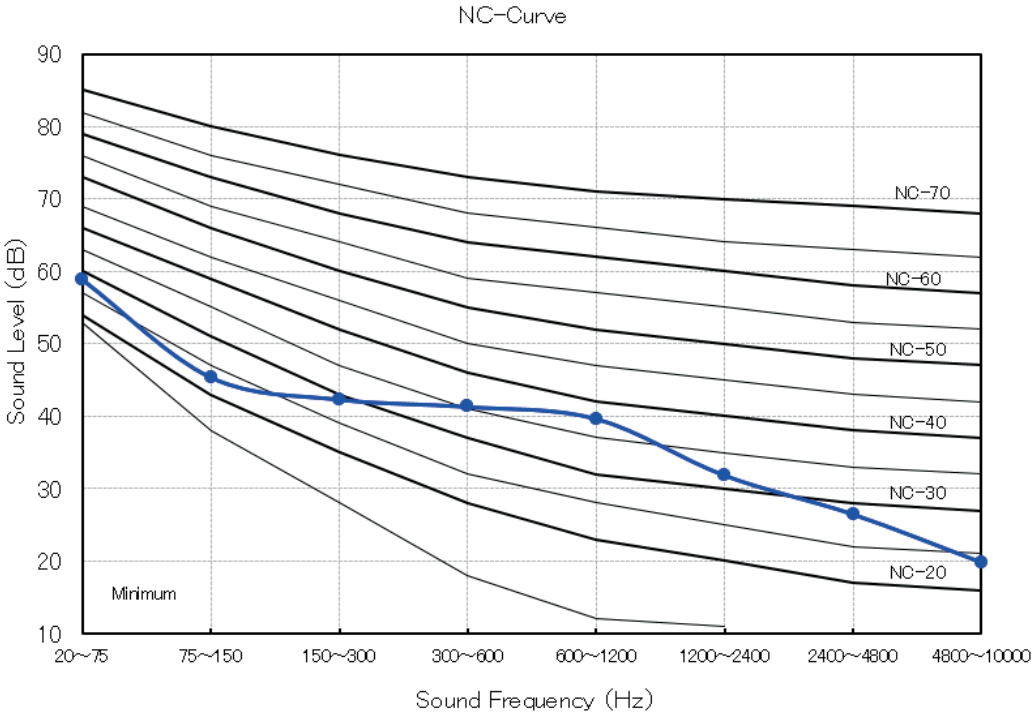
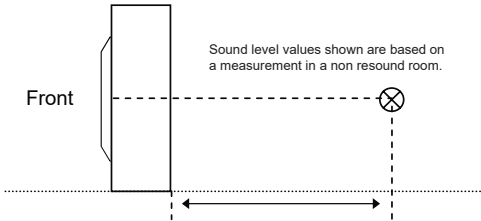
Heating



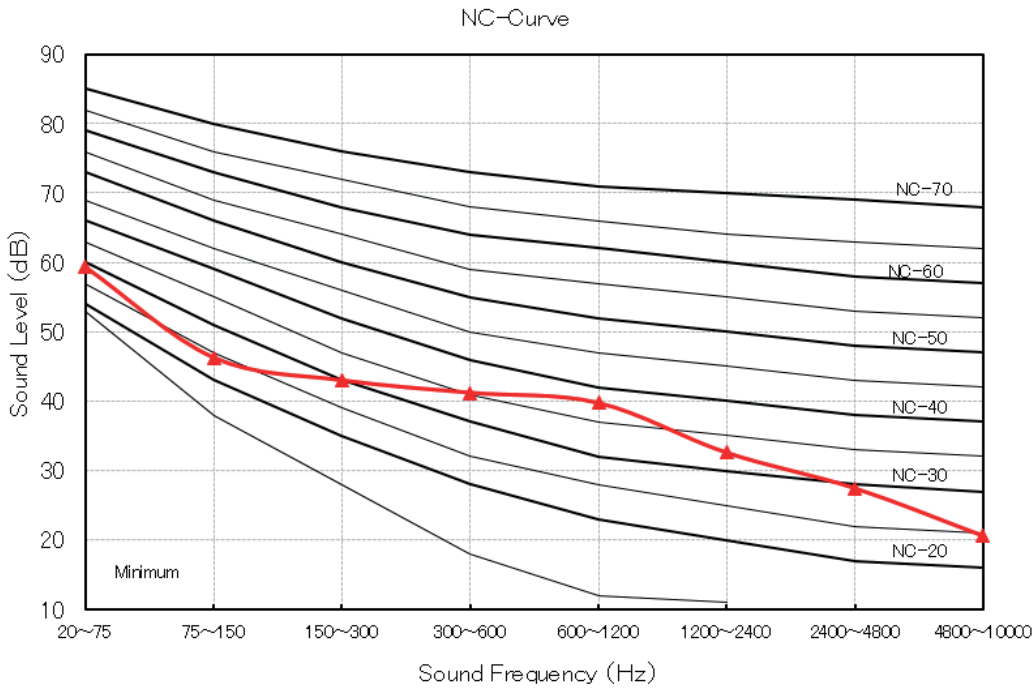
7. Sound Characteristics (NC Curve)

RAS-25G3AVSG-ND

Measured point	Specification
	Cooling
Horizontal 1.0 m	45



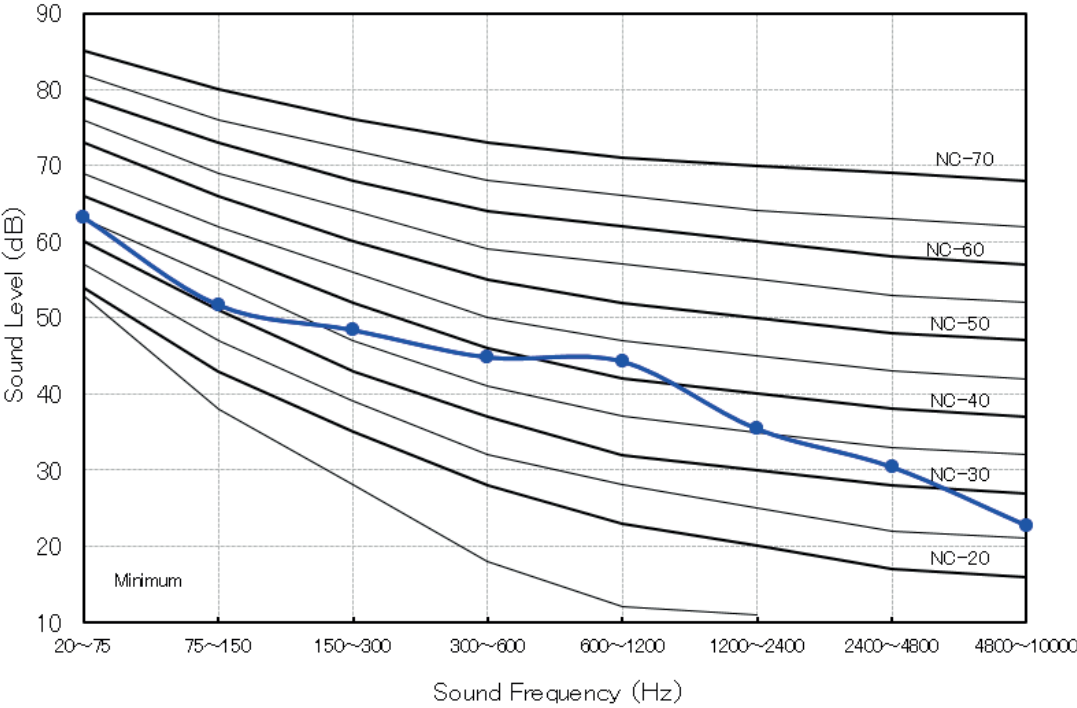
Measured point	Specification
	Heating
Horizontal 1.0 m	48



RAS-35G3AVSG-ND

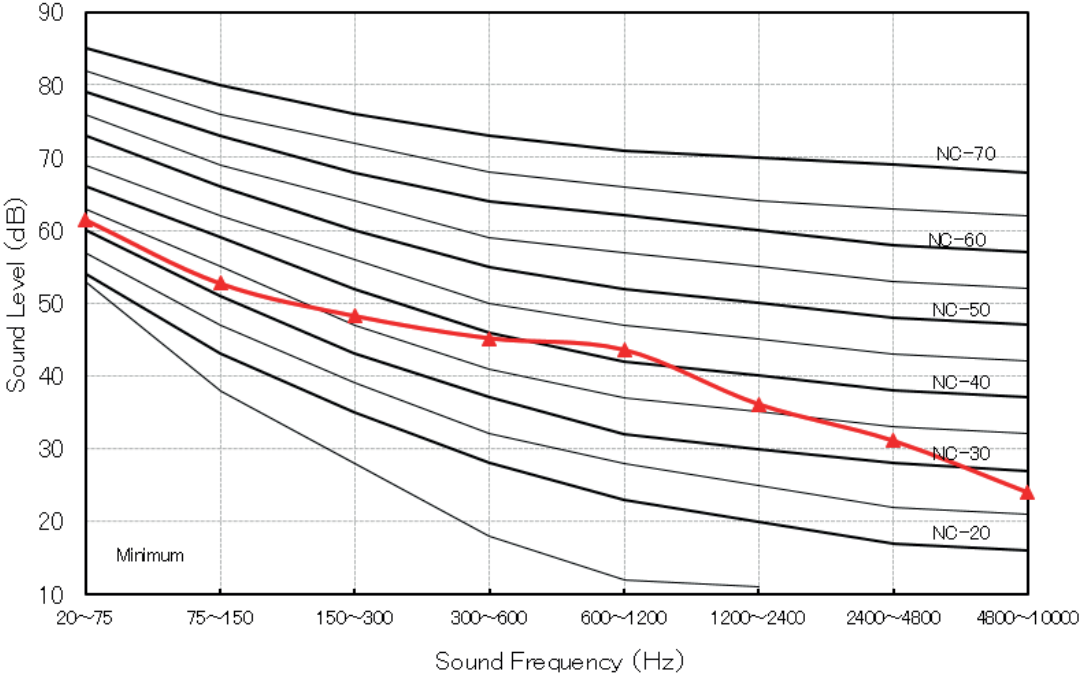
Measured point	Specification
	Cooling
Horizontal 1.0 m	47

NC-Curve



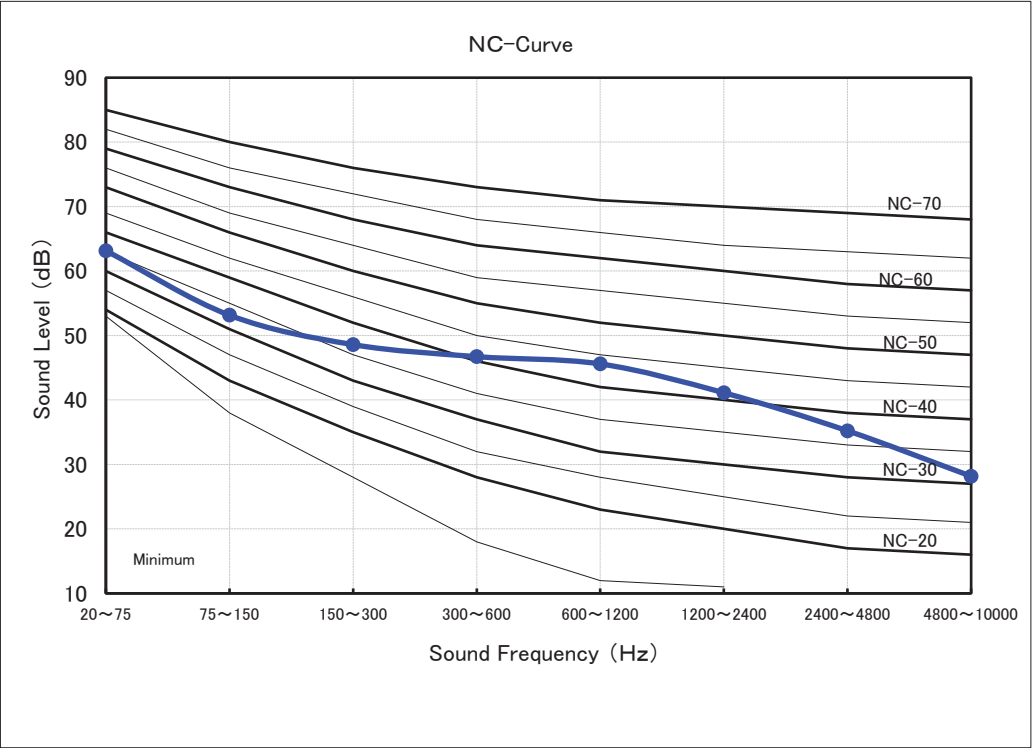
Measured point	Specification
	Heating
Horizontal 1.0 m	48

NC-Curve

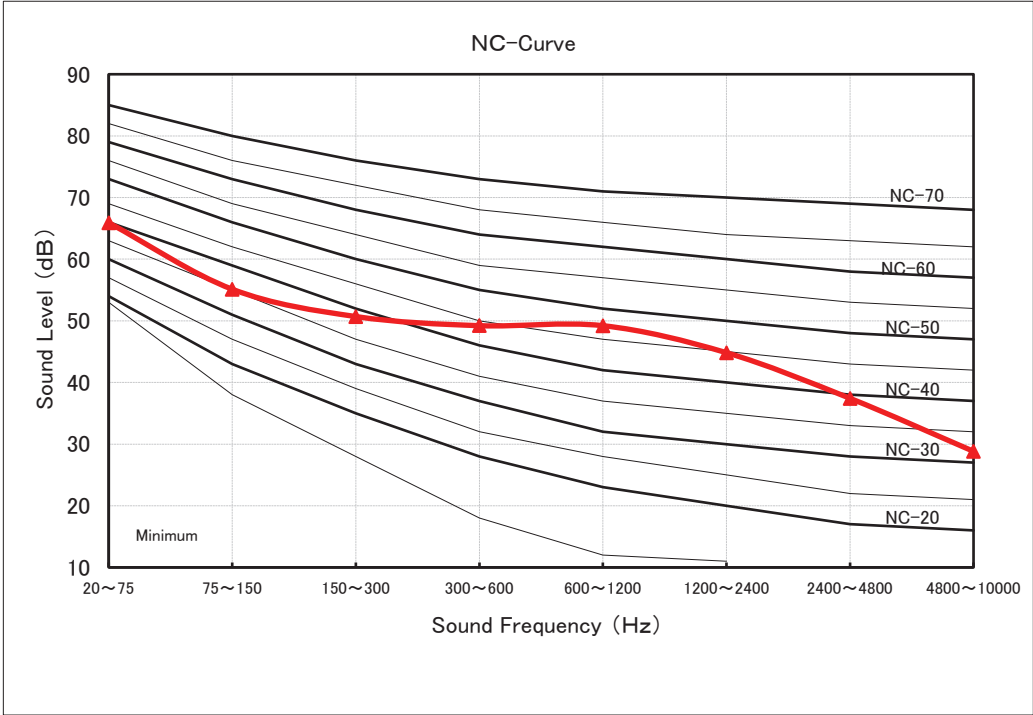


RAS-50G3AVSG-ND

Measured point	Specification
	Cooling
Horizontal 1.0 m	49



Measured point	Specification
	Heating
Horizontal 1.0 m	52



8. Capacity Table

RAS-B25G3KVSG(B)-ND ; RAS-25G3AVSG-ND

Specification of product at standard condition

Standard Condition	Indoor	27°C (DB) / 19°C (WB)	Total Cooling Capacity (TC)	2.80 kW
	Outdoor	35°C (DB) / 24°C (WB)	Sensible Heat Capacity (SHC)	2.40 kW

Outdoor air temperature DB (°C)	Indoor air temperature													
	20.0°C (DB) 14.0°C (WB)		23.0°C (DB) 16.0°C (WB)		26.0°C (DB) 18.0°C (WB)		27.0°C (DB) 19.0°C (WB)		28.0°C (DB) 20.0°C (WB)		30.0°C (DB) 22.0°C (WB)		32.0°C (DB) 24.0°C (WB)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
20	2.74	2.52	3.03	2.69	3.24	2.86	3.34	2.86	3.43	2.87	3.64	2.85	3.80	2.81
21	2.71	2.49	3.00	2.66	3.21	2.83	3.30	2.83	3.40	2.84	3.60	2.82	3.76	2.78
22	2.68	2.46	2.96	2.63	3.17	2.80	3.27	2.80	3.36	2.80	3.56	2.79	3.72	2.75
23	2.65	2.44	2.93	2.60	3.14	2.77	3.23	2.77	3.32	2.77	3.52	2.76	3.68	2.72
24	2.62	2.41	2.90	2.57	3.10	2.74	3.20	2.74	3.29	2.74	3.48	2.73	3.64	2.69
25	2.60	2.38	2.87	2.55	3.07	2.71	3.16	2.71	3.25	2.71	3.44	2.70	3.60	2.66
26	2.57	2.36	2.83	2.52	3.03	2.68	3.12	2.68	3.21	2.68	3.40	2.67	3.56	2.63
27	2.54	2.33	2.80	2.49	3.00	2.65	3.09	2.65	3.18	2.65	3.36	2.64	3.52	2.60
28	2.51	2.30	2.77	2.46	2.96	2.61	3.05	2.62	3.14	2.62	3.32	2.61	3.48	2.57
29	2.48	2.27	2.74	2.43	2.93	2.58	3.02	2.58	3.10	2.59	3.28	2.58	3.44	2.54
30	2.45	2.25	2.70	2.40	2.89	2.55	2.98	2.55	3.06	2.56	3.25	2.55	3.39	2.51
31	2.42	2.22	2.67	2.37	2.86	2.52	2.94	2.52	3.03	2.53	3.21	2.52	3.35	2.48
32	2.39	2.19	2.64	2.34	2.82	2.49	2.91	2.49	2.99	2.50	3.17	2.48	3.31	2.45
33	2.36	2.17	2.61	2.31	2.79	2.46	2.87	2.46	2.95	2.46	3.13	2.45	3.27	2.42
34	2.33	2.14	2.57	2.28	2.75	2.43	2.84	2.43	2.92	2.43	3.09	2.42	3.23	2.39
35	2.30	2.11	2.54	2.26	2.72	2.40	2.80	2.40	2.88	2.40	3.05	2.39	3.19	2.36
36	2.27	2.08	2.51	2.23	2.69	2.37	2.76	2.37	2.84	2.37	3.01	2.36	3.15	2.33
37	2.24	2.06	2.47	2.20	2.65	2.34	2.73	2.34	2.81	2.34	2.97	2.33	3.11	2.30
38	2.21	2.03	2.44	2.17	2.62	2.31	2.69	2.31	2.77	2.31	2.93	2.30	3.07	2.27
39	2.18	2.00	2.41	2.14	2.58	2.28	2.66	2.28	2.73	2.28	2.89	2.27	3.03	2.24
40	2.15	1.98	2.38	2.11	2.55	2.25	2.62	2.25	2.70	2.25	2.85	2.24	2.99	2.21
41	2.12	1.95	2.34	2.08	2.51	2.21	2.58	2.22	2.66	2.22	2.82	2.21	2.94	2.18
42	2.09	1.92	2.31	2.05	2.48	2.18	2.55	2.18	2.62	2.19	2.78	2.18	2.90	2.15
43	2.06	1.89	2.28	2.02	2.44	2.15	2.51	2.15	2.58	2.16	2.74	2.15	2.86	2.12
44	2.03	1.87	2.25	2.00	2.41	2.12	2.48	2.12	2.55	2.13	2.70	2.12	2.82	2.09
45	2.00	1.84	2.21	1.97	2.37	2.09	2.44	2.09	2.51	2.09	2.66	2.09	2.78	2.06
46	1.98	1.81	2.18	1.94	2.34	2.06	2.40	2.06	2.47	2.06	2.62	2.05	2.74	2.02

RAS-B35G3KVSG(B)-ND ; RAS-35G3AVSG-ND

Specification of product at standard condition

Standard Condition	Indoor	27°C (DB) / 19°C (WB)	Total Cooling Capacity (TC)	3.50 kW
	Outdoor	35°C (DB) / 24°C (WB)	Sensible Heat Capacity (SHC)	3.00 kW

Outdoor air temperature DB (°C)	Indoor air temperature													
	20.0°C (DB) 14.0°C (WB)		23.0°C (DB) 16.0°C (WB)		26.0°C (DB) 18.0°C (WB)		27.0°C (DB) 19.0°C (WB)		28.0°C (DB) 20.0°C (WB)		30.0°C (DB) 22.0°C (WB)		32.0°C (DB) 24.0°C (WB)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
20	3.43	3.15	3.79	3.36	4.05	3.58	4.17	3.58	4.29	3.58	4.55	3.57	4.76	3.51
21	3.39	3.11	3.75	3.33	4.01	3.54	4.13	3.54	4.25	3.54	4.50	3.53	4.70	3.48
22	3.35	3.08	3.70	3.29	3.97	3.50	4.08	3.50	4.20	3.51	4.45	3.49	4.65	3.44
23	3.32	3.05	3.66	3.25	3.92	3.46	4.04	3.46	4.15	3.47	4.40	3.45	4.60	3.40
24	3.28	3.01	3.62	3.22	3.88	3.42	3.99	3.42	4.11	3.43	4.35	3.41	4.55	3.36
25	3.24	2.98	3.58	3.18	3.84	3.38	3.95	3.39	4.06	3.39	4.30	3.37	4.50	3.33
26	3.21	2.94	3.54	3.15	3.79	3.35	3.90	3.35	4.02	3.35	4.25	3.34	4.45	3.29
27	3.17	2.91	3.50	3.11	3.75	3.31	3.86	3.31	3.97	3.31	4.20	3.30	4.40	3.25
28	3.13	2.88	3.46	3.07	3.71	3.27	3.81	3.27	3.92	3.27	4.16	3.26	4.35	3.21
29	3.10	2.84	3.42	3.04	3.66	3.23	3.77	3.23	3.88	3.24	4.11	3.22	4.29	3.17
30	3.06	2.81	3.38	3.00	3.62	3.19	3.72	3.19	3.83	3.20	4.06	3.18	4.24	3.14
31	3.02	2.77	3.34	2.96	3.57	3.15	3.68	3.15	3.78	3.16	4.01	3.14	4.19	3.10
32	2.99	2.74	3.30	2.93	3.53	3.11	3.63	3.12	3.74	3.12	3.96	3.11	4.14	3.06
33	2.95	2.71	3.26	2.89	3.49	3.08	3.59	3.08	3.69	3.08	3.91	3.07	4.09	3.02
34	2.91	2.67	3.22	2.86	3.44	3.04	3.54	3.04	3.65	3.04	3.86	3.03	4.04	2.98
35	2.87	2.64	3.17	2.82	3.40	3.00	3.50	3.00	3.60	3.00	3.81	2.99	3.99	2.95
36	2.84	2.61	3.13	2.78	3.36	2.96	3.46	2.96	3.55	2.97	3.76	2.95	3.94	2.91
37	2.80	2.57	3.09	2.75	3.31	2.92	3.41	2.92	3.51	2.93	3.71	2.91	3.89	2.87
38	2.76	2.54	3.05	2.71	3.27	2.88	3.37	2.88	3.46	2.89	3.67	2.88	3.83	2.83
39	2.73	2.50	3.01	2.67	3.23	2.85	3.32	2.85	3.42	2.85	3.62	2.84	3.78	2.80
40	2.69	2.47	2.97	2.64	3.18	2.81	3.28	2.81	3.37	2.81	3.57	2.80	3.73	2.76
41	2.65	2.44	2.93	2.60	3.14	2.77	3.23	2.77	3.32	2.77	3.52	2.76	3.68	2.72
42	2.62	2.40	2.89	2.57	3.09	2.73	3.19	2.73	3.28	2.73	3.47	2.72	3.63	2.68
43	2.58	2.37	2.85	2.53	3.05	2.69	3.14	2.69	3.23	2.70	3.42	2.68	3.58	2.64
44	2.54	2.33	2.81	2.49	3.01	2.65	3.10	2.65	3.18	2.66	3.37	2.64	3.53	2.61
45	2.51	2.30	2.77	2.46	2.96	2.61	3.05	2.62	3.14	2.62	3.32	2.61	3.48	2.57
46	2.47	2.27	2.73	2.42	2.92	2.58	3.01	2.58	3.09	2.58	3.27	2.57	3.42	2.53

RAS-B50G3KVSG-ND ; RAS-50G3AVSG-ND

Specification of product at standard condition

Standard Condition	Indoor	27°C (DB) / 19°C (WB)	Total Cooling Capacity (TC)	5.00 kW
	Outdoor	35°C (DB) / 24°C (WB)	Sensible Heat Capacity (SHC)	3.50 kW

Outdoor air temperature DB (°C)	Indoor air temperature													
	20.0°C (DB) 14.0°C (WB)		23.0°C (DB) 16.0°C (WB)		26.0°C (DB) 18.0°C (WB)		27.0°C (DB) 19.0°C (WB)		28.0°C (DB) 20.0°C (WB)		30.0°C (DB) 22.0°C (WB)		32.0°C (DB) 24.0°C (WB)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
20	4.90	3.73	5.41	3.95	5.79	4.20	5.96	4.17	6.13	4.15	6.49	4.07	6.79	3.95
21	4.84	3.69	5.35	3.91	5.73	4.15	5.90	4.13	6.07	4.11	6.43	4.03	6.72	3.91
22	4.79	3.65	5.29	3.87	5.67	4.11	5.83	4.08	6.00	4.06	6.36	3.99	6.65	3.87
23	4.74	3.61	5.23	3.83	5.60	4.06	5.77	4.04	5.94	4.02	6.29	3.94	6.57	3.83
24	4.69	3.57	5.18	3.78	5.54	4.02	5.71	3.99	5.87	3.98	6.22	3.90	6.50	3.78
25	4.63	3.53	5.12	3.74	5.48	3.97	5.64	3.95	5.80	3.93	6.15	3.85	6.43	3.74
26	4.58	3.49	5.06	3.70	5.42	3.93	5.58	3.90	5.74	3.89	6.08	3.81	6.35	3.70
27	4.53	3.45	5.00	3.66	5.36	3.88	5.51	3.86	5.67	3.84	6.01	3.77	6.28	3.66
28	4.48	3.41	4.94	3.61	5.29	3.84	5.45	3.81	5.61	3.80	5.94	3.72	6.21	3.61
29	4.42	3.37	4.88	3.57	5.23	3.79	5.39	3.77	5.54	3.75	5.87	3.68	6.14	3.57
30	4.37	3.33	4.83	3.53	5.17	3.75	5.32	3.72	5.47	3.71	5.80	3.64	6.06	3.53
31	4.32	3.29	4.77	3.49	5.11	3.70	5.26	3.68	5.41	3.66	5.73	3.59	5.99	3.48
32	4.27	3.24	4.71	3.44	5.04	3.66	5.19	3.63	5.34	3.62	5.66	3.55	5.92	3.44
33	4.21	3.20	4.65	3.40	4.98	3.61	5.13	3.59	5.28	3.57	5.59	3.50	5.84	3.40
34	4.16	3.16	4.59	3.36	4.92	3.57	5.06	3.54	5.21	3.53	5.52	3.46	5.77	3.36
35	4.11	3.12	4.54	3.32	4.86	3.52	5.00	3.50	5.14	3.48	5.45	3.42	5.70	3.31
36	4.05	3.08	4.48	3.27	4.79	3.48	4.94	3.46	5.08	3.44	5.38	3.37	5.62	3.27
37	4.00	3.04	4.42	3.23	4.73	3.43	4.87	3.41	5.01	3.39	5.31	3.33	5.55	3.23
38	3.95	3.00	4.36	3.19	4.67	3.39	4.81	3.37	4.94	3.35	5.24	3.28	5.48	3.19
39	3.90	2.96	4.30	3.15	4.61	3.34	4.74	3.32	4.88	3.30	5.17	3.24	5.40	3.14
40	3.84	2.92	4.24	3.10	4.55	3.30	4.68	3.28	4.81	3.26	5.10	3.20	5.33	3.10
41	3.79	2.88	4.19	3.06	4.48	3.25	4.62	3.23	4.75	3.22	5.03	3.15	5.26	3.06
42	3.74	2.84	4.13	3.02	4.42	3.20	4.55	3.19	4.68	3.17	4.96	3.11	5.18	3.02
43	3.69	2.80	4.07	2.98	4.36	3.16	4.49	3.14	4.61	3.13	4.89	3.07	5.11	2.97
44	3.63	2.76	4.01	2.93	4.30	3.11	4.42	3.10	4.55	3.08	4.82	3.02	5.04	2.93
45	3.58	2.72	3.95	2.89	4.23	3.07	4.36	3.05	4.48	3.04	4.75	2.98	4.97	2.89
46	3.53	2.68	3.90	2.85	4.17	3.02	4.29	3.01	4.42	2.99	4.68	2.93	4.89	2.85

9. Part Load Performance

Indoor : RAS-B25G3KVSG(B)-ND
Outdoor : RAS-25G3AVSG-ND

Single split type

Operation range		Cooling	
		Q	P
MINIMUM	W	1100	220
RATING	W	2800	630
MAXIMUM	W	3500	870

Q : Capacity (kW)
P : Power consumption (kW)

Cooling		Parts Load (%)																			
		100 (Max)		90		80 (Rate)		70		60		50		40		30		20		10	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
Outdoor Temperature DB (°C)																					
20		4174	683	3756	589	3339	495	2922	416	2504	338	2087	259	1670	181	1312	173	1312	173	1312	173
21		4129	695	3716	600	3303	504	2890	424	2477	344	2064	264	1652	184	1298	176	1298	176	1298	176
22		4084	708	3676	610	3267	513	2859	431	2450	350	2042	269	1634	187	1284	179	1284	179	1284	179
23		4039	720	3635	621	3231	522	2827	439	2423	356	2020	273	1616	190	1269	182	1269	182	1269	182
24		3994	733	3595	632	3195	531	2796	446	2396	362	1997	278	1598	194	1255	185	1255	185	1255	185
25		3949	745	3554	643	3159	540	2764	454	2370	368	1975	283	1580	197	1241	188	1241	188	1241	188
26		3904	758	3514	653	3123	549	2733	462	2343	375	1952	287	1562	200	1227	192	1227	192	1227	192
27		3859	770	3473	664	3087	558	2702	469	2316	381	1930	292	1544	204	1213	195	1213	195	1213	195
28		3814	783	3433	675	3052	567	2670	477	2289	387	1907	297	1526	207	1199	198	1199	198	1199	198
29		3770	795	3393	686	3016	576	2639	484	2262	393	1885	302	1508	210	1185	201	1185	201	1185	201
30		3725	808	3352	696	2980	585	2607	492	2235	399	1862	306	1490	214	1171	204	1171	204	1171	204
31		3680	820	3312	707	2944	594	2576	500	2208	405	1840	311	1472	217	1156	207	1156	207	1156	207
32		3635	833	3271	718	2908	603	2544	507	2181	412	1817	316	1454	220	1142	211	1142	211	1142	211
33		3590	845	3231	729	2872	612	2513	515	2154	418	1795	321	1436	223	1128	214	1128	214	1128	214
34		3545	858	3190	739	2836	621	2481	522	2127	424	1772	325	1418	227	1114	217	1114	217	1114	217
35		3500	870	3150	750	2800	630	2450	530	2100	430	1750	330	1400	230	1100	220	1100	220	1100	220
36		3455	882	3110	761	2764	639	2419	538	2073	436	1728	335	1382	233	1086	223	1086	223	1086	223
37		3410	895	3069	772	2728	648	2387	545	2046	442	1705	339	1364	237	1072	226	1072	226	1072	226
38		3365	907	3029	782	2692	657	2356	553	2019	448	1683	344	1346	240	1058	229	1058	229	1058	229
39		3320	920	2988	793	2656	666	2324	560	1992	455	1660	349	1328	243	1044	233	1044	233	1044	233
40		3275	932	2948	804	2620	675	2293	568	1965	461	1638	354	1310	246	1029	236	1029	236	1029	236
41		3231	945	2907	815	2584	684	2261	576	1938	467	1615	358	1292	250	1015	239	1015	239	1015	239
42		3186	957	2867	825	2548	693	2230	583	1911	473	1593	363	1274	253	1001	242	1001	242	1001	242
43		3141	970	2827	836	2513	702	2198	591	1884	479	1570	368	1256	256	987	245	987	245	987	245
44		3096	982	2786	847	2477	711	2167	598	1857	485	1548	373	1238	260	973	248	973	248	973	248
45		3051	995	2746	858	2441	720	2136	606	1831	492	1525	377	1220	263	959	252	959	252	959	252
46		3006	1007	2705	868	2405	729	2104	614	1804	498	1503	382	1202	266	945	255	945	255	945	255

Indoor : RAS-B25G3KVSG(B)-ND

Outdoor : RAS-25G3AVSG-ND

Single split type

Operation range		Heating	
		Q	P
MINIMUM	W	1000	200
RATING	W	3200	650
MAXIMUM	W	7200	2400

Q : Capacity (kW)

P : Power consumption (kW)

Heating	P : Power consumption (kW)																			
Outdoor Temperature DB (°C)	Parts Load (%)																			
	100 (Max)		90		80		70		60		50		44 (Rate)		30		22		10	
	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
-25	2600	1300	2340	1129	2080	959	1820	589	1560	496	1300	404	1283	374	866	193	641	155	401	115
-24	2720	1360	2448	1182	2176	1003	1904	616	1632	519	1360	422	1342	391	906	202	671	162	419	120
-23	2840	1420	2556	1234	2272	1047	1988	643	1704	542	1420	441	1401	408	946	211	701	170	438	126
-22	2960	1480	2664	1286	2368	1092	2072	670	1776	565	1480	459	1461	426	986	220	730	177	456	131
-21	3080	1540	2772	1338	2464	1136	2156	697	1848	588	1540	478	1520	443	1026	229	760	184	475	136
-20	3200	1600	2880	1390	2560	1180	2240	725	1920	611	1600	497	1579	460	1066	237	789	191	493	142
-19	3320	1620	2988	1407	2656	1195	2324	734	1992	618	1660	503	1638	466	1106	240	819	194	512	143
-18	3440	1640	3096	1425	2752	1210	2408	743	2064	626	1720	509	1697	472	1146	243	849	196	530	145
-17	3560	1660	3204	1442	2848	1224	2492	752	2136	634	1780	515	1757	478	1186	246	878	198	549	147
-16	3680	1680	3312	1460	2944	1239	2576	761	2208	641	1840	522	1816	483	1226	249	908	201	567	149
-15	3800	1700	3420	1477	3040	1254	2660	770	2280	649	1900	528	1875	489	1265	252	937	203	586	150
-14	3860	1720	3474	1494	3088	1269	2702	779	2316	656	1930	534	1905	495	1285	255	952	205	595	152
-13	3920	1740	3528	1512	3136	1283	2744	788	2352	664	1960	540	1934	501	1305	258	967	208	604	154
-12	3980	1760	3582	1529	3184	1298	2786	797	2388	672	1990	546	1964	506	1325	261	982	210	614	156
-11	4040	1780	3636	1546	3232	1313	2828	806	2424	679	2020	553	1993	512	1345	264	997	213	623	158
-10	4100	1800	3690	1564	3280	1328	2870	815	2460	687	2050	559	2023	518	1365	267	1011	215	632	159
-9	4150	1817	3735	1578	3320	1340	2905	823	2490	693	2075	564	2048	523	1382	270	1024	217	640	161
-8	4200	1833	3780	1593	3360	1352	2940	830	2520	700	2100	569	2072	527	1399	272	1036	219	648	162
-7	4250	1850	3825	1607	3400	1364	2975	838	2550	706	2125	574	2097	532	1415	274	1048	221	655	164
-6	4300	1867	3870	1622	3440	1377	3010	845	2580	712	2150	579	2122	537	1432	277	1061	223	663	165
-5	4350	1883	3915	1636	3480	1389	3045	853	2610	719	2175	585	2146	542	1449	279	1073	225	671	167
-4	4400	1900	3960	1651	3520	1401	3080	861	2640	725	2200	590	2171	547	1465	282	1085	227	678	168
-3	4450	1917	4005	1665	3560	1414	3115	868	2670	732	2225	595	2196	551	1482	284	1098	229	686	170
-2	4500	1933	4050	1680	3600	1426	3150	876	2700	738	2250	600	2220	556	1499	287	1110	231	694	171
-1	4550	1950	4095	1694	3640	1438	3185	883	2730	744	2275	605	2245	561	1515	289	1122	233	702	173
0	4600	1967	4140	1709	3680	1450	3220	891	2760	751	2300	610	2270	566	1532	292	1135	235	709	174
1	4650	1983	4185	1723	3720	1463	3255	898	2790	757	2325	616	2294	571	1549	294	1147	237	717	176
2	4700	2000	4230	1738	3760	1475	3290	906	2820	763	2350	621	2319	575	1565	297	1159	239	725	177
3	4736	2017	4263	1752	3789	1487	3315	913	2842	770	2368	626	2357	583	1591	301	1178	242	739	183
4	4772	2034	4295	1767	3818	1500	3341	921	2863	776	2386	631	2395	591	1616	305	1197	245	754	188
5	4809	2050	4328	1781	3847	1512	3366	929	2885	783	2404	636	2433	599	1642	309	1216	249	768	194
6	7014	2363	6313	2053	5611	1743	4910	1070	4209	902	3507	733	3118	640	2104	330	1559	266	974	197
7	7200	2400	6480	2085	5760	1770	5040	1087	4320	916	3600	745	3200	650	2160	335	1600	270	1000	200
8	7386	2437	6647	2117	5909	1797	5170	1104	4431	930	3693	757	3283	660	2216	341	1641	274	1026	203
9	7572	2474	6814	2150	6057	1825	5300	1121	4543	944	3786	768	3366	670	2271	346	1682	278	1052	206
10	7757	2511	6982	2182	6206	1852	5430	1137	4654	959	3879	780	3448	680	2327	351	1724	283	1077	209
11	7943	2549	7149	2214	6355	1880	5560	1154	4766	973	3972	791	3531	690	2383	356	1765	287	1103	212
12	8129	2586	7316	2246	6503	1907	5690	1171	4877	987	4065	803	3613	700	2439	361	1806	291	1129	215
13	8315	2623	7483	2279	6652	1934	5820	1188	4989	1001	4157	814	3696	710	2494	366	1848	295	1155	219
14	8501	2660	7651	2311	6801	1962	5950	1205	5100	1015	4250	826	3779	721	2550	372	1889	299	1181	222
15	8686	2697	7818	2343	6949	1989	6081	1222	5212	1029	4343	837	3861	731	2606	377	1930	303	1206	225
16	8872	2734	7985	2376	7098	2017	6211	1238	5323	1044	4436	849	3944	741	2662	382	1971	308	1232	228
17	9058	2772	8152	2408	7246	2044	6341	1255	5435	1058	4529	860	4026	751	2717	387	2013	312	1258	231
18	9194	2789	8274	2423	7355	2057	6436	1263	5516	1064	4597	866	4109	761	2773	392	2054	316	1284	234
19	9285	2789	8357	2423	7428	2057	6500	1263	5571	1064	4643	866	4191	771	2829	398	2095	320	1310	237
20	9376	2789	8438	2423	7501	2057	6563	1263	5625	1064	4688	866	4274	781	2885	403	2137	324	1335	240
21	9465	2789	8518	2423	7572	2057	6625	1263	5679	1064	4732	866	4357	791	2940	408	2178	329	1361	243
22	9553	2789	8598	2423	7642	2057	6687	1263	5732	1064	4777	866	4439	801	2996	413	2219	333	1387	246
23	9640	2789	8676	2423	7712	2057	6748	1263	5784	1064	4820	866	4522	811	3052	418	2260	337	1413	250
24	9726	2789	8754	2423	7781	2057	6808	1263	5836	1064	4863	866	4604	821	3108	424	2302	341	1439	253

Indoor : RAS-B35G3KVSG(B)-ND

Outdoor : RAS-35G3AVSG-ND

Single split type

Operation range		Cooling	
		Q	P
MINIMUM	W	1300	260
RATING	W	3500	850
MAXIMUM	W	4500	1370

Q : Capacity (kW)

P : Power consumption (kW)

Cooling

Outdoor Temperature DB (°C)	Parts Load (%)																			
	100 (Max)		90		80		78 (Rate)		60		50		39		30		20		10	
	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
20	5366	1075	4830	892	4293	708	4173	667	3220	441	2683	314	2087	173	1610	215	1550	204	1550	204
21	5309	1095	4778	908	4247	721	4128	679	3185	449	2654	320	2064	176	1593	218	1534	208	1534	208
22	5251	1115	4726	924	4201	734	4084	692	3150	457	2625	325	2042	179	1575	222	1517	212	1517	212
23	5193	1134	4674	941	4154	747	4039	704	3116	465	2597	331	2020	182	1558	226	1500	215	1500	215
24	5135	1154	4622	957	4108	760	3994	716	3081	473	2568	337	1997	185	1541	230	1484	219	1484	219
25	5078	1174	4570	973	4062	773	3949	728	3047	481	2539	343	1975	188	1523	234	1467	223	1467	223
26	5020	1193	4518	989	4016	786	3904	740	3012	490	2510	348	1952	192	1506	238	1450	226	1450	226
27	4962	1213	4466	1006	3970	799	3859	752	2977	498	2481	354	1930	195	1489	242	1433	230	1433	230
28	4904	1233	4414	1022	3923	811	3814	765	2943	506	2452	360	1907	198	1471	246	1417	234	1417	234
29	4847	1252	4362	1038	3877	824	3769	777	2908	514	2423	366	1885	201	1454	250	1400	238	1400	238
30	4789	1272	4310	1055	3831	837	3724	789	2873	522	2394	371	1862	204	1437	254	1383	241	1383	241
31	4731	1291	4258	1071	3785	850	3679	801	2839	530	2366	377	1840	207	1419	258	1367	245	1367	245
32	4673	1311	4206	1087	3739	863	3634	813	2804	538	2337	383	1817	211	1402	262	1350	249	1350	249
33	4616	1331	4154	1103	3692	876	3589	826	2769	546	2308	389	1795	214	1385	265	1333	253	1333	253
34	4558	1350	4102	1120	3646	889	3545	838	2735	554	2279	394	1772	217	1367	269	1317	256	1317	256
35	4500	1370	4050	1136	3600	902	3500	850	2700	562	2250	400	1750	220	1350	273	1300	260	1300	260
36	4442	1390	3998	1152	3554	915	3455	862	2665	570	2221	406	1728	223	1333	277	1283	264	1283	264
37	4381	1408	3943	1167	3505	927	3410	874	2631	578	2192	411	1705	226	1315	281	1267	267	1267	267
38	4289	1408	3860	1167	3431	927	3365	886	2596	586	2163	417	1683	229	1298	285	1250	271	1250	271
39	4198	1408	3779	1167	3359	927	3320	899	2561	594	2135	423	1660	233	1281	289	1233	275	1233	275
40	4110	1408	3699	1167	3288	927	3275	911	2527	602	2106	429	1638	236	1263	293	1217	279	1217	279
41	4022	1408	3620	1167	3218	927	3230	923	2492	610	2077	434	1615	239	1246	297	1200	282	1200	282
42	3937	1408	3543	1167	3150	927	3185	935	2457	618	2048	440	1593	242	1229	301	1183	286	1183	286
43	3853	1408	3468	1167	3082	927	3140	947	2423	626	2019	446	1570	245	1211	305	1167	290	1167	290
44	3771	1408	3394	1167	3017	927	3095	960	2388	634	1990	452	1548	248	1194	309	1150	294	1150	294
45	3546	1310	3192	1086	2837	862	3051	972	2354	643	1961	457	1525	252	1177	313	1133	297	1133	297
46	3471	1310	3124	1086	2777	862	3006	984	2319	651	1932	463	1503	255	1159	316	1116	301	1116	301

Indoor : RAS-B35G3KVSG(B)-ND

Outdoor : RAS-35G3AVSG-ND

Single split type

Operation range	Heating	
	Q	P
MINIMUM	W 1000	200
RATING	W 4200	920
MAXIMUM	W 7700	2500

Heating

Q : Capacity (kW)

P : Power consumption (kW)

Outdoor Temperature DB (°C)	Parts Load (%)																			
	100 (Max)		90		80		70		60		55 (Rate)		40		27		20		10	
	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
-25	2700	1500	2430	1291	2160	1083	1890	736	1620	617	1494	531	1096	365	747	219	548	166	356	115
-24	2820	1520	2538	1309	2256	1097	1974	745	1692	625	1561	538	1144	370	780	222	572	169	372	117
-23	2940	1540	2646	1326	2352	1112	2058	755	1764	633	1627	545	1193	374	813	225	597	171	387	119
-22	3060	1560	2754	1343	2448	1126	2142	765	1836	641	1693	552	1242	379	847	228	621	173	403	120
-21	3180	1580	2862	1360	2544	1141	2226	775	1908	650	1760	559	1290	384	880	231	645	175	419	122
-20	3300	1600	2970	1378	2640	1155	2310	785	1980	658	1826	566	1339	389	913	234	670	178	435	123
-19	3440	1640	3096	1412	2752	1184	2408	804	2064	674	1904	581	1396	399	952	240	698	182	453	126
-18	3580	1680	3222	1446	2864	1213	2506	824	2148	691	1981	595	1453	409	990	246	726	186	472	129
-17	3720	1720	3348	1481	2976	1242	2604	843	2232	707	2059	609	1510	418	1029	251	755	191	490	132
-16	3860	1760	3474	1515	3088	1271	2702	863	2316	724	2136	623	1566	428	1068	257	783	195	509	135
-15	4000	1800	3600	1550	3200	1299	2800	883	2400	740	2214	637	1623	438	1107	263	812	200	527	139
-14	4100	1840	3690	1584	3280	1328	2870	902	2460	757	2269	651	1664	447	1134	269	832	204	540	142
-13	4200	1880	3780	1619	3360	1357	2940	922	2520	773	2324	666	1704	457	1162	275	852	209	553	145
-12	4300	1920	3870	1653	3440	1386	3010	942	2580	790	2380	680	1745	467	1190	281	872	213	567	148
-11	4400	1960	3960	1687	3520	1415	3080	961	2640	806	2435	694	1786	477	1217	287	893	217	580	151
-10	4500	2000	4050	1722	3600	1444	3150	981	2700	822	2490	708	1826	486	1245	292	913	222	593	154
-9	4583	2025	4125	1743	3667	1462	3208	993	2750	833	2536	717	1860	492	1268	296	930	225	604	156
-8	4667	2050	4200	1765	3733	1480	3267	1005	2800	843	2583	726	1894	498	1291	300	947	227	615	158
-7	4750	2075	4275	1786	3800	1498	3325	1018	2850	853	2629	735	1928	505	1314	303	964	230	626	160
-6	4833	2100	4350	1808	3867	1516	3383	1030	2900	864	2675	743	1961	511	1337	307	981	233	637	162
-5	4917	2125	4425	1830	3933	1534	3442	1042	2950	874	2721	752	1995	517	1360	311	998	236	648	164
-4	5000	2150	4500	1851	4000	1552	3500	1054	3000	884	2767	761	2029	523	1383	314	1014	239	659	165
-3	5083	2175	4575	1873	4067	1570	3558	1067	3050	894	2813	770	2063	529	1406	318	1031	241	670	167
-2	5167	2200	4650	1894	4133	1588	3617	1079	3100	905	2859	779	2097	535	1429	322	1048	244	681	169
-1	5250	2225	4725	1916	4200	1606	3675	1091	3150	915	2905	788	2130	541	1452	325	1065	247	692	171
0	5333	2250	4800	1937	4267	1624	3733	1103	3200	925	2951	797	2164	547	1475	329	1082	250	703	173
1	5417	2275	4875	1959	4333	1642	3792	1116	3250	935	2998	805	2198	553	1499	333	1099	252	714	175
2	5500	2300	4950	1980	4400	1660	3850	1128	3300	946	3044	814	2232	559	1522	336	1116	255	725	177
3	5584	2338	5025	2013	4467	1688	3909	1147	3350	961	3094	825	2268	567	1547	341	1134	259	739	183
4	5668	2376	5101	2046	4534	1715	3967	1165	3401	977	3143	836	2305	574	1571	345	1153	262	754	188
5	5751	2414	5176	2079	4601	1743	4026	1184	3451	993	3193	847	2342	582	1596	350	1171	265	768	194
6	5833	2461	5251	2119	4680	1777	4083	1207	3501	1012	3242	858	2380	590	1621	354	1189	268	782	199
7	5917	2500	5325	2152	4759	1805	4142	1226	3550	1028	3292	869	2419	598	1646	358	1207	271	796	204
8	6000	2539	5400	2186	4838	1833	4200	1245	3600	1044	3342	880	2459	606	1671	362	1225	274	810	209
9	6097	2577	5480	2219	4880	1861	4258	1264	3650	1060	3393	891	2500	614	1696	366	1243	277	824	214
10	6196	2616	5560	2252	4933	1889	4317	1283	3700	1076	3444	902	2540	622	1721	370	1261	280	838	219
11	6295	2655	5640	2286	4990	1917	4375	1302	3750	1092	3495	913	2581	630	1746	374	1279	283	852	224
12	6394	2694	5720	2319	5048	1945	4433	1321	3800	1108	3546	924	2621	638	1771	378	1297	286	866	229
13	6493	2732	5800	2352	5106	1972	4492	1340	3850	1124	3597	935	2662	646	1796	382	1315	289	880	234
14	6592	2771	5880	2385	5164	2000	4550	1359	3900	1140	3648	946	2703	654	1821	386	1333	292	894	239
15	6691	2810	5960	2418	5222	2028	4609	1378	3950	1156	3699	957	2744	662	1846	390	1351	295	908	244
16	6790	2849	6040	2451	5280	2056	4667	1397	4000	1172	3750	968	2785	670	1871	394	1369	298	922	249
17	6889	2888	6120	2484	5338	2084	4725	1416	4050	1188	3801	979	2826	678	1896	398	1387	301	936	254
18	6988	2927	6200	2517	5396	2112	4783	1435	4100	1204	3852	990	2867	686	1921	402	1405	304	950	259
19	7087	2966	6280	2550	5454	2140	4842	1454	4150	1220	3903	1001	2908	694	1946	406	1423	307	964	264
20	7186	3005	6360	2583	5512	2168	4900	1473	4200	1236	3954	1012	2949	702	1971	410	1441	310	978	269
21	7285	3044	6440	2616	5570	2196	4958	1492	4250	1252	4005	1023	2990	710	1996	414	1459	313	992	274
22	7384	3083	6520	2649	5628	2224	5017	1511	4300	1268	4056	1034	3031	718	2021	418	1477	316	1006	279
23	7483	3122	6600	2682	5686	2252	5075	1530	4350	1284	4107	1045	3072	726	2046	422	1495	319	1020	284
24	7582	3161	6680	2715	5744	2280	5133	1549	4400	1300	4158	1056	3113	734	2071	426	1513	322	1034	289

Indoor : RAS-B50G3KVSG-ND

Outdoor : RAS-50G3AVSG-ND

Single split type

Operation		Cooling	
range		Q	P
MINIMUM	W	1000	320
RATING	W	5000	1420
MAXIMUM	W	6500	2270

Q : Capacity (kW)

P : Power consumption (kW)

Cooling

Outdoor Temperature DB (°C)	Parts Load (%)																			
	100 (Max)		90		80		77 (Rate)		60		50		40		30		20		10	
	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
20	7751	1782	6976	1601	6201	1420	5962	1115	4651	877	3876	737	3101	597	2325	456	1550	279	1193	251
21	7668	1814	6901	1630	6134	1446	5898	1135	4601	893	3834	750	3067	607	2300	465	1534	285	1180	256
22	7584	1847	6826	1660	6068	1472	5834	1155	4551	909	3792	764	3034	618	2275	473	1517	290	1167	260
23	7501	1880	6751	1689	6001	1498	5770	1176	4501	925	3751	777	3000	629	2250	481	1500	295	1154	265
24	7418	1912	6676	1718	5934	1524	5706	1196	4451	941	3709	791	2967	640	2225	490	1484	300	1141	270
25	7334	1945	6601	1747	5867	1550	5642	1216	4401	957	3667	804	2934	651	2200	498	1467	305	1128	274
26	7251	1977	6526	1776	5801	1576	5577	1237	4350	973	3625	818	2900	662	2175	506	1450	310	1116	279
27	7167	2010	6451	1806	5734	1602	5513	1257	4300	989	3584	831	2867	673	2150	515	1433	315	1103	283
28	7084	2042	6376	1835	5667	1628	5449	1278	4250	1005	3542	845	2834	684	2125	523	1417	320	1090	288
29	7001	2075	6300	1864	5600	1654	5385	1298	4200	1021	3500	858	2800	695	2100	531	1400	325	1077	292
30	6917	2107	6225	1893	5534	1679	5321	1318	4150	1037	3459	871	2767	706	2075	540	1383	330	1064	297
31	6834	2140	6150	1923	5467	1705	5257	1339	4100	1053	3417	885	2733	716	2050	548	1367	336	1051	302
32	6750	2172	6075	1952	5400	1731	5192	1359	4050	1069	3375	898	2700	727	2025	556	1350	341	1039	306
33	6667	2205	6000	1981	5333	1757	5128	1379	4000	1085	3333	912	2667	738	2000	565	1333	346	1026	311
34	6583	2237	5925	2010	5267	1783	5064	1400	3950	1101	3292	925	2633	749	1975	573	1317	351	1013	315
35	6500	2270	5850	2040	5200	1809	5000	1420	3900	1118	3250	939	2600	760	1950	581	1300	356	1000	320
36	6417	2303	5775	2069	5133	1835	4936	1440	3850	1134	3208	952	2567	771	1925	590	1283	361	987	325
37	6333	2335	5700	2098	5067	1861	4872	1461	3800	1150	3167	966	2533	782	1900	598	1267	366	974	329
38	6250	2368	5625	2127	5000	1887	4807	1481	3750	1166	3125	979	2500	793	1875	606	1250	371	962	334
39	6166	2400	5550	2156	4933	1913	4743	1501	3700	1182	3083	993	2467	804	1850	615	1233	376	949	338
40	6083	2433	5475	2186	4866	1939	4679	1522	3650	1198	3041	1006	2433	814	1825	623	1217	382	936	343
41	6000	2465	5400	2215	4800	1965	4615	1542	3600	1214	3000	1019	2400	825	1800	631	1200	387	923	348
42	5916	2498	5324	2244	4733	1991	4551	1562	3550	1230	2958	1033	2366	836	1775	640	1183	392	910	352
43	5833	2530	5249	2273	4666	2017	4487	1583	3500	1246	2916	1046	2333	847	1750	648	1167	397	897	357
44	5749	2563	5174	2303	4599	2042	4422	1603	3450	1262	2875	1060	2300	858	1725	656	1150	402	885	361
45	5666	2595	5099	2332	4533	2068	4358	1624	3400	1278	2833	1073	2266	869	1700	665	1133	407	872	366
46	5582	2628	5024	2361	4466	2094	4294	1644	3349	1294	2791	1087	2233	880	1675	673	1116	412	859	370

Indoor : RAS-B50G3KVSG-ND

Outdoor : RAS-50G3AVSG-ND

Single split type

Operation range	Heating	
	Q	P
MINIMUM	W 1000	280
RATING	W 6000	1500
MAXIMUM	W 8700	2700

Q : Capacity (kW)

P : Power consumption (kW)

Heating

Outdoor Temperature DB (°C)	Parts Load (%)																			
	100 (Max)		90		80		69 (Rate)		60		50		40		30		20		10	
	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
-25	5100	2500	4590	2247	4080	1994	3517	1389	3060	1213	2233	714	1786	576	1340	438	893	300	513	182
-24	5240	2540	4716	2283	4192	2026	3614	1411	3144	1232	2294	726	1835	585	1376	445	918	304	527	185
-23	5380	2580	4842	2319	4304	2057	3710	1433	3228	1251	2355	737	1884	594	1413	452	942	309	541	188
-22	5520	2620	4968	2355	4416	2089	3807	1456	3312	1271	2417	748	1933	604	1450	459	967	314	556	191
-21	5660	2660	5094	2391	4528	2121	3903	1478	3396	1290	2478	760	1982	613	1487	466	991	319	570	194
-20	5800	2700	5220	2427	4640	2153	4000	1500	3480	1310	2539	771	2031	622	1524	473	1016	324	584	197
-19	5940	2740	5346	2463	4752	2185	4097	1522	3564	1329	2601	783	2080	631	1560	480	1040	328	598	200
-18	6080	2780	5472	2498	4864	2217	4193	1544	3648	1348	2662	794	2129	640	1597	487	1065	333	612	203
-17	6220	2820	5598	2534	4976	2249	4290	1567	3732	1368	2723	805	2179	650	1634	494	1089	338	626	206
-16	6360	2860	5724	2570	5088	2281	4386	1589	3816	1387	2784	817	2228	659	1671	501	1114	343	640	208
-15	6500	2900	5850	2606	5200	2313	4483	1611	3900	1407	2846	828	2277	668	1707	508	1138	348	654	211
-14	6560	2940	5904	2642	5248	2345	4524	1633	3936	1426	2872	840	2298	677	1723	515	1149	352	660	214
-13	6620	2980	5958	2678	5296	2376	4565	1656	3972	1445	2898	851	2319	687	1739	522	1159	357	666	217
-12	6680	3020	6012	2714	5344	2408	4607	1678	4008	1465	2925	863	2340	696	1755	529	1170	362	672	220
-11	6740	3060	6066	2750	5392	2440	4648	1700	4044	1484	2951	874	2361	705	1770	536	1180	367	678	223
-10	6800	3100	6120	2786	5440	2472	4690	1722	4080	1504	2977	885	2382	714	1786	543	1191	372	684	226
-9	6833	3125	6150	2809	5467	2492	4713	1736	4100	1516	2992	893	2393	720	1795	547	1197	375	688	228
-8	6867	3150	6180	2831	5493	2512	4736	1750	4120	1528	3006	900	2405	726	1804	552	1202	378	691	230
-7	6900	3175	6210	2853	5520	2532	4759	1764	4140	1540	3021	907	2417	731	1813	556	1208	381	694	231
-6	6933	3200	6240	2876	5547	2552	4782	1778	4160	1552	3035	914	2428	737	1821	560	1214	384	698	233
-5	6967	3225	6270	2898	5573	2572	4805	1792	4180	1564	3050	921	2440	743	1830	565	1220	387	701	235
-4	7000	3250	6300	2921	5600	2592	4828	1806	4200	1576	3065	928	2452	749	1839	569	1226	390	705	237
-3	7033	3275	6330	2943	5627	2612	4851	1819	4220	1589	3079	935	2463	754	1848	574	1232	393	708	239
-2	7067	3300	6360	2966	5653	2632	4874	1833	4240	1601	3094	943	2475	760	1856	578	1238	396	711	240
-1	7100	3325	6390	2988	5680	2652	4897	1847	4260	1613	3108	950	2487	766	1865	582	1243	399	715	242
0	7133	3350	6420	3011	5707	2671	4920	1861	4280	1625	3123	957	2498	772	1874	587	1249	402	718	244
1	7167	3375	6450	3033	5733	2691	4942	1875	4300	1637	3138	964	2510	778	1883	591	1255	405	721	246
2	7200	3400	6480	3056	5760	2711	4965	1889	4320	1649	3152	971	2522	783	1891	595	1261	408	725	248
3	7222	3425	6500	3076	5783	2731	4987	1901	4340	1661	3166	978	2534	790	1900	600	1267	411	729	250
4	7244	3450	6520	3097	5806	2751	5009	1913	4360	1673	3180	985	2546	797	1909	603	1273	414	733	252
5	7267	3475	6540	3118	5829	2771	5031	1925	4380	1685	3194	992	2558	804	1918	606	1279	417	737	254
6	7289	3500	6560	3139	5852	2791	5053	1937	4400	1697	3208	1000	2570	811	1927	609	1285	420	741	256
7	7312	3525	6580	3160	5875	2811	5075	1949	4420	1709	3222	1007	2582	818	1936	612	1291	423	745	258
8	7334	3550	6600	3181	5898	2831	5097	1961	4440	1721	3236	1014	2594	825	1945	615	1297	426	749	260
9	7357	3575	6620	3202	5921	2851	5119	1973	4460	1733	3250	1021	2606	832	1954	618	1303	429	753	262
10	7379	3600	6640	3223	5944	2871	5141	1985	4480	1745	3264	1028	2618	839	1963	621	1309	432	757	264
11	7402	3625	6660	3244	5967	2891	5163	1997	4500	1757	3278	1035	2630	846	1972	624	1315	435	761	266
12	7424	3650	6680	3265	5990	2911	5185	2009	4520	1769	3292	1042	2642	853	1981	627	1321	438	765	268
13	7447	3675	6700	3286	6013	2931	5207	2021	4540	1781	3306	1049	2654	860	1990	630	1327	441	769	270
14	7469	3700	6720	3307	6036	2951	5229	2033	4560	1793	3320	1056	2666	867	1999	633	1333	444	773	272
15	7492	3725	6740	3328	6059	2971	5251	2045	4580	1805	3334	1063	2678	874	2008	636	1339	447	777	274
16	7514	3750	6760	3349	6082	2991	5273	2057	4600	1817	3348	1070	2690	881	2017	639	1345	450	781	276
17	7537	3775	6780	3370	6105	3011	5295	2069	4620	1829	3362	1077	2702	888	2026	642	1351	453	785	278
18	7559	3800	6800	3391	6128	3031	5317	2081	4640	1841	3376	1084	2714	895	2035	645	1357	456	789	280
19	7582	3825	6820	3412	6151	3051	5339	2093	4660	1853	3390	1091	2726	902	2044	648	1363	459	793	282
20	7604	3850	6840	3433	6174	3071	5361	2105	4680	1865	3404	1098	2738	909	2053	651	1369	462	797	284
21	7627	3875	6860	3454	6197	3091	5383	2117	4700	1877	3418	1105	2750	916	2062	654	1375	465	801	286
22	7649	3900	6880	3475	6220	3111	5405	2129	4720	1889	3432	1112	2762	923	2071	657	1381	468	805	288
23	7672	3925	6900	3496	6243	3131	5427	2141	4740	1901	3446	1119	2774	930	2080	660	1387	471	809	290
24	7694	3950	6920	3517	6266	3151	5449	2153	4760	1913	3460	1126	2786	937	2089	663	1393	474	813	292

10. Performance Characteristic

Indoor : RAS-B25G3KVSG(B)-ND

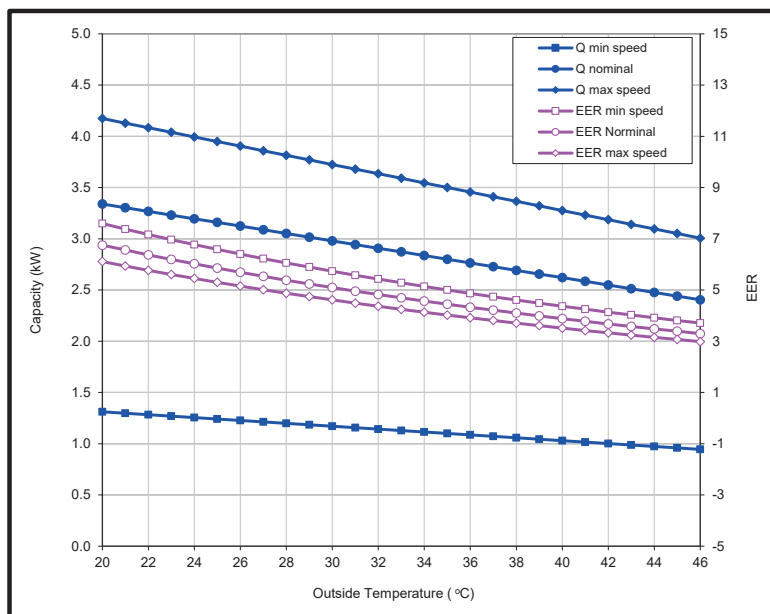
Outdoor : RAS-25G3AVSG-ND

Product specification :

Condition		Capacity (kW)	Power (kW)	EER/COP
Cooling JIS In: 27 °C DB/19° C WB Out: 35 °C DB/24° C WB	Min	1.10	0.22	5.00
	Rated	2.80	0.63	4.44
	Max	3.50	0.87	4.02
Heating JIS In: 20 °C DB/15° C WB Out: 7 °C DB/6° C WB	Min	1.00	0.20	5.00
	Rated	3.20	0.65	4.92
	Max	7.20	2.40	3.00
Heating Low Temp. In: 20 °C DB/15° C WB Out: 2 °C DB/1° C WB	Max	4.70	2.00	2.35
Heating Low Temp. In: 20 °C DB/15° C WB Out: -10 °C DB	Max	4.10	1.80	2.28
Heating Low Temp. In: 20 °C DB/15° C WB Out: -15 °C DB	Max	3.80	1.70	2.24
Heating Low Temp. In: 20 °C DB/15° C WB Out: -20 °C DB	Max	3.20	1.60	2.00
Heating Low Temp. In: 20 °C DB/15° C WB Out: -25 °C DB	Max	2.60	1.30	2.00

Cooling performance characteristic :

Outside Temp (°C)	Min capacity			Nominal capacity			Max capacity		
	Capacity (kW)	Power (kW)	EER (-)	Capacity (kW)	Power (kW)	EER (-)	Capacity (kW)	Power (kW)	EER (-)
20	1.31	0.17	7.60	3.34	0.49	6.75	4.17	0.68	6.11
21	1.30	0.18	7.38	3.30	0.50	6.56	4.13	0.70	5.94
22	1.28	0.18	7.17	3.27	0.51	6.37	4.08	0.71	5.77
23	1.27	0.18	6.97	3.23	0.52	6.19	4.04	0.72	5.61
24	1.26	0.19	6.77	3.20	0.53	6.02	3.99	0.73	5.45
25	1.24	0.19	6.59	3.16	0.54	5.85	3.95	0.75	5.30
26	1.23	0.19	6.40	3.12	0.55	5.69	3.90	0.76	5.15
27	1.21	0.19	6.23	3.09	0.56	5.54	3.86	0.77	5.01
28	1.20	0.20	6.06	3.05	0.57	5.38	3.81	0.78	4.87
29	1.18	0.20	5.89	3.02	0.58	5.24	3.77	0.80	4.74
30	1.17	0.20	5.73	2.98	0.58	5.09	3.72	0.81	4.61
31	1.16	0.21	5.58	2.94	0.59	4.96	3.68	0.82	4.49
32	1.14	0.21	5.43	2.91	0.60	4.82	3.63	0.83	4.37
33	1.13	0.21	5.28	2.87	0.61	4.69	3.59	0.85	4.25
34	1.11	0.22	5.14	2.84	0.62	4.57	3.54	0.86	4.13
35	1.10	0.22	5.00	2.80	0.63	4.44	3.50	0.87	4.02
36	1.09	0.22	4.87	2.76	0.64	4.33	3.46	0.88	3.92
37	1.07	0.23	4.74	2.73	0.65	4.21	3.41	0.89	3.81
38	1.06	0.23	4.61	2.69	0.66	4.10	3.37	0.91	3.71
39	1.04	0.23	4.49	2.66	0.67	3.99	3.32	0.92	3.61
40	1.03	0.24	4.37	2.62	0.68	3.88	3.28	0.93	3.51
41	1.02	0.24	4.25	2.58	0.68	3.78	3.23	0.94	3.42
42	1.00	0.24	4.14	2.55	0.69	3.68	3.19	0.96	3.33
43	0.99	0.25	4.03	2.51	0.70	3.58	3.14	0.97	3.24
44	0.97	0.25	3.92	2.48	0.71	3.48	3.10	0.98	3.15
45	0.96	0.25	3.81	2.44	0.72	3.39	3.05	0.99	3.07
46	0.94	0.25	3.71	2.40	0.73	3.30	3.01	1.01	2.98

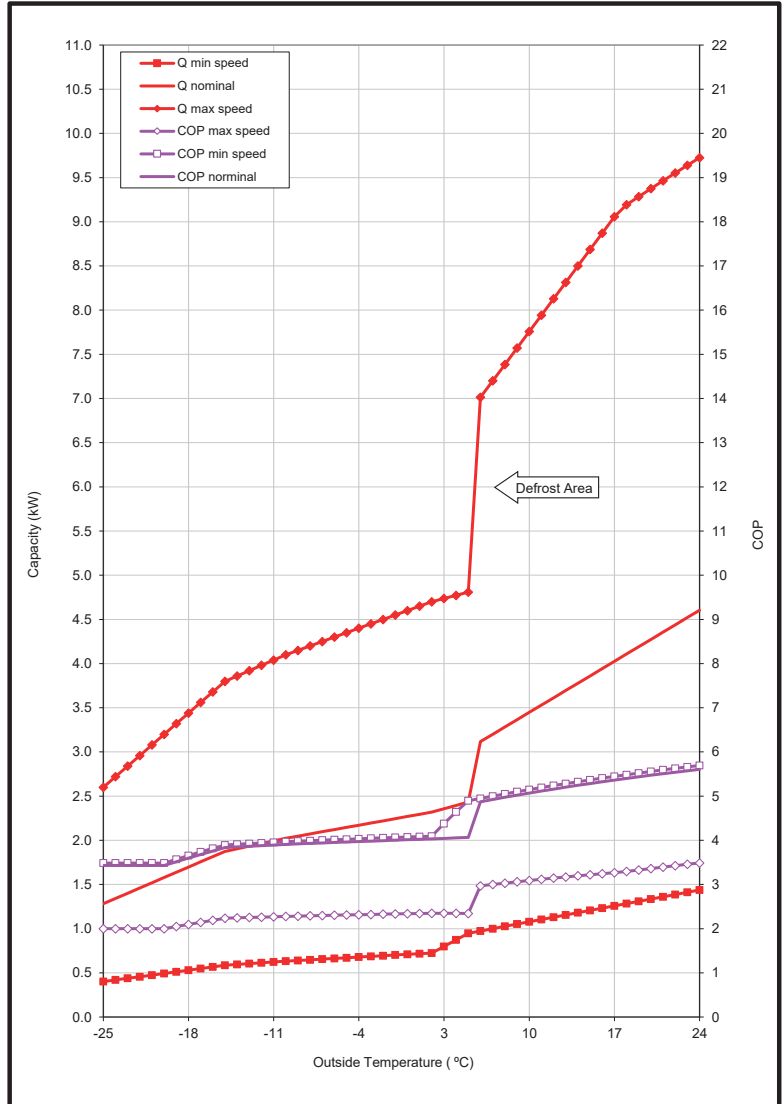


Indoor : RAS-B25G3KVSG(B)-ND

Outdoor : RAS-25G3AVSG-ND

Heating performance characteristic :

Outside Temp (°C)	Min capacity			Nominal capacity			Max capacity		
	Capacity (kW)	Power (kW)	COP (-)	Capacity (kW)	Power (kW)	COP (-)	Capacity (kW)	Power (kW)	COP (-)
-25	0.40	0.12	3.48	1.28	0.37	3.43	2.60	1.30	2.00
-24	0.42	0.12	3.48	1.34	0.39	3.43	2.72	1.36	2.00
-23	0.44	0.13	3.48	1.40	0.41	3.43	2.84	1.42	2.00
-22	0.46	0.13	3.48	1.46	0.43	3.43	2.96	1.48	2.00
-21	0.47	0.14	3.48	1.52	0.44	3.43	3.08	1.54	2.00
-20	0.49	0.14	3.48	1.58	0.46	3.43	3.20	1.60	2.00
-19	0.51	0.14	3.57	1.64	0.47	3.52	3.32	1.62	2.05
-18	0.53	0.15	3.65	1.70	0.47	3.60	3.44	1.64	2.10
-17	0.55	0.15	3.74	1.76	0.48	3.68	3.56	1.66	2.14
-16	0.57	0.15	3.82	1.82	0.48	3.76	3.68	1.68	2.19
-15	0.59	0.15	3.89	1.87	0.49	3.83	3.80	1.70	2.24
-14	0.60	0.15	3.91	1.90	0.49	3.85	3.86	1.72	2.24
-13	0.60	0.15	3.92	1.93	0.50	3.86	3.92	1.74	2.25
-12	0.61	0.16	3.94	1.96	0.51	3.88	3.98	1.76	2.26
-11	0.62	0.16	3.95	1.99	0.51	3.89	4.04	1.78	2.27
-10	0.63	0.16	3.97	2.02	0.52	3.91	4.10	1.80	2.28
-9	0.64	0.16	3.98	2.05	0.52	3.92	4.15	1.82	2.28
-8	0.65	0.16	3.99	2.07	0.53	3.93	4.20	1.83	2.29
-7	0.66	0.16	4.00	2.10	0.53	3.94	4.25	1.85	2.30
-6	0.66	0.17	4.01	2.12	0.54	3.95	4.30	1.87	2.30
-5	0.67	0.17	4.02	2.15	0.54	3.96	4.35	1.88	2.31
-4	0.68	0.17	4.03	2.17	0.55	3.97	4.40	1.90	2.32
-3	0.69	0.17	4.04	2.20	0.55	3.98	4.45	1.92	2.32
-2	0.69	0.17	4.06	2.22	0.56	3.99	4.50	1.93	2.33
-1	0.70	0.17	4.07	2.24	0.56	4.00	4.55	1.95	2.33
0	0.71	0.17	4.08	2.27	0.57	4.01	4.60	1.97	2.34
1	0.72	0.18	4.08	2.29	0.57	4.02	4.65	1.98	2.34
2	0.72	0.18	4.09	2.32	0.58	4.03	4.70	2.00	2.35
3	0.80	0.18	4.38	2.36	0.58	4.04	4.74	2.02	2.35
4	0.87	0.19	4.64	2.39	0.59	4.05	4.77	2.03	2.35
5	0.95	0.19	4.89	2.43	0.60	4.07	4.81	2.05	2.35
6	0.97	0.20	4.95	3.12	0.64	4.87	7.01	2.36	2.97
7	1.00	0.20	5.00	3.20	0.65	4.92	7.20	2.40	3.00
8	1.03	0.20	5.05	3.28	0.66	4.97	7.39	2.44	3.03
9	1.05	0.21	5.10	3.37	0.67	5.02	7.57	2.47	3.06
10	1.08	0.21	5.15	3.45	0.68	5.07	7.76	2.51	3.09
11	1.10	0.21	5.19	3.53	0.69	5.11	7.94	2.55	3.12
12	1.13	0.22	5.24	3.61	0.70	5.16	8.13	2.59	3.14
13	1.15	0.22	5.28	3.70	0.71	5.20	8.31	2.62	3.17
14	1.18	0.22	5.33	3.78	0.72	5.24	8.50	2.66	3.20
15	1.21	0.22	5.37	3.86	0.73	5.28	8.69	2.70	3.22
16	1.23	0.23	5.41	3.94	0.74	5.32	8.87	2.73	3.24
17	1.26	0.23	5.45	4.03	0.75	5.36	9.06	2.77	3.27
18	1.28	0.23	5.49	4.11	0.76	5.40	9.19	2.79	3.30
19	1.31	0.24	5.52	4.19	0.77	5.44	9.29	2.79	3.33
20	1.34	0.24	5.56	4.27	0.78	5.47	9.38	2.79	3.36
21	1.36	0.24	5.59	4.36	0.79	5.51	9.46	2.79	3.39
22	1.39	0.25	5.63	4.44	0.80	5.54	9.55	2.79	3.43
23	1.41	0.25	5.66	4.52	0.81	5.57	9.64	2.79	3.46
24	1.44	0.25	5.69	4.60	0.82	5.61	9.73	2.79	3.49

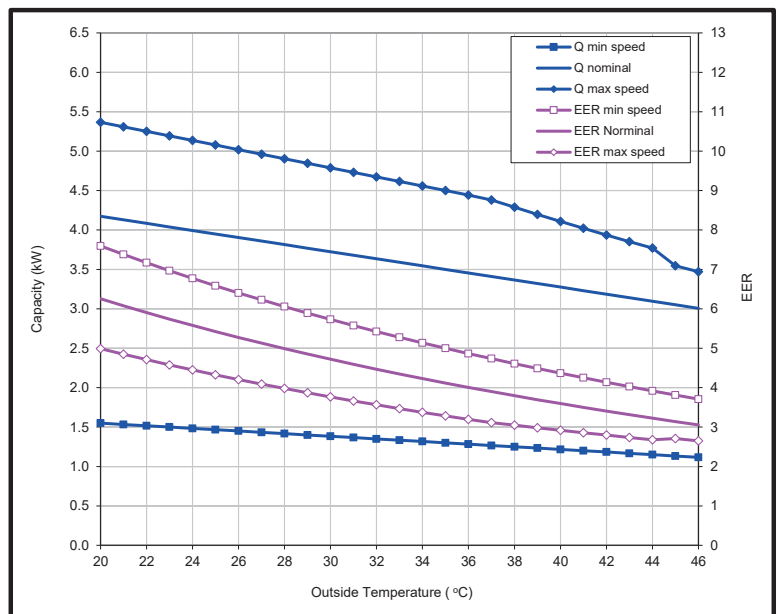


Indoor : RAS-B35G3KVSG(B)-ND**Outdoor : RAS-35G3AVSG-ND****Product specification :**

Condition		Capacity (kW)	Power (kW)	EER/COP
Cooling JIS In: 27°C DB/19°C WB Out: 35°C DB/24°C WB	Min	1.30	0.26	5.00
	Rated	3.50	0.85	4.12
	Max	4.50	1.37	3.28
Heating JIS In: 20°C DB/15°C WB Out: 7°C DB/6°C WB	Min	1.00	0.20	5.00
	Rated	4.20	0.92	4.57
	Max	7.70	2.50	3.08
Heating Low Temp. In: 20°C DB/15°C WB Out: 2°C DB/1°C WB	Max	5.50	2.30	2.39
	Max	4.50	2.00	2.25
Heating Low Temp. In: 20°C DB/15°C WB Out: -10°C DB	Max	4.00	1.80	2.22
	Max	3.30	1.60	2.06
Heating Low Temp. In: 20°C DB/15°C WB Out: -20°C DB	Max	2.70	1.50	1.80

Cooling performance characteristic :

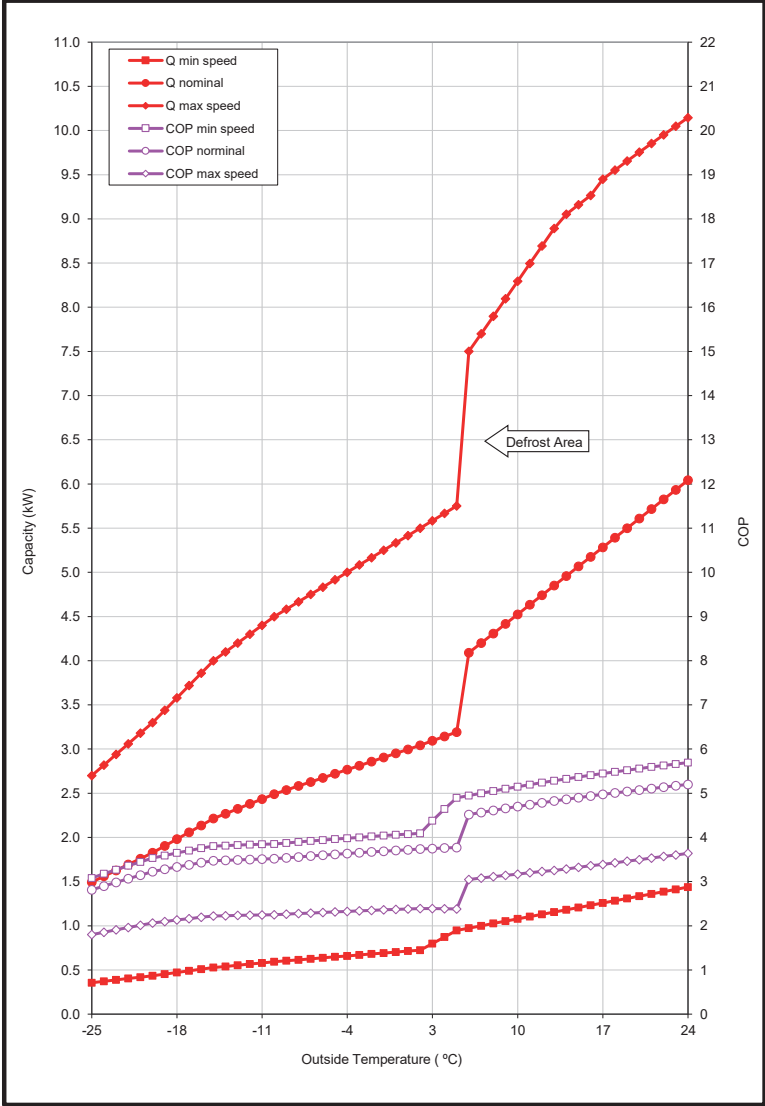
Outside Temp (°C)	Min capacity			Nominal capacity			Max capacity		
	Capacity (kW)	Power (kW)	EER (-)	Capacity (kW)	Power (kW)	EER (-)	Capacity (kW)	Power (kW)	EER (-)
20	1.55	0.20	7.60	4.17	0.67	6.26	5.37	1.08	4.99
21	1.53	0.21	7.38	4.13	0.68	6.08	5.31	1.10	4.85
22	1.52	0.21	7.17	4.08	0.69	5.90	5.25	1.11	4.71
23	1.50	0.22	6.97	4.04	0.70	5.74	5.19	1.13	4.58
24	1.48	0.22	6.77	3.99	0.72	5.58	5.14	1.15	4.45
25	1.47	0.22	6.59	3.95	0.73	5.42	5.08	1.17	4.33
26	1.45	0.23	6.40	3.90	0.74	5.27	5.02	1.19	4.21
27	1.43	0.23	6.23	3.86	0.75	5.13	4.96	1.21	4.09
28	1.42	0.23	6.06	3.81	0.76	4.99	4.90	1.23	3.98
29	1.40	0.24	5.89	3.77	0.78	4.85	4.85	1.25	3.87
30	1.38	0.24	5.73	3.72	0.79	4.72	4.79	1.27	3.77
31	1.37	0.25	5.58	3.68	0.80	4.59	4.73	1.29	3.66
32	1.35	0.25	5.43	3.63	0.81	4.47	4.67	1.31	3.56
33	1.33	0.25	5.28	3.59	0.83	4.35	4.62	1.33	3.47
34	1.32	0.26	5.14	3.54	0.84	4.23	4.56	1.35	3.38
35	1.30	0.26	5.00	3.50	0.85	4.12	4.50	1.37	3.28
36	1.28	0.26	4.87	3.46	0.86	4.01	4.44	1.39	3.20
37	1.27	0.27	4.74	3.41	0.87	3.90	4.38	1.41	3.11
38	1.25	0.27	4.61	3.37	0.89	3.80	4.29	1.41	3.05
39	1.23	0.27	4.49	3.32	0.90	3.69	4.20	1.41	2.98
40	1.22	0.28	4.37	3.28	0.91	3.60	4.11	1.41	2.92
41	1.20	0.28	4.25	3.23	0.92	3.50	4.02	1.41	2.86
42	1.18	0.29	4.14	3.19	0.94	3.41	3.94	1.41	2.80
43	1.17	0.29	4.03	3.14	0.95	3.31	3.85	1.41	2.74
44	1.15	0.29	3.92	3.10	0.96	3.23	3.77	1.41	2.68
45	1.13	0.30	3.81	3.05	0.97	3.14	3.55	1.31	2.71
46	1.12	0.30	3.71	3.01	0.98	3.05	3.47	1.31	2.65



Indoor : RAS-B35G3KVSG(B)-ND
Outdoor : RAS-35G3AVSG-ND

Heating performance characteristic :

Outside Temp (°C)	Min capacity			Nominal capacity			Max capacity		
	Capacity (kW)	Power (kW)	COP (-)	Capacity (kW)	Power (kW)	COP (-)	Capacity (kW)	Power (kW)	COP (-)
-25	0.36	0.12	3.08	1.49	0.53	2.81	2.70	1.50	1.80
-24	0.37	0.12	3.18	1.56	0.54	2.90	2.82	1.52	1.86
-23	0.39	0.12	3.27	1.63	0.55	2.98	2.94	1.54	1.91
-22	0.40	0.12	3.36	1.69	0.55	3.07	3.06	1.56	1.96
-21	0.42	0.12	3.45	1.76	0.56	3.15	3.18	1.58	2.01
-20	0.43	0.12	3.53	1.83	0.57	3.22	3.30	1.60	2.06
-19	0.45	0.13	3.59	1.90	0.58	3.28	3.44	1.64	2.10
-18	0.47	0.13	3.65	1.98	0.59	3.33	3.58	1.68	2.13
-17	0.49	0.13	3.70	2.06	0.61	3.38	3.72	1.72	2.16
-16	0.51	0.14	3.75	2.14	0.62	3.43	3.86	1.76	2.19
-15	0.53	0.14	3.80	2.21	0.64	3.47	4.00	1.80	2.22
-14	0.54	0.14	3.82	2.27	0.65	3.48	4.10	1.84	2.23
-13	0.55	0.14	3.82	2.32	0.67	3.49	4.20	1.88	2.23
-12	0.57	0.15	3.83	2.38	0.68	3.50	4.30	1.92	2.24
-11	0.58	0.15	3.84	2.43	0.69	3.51	4.40	1.96	2.24
-10	0.59	0.15	3.85	2.49	0.71	3.52	4.50	2.00	2.25
-9	0.60	0.16	3.88	2.54	0.72	3.54	4.58	2.03	2.26
-8	0.61	0.16	3.90	2.58	0.73	3.56	4.67	2.05	2.28
-7	0.63	0.16	3.92	2.63	0.73	3.58	4.75	2.08	2.29
-6	0.64	0.16	3.94	2.67	0.74	3.60	4.83	2.10	2.30
-5	0.65	0.16	3.96	2.72	0.75	3.62	4.92	2.13	2.31
-4	0.66	0.17	3.98	2.77	0.76	3.64	5.00	2.15	2.33
-3	0.67	0.17	4.00	2.81	0.77	3.65	5.08	2.18	2.34
-2	0.68	0.17	4.02	2.86	0.78	3.67	5.17	2.20	2.35
-1	0.69	0.17	4.04	2.91	0.79	3.69	5.25	2.23	2.36
0	0.70	0.17	4.06	2.95	0.80	3.71	5.33	2.25	2.37
1	0.71	0.18	4.08	3.00	0.81	3.72	5.42	2.28	2.38
2	0.72	0.18	4.09	3.04	0.81	3.74	5.50	2.30	2.39
3	0.80	0.18	4.38	3.09	0.83	3.75	5.58	2.34	2.39
4	0.87	0.19	4.64	3.14	0.84	3.76	5.67	2.38	2.39
5	0.95	0.19	4.89	3.19	0.85	3.77	5.75	2.41	2.38
6	0.97	0.20	4.95	4.09	0.91	4.52	7.50	2.46	3.05
7	1.00	0.20	5.00	4.20	0.92	4.57	7.70	2.50	3.08
8	1.03	0.20	5.05	4.31	0.93	4.61	7.90	2.54	3.11
9	1.05	0.21	5.10	4.42	0.95	4.66	8.10	2.58	3.14
10	1.08	0.21	5.15	4.53	0.96	4.70	8.30	2.62	3.17
11	1.10	0.21	5.19	4.63	0.98	4.74	8.49	2.65	3.20
12	1.13	0.22	5.24	4.74	0.99	4.78	8.69	2.69	3.23
13	1.15	0.22	5.28	4.85	1.01	4.82	8.89	2.73	3.25
14	1.18	0.22	5.33	4.96	1.02	4.86	9.05	2.76	3.29
15	1.21	0.22	5.37	5.07	1.03	4.90	9.16	2.76	3.32
16	1.23	0.23	5.41	5.18	1.05	4.94	9.27	2.76	3.36
17	1.26	0.23	5.45	5.28	1.06	4.97	9.45	2.79	3.39
18	1.28	0.23	5.49	5.39	1.08	5.01	9.55	2.79	3.43
19	1.31	0.24	5.52	5.50	1.09	5.04	9.65	2.79	3.46
20	1.34	0.24	5.56	5.61	1.11	5.08	9.76	2.79	3.50
21	1.36	0.24	5.59	5.72	1.12	5.11	9.85	2.79	3.53
22	1.39	0.25	5.63	5.83	1.13	5.14	9.95	2.79	3.57
23	1.41	0.25	5.66	5.93	1.15	5.17	10.05	2.79	3.60
24	1.44	0.25	5.69	6.04	1.16	5.20	10.15	2.79	3.64



Indoor : RAS-B50G3KVSG-ND

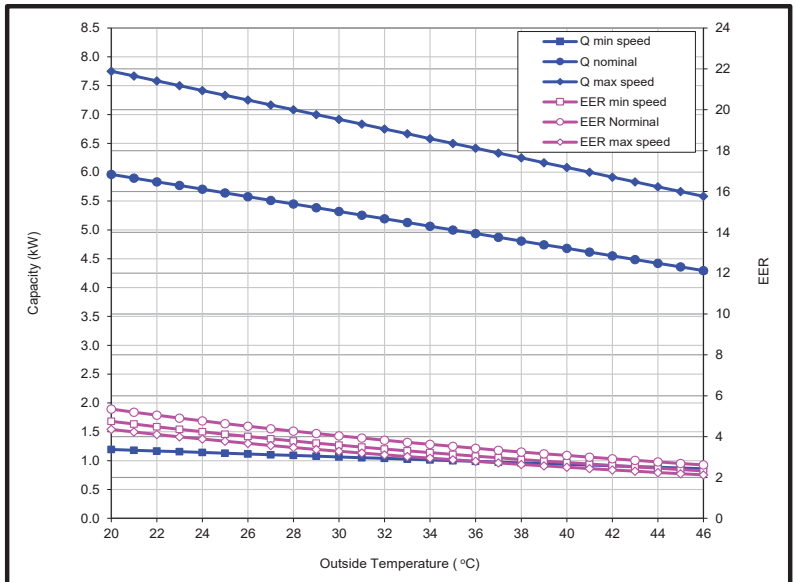
Outdoor : RAS-50G3AVSG-ND

Product specification :

Condition		Capacity (kW)	Power (kW)	EER/COP
Cooling JIS In: 27°C DB/19°C WB Out: 35°C DB/24°C WB	Min	1.00	0.32	3.13
	Rated	5.00	1.42	3.52
	Max	6.50	2.27	2.86
Heating JIS In: 20°C DB/15°C WB Out: 7°C DB/6°C WB	Min	1.00	0.28	3.57
	Rated	6.00	1.50	4.00
	Max	8.70	2.70	3.22
Heating Low Temp. In: 20°C DB/15°C WB Out: 2°C DB/1°C WB	Max	7.20	3.40	2.12
	Max	6.80	3.100	2.19
	Max	6.50	2.900	2.24
Heating Low Temp. In: 20°C DB/15°C WB Out: -10°C DB	Max	5.80	2.700	2.15
	Max	5.10	2.500	2.04
	Max	5.10	2.500	2.04

Cooling performance characteristic :

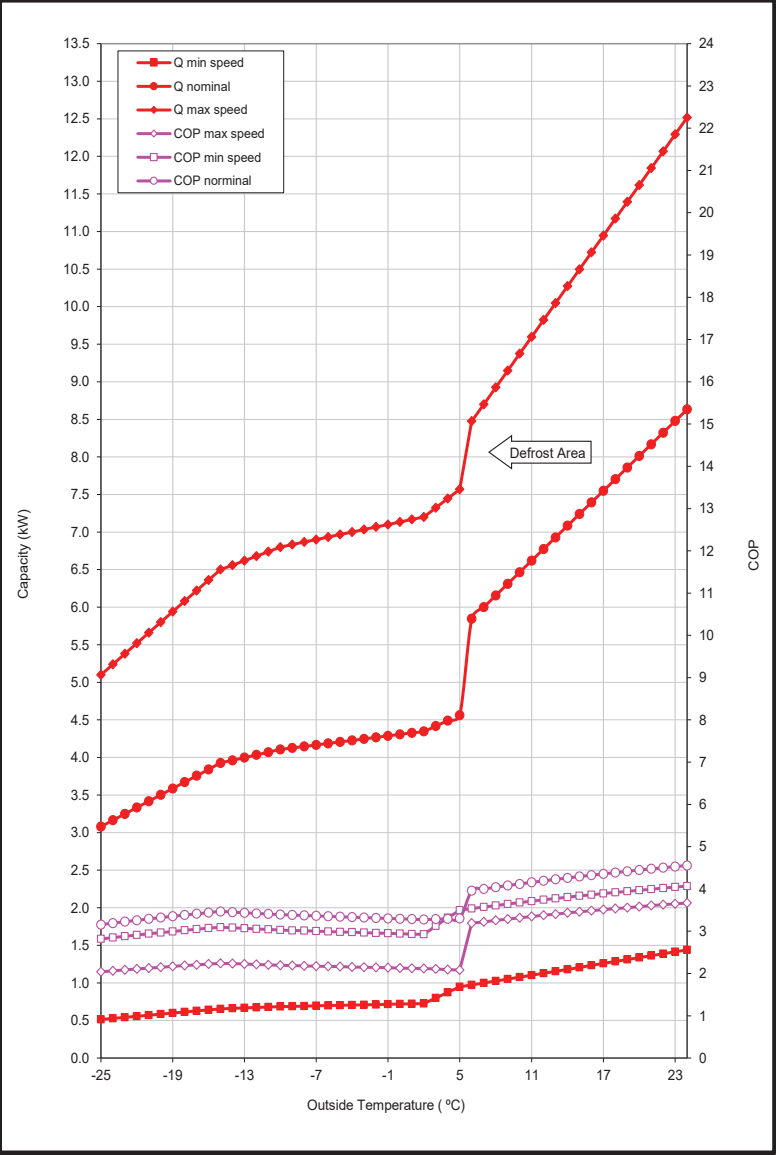
Outside Temp (°C)	Min capacity			Nominal capacity			Max capacity		
	Capacity (kW)	Power (kW)	EER (-)	Capacity (kW)	Power (kW)	EER (-)	Capacity (kW)	Power (kW)	EER (-)
20	1.19	0.25	4.75	5.96	1.11	5.35	7.75	1.78	4.35
21	1.18	0.26	4.61	5.90	1.14	5.20	7.67	1.81	4.23
22	1.17	0.26	4.48	5.83	1.16	5.05	7.58	1.85	4.11
23	1.15	0.26	4.36	5.77	1.18	4.91	7.50	1.88	3.99
24	1.14	0.27	4.23	5.71	1.20	4.77	7.42	1.91	3.88
25	1.13	0.27	4.12	5.64	1.22	4.64	7.33	1.94	3.77
26	1.12	0.28	4.00	5.58	1.24	4.51	7.25	1.98	3.67
27	1.10	0.28	3.89	5.51	1.26	4.39	7.17	2.01	3.57
28	1.09	0.29	3.79	5.45	1.28	4.27	7.08	2.04	3.47
29	1.08	0.29	3.68	5.39	1.30	4.15	7.00	2.07	3.37
30	1.06	0.30	3.58	5.32	1.32	4.04	6.92	2.11	3.28
31	1.05	0.30	3.49	5.26	1.34	3.93	6.83	2.14	3.19
32	1.04	0.31	3.39	5.19	1.36	3.82	6.75	2.17	3.11
33	1.03	0.31	3.30	5.13	1.38	3.72	6.67	2.20	3.02
34	1.01	0.32	3.21	5.06	1.40	3.62	6.58	2.24	2.94
35	1.00	0.32	3.13	5.00	1.42	3.52	6.50	2.27	2.86
36	0.99	0.32	3.04	4.94	1.44	3.43	6.42	2.30	2.79
37	0.97	0.33	2.96	4.87	1.46	3.34	6.33	2.34	2.71
38	0.96	0.33	2.88	4.81	1.48	3.25	6.25	2.37	2.64
39	0.95	0.34	2.80	4.74	1.50	3.16	6.17	2.40	2.57
40	0.94	0.34	2.73	4.68	1.52	3.07	6.08	2.43	2.50
41	0.92	0.35	2.66	4.62	1.54	2.99	6.00	2.47	2.43
42	0.91	0.35	2.58	4.55	1.56	2.91	5.92	2.50	2.37
43	0.90	0.36	2.52	4.49	1.58	2.83	5.83	2.53	2.31
44	0.88	0.36	2.45	4.42	1.60	2.76	5.75	2.56	2.24
45	0.87	0.37	2.38	4.36	1.62	2.68	5.67	2.60	2.18
46	0.86	0.37	2.32	4.29	1.64	2.61	5.58	2.63	2.12



Indoor : RAS-B50G3KVSG-ND
Outdoor : RAS-50G3AVSG-ND

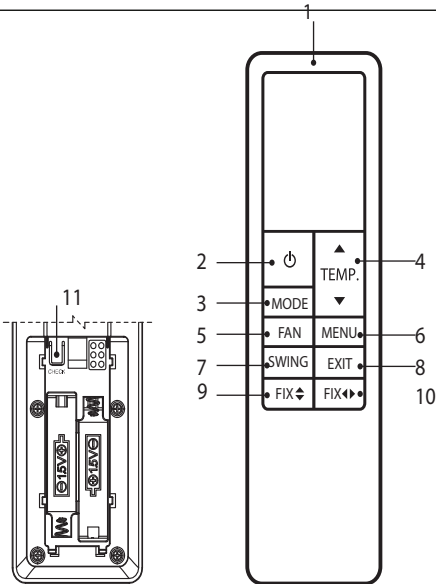
Heating performance characteristic :

Outside Temp (°C)	Min capacity			Nominal capacity			Max capacity		
	Capacity (kW)	Power (kW)	COP (-)	Capacity (kW)	Power (kW)	COP (-)	Capacity (kW)	Power (kW)	COP (-)
-25	0.51	0.18	2.82	3.08	0.98	3.16	5.10	2.50	2.04
-24	0.53	0.19	2.85	3.16	0.99	3.19	5.24	2.54	2.06
-23	0.54	0.19	2.88	3.25	1.01	3.23	5.38	2.58	2.09
-22	0.56	0.19	2.91	3.33	1.02	3.26	5.52	2.62	2.11
-21	0.57	0.19	2.94	3.42	1.04	3.29	5.66	2.66	2.13
-20	0.58	0.20	2.97	3.50	1.05	3.32	5.80	2.70	2.15
-19	0.60	0.20	2.99	3.59	1.07	3.35	5.94	2.74	2.17
-18	0.61	0.20	3.02	3.67	1.09	3.38	6.08	2.78	2.19
-17	0.63	0.21	3.05	3.76	1.10	3.41	6.22	2.82	2.21
-16	0.64	0.21	3.07	3.84	1.12	3.44	6.36	2.86	2.22
-15	0.65	0.21	3.10	3.93	1.13	3.47	6.50	2.90	2.24
-14	0.66	0.21	3.08	3.96	1.15	3.45	6.56	2.94	2.23
-13	0.67	0.22	3.07	4.00	1.16	3.44	6.62	2.98	2.22
-12	0.67	0.22	3.05	4.03	1.18	3.42	6.68	3.02	2.21
-11	0.68	0.22	3.04	4.07	1.19	3.41	6.74	3.06	2.20
-10	0.68	0.23	3.03	4.11	1.21	3.39	6.80	3.10	2.19
-9	0.69	0.23	3.02	4.13	1.22	3.38	6.83	3.13	2.19
-8	0.69	0.23	3.01	4.15	1.23	3.37	6.87	3.15	2.18
-7	0.69	0.23	3.00	4.17	1.24	3.36	6.90	3.18	2.17
-6	0.70	0.23	2.99	4.19	1.25	3.35	6.93	3.20	2.17
-5	0.70	0.24	2.98	4.21	1.26	3.34	6.97	3.23	2.16
-4	0.70	0.24	2.97	4.23	1.27	3.33	7.00	3.25	2.15
-3	0.71	0.24	2.97	4.25	1.28	3.32	7.03	3.28	2.15
-2	0.71	0.24	2.96	4.27	1.29	3.31	7.07	3.30	2.14
-1	0.71	0.24	2.95	4.29	1.30	3.30	7.10	3.33	2.14
0	0.72	0.24	2.94	4.31	1.31	3.29	7.13	3.35	2.13
1	0.72	0.25	2.93	4.33	1.32	3.28	7.17	3.38	2.12
2	0.72	0.25	2.92	4.35	1.33	3.28	7.20	3.40	2.12
3	0.80	0.26	3.13	4.42	1.35	3.28	7.32	3.48	2.10
4	0.87	0.26	3.32	4.49	1.36	3.29	7.44	3.56	2.09
5	0.95	0.27	3.50	4.56	1.38	3.30	7.57	3.64	2.08
6	0.97	0.28	3.53	5.85	1.48	3.96	8.48	2.66	3.19
7	1.00	0.28	3.57	6.00	1.50	4.00	8.70	2.70	3.22
8	1.03	0.28	3.61	6.15	1.52	4.04	8.92	2.74	3.25
9	1.05	0.29	3.64	6.31	1.55	4.08	9.15	2.78	3.29
10	1.08	0.29	3.68	6.46	1.57	4.12	9.37	2.83	3.32
11	1.10	0.30	3.71	6.62	1.59	4.16	9.60	2.87	3.35
12	1.13	0.30	3.74	6.77	1.62	4.19	9.82	2.91	3.38
13	1.15	0.31	3.77	6.93	1.64	4.23	10.05	2.95	3.40
14	1.18	0.31	3.80	7.08	1.66	4.26	10.27	2.99	3.43
15	1.21	0.31	3.83	7.24	1.69	4.29	10.50	3.03	3.46
16	1.23	0.32	3.86	7.39	1.71	4.33	10.72	3.08	3.48
17	1.26	0.32	3.89	7.55	1.73	4.36	10.95	3.12	3.51
18	1.28	0.33	3.92	7.70	1.76	4.39	11.17	3.16	3.53
19	1.31	0.33	3.94	7.86	1.78	4.42	11.39	3.20	3.56
20	1.34	0.34	3.97	8.01	1.80	4.45	11.62	3.24	3.58
21	1.36	0.34	4.00	8.17	1.83	4.48	11.84	3.29	3.60
22	1.39	0.35	4.02	8.32	1.85	4.50	12.07	3.33	3.63
23	1.41	0.35	4.04	8.48	1.87	4.53	12.29	3.37	3.65
24	1.44	0.35	4.07	8.63	1.89	4.56	12.52	3.41	3.67

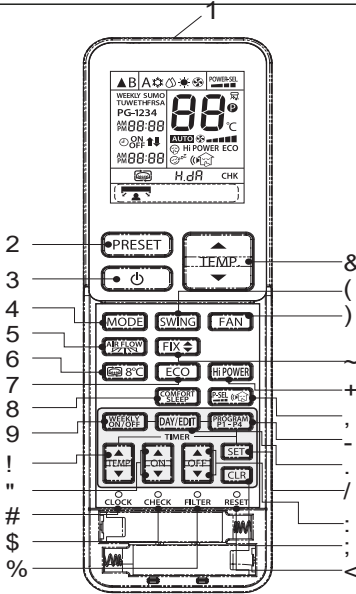


11. Accessories

Standard RC : WH-UD05UE (Black FCU)

Appearance	Remote control features
	1 Infrared signal emitter 2 Start/Stop button 3 Mode select button 4 Temperature button 5 Fan speed button 6 Menu select button 7 Swing louver button 8 Exit button 9 Set louver Up-Down button 10 Set louver Left-Right button 11. Check button* *Check button under battery cover

Standard RC : WH-TA15PE (White FCU)

Appearance	Remote control features
	1 Infrared signal emitter 2 Memory and Preset button (PRESET) 3 Start/Stop button 4 Mode select button (MODE) 5 Air flow/HADA CARE FLOW button 6 Fireplace/8°C button 7 ECO button 8 Comfort sleep button (COMFORT SLEEP) 9 Weekly timer (ON/OFF) ! Temp for Weekly timer " On timer button (ON) # Set clock button (CLOCK) \$ Check button (CHECK) % Filter reset button (FILTER) & Temperature button (TEMP) (Swing louver button (SWING)) Fan speed button (FAN) ~ Set louver button (FIX) + High power button (Hi POWER) , Power selection/Silent button (P-SEL/SILENT) - Program P1 - P4 . Day/Edit button / Setup button (SET) : Off timer button (OFF) ; Clear button (CLR) < Reset button (RESET)

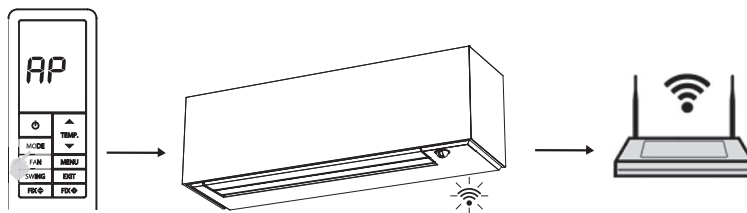
Toshiba Home AC Control application support



iOS : 9.0 or later.



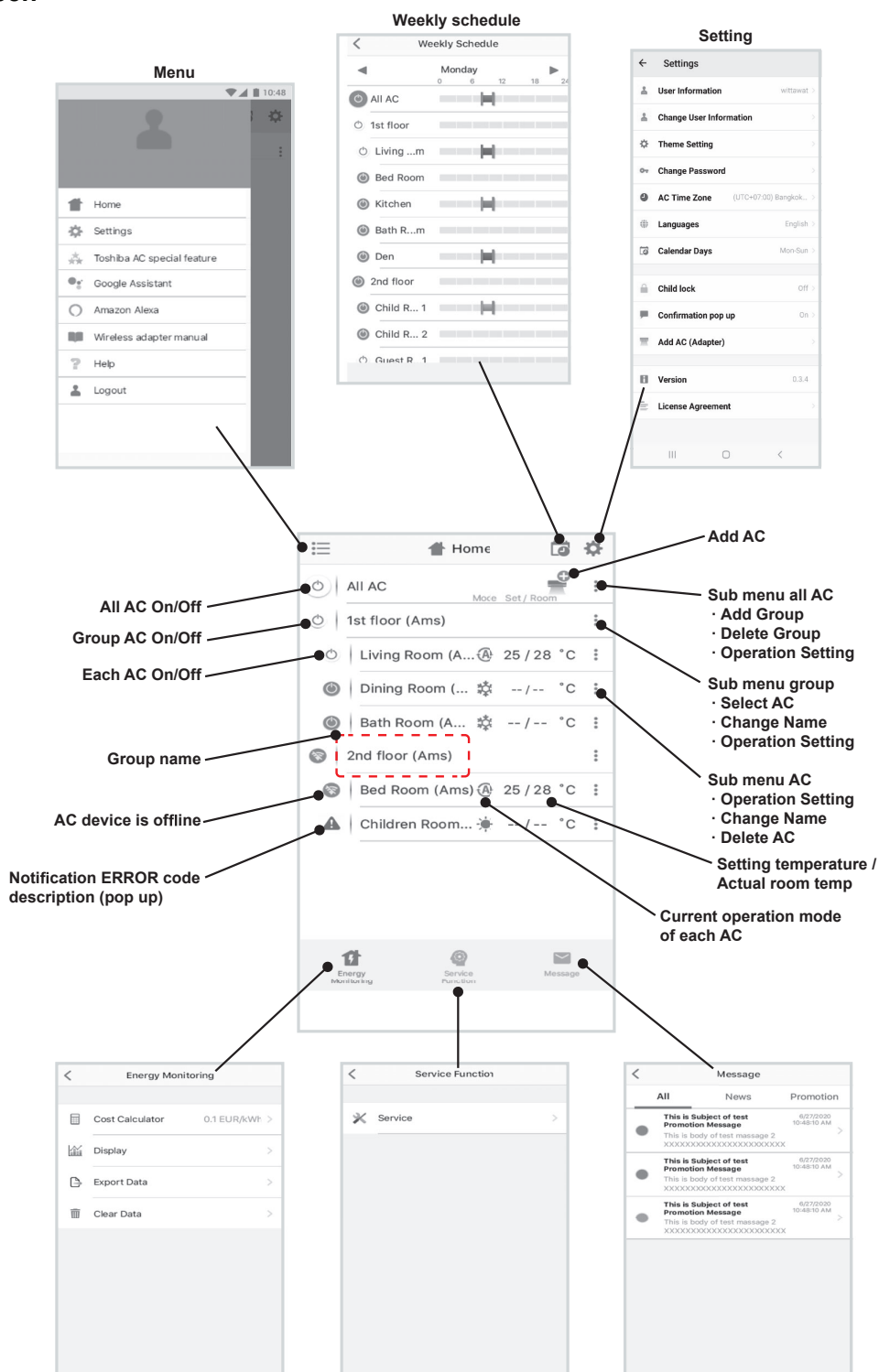
Android : Version 5.0 or later.



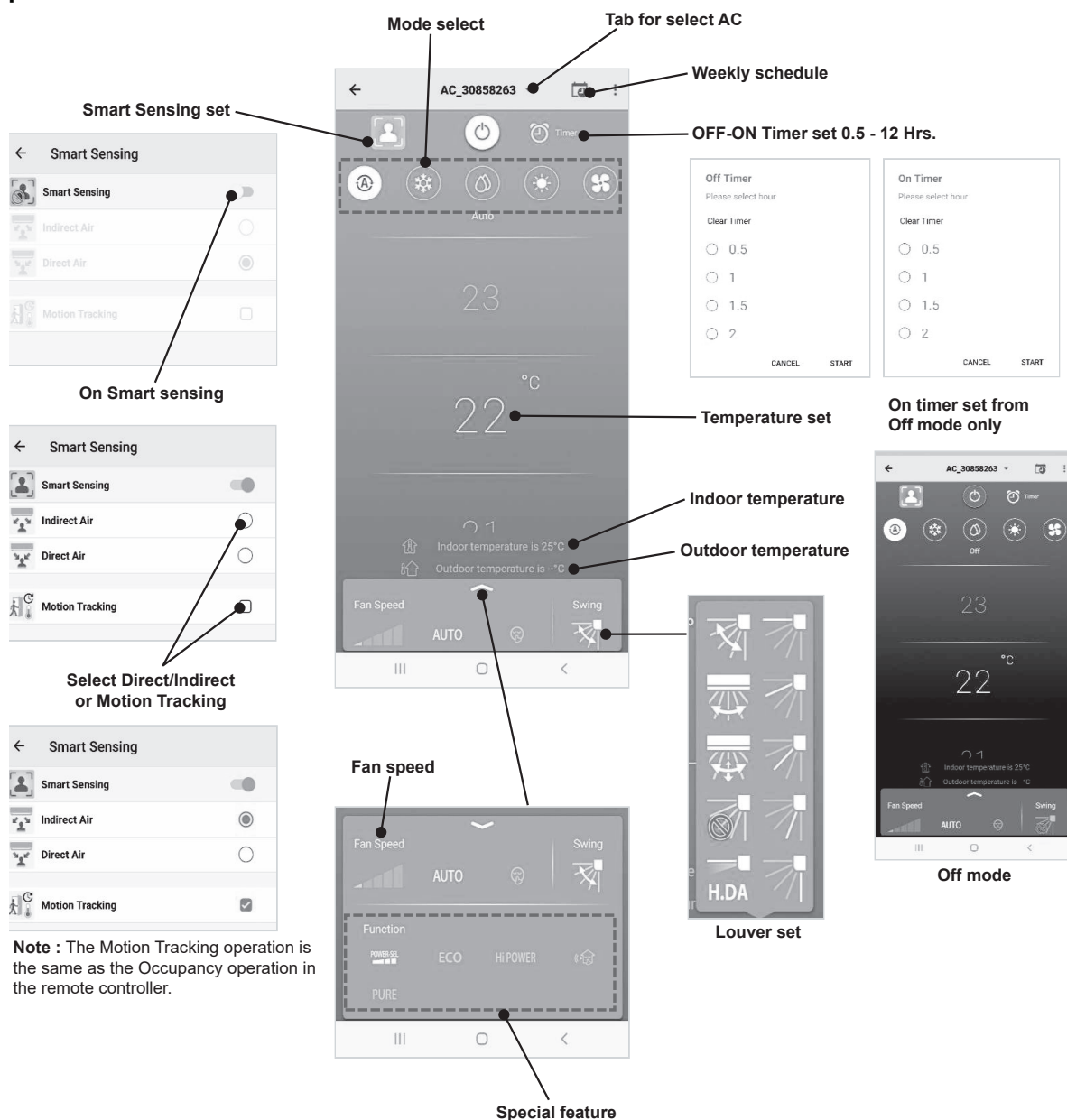
Active Wireless adapter by Remote controller.

Toshiba Home AC Control application

Home screen



Setting in operation mode



Summary Features

	Model code	Comfort sleep	Hi power	Silent CDU	Power select	Eco logic	Fix vertical	Swing vertical	Fix Horizontal	Swing Horizontal	3D airflow (Swing V&H)	HADA care
White FCU Standard RC	WH-TA15PE	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓
Black FCU Standard RC	WH-UD05UE	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wi-Fi	Built-in and option	✗	✓	✓	✓	✓	✓	✓	✗	✓*	✓*	✗

*Only Black FCU

	Model code	Preset	Fan speed	Quiet FCU	8° C	Fire place	Off timer (0.5, 1-12hrs.)	24 Hrs. on-off timer	Weekly timer	On demand defrost	FCU led Dimming	Backlight display	Luminous button	Wired connect able RC
White FCU Standard RC	WH-TA15PE	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✗	✓	✓
Black FCU Standard RC	WH-UD05UE	✗	✓	✓	✓5-30°C	✓	✓	✗	✗	✓	✓	✓	✗	✗
Wi-Fi	Built-in and option	✗	✓	✓	✓	✓	✓	✗	✓	✗	✗			

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