

Residential Inverter Heat Pump

SHORAI Black and White

Indoor Units

RAS-B07P2KVSG(B)-E

RAS-B10P2KVSG(B)-E

RAS-B13P2KVSG(B)-E

RAS-B16P2KVSG(B)-E

RAS-B18P2KVSG(B)-E

RAS-B22P2KVSG(B)-E

RAS-B24P2KVSG(B)-E

RAS-10P2KVSG(B)-TR

RAS-13P2KVSG(B)-TR

RAS-16P2KVSG(B)-TR

RAS-18P2KVSG(B)-TR

RAS-22P2KVSG(B)-TR

RAS-24P2KVSG(B)-TR

Outdoor Units

RAS-07P2AVSG-E

RAS-10P2AVSG-E / TR

RAS-13P2AVSG-E / TR

RAS-16P2AVSG-E / TR

RAS-18P2AVSG-E / TR

RAS-22P2AVSG-E / TR

RAS-24P2AVSG-E / TR

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1. Line up

Indoor Unit	Outdoor Unit	Model Name		Capacity Rank
		FCU	CDU	
 White : RAS-B__P2KVSG-E/TR  Black : RAS-B__P2KVSG-B-E/TR FCU Chassis BF1 for 07,10,13,16,18,22K	 CDU Chassis NADR for 07, 10, 13, 16, 18, 22K	RAS-B07P2KVSG-E RAS-B07P2KVSG-B-E	RAS-07P2AVSG-E	07k
		RAS-B10P2KVSG-E RAS-B10P2KVSG-B-E RAS-B10P2KVSG-TR RAS-B10P2KVSG-B-TR	RAS-10P2AVSG-E RAS-10P2AVSG-TR	10k
		RAS-B13P2KVSG-E RAS-B13P2KVSG-B-E RAS-B13P2KVSG-TR RAS-B13P2KVSG-B-TR	RAS-13P2AVSG-E RAS-13P2AVSG-TR	13k
		RAS-B16P2KVSG-E RAS-B16P2KVSG-B-E RAS-B16P2KVSG-TR RAS-B16P2KVSG-B-TR	RAS-16P2AVSG-E RAS-16P2AVSG-TR	16k
 White : RAS-B__P2KVSG-E/TR  Black : RAS-B__P2KVSG-B-E/TR FCU Chassis BF2 for 18,22,24k	 CDU Chassis 630H for 24K	RAS-B18P2KVSG-E RAS-B18P2KVSG-B-E RAS-B18P2KVSG-TR RAS-B18P2KVSG-B-TR	RAS-18P2AVSG-E RAS-18P2AVSG-TR	18k
		RAS-B22P2KVSG-E RAS-B22P2KVSG-B-E RAS-B22P2KVSG-TR RAS-B22P2KVSG-B-TR	RAS-22P2AVSG-E RAS-22P2AVSG-TR	22k
		RAS-B24P2KVSG-E RAS-B24P2KVSG-B-E RAS-B24P2KVSG-TR RAS-B24P2KVSG-B-TR	RAS-24P2AVSG-E RAS-24P2AVSG-TR	24k

Accessories

	Standard remote controller WH-UE08UE for Black FCU WH-UE07UE for White FCU
	Wi-Fi built-in from factory Support energy monitoring function Application Toshiba Home AC control

2. Specifications

Model		Indoor Unit		RAS-B07P2KVSG-E	
		Outdoor Unit		RAS-07P2AVSG-E	
Cooling capacity				(kW)	2.00
Cooling capacity range				(kW)	(0.89-1.00-2.90)
APF				17.44	
SEER				(8.50)	
Heating capacity				(kW)	2.50
Heating capacity range				(kW)	(0.90-1.25-3.60)
APF				17.00	
SCOP				5.10	
Power supply				1Ph., 220V, 230V, 240V, 50Hz.	
Electrical characteristic	Indoor unit	Operation mode		Cooling	Heating
		Running current (A)		0.21(0.22-0.20)	0.21(0.22-0.20)
		Power consumption (W)		30	30
		Power factor (%)		62	62
		Indoor noise (H/L/Q) (dB)		41/22/19	40/22/19
		Indoor air flow (H/M/L) (m³/hr)		640/420/310	640/450/320
	Outdoor unit	Running current (A)		1.92	2.48
		Power consumption (W)		360	470
		Power factor (%)		85	86
		Outdoor noise (Rated) (dB)		44	46
		Air flow rate (m³/hr)		1890	1890
	Total	Rated Current (A)		2.05(2.14-1.95)	2.60(2.70-2.49)
		Rated power consumption (W)		390	500
		Rated power factor (%)		83.0	84.0
Maximum current (total) (A)		4.50			
Maximum of power consumption (W)		820			
Dimension	Indoor unit	Height (mm)		293	
		Width (mm)		822	
		Depth (mm)		226	
		Weight (kg)		11	
	Outdoor unit	Height (mm)		550	
		Width (mm)		780	
		Depth (mm)		290	
		Weight (kg)		26	
Refrigerant				R32	
Refrigerant amount (kg)				0.55	
Connecting pipe	Gas side (mm)		9.52		
	Liquid side (mm)		6.35		
	Chargeless length condition (m)		15.0		
	Maximum length (m)		over 20 need to extra charge 20 g/m		
	Maximum Height (m)		12		
Energy label (Cooling / Heating)				A+++, A+++/A+++/- (LOT10)	
Operating range	Cooling °C		Inside:21°C ~32°C /Outside:-15°C ~46°C		
	Heating °C		Inside:0°C ~28°C /Outside:-20°C ~24°C		

This specification refer to JISC9612, rated conditions.

Cooling capacity : Inside air temperature 27°C (Db) / 19°C (Wb), outside air temperature 35°C (Db) / 24°C (Wb),

Heating capacity : Inside air temperature 20°C (Db) / 15°C (Wb), outside air temperature 7°C (Db) / 6°C (Wb),

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

Model		Indoor Unit		RAS-B10P2KVSG-E/TR			
		Outdoor Unit		RAS-10P2AVSG-E/TR			
Cooling capacity				(kW)	2.50		
Cooling capacity range				(kW)	(1.00-1.25-3.20)		
APF					15.74		
SEER					(8.60)		
Heating capacity				(kW)	3.20		
Heating capacity range				(kW)	(1.00-1.60-4.80)		
APF					15.57		
SCOP					5.10		
Power supply				1Ph., 220V, 230V, 240V, 50Hz.			
Electrical characteristic		Indoor unit	Operation mode		Cooling	Heating	
			Running current		(A)	0.24(0.25-0.23)	0.24(0.25-0.23)
			Power consumption		(W)	35	35
			Power factor		(%)	63	63
			Indoor noise (H/L/Q)		(dB)	41/22/19	40/22/19
			Indoor air flow (H/M/L)		(m³/hr)	680/490/310	680/450/320
		Outdoor unit	Running current		(A)	2.74	3.45
			Power consumption		(W)	505	665
			Power factor		(%)	84	87
			Outdoor noise (Rated)		(dB)	44	46
			Air flow rate		(m³/hr)	1890	1890
		Total	Rated Current		(A)	2.85(3.00-2.75)	3.55(3.70-3.40)
			Rated power consumption		(W)	540	700
			Rated power factor		(%)	82.0	86.0
		Maximum current (total)		(A)	6.20		
		Maximum of power consumption		(W)	1230		
Dimension		Indoor unit	Height		(mm)	293	
			Width		(mm)	822	
			Depth		(mm)	226	
			Weight		(kg)	11	
		Outdoor unit	Height		(mm)	550	
			Width		(mm)	780	
			Depth		(mm)	290	
			Weight		(kg)	27	
Refrigerant				R32			
Refrigerant amount				(kg)	0.65		
Connecting pipe		Gas side		(mm)	9.52		
		Liquid side		(mm)	6.35		
		Chargeless length condition		(m)	15.0		
		Maximum length		(m)	over 20 need to extra charge 20 g/m		
		Maximum Height		(m)	12.0		
Energy label (Cooling / Heating)				A+++,A+++/A++/- (LOT10)			
Operating range		Cooling		°C	Inside:21°C ~32°C /Outside:-15°C ~46°C		
		Heating		°C	Inside:0°C ~28°C /Outside:-20°C ~24°C		

This specification refer to JISC9612, rated conditions.

Cooling capacity : Inside air temperature 27°C (Db) / 19°C (Wb), outside air temperature 35°C (Db) / 24°C (Wb),
 Heating capacity : Inside air temperature 20°C (Db) / 15°C (Wb), outside air temperature 7°C (Db) / 6°C (Wb),

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Model	Indoor Unit		RAS-B13P2KVSG-E/TR	
	Outdoor Unit		RAS-13P2AVSG-E/TR	
Cooling capacity		(kW)	3.50	
Cooling capacity range		(kW)	(1.00-1.75-4.10)	
APF			13.84	
SEER			(8.60)	
Heating capacity		(kW)	4.20	
Heating capacity range		(kW)	(1.00-2.10-5.30)	
APF			13.24	
SCOP			5.10	
Power supply			1Ph., 220V, 230V, 240V, 50Hz.	
Electrical characteristic	Indoor unit	Operation mode	Cooling	Heating
		Running current (A)	0.27(0.28-0.25)	0.27(0.28-0.26)
		Power consumption (W)	40	40
		Power factor (%)	64	64
		Indoor noise (H/L/Q) (dB)	43/23/19	43/23/19
		Indoor air flow (H/M/L) (m³/hr)	690/490/320	730/490/320
	Outdoor unit	Running current (A)	4.06	4.86
		Power consumption (W)	820	1040
		Power factor (%)	92	97
		Outdoor noise (Rated) (dB)	47	49
		Air flow rate (m³/hr)	1940	1940
	Total	Rated Current (A)	4.15(4.35-3.99)	4.95(5.15-4.75)
		Rated power consumption (W)	860	1080
		Rated power factor (%)	90.0	95.0
	Maximum current (total) (A)		8.00	
	Maximum of power consumption (W)		1420	
Dimension	Indoor unit	Height (mm)	293	
		Width (mm)	822	
		Depth (mm)	226	
		Weight (kg)	11	
	Outdoor unit	Height (mm)	550	
		Width (mm)	780	
		Depth (mm)	290	
		Weight (kg)	31	
Refrigerant			R32	
Refrigerant amount		(kg)	0.8	
Connecting pipe		Gas side (mm)	9.52	
		Liquid side (mm)	6.35	
		Chargeless length condition (m)	15.0	
		Maximum length (m)	over 20 need to extra charge 20 g/m	
		Maximum Height (m)	12.0	
Energy label (Cooling / Heating)			A+++,A+++/A+++/-(LOT10)	
Operating range	Cooling	°C	Inside:21°C ~32°C /Outside:-15°C ~46°C	
	Heating	°C	Inside:0°C ~28°C /Outside:-20°C ~24°C	

This specification refer to JISC9612, rated conditions.

Cooling capacity : Inside air temperature 27°C (Db) / 19°C (Wb), outside air temperature 35°C (Db) / 24°C (Wb),
 Heating capacity : Inside air temperature 20°C (Db) / 15°C (Wb), outside air temperature 7°C (Db) / 6°C (Wb),

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Model		Indoor Unit		RAS-B16P2KVSG-E/TR	
		Outdoor Unit		RAS-16P2AVSG-E/TR	
Cooling capacity			(kW)	4.60	
Cooling capacity range			(kW)	(1.20-2.30-5.30)	
APF				11.56	
SEER				(7.80)	
Heating capacity			(kW)	5.50	
Heating capacity range			(kW)	(1.10-2.75-6.50)	
APF				12.64	
SCOP				4.60	
Power supply				1Ph., 220V, 230V, 240V, 50Hz.	
Electrical characteristic	Indoor unit	Operation mode		Cooling	Heating
		Running current (A)		0.30(0.31-0.29)	0.30(0.31-0.29)
		Power consumption (W)		45	45
		Power factor (%)		65	65
		Indoor noise (H/L/Q) (dB)		44/25/22	44/26/22
		Indoor air flow (H/M/L) (m³/hr)		710/490/340	720/490/340
	Outdoor unit	Running current (A)		6.43	6.88
		Power consumption (W)		1305	1435
		Power factor (%)		92	95
		Outdoor noise (Rated) (dB)		49	50
		Air flow rate (m³/hr)		2040	2040
	Total	Rated Current (A)		6.45(6.75-6.20)	6.90(7.20-6.60)
		Rated power consumption (W)		1350	1480
		Rated power factor (%)		91.0	93.0
	Maximum current (total) (A)		9.50		
Maximum of power consumption (W)		1920			
Dimension	Indoor unit	Height (mm)	293		
		Width (mm)	822		
		Depth (mm)	226		
		Weight (kg)	11		
	Outdoor unit	Height (mm)	550		
		Width (mm)	780		
		Depth (mm)	290		
		Weight (kg)	30		
Refrigerant			R32		
Refrigerant amount (kg)			0.8		
Connecting pipe	Gas side (mm)	12.7			
	Liquid side (mm)	6.35			
	Chargeless length condition (m)	15.0			
	Maximum length (m)	over 20 need to extra charge 20 g/m			
	Maximum Height (m)	12.0			
Energy label (Cooling / Heating)			A++,A++/A+++/- (LOT10)		
Operating range	Cooling °C	Inside:21°C ~32°C /Outside:-15°C ~46°C			
	Heating °C	Inside:0°C ~28°C /Outside:-20°C ~24°C			

This specification refer to JISC9612, rated conditions.

Cooling capacity : Inside air temperature 27°C (Db) / 19°C (Wb), outside air temperature 35°C (Db) / 24°C (Wb),

Heating capacity : Inside air temperature 20°C (Db) / 15°C (Wb), outside air temperature 7°C (Db) / 6°C (Wb),

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Model		Indoor Unit		RAS-B18P2KVSG-E/TR	
		Outdoor Unit		RAS-18P2AVSG-E/TR	
Cooling capacity			(kW)	5.00	
Cooling capacity range			(kW)	(1.20-2.50-6.00)	
APF				11.97	
SEER				(7.30)	
Heating capacity			(kW)	6.00	
Heating capacity range			(kW)	(1.10-3.00-6.50)	
APF				12.83	
SCOP				4.60	
Power supply				1Ph., 220V, 230V, 240V, 50Hz.	
Electrical characteristic	Indoor unit	Operation mode		Cooling	Heating
		Running current (A)		0.29(0.30-0.28)	0.29(0.30-0.28)
		Power consumption (W)		40	40
		Power factor (%)		60	60
		Indoor noise (H/L/Q) (dB)		44/31/26	44/31/26
		Indoor air flow (H/M/L) (m³/hr)		980/730/590	980/730/590
	Outdoor unit	Running current (A)		6.59	7.19
		Power consumption (W)		1380	1550
		Power factor (%)		95	98
		Outdoor noise (Rated) (dB)		49	50
		Air flow rate (m³/hr)		2070	2070
	Total	Rated Current (A)		6.60(6.90-6.32)	7.20(7.50-6.90)
		Rated power consumption (W)		1420	1590
		Rated power factor (%)		94.0	96.0
	Maximum current (total) (A)		10.00		
Maximum of power consumption (W)		2040			
Dimension	Indoor unit	Height (mm)	320		
		Width (mm)	1076		
		Depth (mm)	248		
		Weight (kg)	14		
	Outdoor unit	Height (mm)	550		
		Width (mm)	780		
		Depth (mm)	290		
		Weight (kg)	32		
Refrigerant			R32		
Refrigerant amount (kg)			1.1		
Connecting pipe		Gas side (mm)	12.7		
		Liquid side (mm)	6.35		
		Chargeless length condition (m)	15.0		
		Maximum length (m)	over 20 need to extra charge 20 g/m		
		Maximum Height (m)	12.0		
Energy label (Cooling / Heating)			A++ ,A++/A+++/- (LOT10)		
Operating range	Cooling	°C	Inside:21°C ~32°C /Outside:-15°C ~46°C		
	Heating	°C	Inside:0°C ~28°C /Outside:-20°C ~24°C		

This specification refer to JISC9612, rated conditions.

Cooling capacity : Inside air temperature 27°C (Db) / 19°C (Wb), outside air temperature 35°C (Db) / 24°C (Wb),

Heating capacity : Inside air temperature 20°C (Db) / 15°C (Wb), outside air temperature 7°C (Db) / 6°C (Wb),

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Model		Indoor Unit		RAS-B22P2KVSG-E/TR	
		Outdoor Unit		RAS-22P2AVSG-E/TR	
Cooling capacity				(kW)	6.10
Cooling capacity range				(kW)	(1.39-3.05-6.70)
APF					10.45
SEER					(7.30)
Heating capacity				(kW)	7.00
Heating capacity range				(kW)	(1.15-3.50-7.50)
APF					11.90
SCOP					4.60
Power supply				1Ph., 220V, 230V, 240V, 50Hz.	
Electrical characteristic	Indoor unit	Operation mode		Cooling	Heating
		Running current		(A)0.32(0.33-0.30)	0.32(0.33-0.30)
		Power consumption		(W)45	45
		Power factor		(%)61	61
		Indoor noise (H/L/Q)		(dB)46/34/27	46/34/27
		Indoor air flow (H/M/L)		(m³/hr)1070/780/640	1040/780/640
	Outdoor unit	Running current		(A)9.16	9.21
		Power consumption		(W)1945	1955
		Power factor		(%)96	96
		Outdoor noise (Rated)		(dB)50	51
		Air flow rate		(m³/hr)2180	2180
	Total	Rated Current		(A)9.10(9.50-8.70)	9.15(9.55-8.75)
		Rated power consumption		(W)1990	2000
		Rated power factor		(%)95.0	95.0
	Maximum current (total)				(A)12.00
Maximum of power consumption				(W)2570	
Dimension	Indoor unit	Height		(mm)320	
		Width		(mm)1076	
		Depth		(mm)248	
		Weight		(kg)14	
	Outdoor unit	Height		(mm)550	
		Width		(mm)780	
		Depth		(mm)290	
		Weight		(kg)33	
Refrigerant				R32	
Refrigerant amount				(kg)1.1	
Connecting pipe		Gas side		(mm)12.7	
		Liquid side		(mm)6.35	
		Chargeless length condition		(m)15.0	
		Maximum length		(m)over 20 need to extra charge 20 g/m	
		Maximum Height		(m)12.0	
Energy label (Cooling / Heating)				A++,A++ / A+++ / - (LOT10)	
Operating range	Cooling		°C	Inside:21°C ~32°C /Outside:-15°C ~46°C	
	Heating		°C	Inside:0°C ~28°C /Outside:-20°C ~24°C	

This specification refer to JISC9612, rated conditions.

Cooling capacity : Inside air temperature 27°C (Db) / 19°C (Wb), outside air temperature 35°C (Db) / 24°C (Wb),

Heating capacity : Inside air temperature 20°C (Db) / 15°C (Wb), outside air temperature 7°C (Db) / 6°C (Wb),

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Model		Indoor Unit		RAS-B24P2KVSG-E/TR	
		Outdoor Unit		RAS-24P2AVSG-E/TR	
Cooling capacity			(kW)	7.00	
Cooling capacity range			(kW)	(1.70-3.50-7.70)	
APF				10.13	
SEER				(6.30)	
Heating capacity			(kW)	8.00	
Heating capacity range			(kW)	(1.70-4.00-8.80)	
APF				11.57	
SCOP				4.10	
Power supply				1Ph., 220V, 230V, 240V, 50Hz.	
Electrical characteristic	Indoor unit	Operation mode		Cooling	Heating
		Running current (A)		0.35(0.36-0.33)	0.35(0.36-0.33)
		Power consumption (W)		50	50
		Power factor (%)		62	62
		Indoor noise (H/L/Q) (dB)		47/35/28	48/35/28
		Indoor air flow (H/M/L) (m³/hr)		1070/820/670	1120/850/720
	Outdoor unit	Running current (A)		10.73	10.83
		Power consumption (W)		2300	2300
		Power factor (%)		97	96
		Outdoor noise (Rated) (dB)		52	54
		Air flow rate (m³/hr)		2910	2910
	Total	Rated Current (A)		10.65(11.10-10.20)	10.75(11.20-10.30)
		Rated power consumption (W)		2350	2350
		Rated power factor (%)		96.0	95.0
Maximum current (total) (A)			12.00		
Maximum of power consumption (W)			2610		
Dimension	Indoor unit	Height (mm)	320		
		Width (mm)	1076		
		Depth (mm)	248		
		Weight (kg)	15		
	Outdoor unit	Height (mm)	630		
		Width (mm)	800		
		Depth (mm)	300		
		Weight (kg)	36		
Refrigerant			R32		
Refrigerant amount (kg)			1.14		
Connecting pipe	Gas side (mm)	12.7			
	Liquid side (mm)	6.35			
	Chargeless length condition (m)	15.0			
	Maximum length (m)	over 25 need to extra charge 20 g/m			
	Maximum Height (m)	15.0			
Energy label (Cooling / Heating)			A++,A+/A+++/(LOT10)		
Operating range	Cooling °C	Inside:21°C ~32°C /Outside:-15°C ~46°C			
	Heating °C	Inside:0°C ~28°C /Outside:-20°C ~24°C			

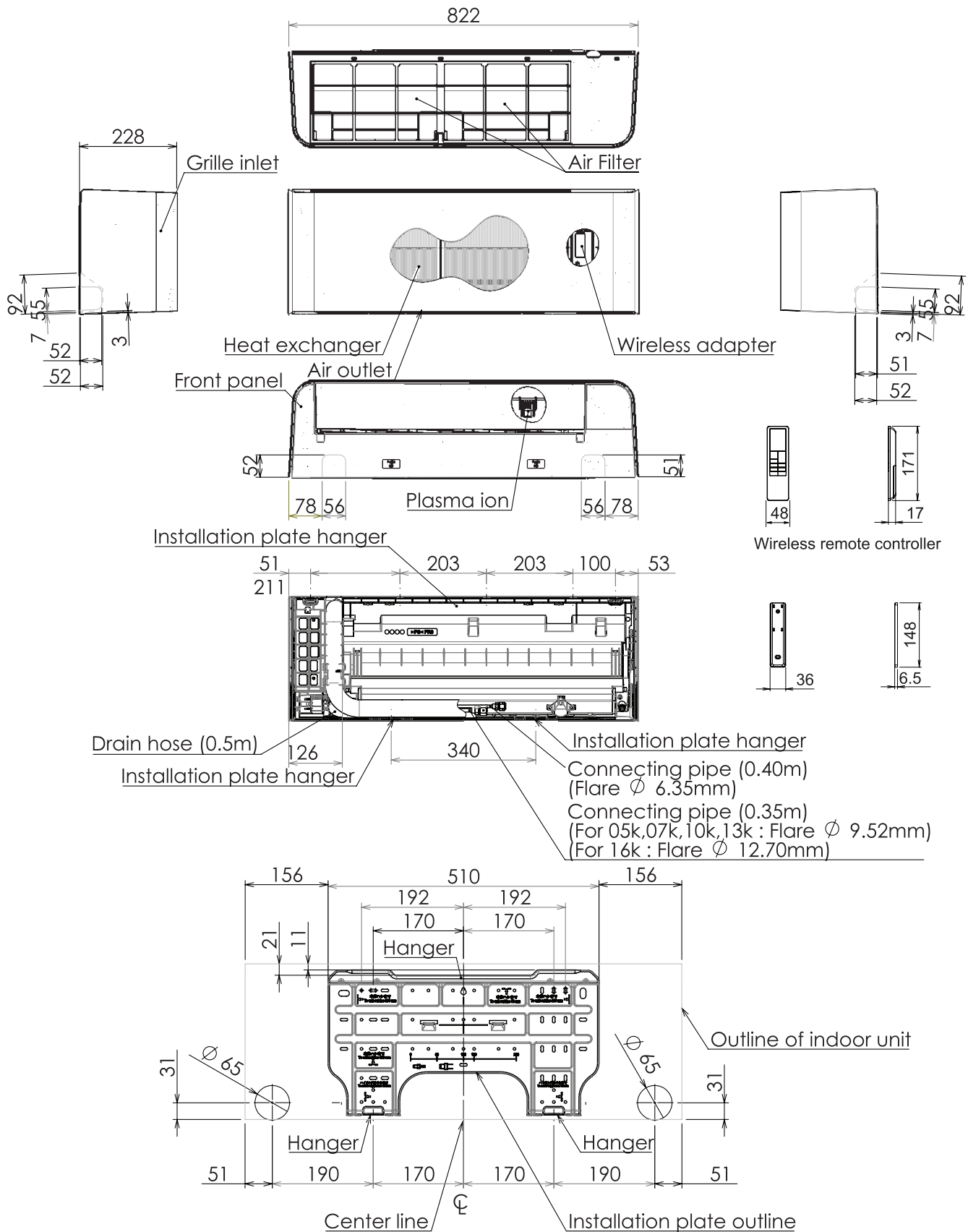
This specification refer to JISC9612, rated conditions.

Cooling capacity : Inside air temperature 27°C (Db) / 19°C (Wb), outside air temperature 35°C (Db) / 24°C (Wb),
 Heating capacity : Inside air temperature 20°C (Db) / 15°C (Wb), outside air temperature 7°C (Db) / 6°C (Wb),

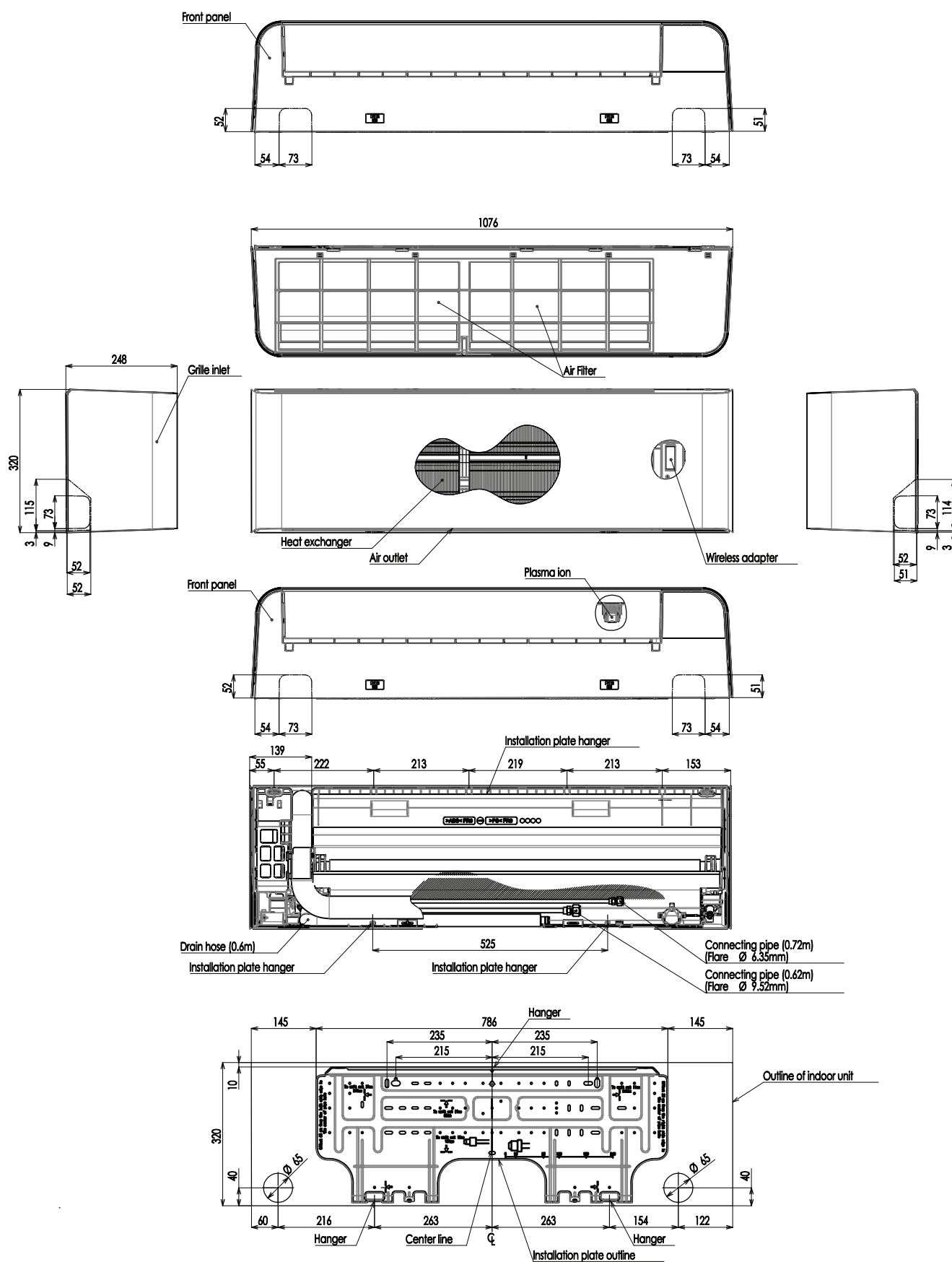
The specification may be subject to change without notice for purpose of improvement.

3. Dimensions

Indoor Unit : RAS-B__P2KVSG(B)-E (07/10/13/16), RAS-B__P2KVSG(B)-TR (10/13/16)

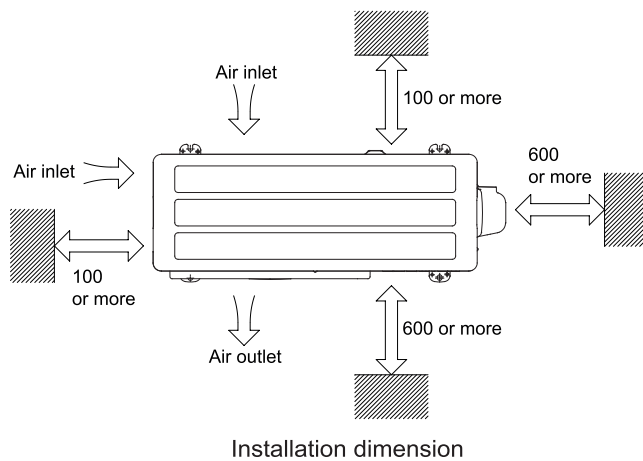
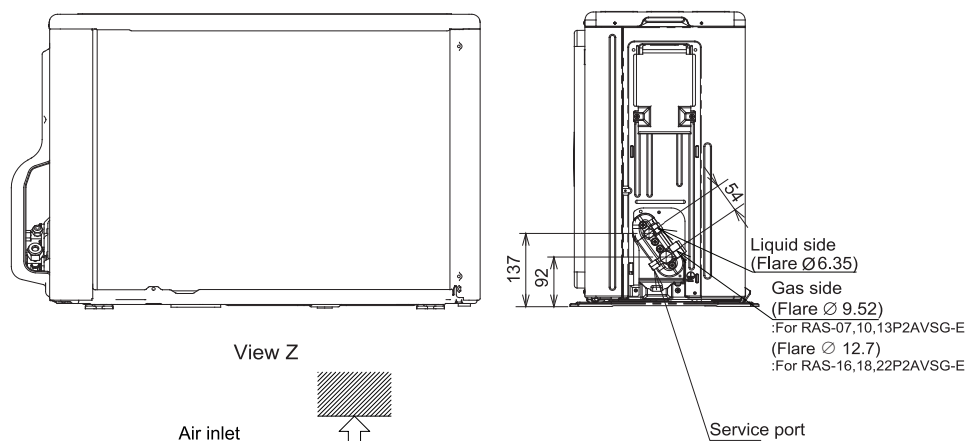
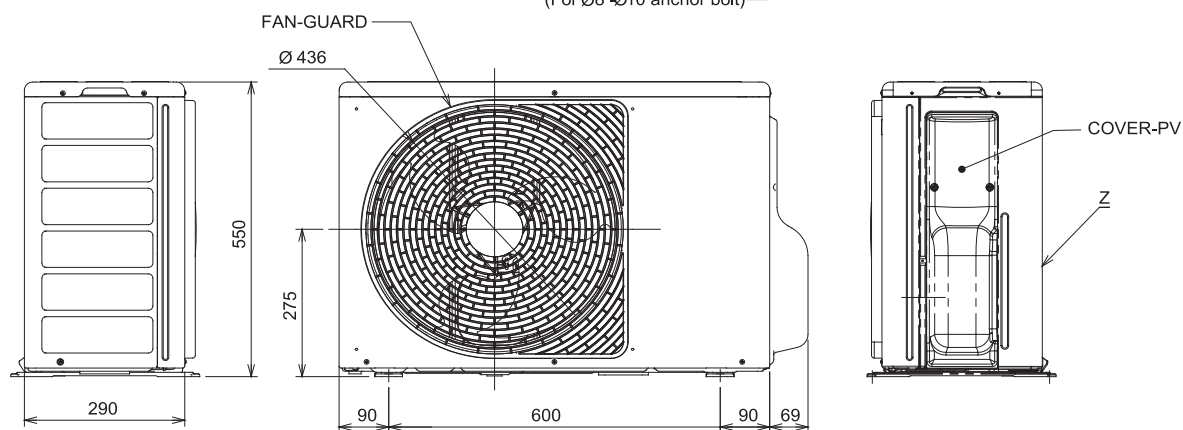
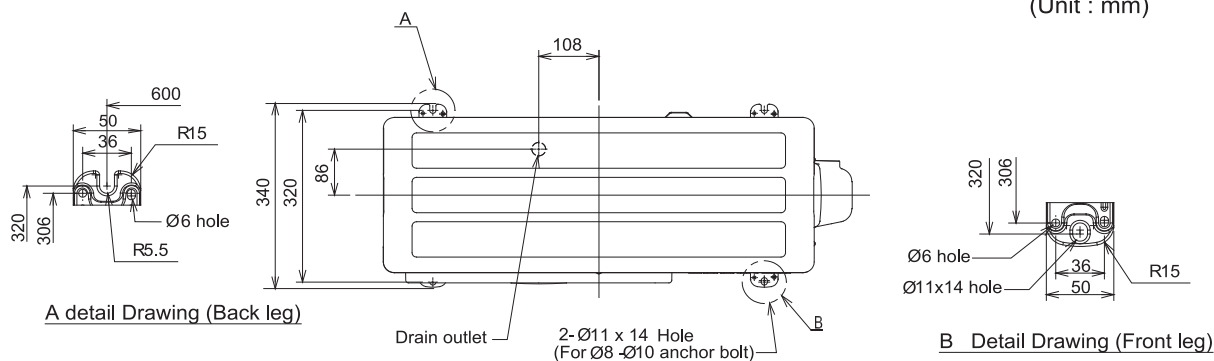


Indoor Unit : RAS-B__*P2KVSG(B)-E/TR (*18/22/24)



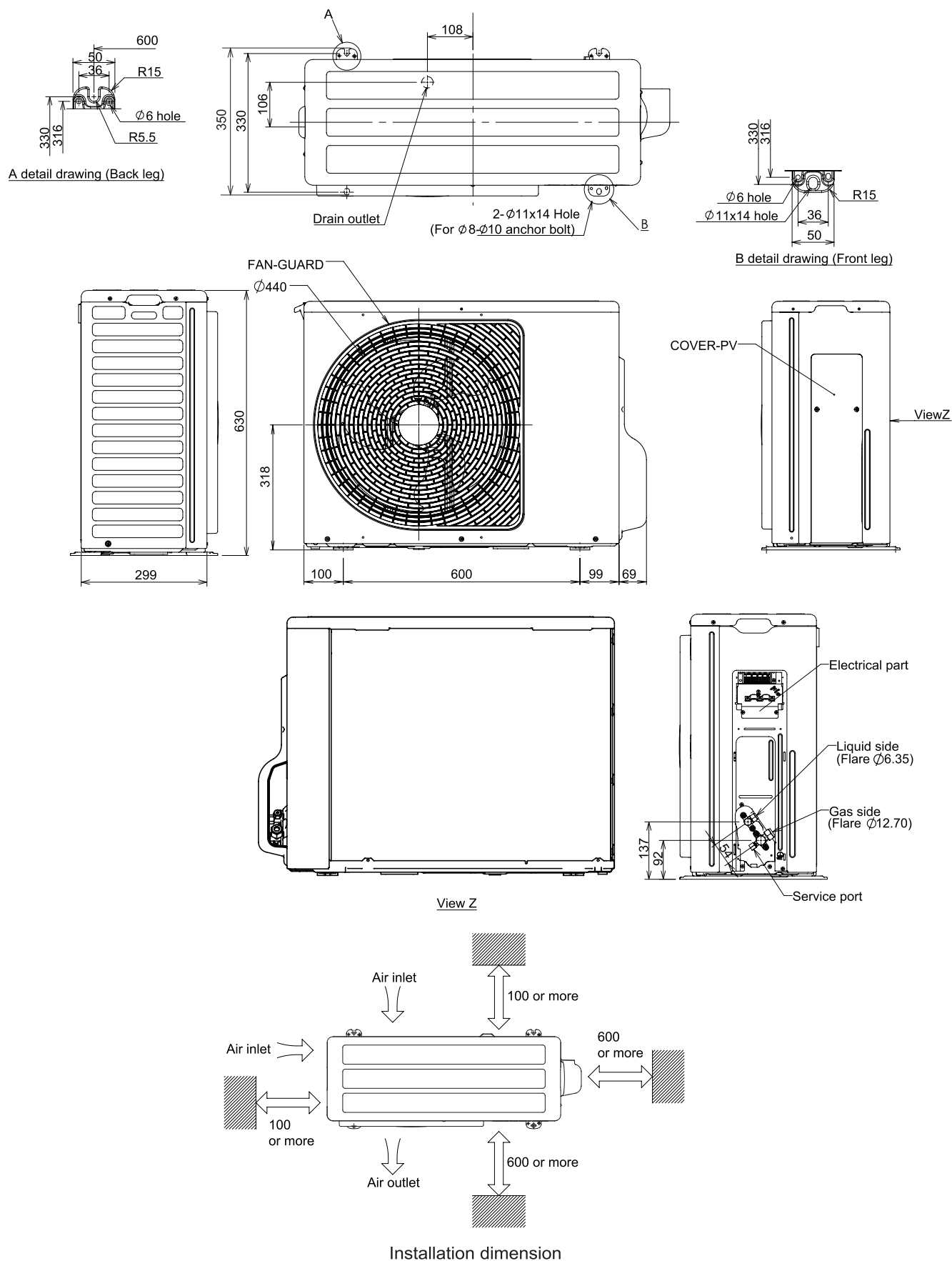
Outdoor Unit : RAS-__*P2AVSG-E (*07/10/13/16/18/22), RAS-__*P2AVSG-E (*10/13/16/18/22)

(Unit : mm)



Outdoor Unit : RAS-24P2AVSG-E/TR

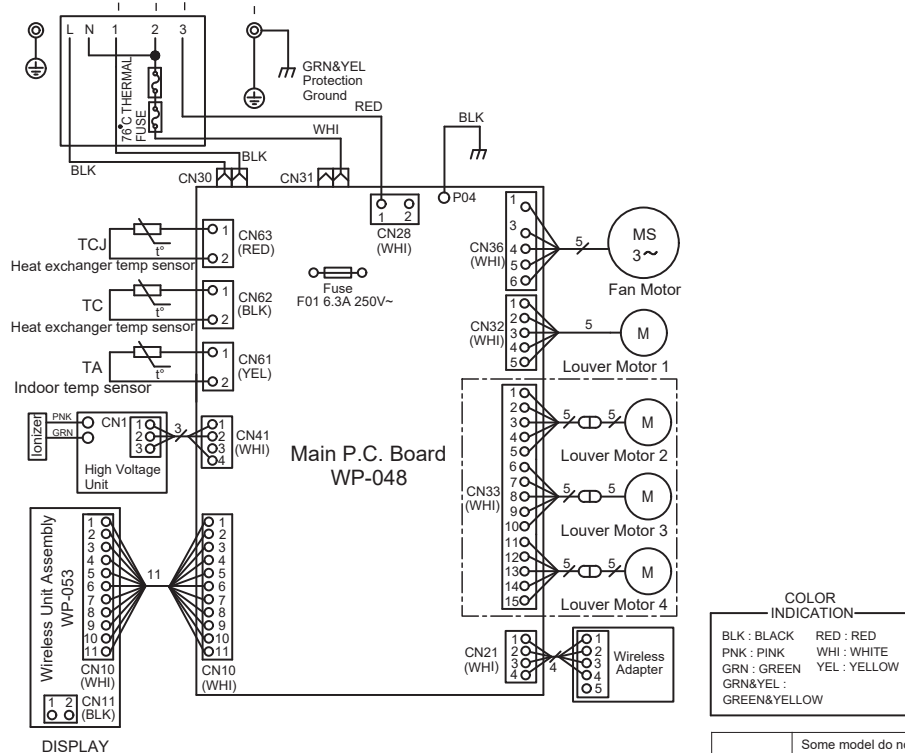
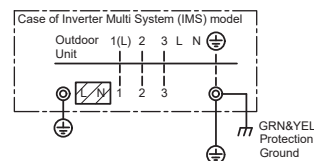
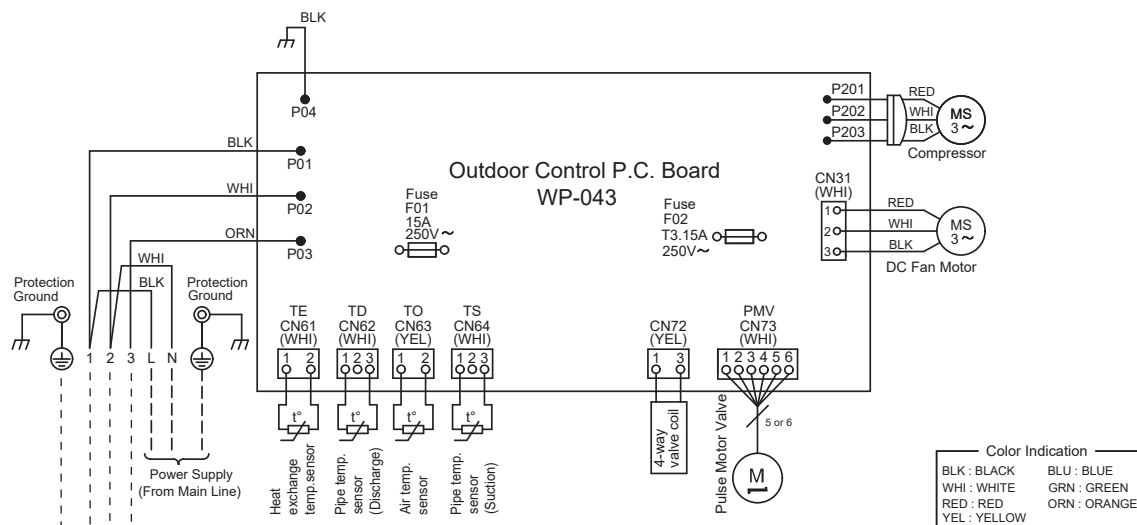
(Unit : mm)



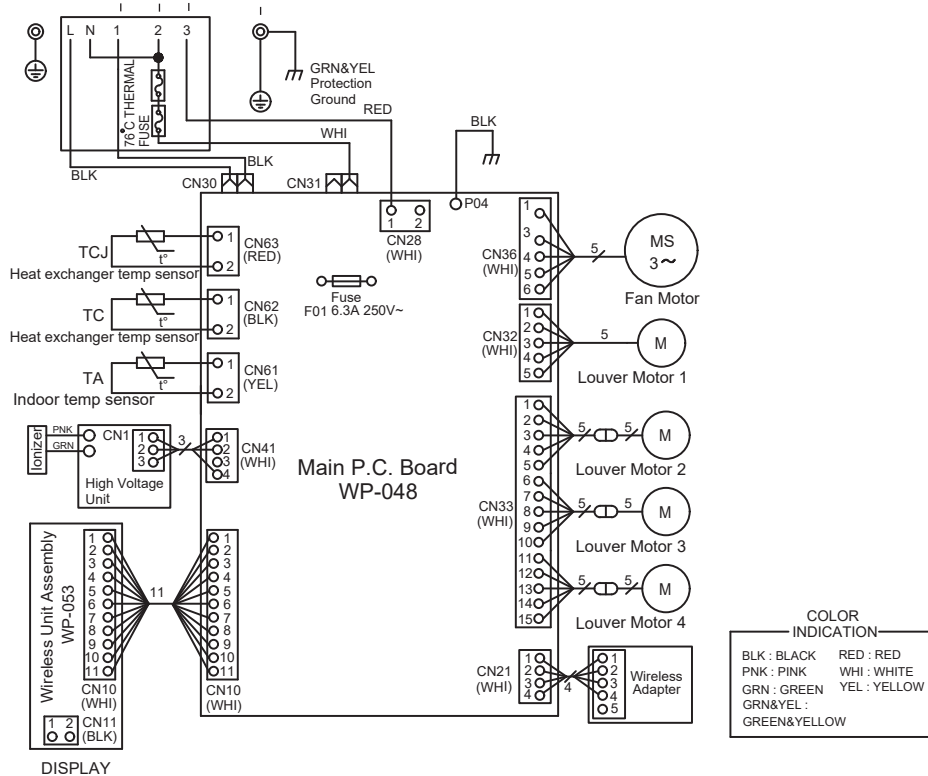
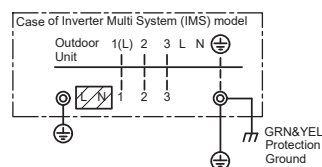
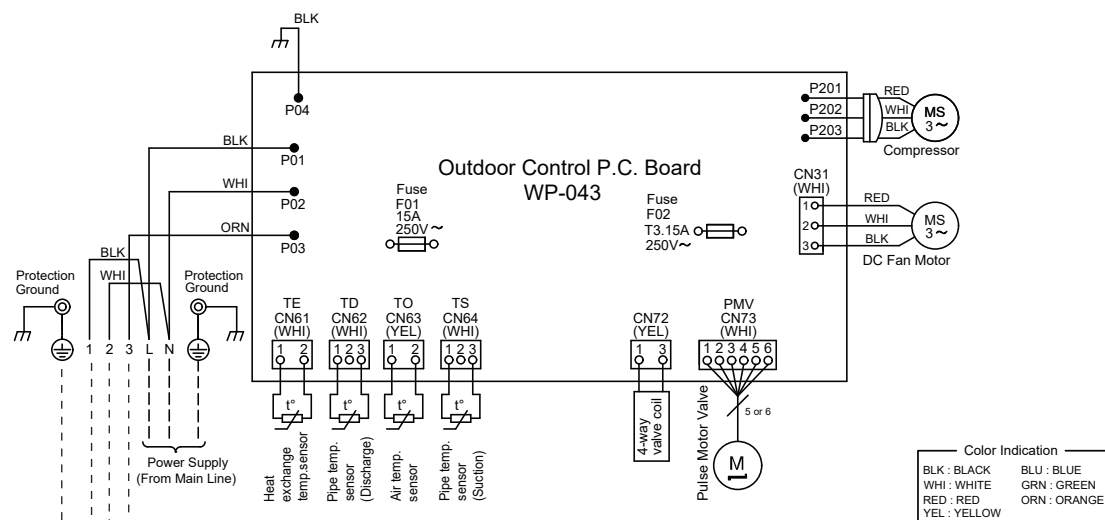
4. Wiring diagrams

RAS-B_*P2KVSG(B)-E ; RAS-_*P2AVSG-E (*07/10/13/18)

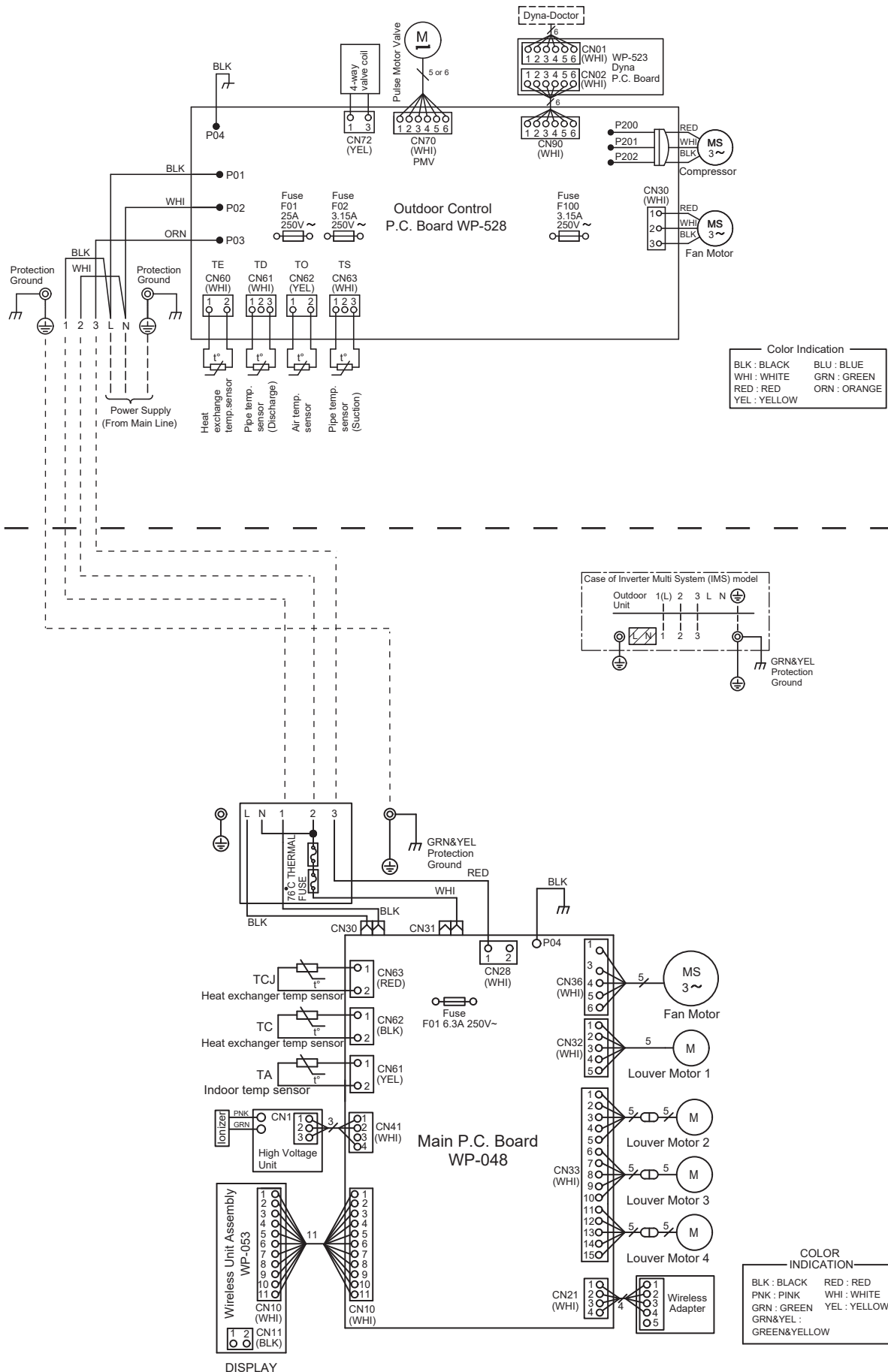
RAS-B_*P2KVSG(B)-TR ; RAS-_*P2AVSG-TR (*10/13/18)



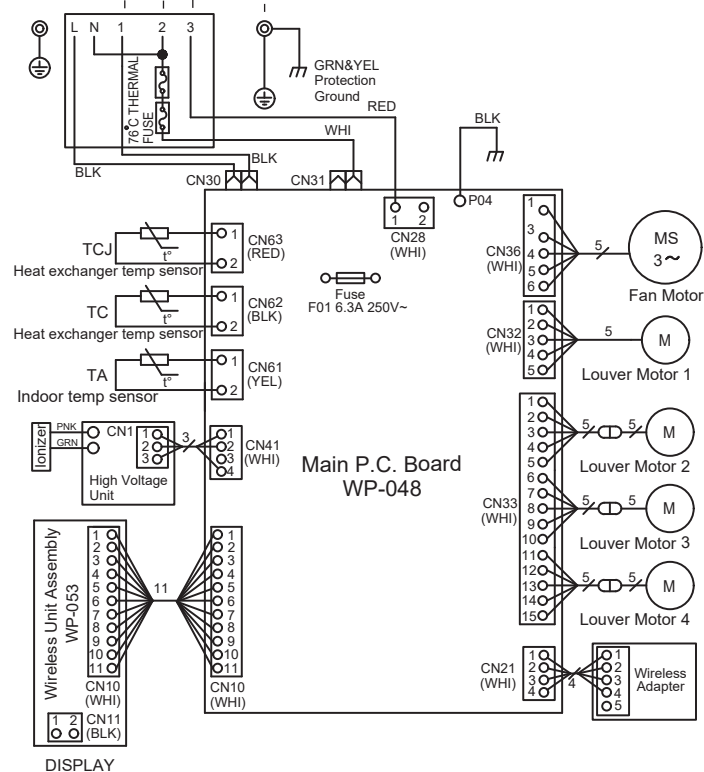
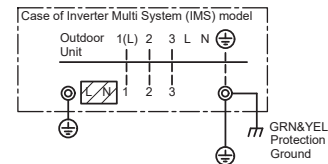
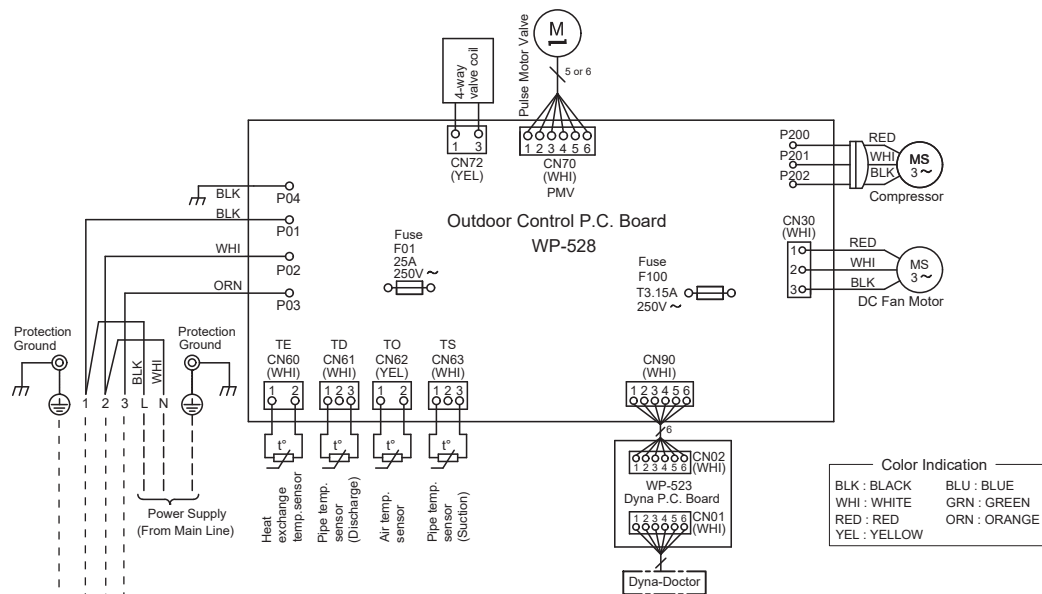
RAS-B16P2KVSG(B)-E/TR ; RAS-16P2AVSG-E/TR



RAS-B22P2KVSG(B)-E/TR ; RAS-22P2AVSG-E/TR

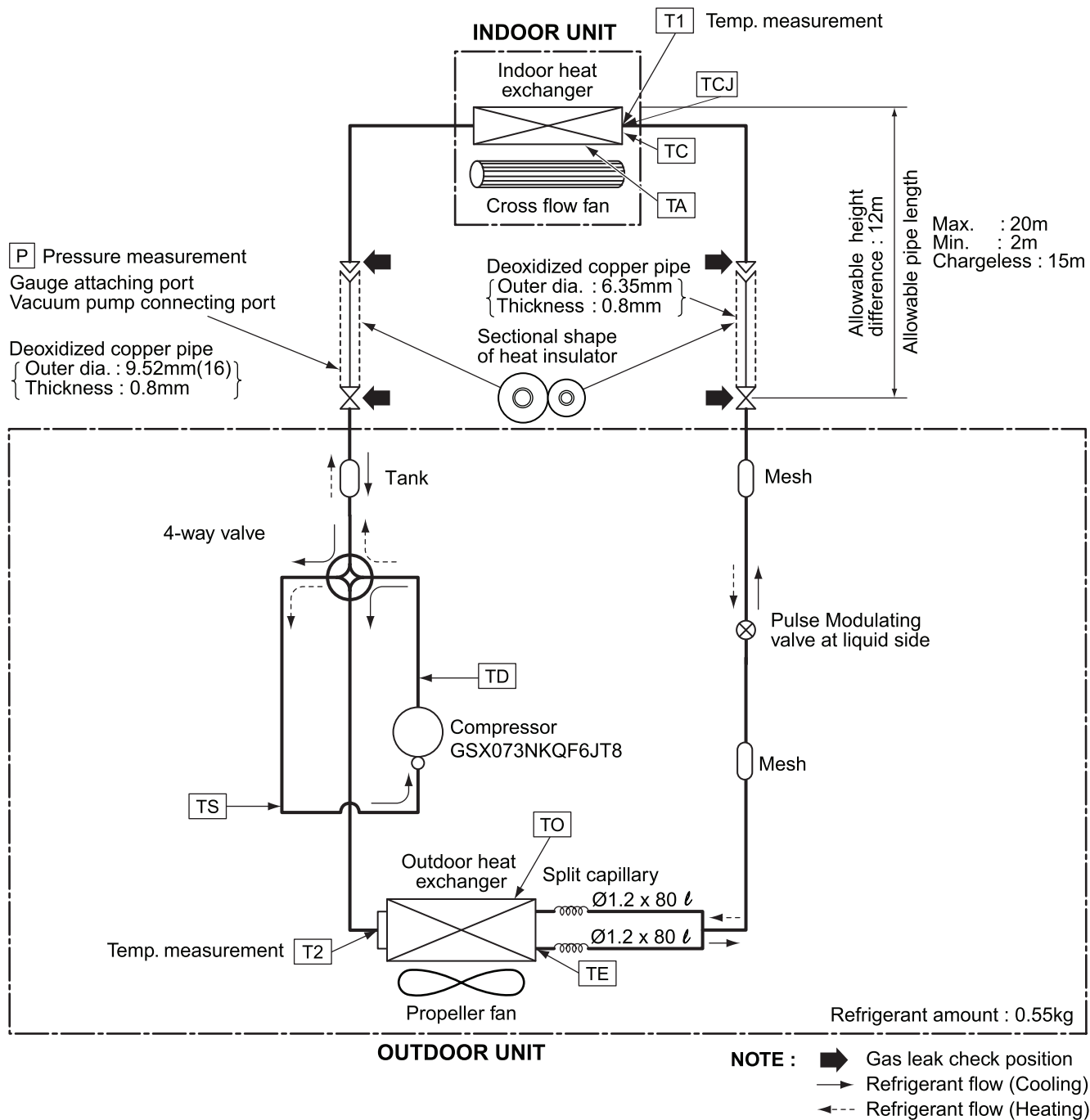


RAS-B24P2KVSG(B)-E/TR ; RAS-24P2AVSG-E/TR



5. Refrigerant Cycle Diagrams

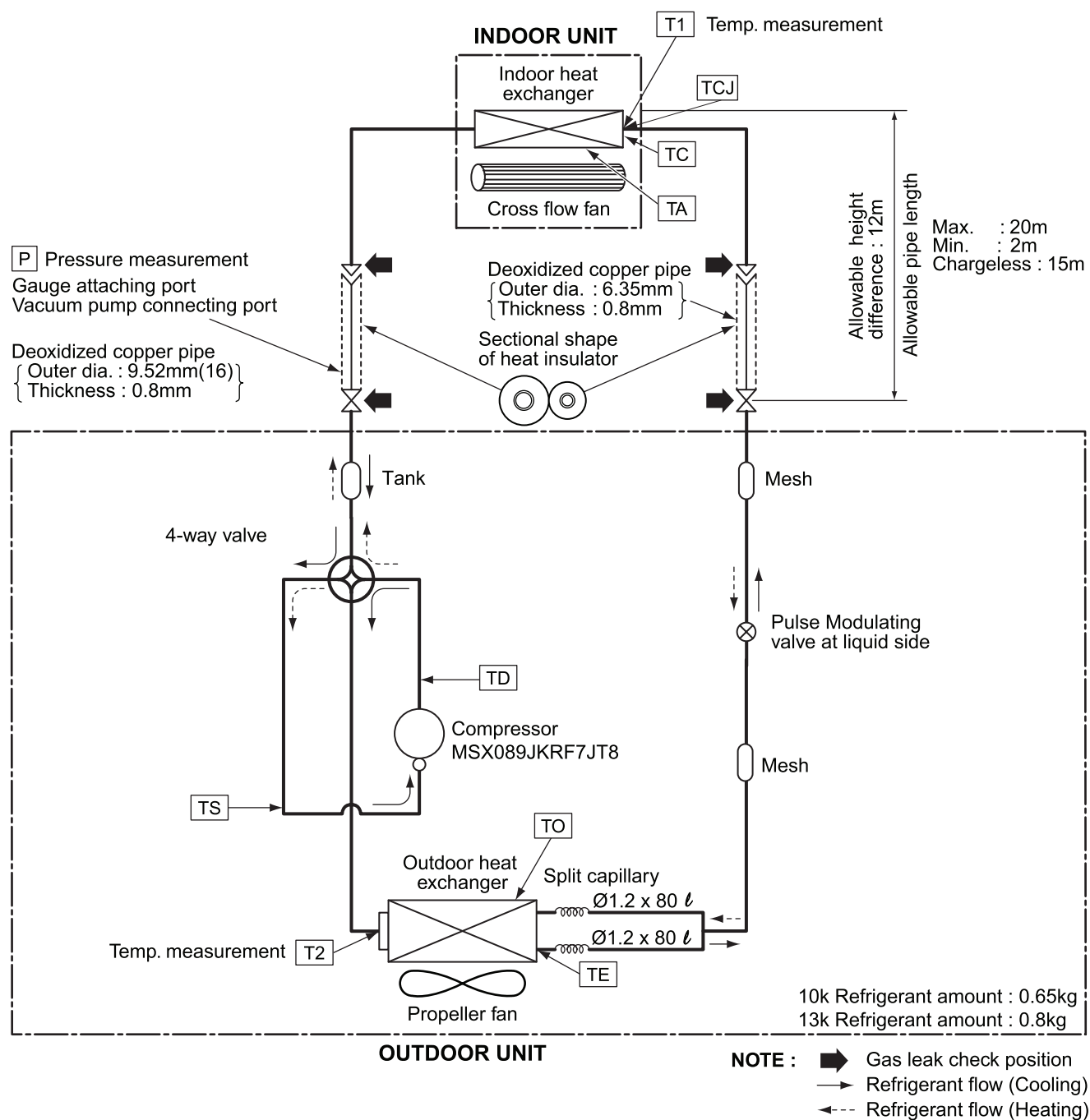
RAS-B07P2KVSG(B)-E ; RAS-07P2AVSG-E



NOTE :

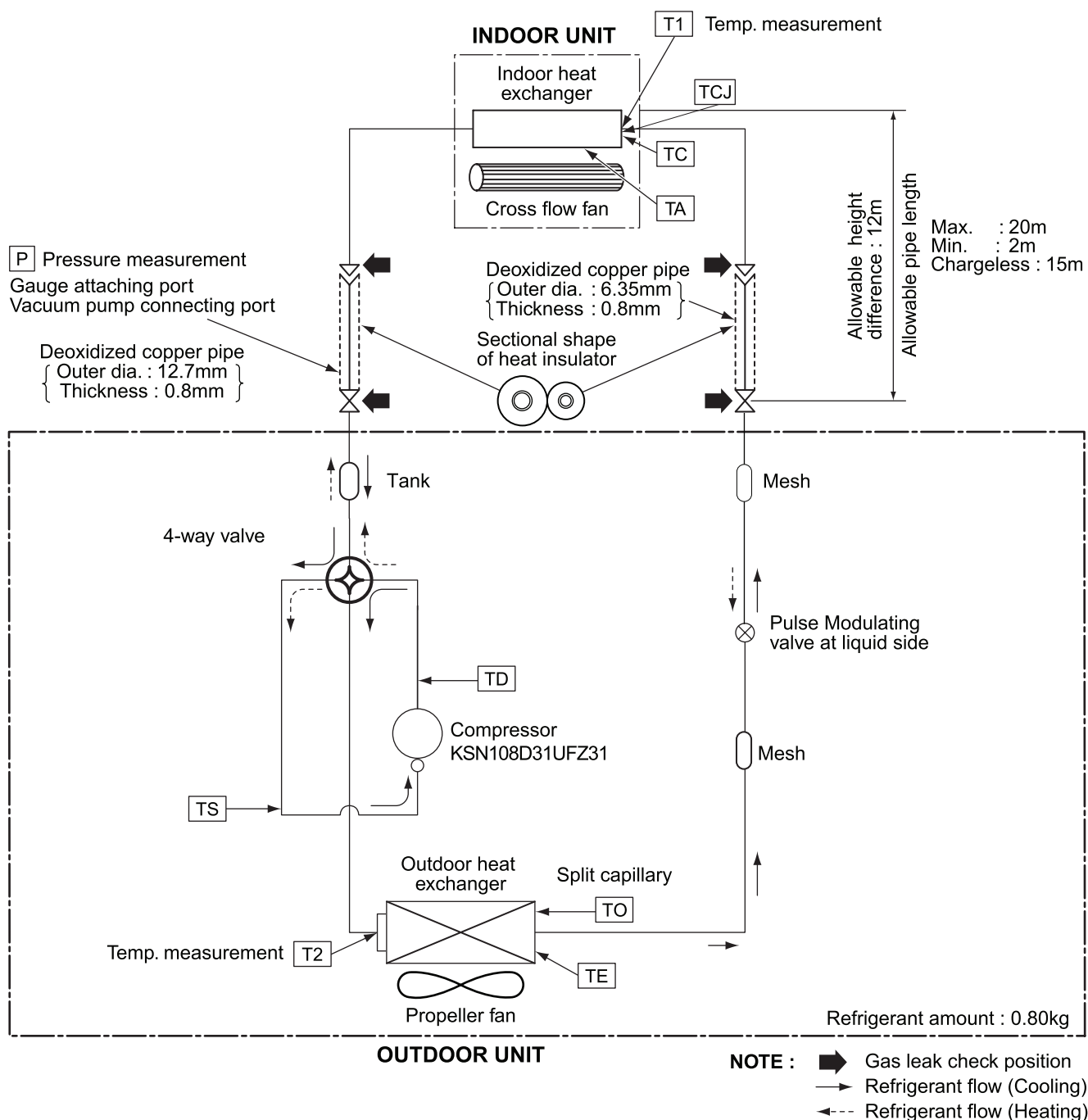
- The maximum pipe length of this air conditioner is 15 m. When the pipe length exceeds 15m, the additional charging of refrigerant, 20g per 1m for the part of pipe exceeded 15m is required. (Max. 100g)

RAS-B_ *P2KVSG(B)-E/TR ; RAS-_ *P2AVSG-E/TR (*10/13)

**NOTE :**

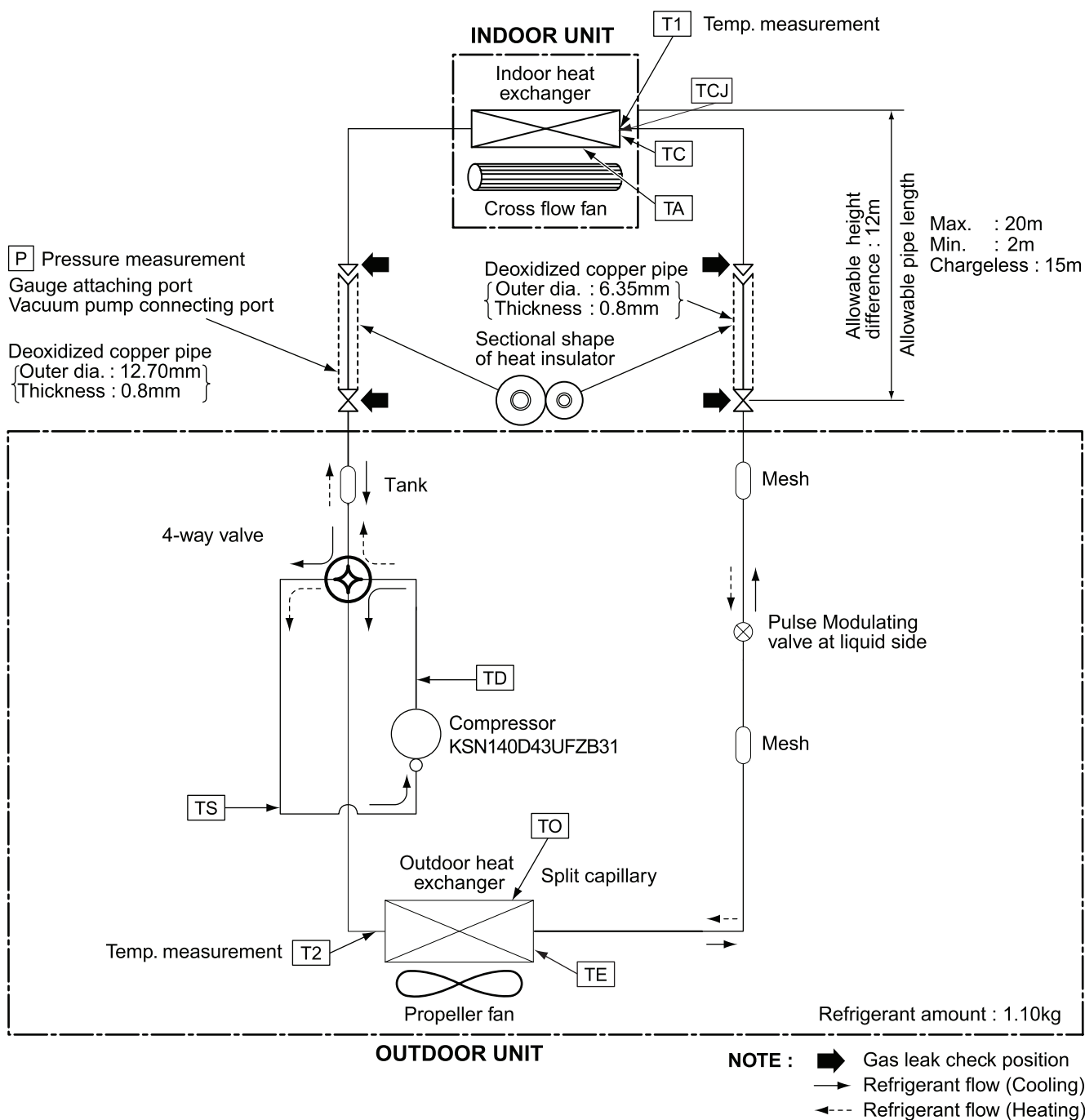
- The maximum pipe length of this air conditioner is 15 m. When the pipe length exceeds 15m, the additional charging of refrigerant, 20g per 1m for the part of pipe exceeded 15m is required. (Max. 100g)

RAS-B16P2KVSG(B)-E/TR ; RAS-16P2AVSG-E/TR

**NOTE :**

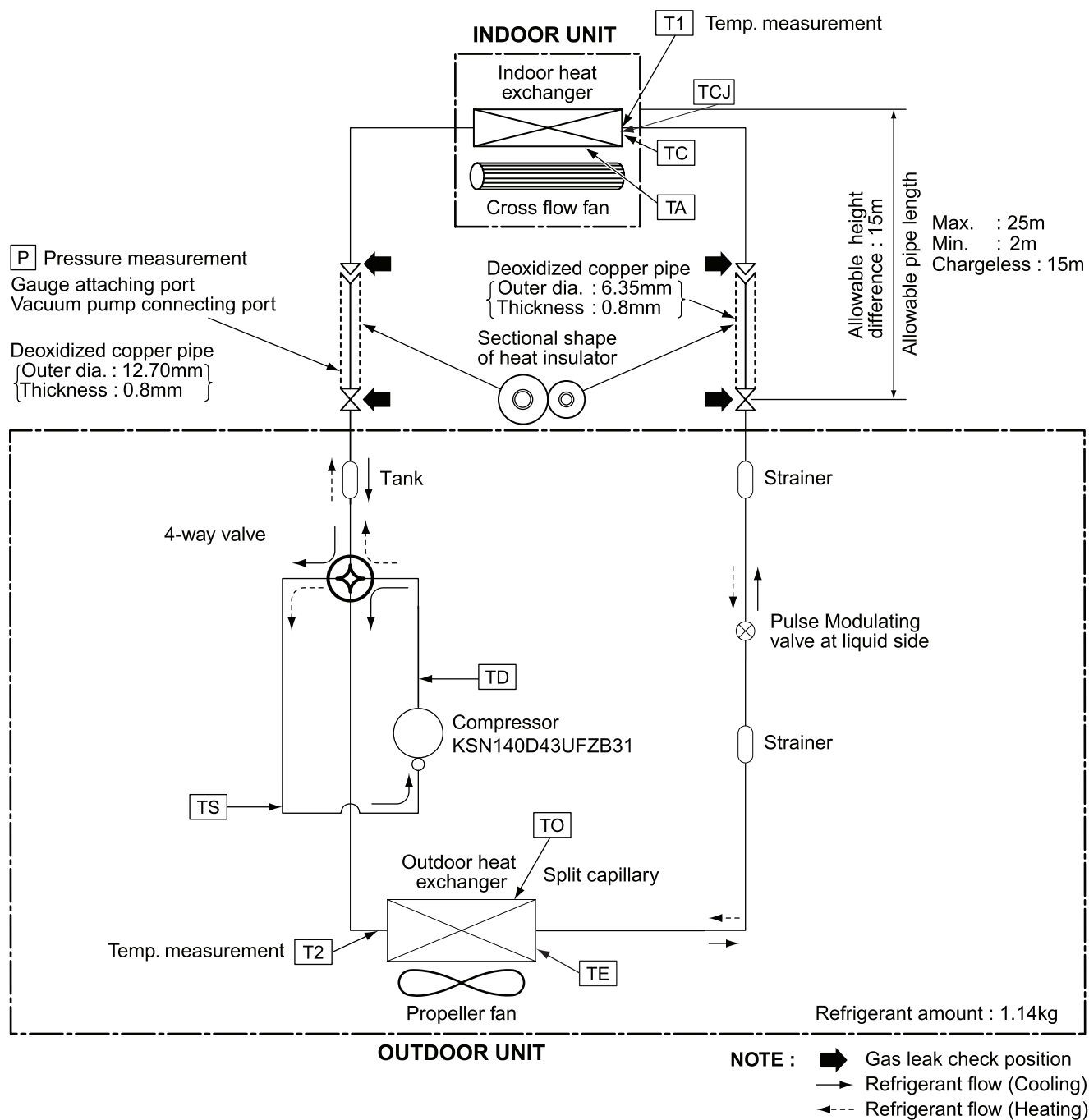
- The maximum pipe length of this air conditioner is 15 m. When the pipe length exceeds 15m, the additional charging of refrigerant, 20g per 1m for the part of pipe exceeded 15m is required. (Max. 100g)

RAS-B_ *P2KVSG(B)-E/TR ; RAS-__ *P2AVSG-E/TR (*18/22)

**NOTE :**

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

RAS-B24P2KVSG(B)-E/TR ; RAS-24P2AVSG-E/TR

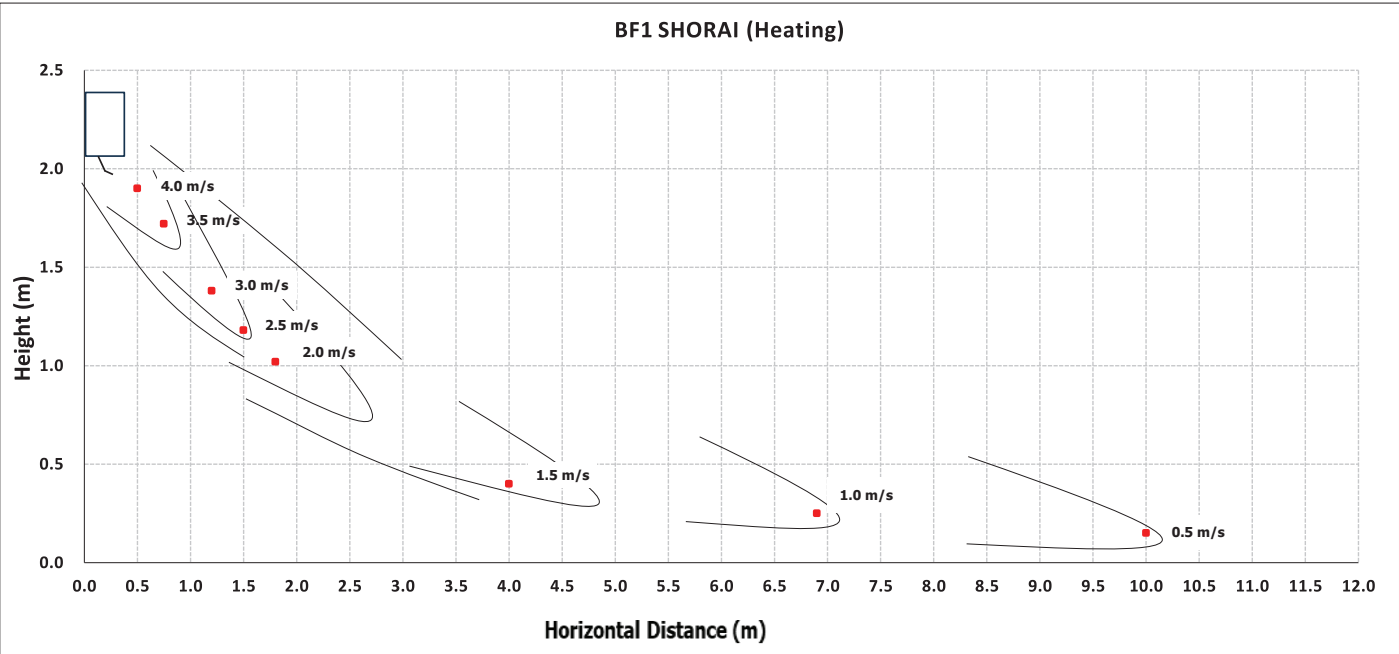
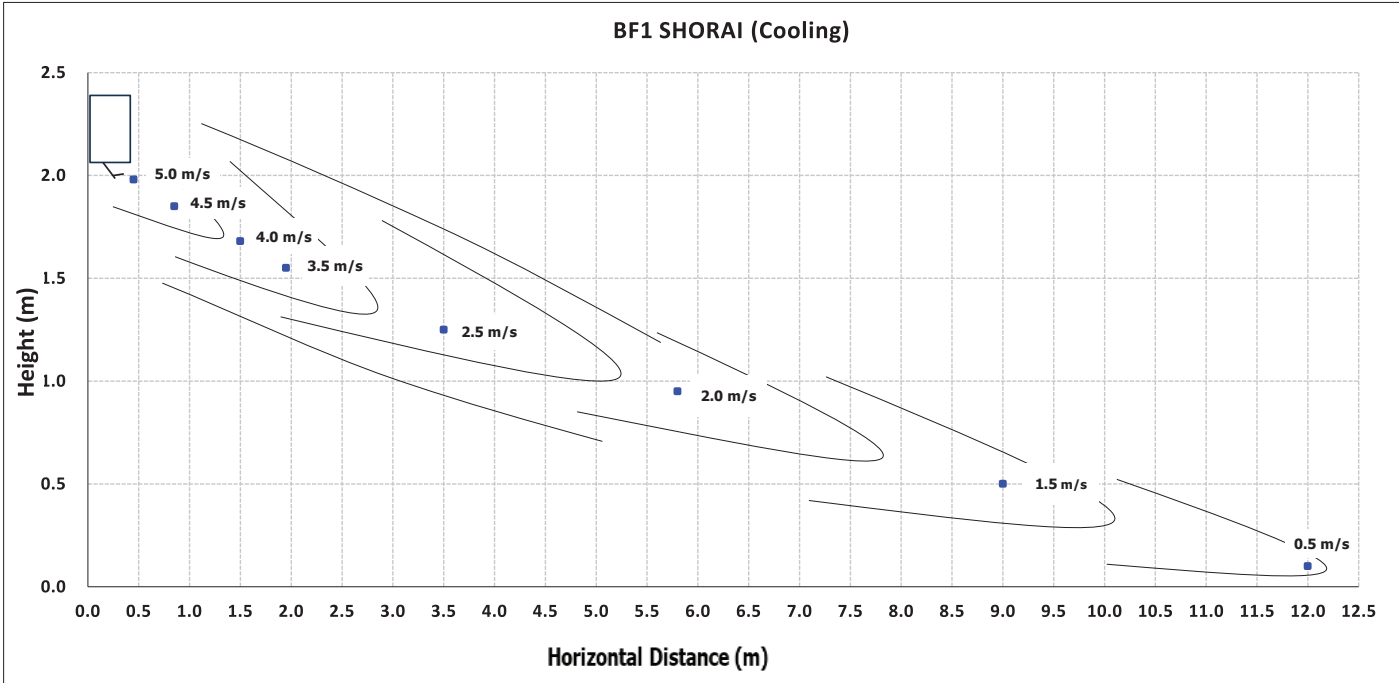
**NOTE :**

- The maximum pipe length of this air conditioner is 15 m. When the pipe length exceeds 15m, the additional charging of refrigerant, 20g per 1m for the part of pipe exceeded 15m is required. (Max. 200g)

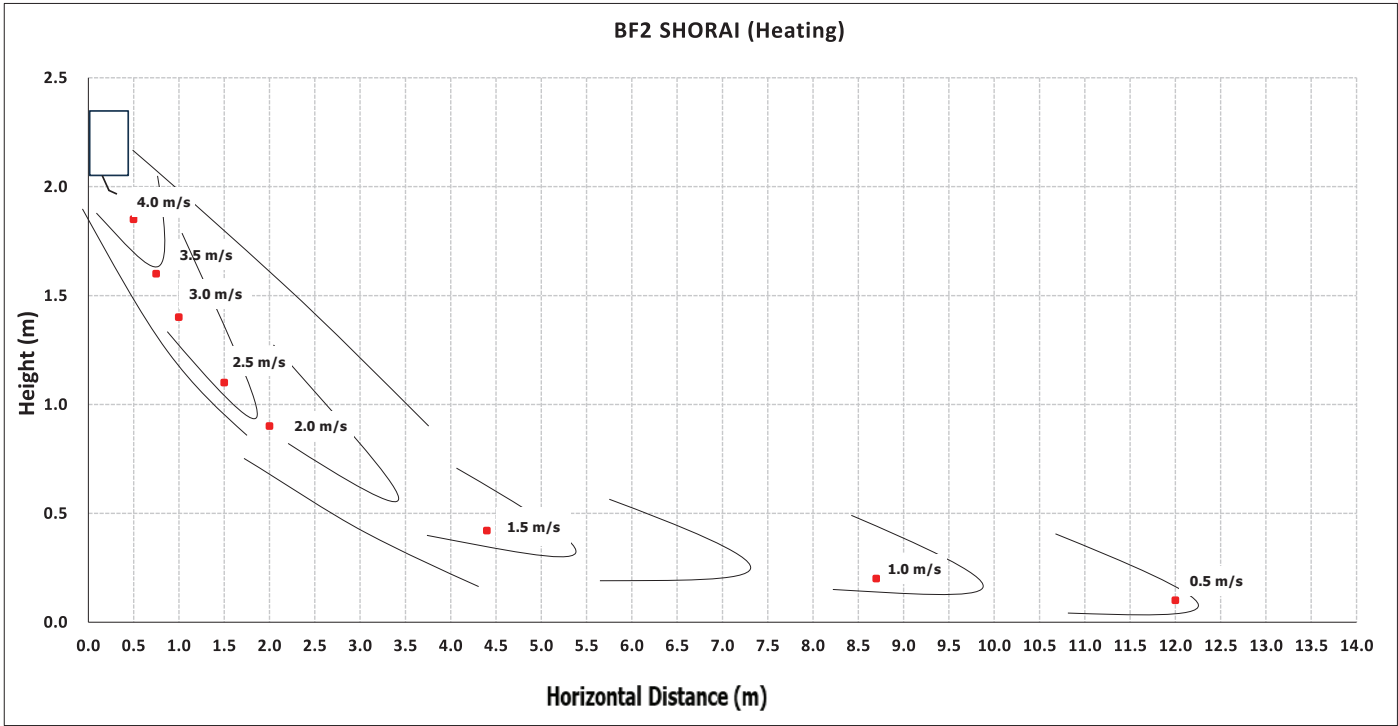
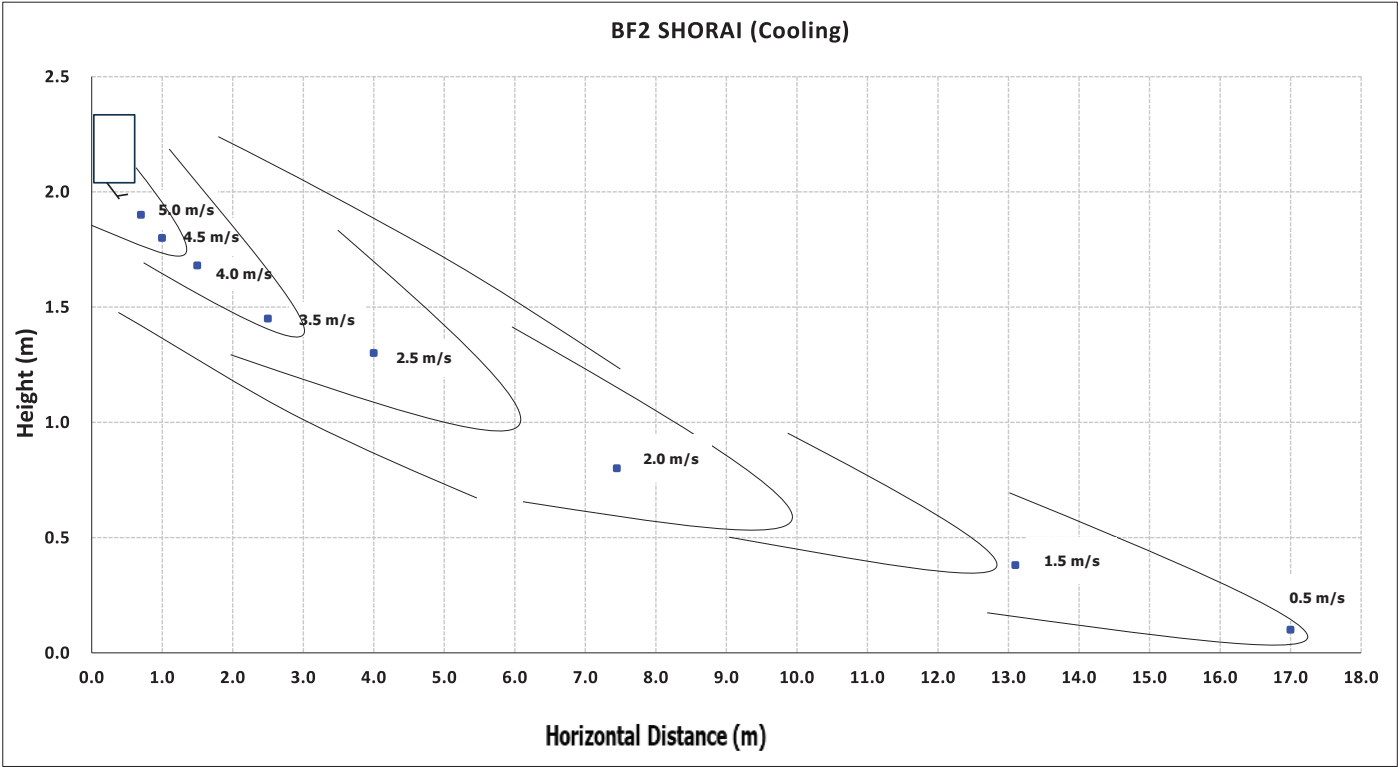
6. Air Speed Distribution

RAS-B__*P2KVSG(B)-E (*07/10/13/16)

RAS-B__*P2KVSG(B)-TR (*10/13/16)



RAS-B__*P2KVSG(B)-E/TR (*18/22/24)

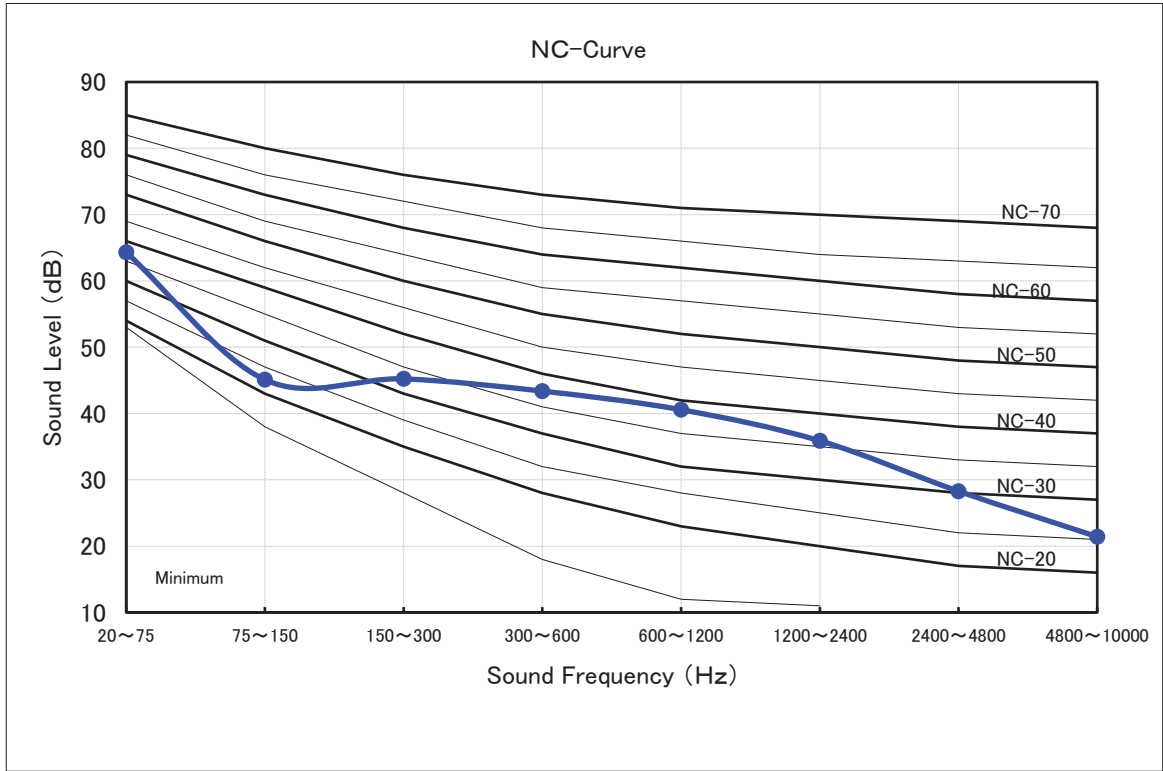


7. Sound Characteristics (NC Curve)

RAS-07P2AVSG-E

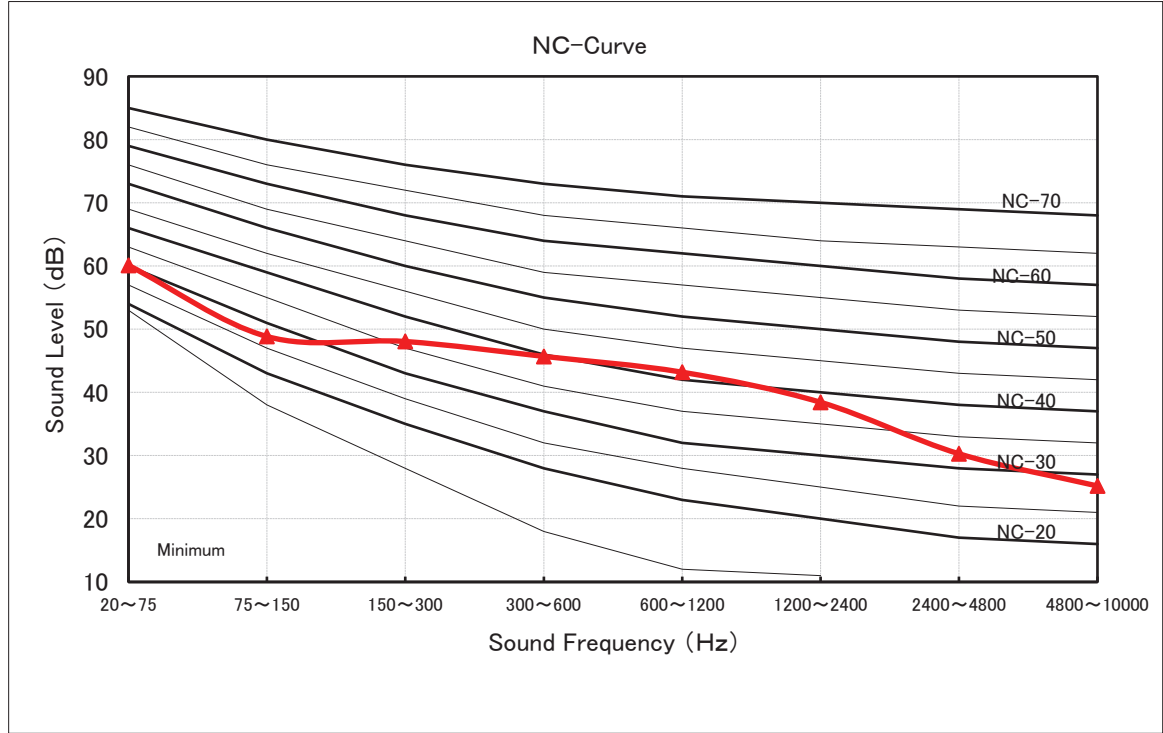
Cooling

Measured point	Specification
	Cooling
Horizontal 1.0 m	44



Heating

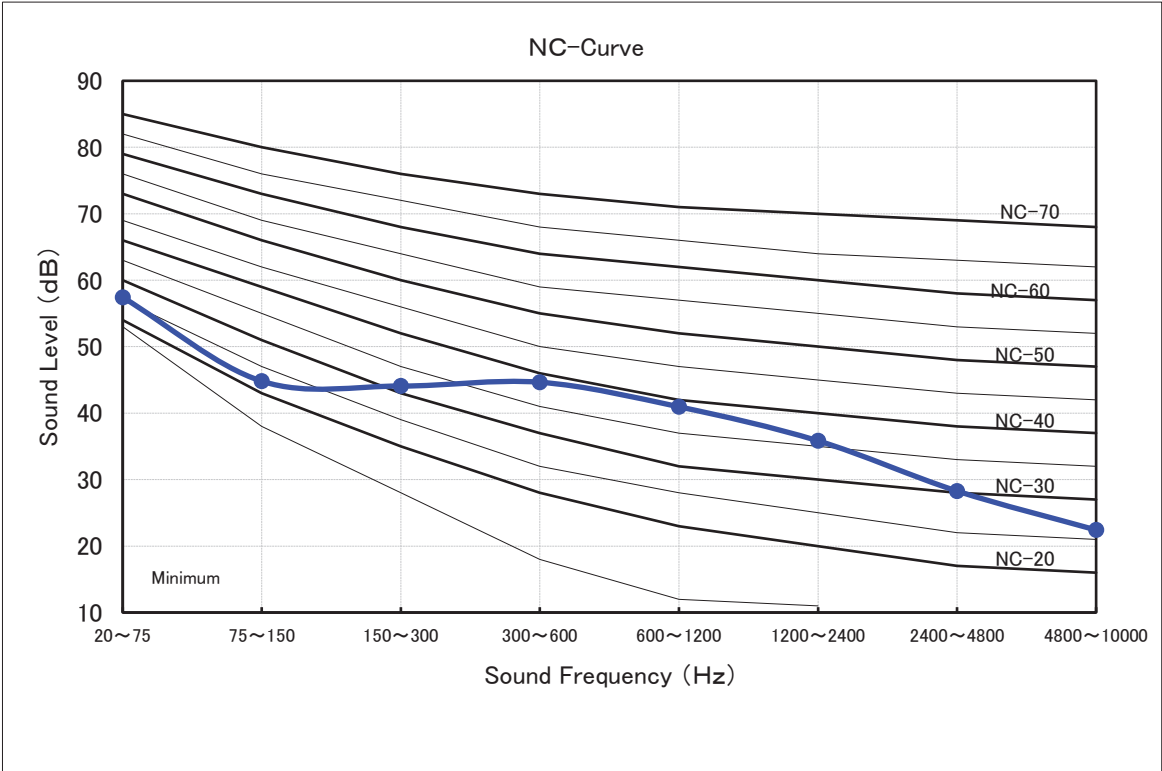
Measured point	Specification
	Cooling
Horizontal 1.0 m	46



RAS-10P2AVSG-E/TR

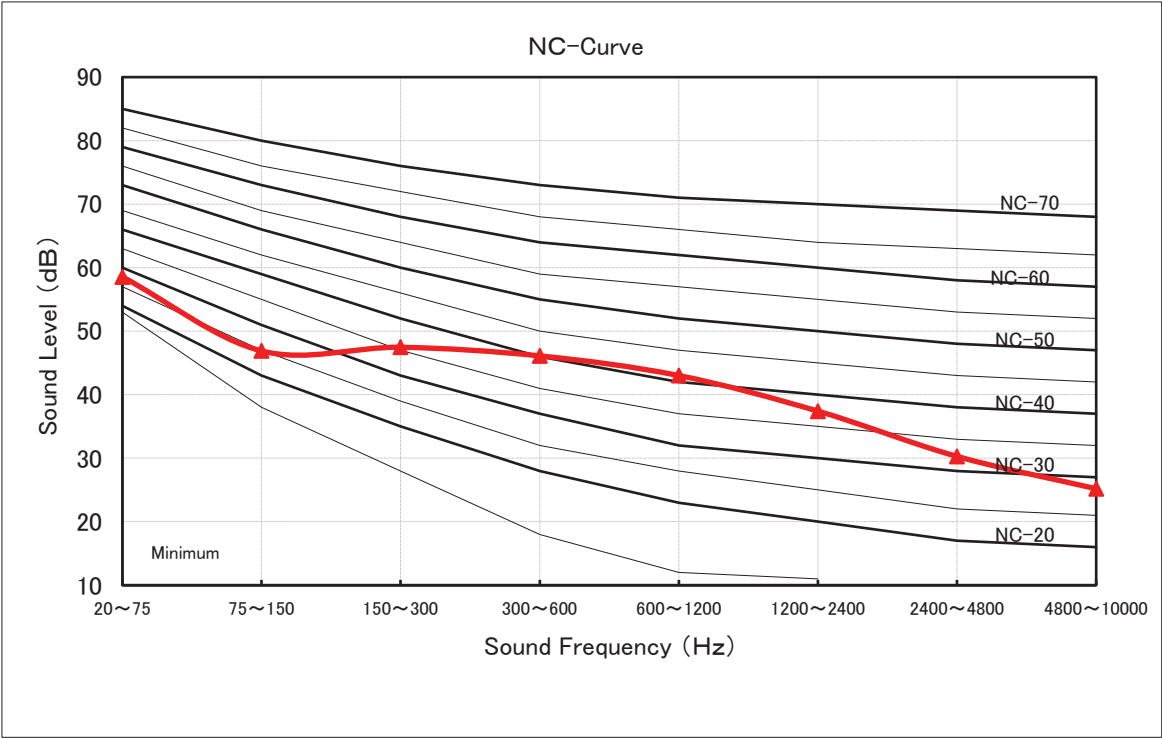
Measured point	Specification
	Cooling
Horizontal 1.0 m	44

Cooling



Measured point	Specification
	Cooling
Horizontal 1.0 m	46

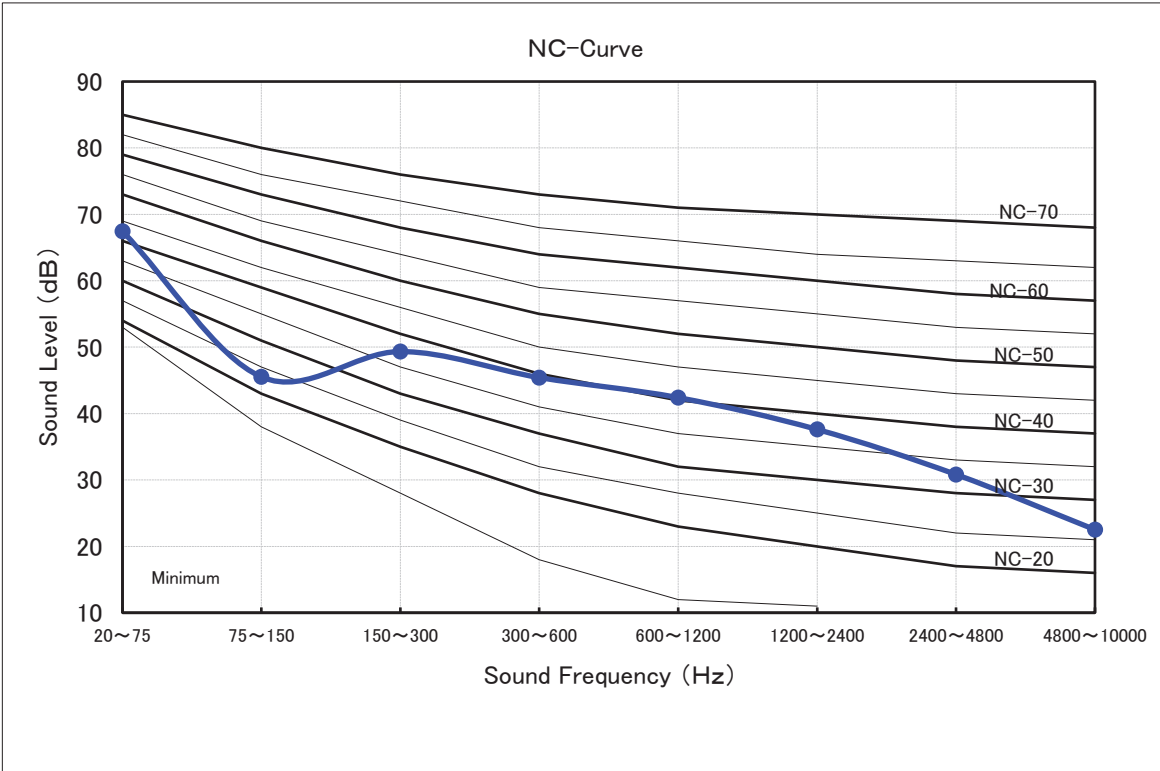
Heating



RAS-13P2AVSG-E/TR

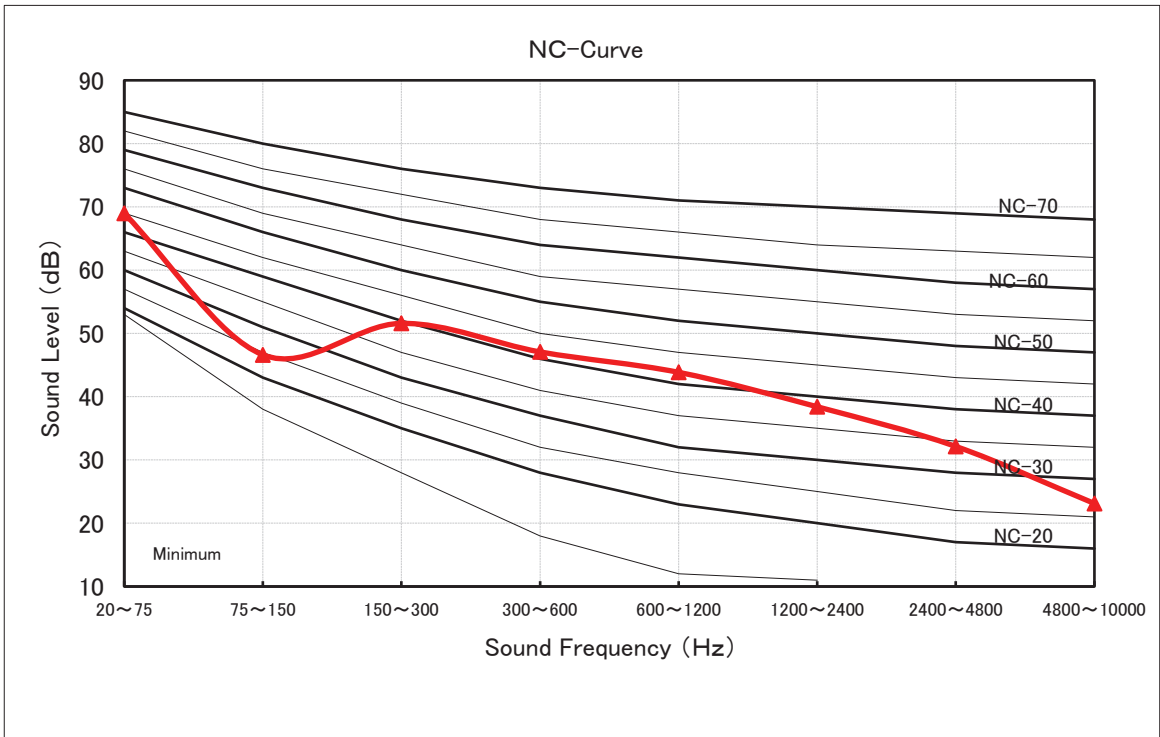
Measured point	Specification
	Cooling
Horizontal 1.0 m	47

Cooling



Measured point	Specification
	Cooling
Horizontal 1.0 m	49

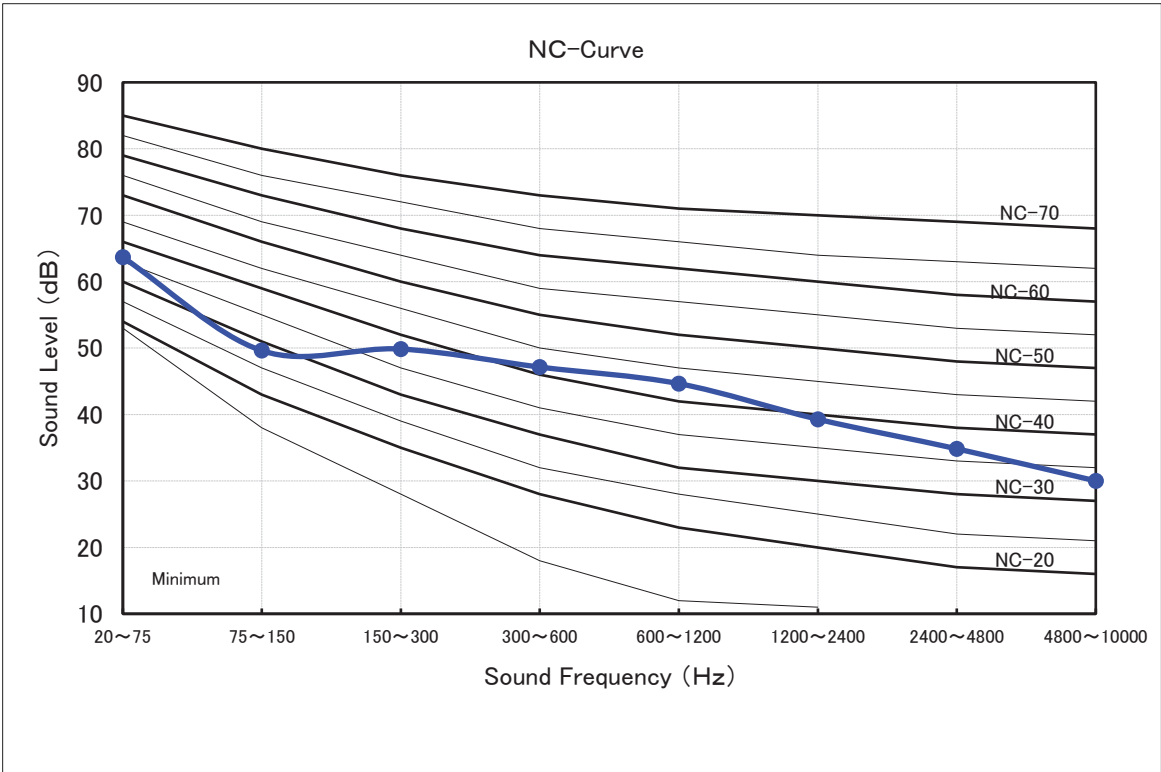
Heating



RAS-16P2AVSG-E/TR

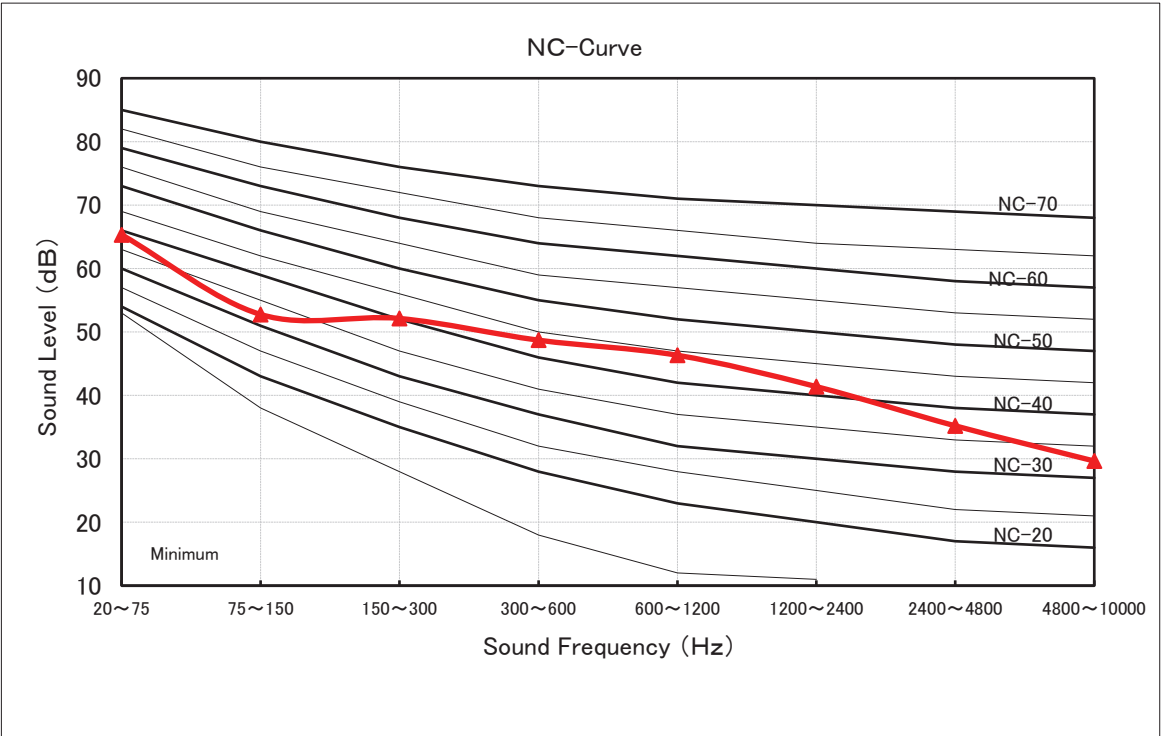
Measured point	Specification
	Cooling
Horizontal 1.0 m	49

Cooling



Measured point	Specification
	Cooling
Horizontal 1.0 m	50

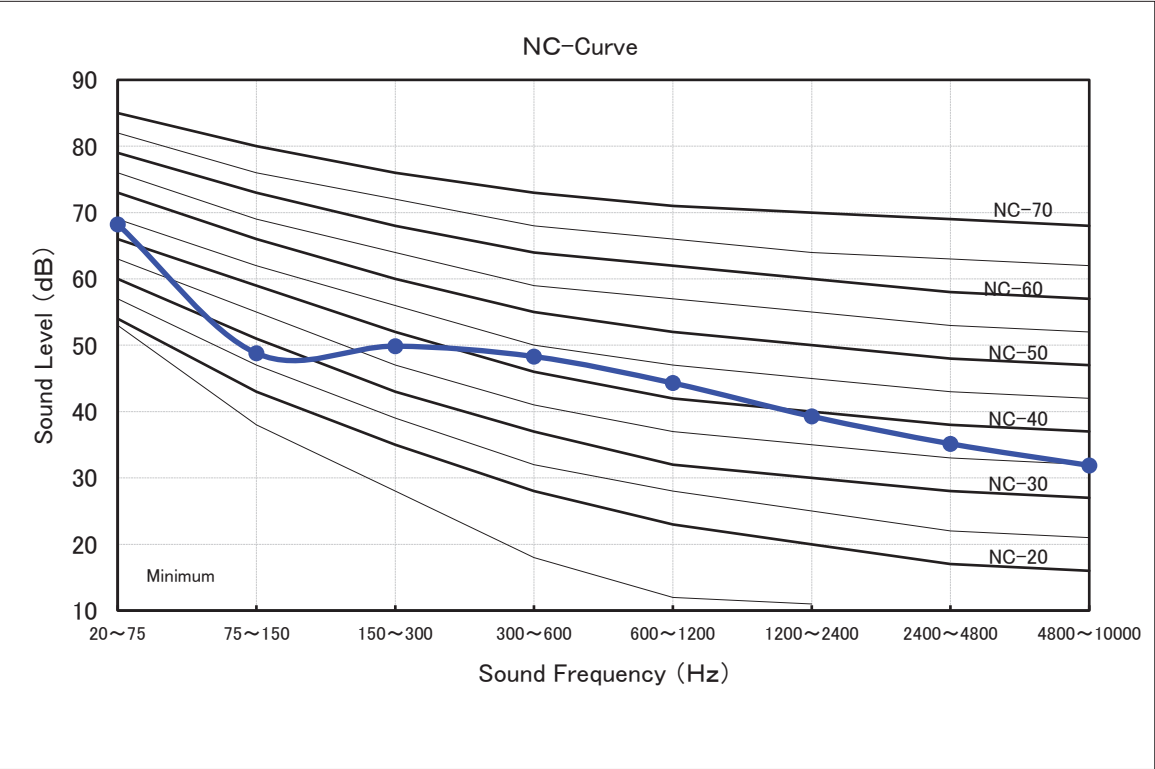
Heating



RAS-18P2AVSG-E/TR

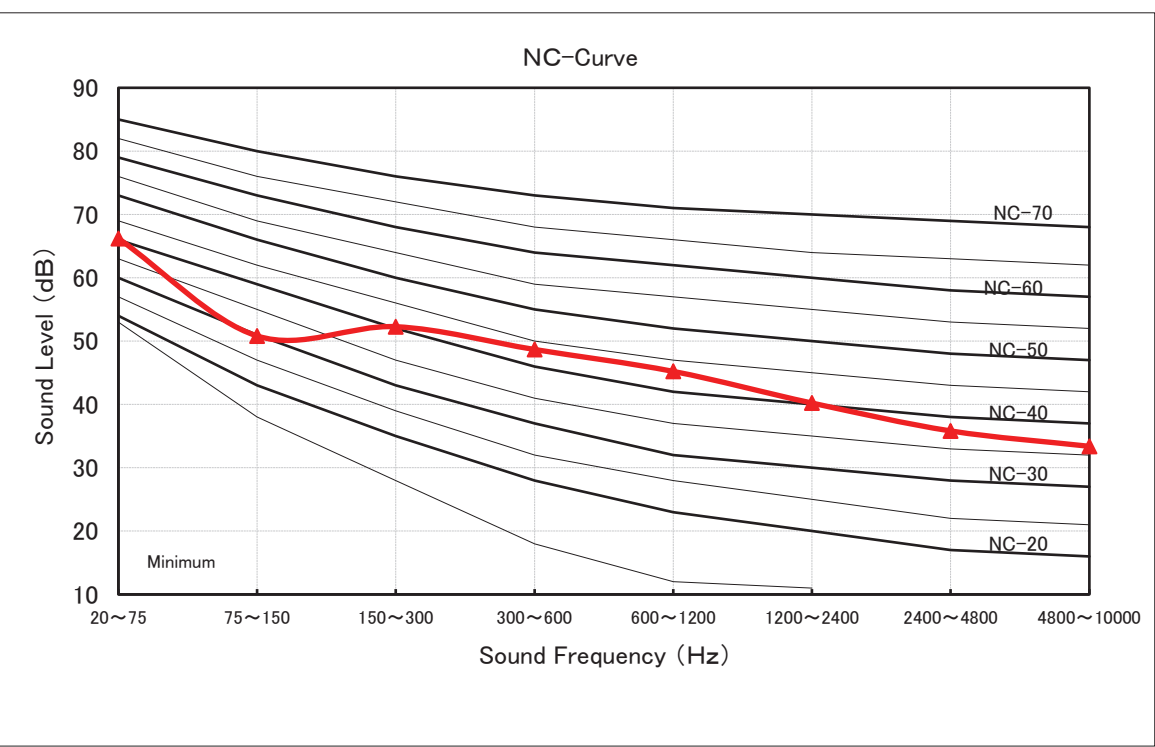
Measured point	Specification
	Cooling
Horizontal 1.0 m	49

Cooling



Measured point	Specification
	Cooling
Horizontal 1.0 m	50

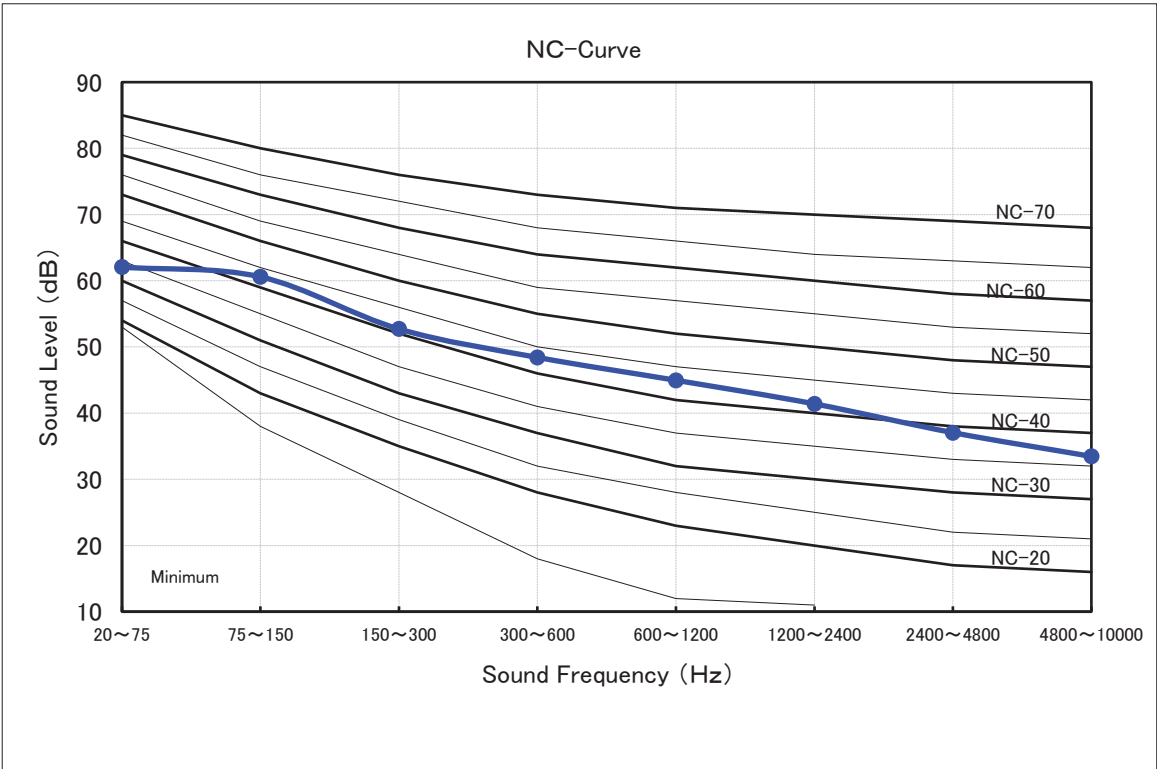
Heating



RAS-22P2AVSG-E/TR

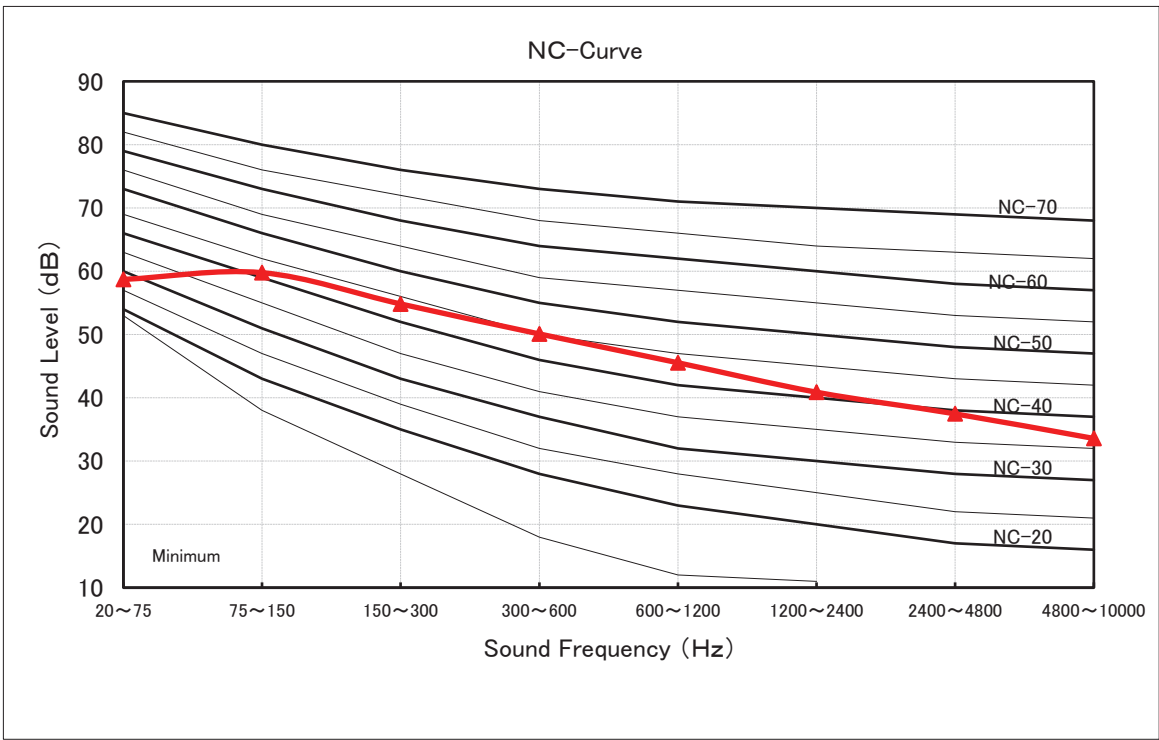
Measured point	Specification
	Cooling
Horizontal 1.0 m	50

Cooling



Measured point	Specification
	Cooling
Horizontal 1.0 m	51

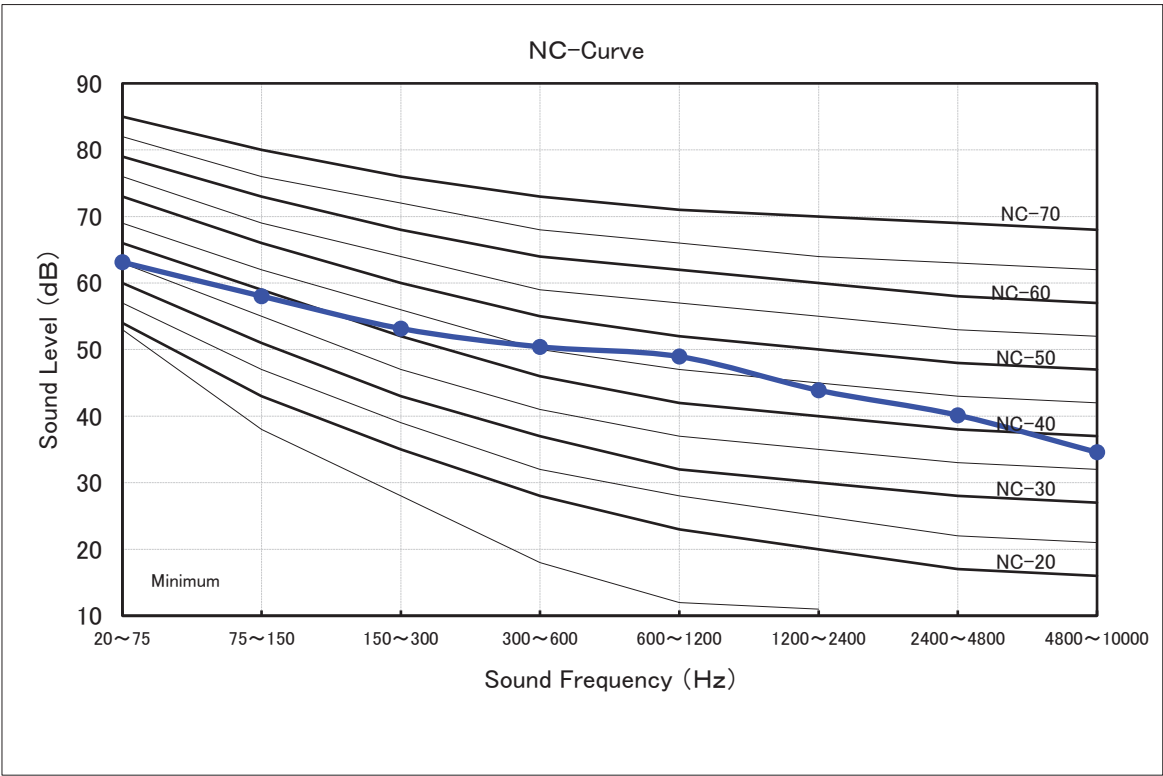
Heating



RAS-24P2AVSG-E/TR

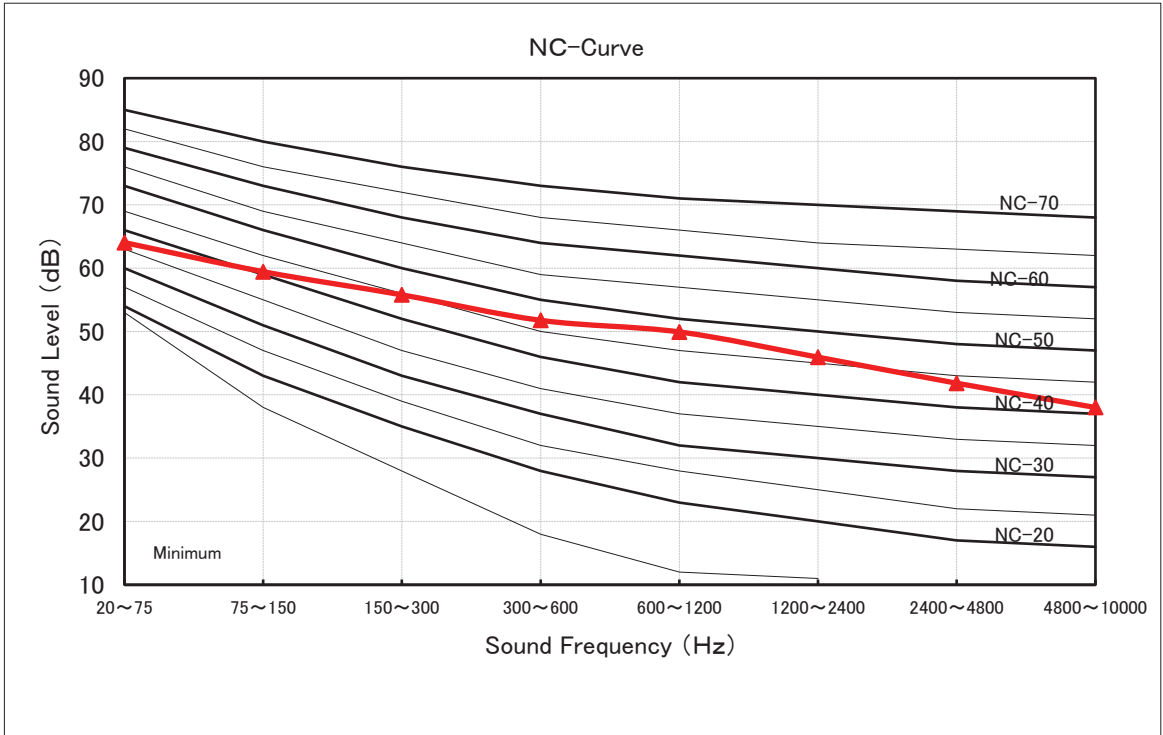
Measured point	Specification
	Cooling
Horizontal 1.0 m	52

Cooling



Measured point	Specification
	Cooling
Horizontal 1.0 m	54

Heating



8. Capacity Tables

Product models : RAS-B07P2KVSG(B)-E ; RAS-07P2AVSG-E

Specification of product at standard condition

Standard Condition	Indoor	27°C (DB) / 19°C (WB)	Total Cooling Capacity (TC)	2.00	kW
	Outdoor	35°C (DB) / 24°C (WB)	Sensible Heat Capacity (SHC)	1.55	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	1.96	1.64	2.16	1.74	2.32	1.85	2.39	1.85	2.45	1.85	2.60	1.82	2.72	1.78
21	1.94	1.62	2.14	1.72	2.29	1.83	2.36	1.83	2.43	1.83	2.57	1.80	2.69	1.77
22	1.92	1.60	2.12	1.71	2.27	1.81	2.33	1.81	2.40	1.81	2.54	1.79	2.66	1.75
23	1.90	1.58	2.09	1.69	2.24	1.79	2.31	1.79	2.37	1.79	2.51	1.77	2.63	1.73
24	1.87	1.57	2.07	1.67	2.22	1.77	2.28	1.77	2.35	1.77	2.49	1.75	2.60	1.71
25	1.85	1.55	2.05	1.65	2.19	1.75	2.26	1.75	2.32	1.75	2.46	1.73	2.57	1.69
26	1.83	1.53	2.02	1.63	2.17	1.73	2.23	1.73	2.29	1.73	2.43	1.71	2.54	1.67
27	1.81	1.51	2.00	1.61	2.14	1.71	2.21	1.71	2.27	1.71	2.40	1.69	2.51	1.65
28	1.79	1.50	1.98	1.59	2.12	1.69	2.18	1.69	2.24	1.69	2.37	1.67	2.48	1.63
29	1.77	1.48	1.95	1.57	2.09	1.67	2.15	1.67	2.22	1.67	2.35	1.65	2.45	1.61
30	1.75	1.46	1.93	1.56	2.07	1.65	2.13	1.65	2.19	1.65	2.32	1.63	2.42	1.59
31	1.73	1.44	1.91	1.54	2.04	1.63	2.10	1.63	2.16	1.63	2.29	1.61	2.40	1.57
32	1.71	1.43	1.88	1.52	2.02	1.61	2.08	1.61	2.14	1.61	2.26	1.59	2.37	1.55
33	1.68	1.41	1.86	1.50	1.99	1.59	2.05	1.59	2.11	1.59	2.23	1.57	2.34	1.54
34	1.66	1.39	1.84	1.48	1.97	1.57	2.03	1.57	2.08	1.57	2.21	1.55	2.31	1.52
35	1.64	1.37	1.81	1.46	1.94	1.55	2.00	1.55	2.06	1.55	2.18	1.53	2.28	1.50
36	1.62	1.36	1.79	1.44	1.92	1.53	1.97	1.53	2.03	1.53	2.15	1.51	2.25	1.48
37	1.60	1.34	1.77	1.42	1.89	1.51	1.95	1.51	2.00	1.51	2.12	1.49	2.22	1.46
38	1.58	1.32	1.74	1.41	1.87	1.49	1.92	1.49	1.98	1.49	2.09	1.47	2.19	1.44
39	1.56	1.30	1.72	1.39	1.84	1.47	1.90	1.47	1.95	1.47	2.07	1.45	2.16	1.42
40	1.54	1.28	1.70	1.37	1.82	1.45	1.87	1.45	1.93	1.45	2.04	1.43	2.13	1.40
41	1.52	1.27	1.67	1.35	1.79	1.43	1.85	1.43	1.90	1.43	2.01	1.41	2.10	1.38
42	1.50	1.25	1.65	1.33	1.77	1.41	1.82	1.41	1.87	1.41	1.98	1.39	2.07	1.36
43	1.47	1.23	1.63	1.31	1.74	1.39	1.79	1.39	1.85	1.39	1.95	1.37	2.04	1.34
44	1.45	1.21	1.60	1.29	1.72	1.37	1.77	1.37	1.82	1.37	1.93	1.35	2.02	1.32
45	1.43	1.20	1.58	1.27	1.69	1.35	1.74	1.35	1.79	1.35	1.90	1.33	1.99	1.30
46	1.41	1.18	1.56	1.26	1.67	1.33	1.72	1.33	1.77	1.33	1.87	1.31	1.96	1.29

Product models : RAS-B10P2KVSG(B)-E/TR ; RAS-10P2AVSG-E/TR

Specification of product at standard condition

Standard Condition	Indoor	27°C (DB) / 19°C (WB)	Total Cooling Capacity (TC)	2.50 kW
	Outdoor	35°C (DB) / 24°C (WB)	Sensible Heat Capacity (SHC)	2.00 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	2.45	2.11	2.70	2.25	2.90	2.39	2.98	2.39	3.07	2.38	3.25	2.36	3.40	2.32
21	2.42	2.09	2.68	2.22	2.86	2.36	2.95	2.36	3.03	2.36	3.21	2.34	3.36	2.29
22	2.40	2.06	2.65	2.20	2.83	2.34	2.92	2.33	3.00	2.33	3.18	2.31	3.32	2.27
23	2.37	2.04	2.62	2.17	2.80	2.31	2.89	2.31	2.97	2.31	3.14	2.29	3.29	2.24
24	2.34	2.02	2.59	2.15	2.77	2.29	2.85	2.28	2.93	2.28	3.11	2.26	3.25	2.22
25	2.32	1.99	2.56	2.13	2.74	2.26	2.82	2.26	2.90	2.26	3.07	2.23	3.21	2.19
26	2.29	1.97	2.53	2.10	2.71	2.23	2.79	2.23	2.87	2.23	3.04	2.21	3.18	2.17
27	2.26	1.95	2.50	2.08	2.68	2.21	2.76	2.21	2.84	2.20	3.00	2.18	3.14	2.14
28	2.24	1.93	2.47	2.05	2.65	2.18	2.72	2.18	2.80	2.18	2.97	2.16	3.10	2.12
29	2.21	1.90	2.44	2.03	2.62	2.16	2.69	2.15	2.77	2.15	2.93	2.13	3.07	2.09
30	2.19	1.88	2.41	2.01	2.58	2.13	2.66	2.13	2.74	2.13	2.90	2.11	3.03	2.07
31	2.16	1.86	2.38	1.98	2.55	2.11	2.63	2.10	2.70	2.10	2.86	2.08	2.99	2.04
32	2.13	1.84	2.36	1.96	2.52	2.08	2.60	2.08	2.67	2.08	2.83	2.06	2.96	2.02
33	2.11	1.81	2.33	1.93	2.49	2.05	2.56	2.05	2.64	2.05	2.79	2.03	2.92	1.99
34	2.08	1.79	2.30	1.91	2.46	2.03	2.53	2.03	2.60	2.02	2.76	2.01	2.88	1.97
35	2.05	1.77	2.27	1.88	2.43	2.00	2.50	2.00	2.57	2.00	2.72	1.98	2.85	1.94
36	2.03	1.74	2.24	1.86	2.40	1.98	2.47	1.97	2.54	1.97	2.69	1.95	2.81	1.92
37	2.00	1.72	2.21	1.84	2.37	1.95	2.44	1.95	2.51	1.95	2.65	1.93	2.78	1.89
38	1.97	1.70	2.18	1.81	2.34	1.93	2.40	1.92	2.47	1.92	2.62	1.90	2.74	1.87
39	1.95	1.68	2.15	1.79	2.30	1.90	2.37	1.90	2.44	1.90	2.58	1.88	2.70	1.84
40	1.92	1.65	2.12	1.76	2.27	1.87	2.34	1.87	2.41	1.87	2.55	1.85	2.67	1.82
41	1.90	1.63	2.09	1.74	2.24	1.85	2.31	1.85	2.37	1.84	2.51	1.83	2.63	1.79
42	1.87	1.61	2.06	1.72	2.21	1.82	2.28	1.82	2.34	1.82	2.48	1.80	2.59	1.77
43	1.84	1.59	2.03	1.69	2.18	1.80	2.24	1.79	2.31	1.79	2.44	1.78	2.56	1.74
44	1.82	1.56	2.01	1.67	2.15	1.77	2.21	1.77	2.27	1.77	2.41	1.75	2.52	1.72
45	1.79	1.54	1.98	1.64	2.12	1.75	2.18	1.74	2.24	1.74	2.37	1.73	2.48	1.69
46	1.76	1.52	1.95	1.62	2.09	1.72	2.15	1.72	2.21	1.72	2.34	1.70	2.45	1.67

Product models : RAS-B13P2KVSG(B)-E/TR ; RAS-13P2AVSG-E/TR

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)	2.70 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	2.85	3.79	3.04	4.05	3.23	4.17	3.22	4.29	3.21	4.55	3.18	4.76	3.11
21	3.39	2.82	3.75	3.01	4.01	3.19	4.13	3.19	4.25	3.18	4.50	3.14	4.70	3.07
22	3.35	2.79	3.70	2.97	3.97	3.16	4.08	3.15	4.20	3.15	4.45	3.11	4.65	3.04
23	3.32	2.76	3.66	2.94	3.92	3.12	4.04	3.12	4.15	3.11	4.40	3.07	4.60	3.01
24	3.28	2.73	3.62	2.91	3.88	3.09	3.99	3.08	4.11	3.08	4.35	3.04	4.55	2.97
25	3.24	2.70	3.58	2.87	3.84	3.06	3.95	3.05	4.06	3.04	4.30	3.01	4.50	2.94
26	3.21	2.67	3.54	2.84	3.79	3.02	3.90	3.01	4.02	3.01	4.25	2.97	4.45	2.91
27	3.17	2.64	3.50	2.81	3.75	2.99	3.86	2.98	3.97	2.97	4.20	2.94	4.40	2.87
28	3.13	2.61	3.46	2.78	3.71	2.95	3.81	2.94	3.92	2.94	4.16	2.90	4.35	2.84
29	3.10	2.58	3.42	2.74	3.66	2.92	3.77	2.91	3.88	2.90	4.11	2.87	4.29	2.81
30	3.06	2.55	3.38	2.71	3.62	2.88	3.72	2.87	3.83	2.87	4.06	2.83	4.24	2.77
31	3.02	2.52	3.34	2.68	3.57	2.85	3.68	2.84	3.78	2.83	4.01	2.80	4.19	2.74
32	2.99	2.48	3.30	2.65	3.53	2.81	3.63	2.80	3.74	2.80	3.96	2.77	4.14	2.71
33	2.95	2.45	3.26	2.61	3.49	2.78	3.59	2.77	3.69	2.76	3.91	2.73	4.09	2.67
34	2.91	2.42	3.22	2.58	3.44	2.74	3.54	2.73	3.65	2.73	3.86	2.70	4.04	2.64
35	2.87	2.39	3.17	2.55	3.40	2.71	3.50	2.70	3.60	2.70	3.81	2.66	3.99	2.61
36	2.84	2.36	3.13	2.51	3.36	2.67	3.46	2.67	3.55	2.66	3.76	2.63	3.94	2.57
37	2.80	2.33	3.09	2.48	3.31	2.64	3.41	2.63	3.51	2.63	3.71	2.60	3.89	2.54
38	2.76	2.30	3.05	2.45	3.27	2.60	3.37	2.60	3.46	2.59	3.67	2.56	3.83	2.50
39	2.73	2.27	3.01	2.42	3.23	2.57	3.32	2.56	3.42	2.56	3.62	2.53	3.78	2.47
40	2.69	2.24	2.97	2.38	3.18	2.53	3.28	2.53	3.37	2.52	3.57	2.49	3.73	2.44
41	2.65	2.21	2.93	2.35	3.14	2.50	3.23	2.49	3.32	2.49	3.52	2.46	3.68	2.40
42	2.62	2.18	2.89	2.32	3.09	2.46	3.19	2.46	3.28	2.45	3.47	2.42	3.63	2.37
43	2.58	2.15	2.85	2.29	3.05	2.43	3.14	2.42	3.23	2.42	3.42	2.39	3.58	2.34
44	2.54	2.12	2.81	2.25	3.01	2.40	3.10	2.39	3.18	2.38	3.37	2.36	3.53	2.30
45	2.51	2.09	2.77	2.22	2.96	2.36	3.05	2.35	3.14	2.35	3.32	2.32	3.48	2.27
46	2.47	2.05	2.73	2.19	2.92	2.33	3.01	2.32	3.09	2.31	3.27	2.29	3.42	2.24

Product models : RAS-B16P2KVSG(B)-E/TR ; RAS-16P2AVSG-E/TR

Specification of product at standard condition

Standard Condition	Indoor	27°C (DB) / 19°C (WB)	Total Cooling Capacity (TC)	4.60 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	4.51	3.70	4.98	3.94	5.33	4.19	5.49	4.17	5.64	4.17	5.98	4.11	6.25	4.02
21	4.46	3.66	4.92	3.90	5.27	4.14	5.43	4.13	5.58	4.12	5.91	4.07	6.18	3.97
22	4.41	3.62	4.87	3.86	5.21	4.10	5.37	4.08	5.52	4.08	5.85	4.02	6.12	3.93
23	4.36	3.58	4.82	3.81	5.16	4.05	5.31	4.04	5.46	4.03	5.78	3.98	6.05	3.89
24	4.31	3.54	4.76	3.77	5.10	4.01	5.25	3.99	5.40	3.99	5.72	3.93	5.98	3.84
25	4.26	3.50	4.71	3.73	5.04	3.96	5.19	3.95	5.34	3.94	5.65	3.89	5.91	3.80
26	4.21	3.46	4.65	3.69	4.98	3.92	5.13	3.90	5.28	3.90	5.59	3.85	5.85	3.76
27	4.17	3.42	4.60	3.64	4.93	3.87	5.07	3.86	5.22	3.85	5.53	3.80	5.78	3.71
28	4.12	3.38	4.55	3.60	4.87	3.83	5.01	3.81	5.16	3.81	5.46	3.76	5.71	3.67
29	4.07	3.34	4.49	3.56	4.81	3.78	4.95	3.77	5.10	3.76	5.40	3.71	5.64	3.63
30	4.02	3.30	4.44	3.52	4.76	3.74	4.90	3.72	5.04	3.72	5.33	3.67	5.58	3.58
31	3.97	3.26	4.39	3.47	4.70	3.69	4.84	3.68	4.97	3.67	5.27	3.62	5.51	3.54
32	3.92	3.22	4.33	3.43	4.64	3.65	4.78	3.63	4.91	3.63	5.20	3.58	5.44	3.50
33	3.88	3.18	4.28	3.39	4.58	3.60	4.72	3.59	4.85	3.58	5.14	3.54	5.38	3.46
34	3.83	3.14	4.23	3.35	4.53	3.56	4.66	3.54	4.79	3.54	5.08	3.49	5.31	3.41
35	3.78	3.10	4.17	3.30	4.47	3.51	4.60	3.50	4.73	3.49	5.01	3.45	5.24	3.37
36	3.73	3.06	4.12	3.26	4.41	3.47	4.54	3.46	4.67	3.45	4.95	3.40	5.17	3.33
37	3.68	3.02	4.07	3.22	4.35	3.42	4.48	3.41	4.61	3.40	4.88	3.36	5.11	3.28
38	3.63	2.99	4.01	3.18	4.30	3.38	4.42	3.37	4.55	3.36	4.82	3.32	5.04	3.24
39	3.58	2.95	3.96	3.13	4.24	3.33	4.36	3.32	4.49	3.31	4.75	3.27	4.97	3.20
40	3.17	2.61	3.50	2.77	3.75	2.95	3.86	2.94	3.97	2.93	4.21	2.89	4.40	2.83
41	3.09	2.54	3.41	2.70	3.65	2.87	3.76	2.86	3.87	2.85	4.09	2.82	4.28	2.75
42	3.00	2.47	3.32	2.63	3.55	2.79	3.66	2.78	3.76	2.78	3.98	2.74	4.17	2.68
43	2.92	2.40	3.23	2.56	3.46	2.72	3.56	2.71	3.66	2.70	3.88	2.67	4.06	2.61
44	2.85	2.34	3.14	2.49	3.37	2.64	3.46	2.64	3.56	2.63	3.77	2.60	3.95	2.54
45	2.77	2.28	3.06	2.42	3.27	2.57	3.37	2.56	3.47	2.56	3.67	2.53	3.84	2.47
46	2.69	2.21	2.98	2.36	3.19	2.50	3.28	2.50	3.37	2.49	3.57	2.46	3.74	2.40

Product models : RAS-B18P2KVSG(B)-E/TR ; RAS-18P2AVSG-E/TR

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	3.72	2.83	4.11	3.01	4.40	3.19	4.53	3.17	4.66	3.16	4.94	3.10	5.17	3.01
43	3.62	2.76	4.00	2.93	4.29	3.11	4.41	3.09	4.54	3.07	4.81	3.01	5.03	2.93
44	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
45	2.62	1.99	2.90	2.12	3.10	2.25	3.19	2.23	3.28	2.22	3.48	2.18	3.64	2.12
46	2.55	1.94	2.82	2.06	3.02	2.19	3.11	2.17	3.20	2.16	3.38	2.12	3.54	2.06

Product models : RAS-B22P2KVSG(B)-E/TR ; RAS-22P2AVSG-E/TR

Specification of product at standard condition

Standard Condition	Indoor	27°C (DB) / 19°C (WB)	Total Cooling Capacity (TC)	6.10 kW
	Outdoor	35°C (DB) / 24°C (WB)	Sensible Heat Capacity (SHC)	4.15 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	5.98	4.43	6.60	4.69	7.07	4.98	7.27	4.95	7.48	4.92	7.92	4.81	8.29	4.66
21	5.91	4.38	6.53	4.64	6.99	4.93	7.20	4.90	7.40	4.87	7.84	4.76	8.20	4.61
22	5.85	4.33	6.46	4.59	6.91	4.88	7.12	4.84	7.32	4.81	7.75	4.71	8.11	4.56
23	5.78	4.29	6.39	4.54	6.84	4.82	7.04	4.79	7.24	4.76	7.67	4.66	8.02	4.51
24	5.72	4.24	6.31	4.49	6.76	4.77	6.96	4.74	7.16	4.71	7.58	4.61	7.93	4.46
25	5.65	4.19	6.24	4.44	6.69	4.72	6.88	4.68	7.08	4.66	7.50	4.55	7.84	4.41
26	5.59	4.14	6.17	4.39	6.61	4.66	6.80	4.63	7.00	4.60	7.41	4.50	7.75	4.36
27	5.52	4.09	6.10	4.34	6.53	4.61	6.73	4.58	6.92	4.55	7.33	4.45	7.66	4.31
28	5.46	4.05	6.03	4.29	6.46	4.55	6.65	4.52	6.84	4.50	7.24	4.40	7.57	4.26
29	5.40	4.00	5.96	4.24	6.38	4.50	6.57	4.47	6.76	4.44	7.16	4.35	7.48	4.21
30	5.33	3.95	5.89	4.19	6.31	4.45	6.49	4.42	6.68	4.39	7.07	4.30	7.40	4.16
31	5.27	3.90	5.82	4.14	6.23	4.39	6.41	4.36	6.60	4.34	6.99	4.24	7.31	4.11
32	5.20	3.86	5.75	4.09	6.15	4.34	6.33	4.31	6.52	4.29	6.90	4.19	7.22	4.06
33	5.14	3.81	5.68	4.04	6.08	4.29	6.26	4.26	6.44	4.23	6.82	4.14	7.13	4.01
34	5.07	3.76	5.60	3.99	6.00	4.23	6.18	4.20	6.35	4.18	6.73	4.09	7.04	3.96
35	5.01	3.71	5.53	3.94	5.93	4.18	6.10	4.15	6.27	4.13	6.64	4.04	6.95	3.91
36	4.95	3.67	5.46	3.89	5.85	4.13	6.02	4.10	6.19	4.07	6.56	3.99	6.86	3.86
37	4.88	3.62	5.39	3.83	5.77	4.07	5.94	4.04	6.11	4.02	6.47	3.93	6.77	3.81
38	4.82	3.57	5.32	3.78	5.70	4.02	5.87	3.99	6.03	3.97	6.39	3.88	6.68	3.76
39	4.75	3.52	5.25	3.73	5.62	3.96	5.79	3.94	5.95	3.91	6.30	3.83	6.59	3.71
40	4.68	3.46	5.17	3.66	5.53	3.89	5.69	3.86	5.85	3.83	6.21	3.74	6.50	3.65
41	4.61	3.39	5.10	3.59	5.46	3.82	5.62	3.79	5.78	3.76	6.13	3.67	6.42	3.58
42	4.54	3.32	5.03	3.52	5.39	3.75	5.55	3.72	5.71	3.69	6.05	3.60	6.35	3.51
43	4.47	3.25	4.96	3.45	5.32	3.68	5.48	3.65	5.64	3.62	5.97	3.53	6.28	3.44
44	4.40	3.18	4.89	3.38	5.25	3.61	5.41	3.58	5.57	3.55	5.89	3.46	6.21	3.37
45	4.33	3.11	4.82	3.31	5.18	3.54	5.34	3.51	5.50	3.48	5.82	3.39	6.14	3.30
46	4.26	3.04	4.75	3.24	5.11	3.47	5.27	3.44	5.43	3.41	5.75	3.32	6.07	3.23

Product models : RAS-B24P2KVSG(B)-E/TR ; RAS-24P2AVSG-E/TR

Specification of product at standard condition

Standard Condition	Indoor	27°C (DB) / 19°C (WB)	Total Cooling Capacity (TC)	7.00	kW
	Outdoor	35°C (DB) / 24°C (WB)	Sensible Heat Capacity (SHC)	4.60	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	6.86	4.92	7.57	5.21	8.11	5.53	8.35	5.49	8.59	5.45	9.09	5.31	9.51	5.13
21	6.78	4.87	7.49	5.15	8.02	5.47	8.26	5.43	8.49	5.39	9.00	5.26	9.41	5.07
22	6.71	4.82	7.41	5.10	7.93	5.41	8.17	5.37	8.40	5.33	8.90	5.20	9.31	5.02
23	6.64	4.76	7.33	5.04	7.85	5.35	8.08	5.31	8.31	5.27	8.80	5.14	9.20	4.96
24	6.56	4.71	7.25	4.99	7.76	5.29	7.99	5.25	8.22	5.21	8.70	5.08	9.10	4.91
25	6.49	4.66	7.16	4.93	7.67	5.23	7.90	5.19	8.12	5.15	8.60	5.03	9.00	4.85
26	6.41	4.60	7.08	4.87	7.59	5.17	7.81	5.13	8.03	5.10	8.51	4.97	8.90	4.80
27	6.34	4.55	7.00	4.82	7.50	5.11	7.72	5.07	7.94	5.04	8.41	4.91	8.79	4.74
28	6.27	4.50	6.92	4.76	7.41	5.06	7.63	5.01	7.85	4.98	8.31	4.86	8.69	4.69
29	6.19	4.45	6.84	4.71	7.32	5.00	7.54	4.95	7.75	4.92	8.21	4.80	8.59	4.63
30	6.12	4.39	6.76	4.65	7.24	4.94	7.45	4.90	7.66	4.86	8.11	4.74	8.49	4.57
31	6.04	4.34	6.68	4.59	7.15	4.88	7.36	4.84	7.57	4.80	8.02	4.68	8.38	4.52
32	5.97	4.29	6.59	4.54	7.06	4.82	7.27	4.78	7.48	4.74	7.92	4.63	8.28	4.46
33	5.90	4.23	6.51	4.48	6.97	4.76	7.18	4.72	7.39	4.69	7.82	4.57	8.18	4.41
34	5.82	4.18	6.43	4.43	6.89	4.70	7.09	4.66	7.29	4.63	7.72	4.51	8.08	4.35
35	5.75	4.13	6.35	4.37	6.80	4.64	7.00	4.60	7.20	4.57	7.63	4.46	7.98	4.30
36	5.68	4.08	6.27	4.31	6.71	4.58	6.91	4.54	7.11	4.51	7.53	4.40	7.87	4.24
37	5.60	4.02	6.19	4.26	6.63	4.52	6.82	4.48	7.02	4.45	7.43	4.34	7.77	4.19
38	5.53	3.97	6.11	4.20	6.54	4.46	6.73	4.42	6.92	4.39	7.33	4.28	7.67	4.13
39	5.45	3.92	6.02	4.15	6.45	4.40	6.64	4.36	6.83	4.33	7.23	4.23	7.57	4.08
40	5.34	3.84	5.91	4.07	6.34	4.33	6.53	4.30	6.72	4.27	7.12	4.16	7.46	4.01
41	5.24	3.77	5.81	4.00	6.24	4.26	6.43	4.23	6.62	4.20	7.02	4.09	7.36	3.95
42	5.14	3.70	5.71	3.93	6.14	4.19	6.33	4.16	6.52	4.13	6.92	4.02	7.26	3.88
43	5.04	3.63	5.61	3.86	6.04	4.12	6.23	4.09	6.42	4.06	6.82	3.95	7.16	3.81
44	4.94	3.56	5.51	3.79	5.94	4.05	6.13	4.02	6.32	4.00	6.72	3.88	7.06	3.74
45	4.84	3.49	5.41	3.72	5.84	4.00	6.03	3.97	6.22	3.94	6.62	3.81	6.96	3.67
46	4.74	3.42	5.31	3.65	5.74	3.93	5.93	3.90	6.12	3.87	6.52	3.74	6.86	3.60

9. Part Load Performances

Indoor: RAS-B07P2KVSG(B)-E
Outdoor: RAS-07P2AVSG-E

Operation range	Cooling		Heating	
	Q	P	Q	P
MINIMUM	W 890	250	900	210
RATING	W 2000	390	2500	500
MAXIMUM	W 2900	670	3600	800

Cooling		Parts Load (%)																			
Outdoor Temperature DB (°C)		100		90		80		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
20		2385	306	2147	283	1908	264	1670	244	1431	224	1193	204	1061	196	1061	196	1061	196	1061	196
21		2359	312	2123	288	1887	268	1652	248	1416	228	1180	208	1050	200	1050	200	1050	200	1050	200
22		2334	317	2100	294	1867	273	1634	253	1400	232	1167	212	1038	203	1038	203	1038	203	1038	203
23		2308	323	2077	299	1846	278	1616	257	1385	236	1154	215	1027	207	1027	207	1027	207	1027	207
24		2282	329	2054	304	1826	283	1598	262	1369	240	1141	219	1016	211	1016	211	1016	211	1016	211
25		2257	334	2031	309	1805	288	1580	266	1354	244	1128	223	1004	214	1004	214	1004	214	1004	214
26		2231	340	2008	314	1785	292	1562	270	1339	248	1116	226	993	218	993	218	993	218	993	218
27		2205	345	1985	320	1764	297	1544	275	1323	253	1103	230	981	221	981	221	981	221	981	221
28		2180	351	1962	325	1744	302	1526	279	1308	257	1090	234	970	225	970	225	970	225	970	225
29		2154	356	1939	330	1723	307	1508	284	1292	261	1077	238	959	229	959	229	959	229	959	229
30		2128	362	1916	335	1703	312	1490	288	1277	265	1064	241	947	232	947	232	947	232	947	232
31		2103	368	1892	340	1682	316	1472	293	1262	269	1051	245	936	236	936	236	936	236	936	236
32		2077	373	1869	345	1662	321	1454	297	1246	273	1039	249	924	239	924	239	924	239	924	239
33		2051	379	1846	351	1641	326	1436	302	1231	277	1026	253	913	243	913	243	913	243	913	243
34		2026	384	1823	356	1621	331	1418	306	1215	281	1013	256	901	246	901	246	901	246	901	246
35		2000	390	1800	361	1600	336	1400	310	1200	285	1000	260	890	250	890	250	890	250	890	250
36		1974	396	1777	366	1579	340	1382	315	1185	289	987	264	879	254	879	254	879	254	879	254
37		1949	401	1754	371	1559	345	1364	319	1169	293	974	267	867	257	867	257	867	257	867	257
38		1923	407	1731	376	1538	350	1346	324	1154	297	962	271	856	261	856	261	856	261	856	261
39		1897	412	1708	382	1518	355	1328	328	1138	302	949	275	844	264	844	264	844	264	844	264
40		1872	418	1685	387	1497	360	1310	333	1123	306	936	279	833	268	833	268	833	268	833	268
41		1846	424	1661	392	1477	365	1292	337	1108	310	923	282	821	272	821	272	821	272	821	272
42		1820	429	1638	397	1456	369	1274	342	1092	314	910	286	810	275	810	275	810	275	810	275
43		1795	435	1615	402	1436	374	1256	346	1077	318	897	290	799	279	799	279	799	279	799	279
44		1769	440	1592	407	1415	379	1238	350	1061	322	885	294	787	282	787	282	787	282	787	282
45		1743	446	1569	413	1395	384	1220	355	1046	326	872	297	776	286	776	286	776	286	776	286
46		1718	451	1546	418	1374	389	1202	359	1031	330	859	301	764	289	764	289	764	289	764	289

Heating		Parts Load (%)																			
Outdoor Temperature DB (°C)		100		90		80		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
-15		1232	383	1109	349	986	314	862	279	739	244	616	192	493	170	443	161	443	161	443	161
-14		1275	389	1148	354	1020	319	893	284	765	248	638	195	510	172	459	164	459	164	459	164
-13		1319	395	1187	359	1055	324	923	288	791	252	659	198	528	175	475	166	475	166	475	166
-12		1362	401	1226	365	1090	328	954	292	817	256	681	201	545	178	490	168	490	168	490	168
-11		1406	407	1265	370	1125	333	984	296	843	260	703	204	562	180	506	171	506	171	506	171
-10		1449	413	1304	376	1159	338	1014	301	870	263	725	206	580	183	522	173	522	173	522	173
-9		1479	415	1332	378	1184	340	1036	302	888	265	740	208	592	184	533	174	533	174	533	174
-8		1510	418	1359	380	1208	342	1057	304	906	266	755	209	604	185	543	176	543	176	543	176
-7		1540	420	1386	382	1232	344	1078	306	924	268	770	210	616	186	554	177	554	177	554	177
-6		1570	423	1413	384	1256	346	1099	308	942	270	785	211	628	187	565	178	565	178	565	178
-5		1600	425	1440	387	1280	348	1120	310	960	271	800	213	640	188	576	179	576	179	576	179
-4		1630	428	1467	389	1304	350	1141	311	978	273	815	214	652	189	587	180	587	180	587	180
-3		1661	430	1495	391	1329	352	1162	313	996	274	830	215	664	191	598	181	598	181	598	181
-2		1691	433	1522	393	1353	354	1184	315	1014	276	845	216	676	192	609	182	609	182	609	182
-1		1721	435	1549	396	1377	356	1205	317	1033	277	861	218	688	193	620	183	620	183	620	183
0		1751	438	1576	398	1401	358	1226	319	1051	279	876	219	700	194	630	184	630	184	630	184
1		1781	440	1603	400	1425	360	1247	320	1069	281	891	220	713	195	641	185	641	185	641	185
2		1812	442	1630	402	1449	362	1268	322	1087	282	906	221	725	196	652	186	652	186	652	186
3		1841	448	1657	408	1473	367	1289	327	1105	286	921	224	737	199	719	192	719	192	663	192
4		1871	454	1684	413	1497	372	1310	331	1123	290	935	227	748	201	786	198	786	198	674	198
5		1901	460	1711	419	1520	377	1330	335	1140	293	950	230	760	204	854	203	854	203	684	203
6		2435	492	2192	448	1948	403	1705	358	1461	314	1218	246	974	218	877	207	877	207	877	207
7		2500	500	2250	455	2000	409	1750	364	1500	319	1250	250	1000	221	900	210	900	210	900	210
8		2565	508	2308	462	2052	416	1795	370	1539	324	1282	254	1026	225	923	213	923	213	923	213
9		2629	515	2366	469	2103	422	1840	375	1577	329	1315	258	1052	228	946	217	946	217	946	217
10		2694	523	2424	476	2155	428	1885	381	1616	334	1347	262	1077	232	970	220	970	220	970	220
11		2758	531	2482	483	2206	435	1931	387	1655	338	1379	265	1103	235	993	223	993	223	993	223
12		2823	539	2540	490	2258	441	1976	392	1694	343	1411	269	1129	239	1016	226	1016	226	1016	226
13		2887	546	2598	497	2310	447	2021	398	1732	348	1444	273	1155	242	1039	230	1039	230	1039	230
14		2952	554	2656	504	2361	454	2066	404	1771	353	1476	277	1181	245	1063	233	1063	233	1063	233
15		3016	562	2715	511	2413	460	2111	409	1810	358	1508	281	1206	249	1086	236	1086	236	1086	236
16		3081	570	2773	518	2465	466	2156	415	1848	363	1540	285	1232	252	1109	239	1109	239	1109	239
17		3145	577	2831	525	2516	473	2202	420	1887	368	1573	289	1258	256	1132	243	1132	243	1132	243
18		3210	585	2889	532	2568	479	2247	426	1926	373	1605	293	1284	259	1155	246	1155	246	1155	246
19		3274	593	2947	539	2619	485	2292	432	1965	378	1637	296	1310	263	1179	249	1179	249	1179	249
20		3339	601	3005	546	2671	492	2337	437	2003	383	1669	300	1335	266	1202	252	1202	252	1202	252
21		3403	608	3063	553	2723	498	2382	443	2042	388	1702	304	1361	269	1225	256	1225	256	1225	256
22		3468	616	3121	560	2774	504	2427	449	2081	393	1734	308	1387	273	1248	259	1248	259	1248	259
23		3532	624	3179	567	2826	511	2473	454	2119	398	1766	312	1413	276	1272	262	1272	262	1272	262
24		3597	632	3237	574	2877	517	2518	460	2158	403	1798	316	1439	280	1295	265	1295	265	1295	265

Indoor: RAS-B10P2KVSG(B)-E/TR
Outdoor: RAS-10P2AVSG-E/TR

Operation range	Cooling		Heating	
	Q	P	Q	P
MINIMUM	W 1000	260	1000	200
RATING	W 2500	540	3200	700
MAXIMUM	W 3200	790	4800	1230

Cooling		Parts Load (%)																			
Outdoor Temperature DB (°C)		100		90		80		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
20		2981	424	2683	358	2385	322	2087	285	1789	249	1491	212	1193	204	1193	204	1193	204	1193	204
21		2949	432	2654	365	2359	328	2064	290	1770	253	1475	216	1180	208	1180	208	1180	208	1180	208
22		2917	439	2625	372	2334	334	2042	296	1750	258	1459	220	1167	212	1167	212	1167	212	1167	212
23		2885	447	2597	378	2308	339	2020	301	1731	262	1443	224	1154	215	1154	215	1154	215	1154	215
24		2853	455	2568	385	2282	345	1997	306	1712	267	1426	227	1141	219	1141	219	1141	219	1141	219
25		2821	463	2539	391	2257	351	1975	311	1693	271	1410	231	1128	223	1128	223	1128	223	1128	223
26		2789	470	2510	398	2231	357	1952	316	1673	276	1394	235	1116	226	1116	226	1116	226	1116	226
27		2757	478	2481	404	2205	363	1930	322	1654	280	1378	239	1103	230	1103	230	1103	230	1103	230
28		2725	486	2452	411	2180	369	1907	327	1635	285	1362	243	1090	234	1090	234	1090	234	1090	234
29		2693	494	2423	417	2154	375	1885	332	1616	289	1346	247	1077	238	1077	238	1077	238	1077	238
30		2660	501	2394	424	2128	381	1862	337	1596	294	1330	251	1064	241	1064	241	1064	241	1064	241
31		2628	509	2366	430	2103	386	1840	343	1577	299	1314	255	1051	245	1051	245	1051	245	1051	245
32		2596	517	2337	437	2077	392	1817	348	1558	303	1298	258	1039	249	1039	249	1039	249	1039	249
33		2564	525	2308	444	2051	398	1795	353	1539	308	1282	262	1026	253	1026	253	1026	253	1026	253
34		2532	532	2279	450	2026	404	1772	358	1519	312	1266	266	1013	256	1013	256	1013	256	1013	256
35		2500	540	2250	457	2000	410	1750	363	1500	317	1250	270	1000	260	1000	260	1000	260	1000	260
36		2468	548	2221	463	1974	416	1728	369	1481	321	1234	274	987	264	987	264	987	264	987	264
37		2436	555	2192	470	1949	422	1705	374	1462	326	1218	278	974	267	974	267	974	267	974	267
38		2404	563	2163	476	1923	428	1683	379	1442	330	1202	282	962	271	962	271	962	271	962	271
39		2372	571	2135	483	1897	434	1660	384	1423	335	1186	285	949	275	949	275	949	275	949	275
40		2340	579	2106	489	1872	439	1638	389	1404	339	1170	289	936	279	936	279	936	279	936	279
41		2308	586	2077	496	1846	445	1615	395	1385	344	1154	293	923	282	923	282	923	282	923	282
42		2275	594	2048	502	1820	451	1593	400	1365	348	1138	297	910	286	910	286	910	286	910	286
43		2243	602	2019	509	1795	457	1570	405	1346	353	1122	301	897	290	897	290	897	290	897	290
44		2211	610	1990	516	1769	463	1548	410	1327	358	1106	305	885	294	885	294	885	294	885	294
45		2179	617	1961	522	1743	469	1525	415	1308	362	1090	309	872	297	872	297	872	297	872	297
46		2147	625	1932	529	1718	475	1503	421	1288	367	1074	313	859	301	859	301	859	301	859	301

Heating		Parts Load (%)																			
Outdoor Temperature DB (°C)		100		90		80		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
-15		1193	415	1073	339	954	295	835	252	716	209	596	166	477	141	373	119	373	119	373	119
-14		1259	425	1133	347	1007	302	881	258	755	214	629	170	504	144	393	121	393	121	393	121
-13		1325	435	1193	355	1060	309	928	264	795	219	663	174	530	147	414	124	414	124	414	124
-12		1391	445	1252	363	1113	317	974	270	835	224	696	178	557	151	435	127	435	127	435	127
-11		1458	455	1312	371	1166	324	1020	276	875	229	729	182	583	154	455	130	455	130	455	130
-10		1524	465	1371	379	1219	331	1067	282	914	234	762	186	610	158	476	133	476	133	476	133
-9		1590	478	1431	389	1272	340	1113	290	954	241	795	191	636	162	497	136	497	136	497	136
-8		1656	490	1491	400	1325	349	1159	298	994	247	828	196	663	166	518	140	518	140	518	140
-7		1723	503	1550	410	1378	358	1206	306	1034	254	861	201	689	171	538	144	538	144	538	144
-6		1789	516	1610	421	1431	367	1252	314	1073	260	894	206	716	175	559	147	559	147	559	147
-5		1855	529	1670	432	1484	377	1299	322	1113	267	928	212	742	179	580	151	580	151	580	151
-4		1921	542	1729	442	1537	386	1345	329	1153	273	961	217	769	184	600	155	600	155	600	155
-3		1988	555	1789	453	1590	395	1391	337	1193	280	994	222	795	188	621	159	621	159	621	159
-2		2054	568	1848	463	1643	404	1438	345	1232	286	1027	227	822	193	642	162	642	162	642	162
-1		2120	581	1908	474	1696	413	1484	353	1272	293	1060	232	848	197	663	166	663	166	663	166
0		2186	594	1968	484	1749	422	1530	361	1312	299	1093	237	875	201	683	170	683	170	683	170
1		2253	607	2027	495	1802	432	1577	369	1352	306	1126	243	901	206	704	173	704	173	704	173
2		2319	619	2087	505	1855	441	1623	377	1391	312	1159	248	928	210	725	177	725	177	725	177
3		2387	628	2121	512	1885	447	1650	382	1414	316	1178	251	943	213	737	179	737	179	737	179
4		2395	636	2155	519	1916	453	1676	387	1437	321	1197	254	958	216	748	182	748	182	748	182
5		2433	644	2190	526	1946	459	1703	392	1460	325	1216	258	973	219	760	184	760	184	760	184
6		3117	689	2806	562	2494	490	2182	419	1870	347	1559	276	1247	234	974	197	974	197	974	197
7		3200	700	2880	571	2560	498	2240	425	1920	353	1600	280	1280	237	1000	200	1000	200	1000	200
8		3283	711	2954	580	2626	506	2298	432	1970	358	1641	284	1313	241	1026	203	1026	203	1026	203
9		3365	722	3029	589	2692	514	2356	439	2019	364	1683	289	1346	245	1052	206	1052	206	1052	206
10		3448	733	3103	597	2758	521	2413	445	2069	369	1724	293	1379	248	1077	209	1077	209	1077	209
11		3530	743	3177	606	2824	529	2471	452	2118	375	1765	297	1412	252	1103	212	1103	212	1103	212
12		3613	754	3252	615	2890	537	2529	458	2168	380	1806	302	1445	256	1129	215	1129	215	1129	215
13		3695	765	3326	624	2956	544	2587	465	2217	385	1848	306	1478	259	1155	219	1155	219	1155	219
14		3778	776	3400	633	3022	552	2645	472	2267	391	1889	310	1511	263	1181	222	1181	222	1181	222
15		3861	787	3475	642	3089	560	2702	478	2316	396	1930	315	1544	267	1206	225	1206	225	1206	225
16		3943	798	3549	650	3155	568	2760	485	2366	402	1972	319	1577	270	1232	228	1232	228	1232	228
17		4026	808	3623	659	3221	575	2818	491	2415	407	2013	323	1610	274	1258	231	1258	231	1258	231
18		4108	819	3698	668	3287	583	2876	498	2465	413	2054	328	1643	278	1284	234	1284	234	1284	234
19		4191	830	3772	677	3353	591	2934	505	2515	418	2095	332	1676	281	1310	237	1310	237	1310	237
20		4274	841	3846	686	3419	598	2991	511	2564	424	2137	336	1709	285	1335	240	1335	240	1335	240
21		4356	852	3921	695	3485	606	3049	518	2614	429	2178	341	1742	289	1361	243	1361	243	1361	243
22		4439	863	3995	704	3551	614	3107	524	2663	435	2219	345	1775	292	1387	246	1387	246	1387	246
23		4521	873	4069	712	3617	622	3165	531	2713	440	2261	349	1809	296	1413	250	1413	250	1413	250
24		4604	884	4143	721	3683	629	3223	537	2762	446	2302	354	1842	300	1439	253	1439	253	1439	253

Indoor: RAS-B13P2KVSG(B)-E/TR
 Outdoor: RAS-13P2AVSG-E/TR

Operation range		Cooling		Heating	
		Q	P	Q	P
MINIMUM	W	1000	250	1000	200
RATING	W	3500	860	4200	1080
MAXIMUM	W	4100	1120	5300	1550

Cooling

Outdoor Temperature DB (°C)	Parts Load (%)																			
	100		90		80		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
20	4174	675	3756	590	3339	523	2922	456	2504	389	2087	322	1670	263	1252	205	1193	196	1193	196
21	4129	687	3716	601	3303	533	2890	464	2477	396	2064	328	1652	268	1239	208	1180	200	1180	200
22	4084	700	3676	612	3267	542	2859	473	2450	403	2042	334	1634	273	1225	212	1167	203	1167	203
23	4039	712	3635	622	3231	552	2827	481	2423	410	2020	339	1616	278	1212	216	1154	207	1154	207
24	3994	724	3595	633	3195	561	2796	489	2396	417	1997	345	1598	282	1198	220	1141	211	1141	211
25	3949	737	3554	644	3159	571	2764	498	2370	424	1975	351	1580	287	1185	223	1128	214	1128	214
26	3904	749	3514	655	3123	580	2733	506	2343	431	1952	357	1562	292	1171	227	1116	218	1116	218
27	3859	761	3473	665	3087	590	2702	514	2316	439	1930	363	1544	297	1158	231	1103	221	1103	221
28	3814	774	3433	676	3052	599	2670	523	2289	446	1907	369	1526	302	1144	235	1090	225	1090	225
29	3770	786	3393	687	3016	609	2639	531	2262	453	1885	375	1508	306	1131	238	1077	229	1077	229
30	3725	798	3352	698	2980	618	2607	539	2235	460	1862	381	1490	311	1117	242	1064	232	1064	232
31	3680	811	3312	709	2944	628	2576	548	2208	467	1840	386	1472	316	1104	246	1051	236	1051	236
32	3635	823	3271	719	2908	638	2544	556	2181	474	1817	392	1454	321	1090	249	1039	239	1039	239
33	3590	835	3231	730	2872	647	2513	564	2154	481	1795	398	1436	326	1077	253	1026	243	1026	243
34	3545	848	3190	741	2836	657	2481	572	2127	488	1772	404	1418	331	1063	257	1013	246	1013	246
35	3500	860	3150	752	2800	666	2450	581	2100	495	1750	410	1400	335	1050	261	1000	250	1000	250
36	3455	872	3110	762	2764	676	2419	589	2073	503	1728	416	1382	340	1037	264	987	254	987	254
37	3410	885	3069	773	2728	685	2387	597	2046	510	1705	422	1364	345	1023	268	974	257	974	257
38	3365	897	3029	784	2692	695	2356	606	2019	517	1683	428	1346	350	1010	272	962	261	962	261
39	3320	909	2988	795	2656	704	2324	614	1992	524	1660	434	1328	355	996	276	949	264	949	264
40	3275	922	2948	805	2620	714	2293	622	1965	531	1638	439	1310	359	983	279	936	268	936	268
41	3231	934	2907	816	2584	723	2261	631	1938	538	1615	445	1292	364	969	283	923	272	923	272
42	3186	946	2867	827	2548	733	2230	639	1911	545	1593	451	1274	369	956	287	910	275	910	275
43	3141	959	2827	838	2513	743	2198	647	1884	552	1570	457	1256	374	942	291	897	279	897	279
44	3096	971	2786	849	2477	752	2167	656	1857	559	1548	463	1238	379	929	294	885	282	885	282
45	3051	983	2746	859	2441	762	2136	664	1831	566	1525	469	1220	383	915	298	872	286	872	286
46	3006	996	2705	870	2405	771	2104	672	1804	574	1503	475	1202	388	902	302	859	289	859	289

Heating

Outdoor Temperature DB (°C)	Parts Load (%)																			
	100		90		80		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
-15	1717	625	1545	481	1373	415	1202	348	1030	281	858	214	687	177	515	139	409	116	409	116
-14	1810	654	1629	504	1448	434	1267	364	1086	294	905	224	724	185	543	146	431	121	431	121
-13	1904	684	1714	527	1523	454	1333	380	1142	307	952	234	762	193	571	152	453	127	453	127
-12	1998	713	1798	549	1598	473	1398	397	1199	321	999	244	799	201	599	159	476	132	476	132
-11	2091	743	1882	572	1673	493	1464	413	1255	334	1046	254	837	210	627	165	498	138	498	138
-10	2185	772	1967	595	1748	512	1530	430	1311	347	1093	264	874	218	656	172	520	143	520	143
-9	2257	787	2031	606	1805	522	1580	438	1354	354	1128	270	903	222	677	175	537	146	537	146
-8	2328	803	2095	618	1863	532	1630	447	1397	361	1164	275	931	227	698	178	554	149	554	149
-7	2400	818	2160	630	1920	543	1680	455	1440	368	1200	280	960	231	720	182	571	151	571	151
-6	2471	833	2224	642	1977	553	1730	464	1483	375	1236	285	988	235	741	185	588	154	588	154
-5	2543	849	2288	654	2034	563	1780	472	1526	381	1271	291	1017	240	763	189	605	157	605	157
-4	2614	864	2353	665	2091	573	1830	481	1569	388	1307	296	1046	244	784	192	622	160	622	160
-3	2686	879	2417	677	2149	583	1880	489	1611	395	1343	301	1074	248	806	196	639	163	639	163
-2	2757	894	2482	689	2206	593	1930	498	1654	402	1379	306	1103	253	827	199	657	166	657	166
-1	2829	910	2546	701	2263	604	1980	506	1697	409	1414	312	1132	257	849	202	674	168	674	168
0	2900	925	2610	713	2320	614	2030	515	1740	416	1450	317	1160	261	870	206	691	171	691	171
1	2972	940	2675	724	2378	624	2080	523	1783	423	1486	322	1189	266	892	209	708	174	708	174
2	3043	956	2739	736	2435	634	2130	532	1826	430	1522	327	1217	270	913	213	725	177	725	177
3	3093	969	2784	746	2475	643	2165	539	1856	435	1547	332	1237	274	928	215	737	179	737	179
4	3143	981	2829	756	2515	651	2200	546	1886	441	1572	336	1257	277	943	218	748	182	748	182
5	3193	994	2874	766	2554	660	2235	553	1916	447	1597	341	1277	281	958	221	760	184	760	184
6	4092	1063	3682	819	3273	705	2864	592	2455	478	2046	364	1637	300	1227	236	974	197	974	197
7	4200	1080	3780	832	3360	717	2940	601	2520	486	2100	370	1680	305	1260	240	1000	200	1000	200
8	4308	1097	3878	845	3447	728	3016	610	2585	493	2154	376	1723	310	1293	244	1026	203	1026	203
9	4417	1113	3975	858	3533	739	3092	620	2650	501	2208	381	1767	315	1325	248	1052	206	1052	206
10	4525	1130	4073	871	3620	750	3168	629	2715	508	2263	387	1810	319	1358	251	1077	209	1077	209
11	4634	1147	4170	884	3707	761	3243	638	2780	516	2317	393	1853	324	1390	255	1103	212	1103	212
12	4742	1164	4268	896	3794	772	3319	648	2845	523	2371	399	1897	329	1423	259	1129	215	1129	215
13	4850	1180	4365	909	3880	783	3395	657	2910	531	2425	404	1940	333	1455	262	1155	219	1155	219
14	4959	1197	4463	922	3967	794	3471	666	2975	538	2479	410	1983	338	1488	266	1181	222	1181	222
15	5067	1214	4560	935	4054	805	3547	675	3040	546	2534	416	2027	343	1520	270	1206	225	1206	225
16	5175	1231	4658	948	4140	816	3623	685	3105	553	2588	422	2070	348	1553	274	1232	228	1232	228
17	5284	1247	4755	961	4227	827	3699	694	3170	561	2642	427	2114	352	1585	277	1258	231	1258	231
18	5392	1264	4853	974	4314	839	3775	703	3235	568	2696	433	2157	357	1618	281	1284	234	1284	234
19	5501	1281	4951	987	4401	850	3850	713	3300	576	2750	439	2200	362	1650	285	1310	237	1310	237
20	5609	1297	5048	999	4487	861	3926	722	3365	583	2805	444	2244	367	1683	289	1335	240	1335	240
21	5717	1314	5146	1012	4574	872	4002	731	3430	591	2859	450	2287	371	1715	292	1361	243	1361	243
22	5826	1331	5243	1025	4661	883	4078	741	3495	598	2913	456	2330	376	1748	296	1387	246	1387	246
23	5934	1348	5341	1038	4747	894	4154	750	3561	606	2967	462	2374	381	1780	300	1413	250	1413	250
24	6043	1364	5438	1051	4834	905	4230	759	3626	613	3021	467	2417	385	1813	303	1439	253	1439	253

Indoor: RAS-B16P2KVSG(B)-E/TR
Outdoor: RAS-16P2AVSG-E/TR

Operation range		Cooling		Heating	
		Q	P	Q	P
MINIMUM	W	1200	340	1100	240
RATING	W	4600	1350	5500	1480
MAXIMUM	W	5300	1720	6500	1900

Cooling

Outdoor Temperature DB (°C)	Parts Load (%)																			
	100		90		80		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
20	5486	1060	4937	822	4388	714	3840	607	3291	500	2743	393	2194	340	1646	287	1431	267	1431	267
21	5426	1079	4884	837	4341	727	3799	618	3256	509	2713	400	2171	346	1628	293	1416	272	1416	272
22	5367	1098	4831	852	4294	740	3757	629	3220	518	2684	407	2147	352	1610	298	1400	277	1400	277
23	5308	1118	4778	867	4247	753	3716	640	3185	527	2654	414	2123	359	1593	303	1385	282	1385	282
24	5249	1137	4724	882	4199	766	3675	651	3150	536	2625	421	2100	365	1575	308	1369	286	1369	286
25	5190	1157	4671	897	4152	780	3633	662	3114	545	2595	428	2076	371	1557	314	1354	291	1354	291
26	5131	1176	4618	912	4105	793	3592	674	3079	555	2566	436	2053	377	1539	319	1339	296	1339	296
27	5072	1195	4565	927	4058	806	3551	685	3043	564	2536	443	2029	383	1522	324	1323	301	1323	301
28	5013	1215	4512	942	4011	819	3509	696	3008	573	2507	450	2005	390	1504	329	1308	306	1308	306
29	4954	1234	4459	957	3963	832	3468	707	2973	582	2477	457	1982	396	1486	335	1292	311	1292	311
30	4895	1253	4406	972	3916	845	3427	718	2937	591	2448	464	1958	402	1469	340	1277	316	1277	316
31	4836	1273	4353	987	3869	858	3385	729	2902	600	2418	471	1934	408	1451	345	1262	321	1262	321
32	4777	1292	4299	1002	3822	871	3344	740	2866	609	2389	479	1911	414	1433	350	1246	325	1246	325
33	4718	1311	4246	1017	3774	884	3303	751	2831	618	2359	486	1887	421	1415	356	1231	330	1231	330
34	4659	1331	4193	1032	3727	897	3261	762	2795	628	2330	493	1864	427	1398	361	1215	335	1215	335
35	4600	1350	4140	1047	3680	910	3220	773	2760	637	2300	500	1840	433	1380	366	1200	340	1200	340
36	4541	1369	4087	1062	3633	923	3179	784	2725	646	2270	507	1816	439	1362	371	1185	345	1185	345
37	4482	1389	4034	1077	3586	936	3137	795	2689	655	2241	514	1793	446	1345	377	1169	350	1169	350
38	4423	1408	3981	1092	3538	949	3096	807	2654	664	2211	522	1769	452	1327	382	1154	355	1154	355
39	4364	1427	3927	1107	3491	962	3055	818	2618	673	2182	529	1746	458	1309	387	1138	359	1138	359
40	3861	1298	3475	1006	3089	875	2703	743	2317	612	1931	481	1544	416	1158	352	1007	327	1007	327
41	3758	1298	3382	1006	3006	875	2631	743	2255	612	1879	481	1503	416	1127	352	980	327	980	327
42	3657	1298	3292	1006	2926	875	2560	743	2194	612	1829	481	1463	416	1097	352	954	327	954	327
43	3560	1298	3204	1006	2848	875	2492	743	2136	612	1780	481	1424	416	1068	352	929	327	929	327
44	3464	1298	3118	1006	2771	875	2425	743	2078	612	1732	481	1386	416	1039	352	904	327	904	327
45	3371	1298	3034	1006	2697	875	2360	743	2023	612	1686	481	1348	416	1011	352	879	327	879	327
46	3280	1298	2952	1006	2624	875	2296	743	1968	612	1640	481	1312	416	984	352	856	327	856	327

Heating

Outdoor Temperature DB (°C)	Parts Load (%)																			
	100		90		80		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
-15	2391	982	2152	879	1913	777	1674	674	1435	571	1196	378	957	305	717	232	478	159	478	159
-14	2498	1015	2248	909	1998	802	1748	696	1499	590	1249	391	999	315	749	240	500	165	500	165
-13	2604	1048	2343	938	2083	828	1823	719	1562	609	1302	404	1042	326	781	248	521	170	521	170
-12	2710	1081	2439	967	2168	854	1897	741	1626	628	1355	416	1084	336	813	256	542	175	542	175
-11	2816	1113	2535	997	2253	880	1971	763	1690	647	1408	429	1127	346	845	263	563	181	563	181
-10	2923	1146	2630	1026	2338	906	2046	786	1754	666	1461	441	1169	356	877	271	585	186	585	186
-9	3011	1160	2710	1038	2409	917	2108	795	1807	674	1506	447	1205	360	903	274	602	188	602	188
-8	3100	1173	2790	1050	2480	928	2170	805	1860	682	1550	452	1240	365	930	277	620	190	620	190
-7	3188	1187	2870	1063	2551	938	2232	814	1913	690	1594	457	1275	369	957	281	638	192	638	192
-6	3277	1201	2949	1075	2622	949	2294	823	1966	698	1638	462	1311	373	983	284	655	195	655	195
-5	3366	1214	3029	1087	2692	960	2356	833	2019	706	1683	468	1346	377	1010	287	673	197	673	197
-4	3454	1228	3109	1099	2763	971	2418	842	2072	713	1727	473	1382	382	1036	290	691	199	691	199
-3	3543	1242	3188	1111	2834	981	2480	851	2126	721	1771	478	1417	386	1063	294	709	201	709	201
-2	3631	1255	3268	1124	2905	992	2542	861	2179	729	1816	483	1452	390	1089	297	726	204	726	204
-1	3720	1269	3348	1136	2976	1003	2604	870	2232	737	1860	489	1488	394	1116	300	744	206	744	206
0	3808	1282	3428	1148	3047	1014	2666	880	2285	745	1904	494	1523	399	1143	303	762	208	762	208
1	3897	1296	3507	1160	3118	1025	2728	889	2338	753	1948	499	1559	403	1169	307	779	210	779	210
2	3986	1310	3587	1173	3188	1035	2790	898	2391	761	1993	504	1594	407	1196	310	797	212	797	212
3	4051	1327	3646	1188	3241	1049	2836	910	2430	771	2025	511	1620	413	1215	314	810	215	810	215
4	4116	1345	3704	1204	3293	1063	2881	922	2470	782	2058	518	1646	418	1235	318	823	218	823	218
5	4181	1363	3763	1220	3345	1077	2927	934	2509	792	2091	525	1673	424	1254	322	836	221	836	221
6	5358	1457	4822	1304	4286	1152	3751	999	3215	847	2679	561	2143	453	1607	345	1072	236	1072	236
7	5500	1480	4950	1325	4400	1170	3850	1015	3300	860	2750	570	2200	460	1650	350	1100	240	1100	240
8	5642	1503	5078	1346	4514	1188	3949	1031	3385	873	2821	579	2257	467	1693	355	1128	244	1128	244
9	5784	1526	5205	1366	4627	1206	4049	1046	3470	887	2892	588	2314	474	1735	361	1157	247	1157	247
10	5926	1549	5333	1387	4741	1224	4148	1062	3555	900	2963	596	2370	481	1778	366	1185	251	1185	251
11	6068	1572	5461	1407	4854	1242	4247	1078	3641	913	3034	605	2427	488	1820	372	1214	255	1214	255
12	6210	1595	5589	1428	4968	1261	4347	1094	3726	927	3105	614	2484	496	1863	377	1242	259	1242	259
13	6352	1617	5716	1448	5081	1279	4446	1109	3811	940	3176	623	2541	503	1905	383	1270	262	1270	262
14	6494	1640	5844	1469	5195	1297	4545	1125	3896	953	3247	632	2597	510	1948	388	1299	266	1299	266
15	6635	1663	5972	1489	5308	1315	4645	1141	3981	967	3318	641	2654	517	1991	393	1327	270	1327	270
16	6777	1686	6100	1510	5422	1333	4744	1156	4066	980	3389	649	2711	524	2033	399	1355	273	1355	273
17	6062	1497	5455	1340	4849	1184	4243	1027	3637	870	3031	577	2425	465	1818	354	1212	243	1212	243
18	6104	1497	5494	1340	4883	1184	4273	1027	3662	870	3052	577	2442	465	1831	354	1221	243	1221	243
19	6146	1497	5531	1340	4916	1184	4302	1027	3687	870	3073	577	2458	465	1844	354	1229	243	1229	243
20	6186	1497	5567	1340	4949	1184	4330	1027	3712	870	3093	577	2474	465	1856	354	1237	243	1237	243
21	6225	1497	5603	1340	4980	1184	4358	1027	3735	870	3113	577	2490	465	1868	354	1245	243	1245	243
22	6263	1497	5637	1340	5011	1184	4384	1027	3758	870	3132	577	2505	465	1879	354	1253	243	1253	243
23	6301	1497	5671	1340	5041	1184	4411	1027	3780	870	3150	577	2520	465	1890	354	1260	243	1260	243
24	6337	1497	5704	1340	5070	1184	4436	1027	3802	870	3169	577	2535	465	1901	354	1267	243	1267	243

Indoor: RAS-B18P2KVSG(B)-E/TR
 Outdoor: RAS-18P2AVSG-E/TR

Operation range	Cooling		Heating	
	Q	P	Q	P
MINIMUM	W 1200	350	1100	250
RATING	W 5000	1420	6000	1590
MAXIMUM	W 6000	2000	6500	1750

Cooling

Outdoor Temperature DB (°C)	Parts Load (%)																			
	100		90		80		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
20	5963	1115	5366	858	4770	748	4174	637	3578	527	2981	416	2385	362	1789	307	1431	275	1431	275
21	5898	1135	5309	874	4719	761	4129	649	3539	536	2949	424	2359	368	1770	313	1416	280	1416	280
22	5834	1155	5251	889	4667	775	4084	660	3501	546	2917	431	2334	375	1750	319	1400	285	1400	285
23	5770	1176	5193	905	4616	789	4039	672	3462	555	2885	439	2308	382	1731	324	1385	290	1385	290
24	5706	1196	5135	921	4565	802	3994	684	3424	565	2853	446	2282	388	1712	330	1369	295	1369	295
25	5642	1216	5078	936	4513	816	3949	695	3385	575	2821	454	2257	395	1693	335	1354	300	1354	300
26	5578	1237	5020	952	4462	830	3904	707	3347	584	2789	462	2231	401	1673	341	1339	305	1339	305
27	5513	1257	4962	968	4411	843	3859	719	3308	594	2757	469	2205	408	1654	347	1323	310	1323	310
28	5449	1278	4904	983	4359	857	3814	730	3270	603	2725	477	2180	415	1635	352	1308	315	1308	315
29	5385	1298	4847	999	4308	870	3770	742	3231	613	2693	484	2154	421	1616	358	1292	320	1292	320
30	5321	1318	4789	1015	4257	884	3725	753	3193	623	2660	492	2128	428	1596	363	1277	325	1277	325
31	5257	1339	4731	1030	4205	898	3680	765	3154	632	2628	500	2103	434	1577	369	1262	330	1262	330
32	5193	1359	4673	1046	4154	911	3635	777	3116	642	2596	507	2077	441	1558	375	1246	335	1246	335
33	5128	1379	4616	1062	4103	925	3590	788	3077	652	2564	515	2051	448	1539	380	1231	340	1231	340
34	5064	1400	4558	1077	4051	939	3545	800	3039	661	2532	522	2026	454	1519	386	1215	345	1215	345
35	5000	1420	4500	1093	4000	952	3500	812	3000	671	2500	530	2000	461	1500	392	1200	350	1200	350
36	4936	1440	4442	1109	3949	966	3455	823	2962	680	2468	538	1974	467	1481	397	1185	355	1185	355
37	4872	1461	4385	1124	3897	980	3410	835	2923	690	2436	545	1949	474	1462	403	1169	360	1169	360
38	4808	1481	4327	1140	3846	993	3365	846	2885	700	2404	553	1923	481	1442	408	1154	365	1154	365
39	4743	1501	4269	1156	3795	1007	3320	858	2846	709	2372	560	1897	487	1423	414	1138	370	1138	370
40	4679	1522	4211	1172	3743	1021	3275	870	2808	719	2340	568	1872	494	1404	420	1123	375	1123	375
41	4615	1542	4154	1187	3692	1034	3231	881	2769	728	2308	576	1846	500	1385	425	1108	380	1108	380
42	4551	1562	4096	1203	3641	1048	3186	893	2731	738	2275	583	1820	507	1365	431	1092	385	1092	385
43	4489	1573	4013	1211	3568	1055	3122	899	2676	743	2230	587	1784	510	1338	434	1070	388	1070	388
44	4340	1573	3906	1211	3472	1055	3038	899	2604	743	2170	587	1736	510	1302	434	1042	388	1042	388
45	3930	1464	3537	1127	3144	982	2751	837	2358	692	1965	546	1572	475	1179	404	943	361	943	361
46	3824	1464	3442	1127	3059	982	2677	837	2294	692	1912	546	1530	475	1147	404	918	361	918	361

Heating

Outdoor Temperature DB (°C)	Parts Load (%)																			
	100		90		80		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
-15	2647	1173	2382	897	2117	776	1853	655	1588	534	1323	413	1059	341	794	269	529	196	485	184
-14	2760	1191	2484	911	2208	788	1932	665	1656	543	1380	420	1104	346	828	273	552	200	506	187
-13	2873	1210	2586	926	2299	801	2011	676	1724	551	1437	426	1149	352	862	277	575	203	527	190
-12	2987	1229	2688	940	2389	813	2091	686	1792	560	1493	433	1195	357	896	281	597	206	548	193
-11	3100	1248	2790	954	2480	826	2170	697	1860	568	1550	439	1240	363	930	286	620	209	568	196
-10	3214	1266	2892	969	2571	838	2250	707	1928	577	1607	446	1285	368	964	290	643	212	589	199
-9	3308	1278	2977	978	2647	846	2316	714	1985	582	1654	450	1323	371	992	293	662	214	606	201
-8	3403	1290	3062	987	2722	854	2382	720	2042	587	1701	454	1361	375	1021	295	681	216	624	203
-7	3497	1302	3147	996	2798	861	2448	727	2098	593	1749	458	1399	378	1049	298	699	218	641	205
-6	3592	1313	3233	1005	2873	869	2514	734	2155	598	1796	463	1437	382	1078	301	718	220	658	206
-5	3686	1325	3318	1014	2949	877	2580	740	2212	603	1843	467	1474	385	1106	304	737	222	676	208
-4	3781	1337	3403	1023	3025	885	2647	747	2268	609	1890	471	1512	388	1134	306	756	224	693	210
-3	3875	1348	3488	1032	3100	892	2713	753	2325	614	1938	475	1550	392	1163	309	775	226	710	212
-2	3970	1360	3573	1041	3176	900	2779	760	2382	619	1985	479	1588	395	1191	312	794	228	728	214
-1	4064	1372	3658	1049	3251	908	2845	766	2439	625	2032	483	1626	399	1219	314	813	230	745	216
0	4159	1384	3743	1058	3327	916	2911	773	2495	630	2079	487	1664	402	1248	317	832	232	762	218
1	4253	1395	3828	1067	3403	923	2977	779	2552	635	2127	491	1701	406	1276	320	851	234	780	219
2	4348	1407	3913	1076	3478	931	3043	786	2609	641	2174	496	1739	409	1304	322	870	236	797	221
3	4419	1426	3977	1091	3535	944	3093	797	2651	649	2210	502	1768	414	1326	327	884	239	810	224
4	4490	1445	4041	1105	3592	956	3143	807	2694	658	2245	509	1796	420	1347	331	898	242	823	227
5	4561	1464	4105	1120	3649	969	3193	818	2737	667	2281	516	1825	425	1368	335	912	245	836	230
6	4585	1565	4261	1197	4676	1036	4092	874	3507	713	2923	551	2338	455	1754	359	1169	262	1072	246
7	6000	1590	5400	1216	4800	1052	4200	888	3600	724	3000	560	2400	462	1800	364	1200	266	1100	250
8	6155	1615	5539	1235	4924	1069	4308	902	3693	735	3077	569	2462	469	1846	370	1231	270	1128	254
9	6310	1639	5679	1254	5048	1085	4417	916	3786	747	3155	577	2524	476	1893	375	1262	275	1157	258
10	6465	1664	5818	1273	5172	1101	4525	929	3879	758	3232	586	2586	484	1939	381	1293	279	1185	262
11	6619	1688	5957	1292	5295	1117	4634	943	3972	769	3310	595	2648	491	1986	387	1324	283	1214	265
12	6774	1713	6097	1310	5419	1134	4742	957	4065	780	3387	603	2710	498	2032	392	1355	287	1242	269
13	6929	1738	6236	1329	5543	1150	4850	971	4157	791	3465	612	2772	505	2079	398	1386	291	1270	273
14	7084	1762	6375	1348	5667	1166	4959	984	4250	803	3542	621	2834	512	2125	404	1417	295	1299	277
15	7239	1787	6515	1367	5791	1183	5067	998	4343	814	3619	629	2895	519	2172	409	1448	299	1327	281
16	7394	1812	6654	1386	5915	1199	5175	1012	4436	825	3697	638	2957	527	2218	415	1479	303	1355	285
17	6626	1612	5963	1233	5301	1067	4638	900	3976	734	3313	568	2650	468	1988	369	1325	270	1215	253
18	6673	1612	6005	1233	5338	1067	4671	900	4004	734	3336	568	2669	468	2002	369	1335	270	1223	253
19	6718	1612	6046	1233	5374	1067	4702	900	4031	734	3359	568	2687	468	2015	369	1344	270	1232	253
20	6762	1612	6086	1233	5409	1067	4733	900	4057	734	3381	568	2705	468	2029	369	1352	270	1240	253
21	6805	1612	6124	1233	5444	1067	4763	900	4083	734	3402	568	2722	468	2041	369	1361	270	1248	253
22	6847	1612	6162	1233	5477	1067	4793	900	4108	734	3423	568	2739	468	2054	369	1369	270	1255	253
23	6888	1612	6199	1233	5510	1067	4821	900	4133	734	3444	568	2755	468	2066	369	1378	270	1263	253
24	6927	1612	6235	1233	5542	1067	4849	900	4156	734	3464	568	2771	468	2078	369	1385	270	1270	253

Indoor: RAS-B22P2KVSG(B)-E/TR
 Outdoor: RAS-22P2AVSG-E/TR

Operation range		Cooling		Heating	
		Q	P	Q	P
MINIMUM	W	1390	410	1150	320
RATING	W	6100	1990	7000	2000
MAXIMUM	W	6700	2200	7500	2500

Cooling

Outdoor Temperature DB (°C)	Parts Load (%)																			
	100		90		80		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
20	7274	1562	6547	1325	5819	1165	5092	1004	4365	844	3637	683	2910	550	2182	418	1658	322	1658	322
21	7196	1591	6476	1350	5757	1186	5037	1023	4318	859	3598	695	2878	560	2159	425	1640	328	1640	328
22	7118	1619	6406	1374	5694	1207	4982	1041	4271	874	3559	708	2847	570	2135	433	1622	334	1622	334
23	7039	1648	6335	1398	5632	1229	4928	1059	4224	890	3520	720	2816	580	2112	440	1604	339	1604	339
24	6961	1676	6265	1422	5569	1250	4873	1078	4177	905	3481	733	2784	590	2088	448	1586	345	1586	345
25	6883	1705	6195	1446	5506	1271	4818	1096	4130	921	3441	745	2753	600	2065	456	1568	351	1568	351
26	6805	1733	6124	1471	5444	1292	4763	1114	4083	936	3402	758	2722	611	2041	463	1551	357	1551	357
27	6726	1762	6054	1495	5381	1314	4708	1133	4036	951	3363	770	2691	621	2018	471	1533	363	1533	363
28	6648	1790	5983	1519	5318	1335	4654	1151	3989	967	3324	783	2659	631	1994	479	1515	369	1515	369
29	6570	1819	5913	1543	5256	1356	4599	1169	3942	982	3285	795	2628	641	1971	486	1497	375	1497	375
30	6491	1847	5842	1568	5193	1378	4544	1188	3895	998	3246	808	2597	651	1947	494	1479	381	1479	381
31	6413	1876	5772	1592	5131	1399	4489	1206	3848	1013	3207	820	2565	661	1924	501	1461	386	1461	386
32	6335	1904	5701	1616	5068	1420	4434	1224	3801	1028	3167	833	2534	671	1900	509	1444	392	1444	392
33	6257	1933	5631	1640	5005	1441	4380	1243	3754	1044	3128	845	2503	681	1877	517	1426	398	1426	398
34	6178	1961	5560	1664	4943	1463	4325	1261	3707	1059	3089	858	2471	691	1853	524	1408	404	1408	404
35	6100	1990	5490	1689	4880	1484	4270	1279	3660	1075	3050	870	2440	701	1830	532	1390	410	1390	410
36	6022	2019	5420	1713	4817	1505	4215	1298	3613	1090	3011	882	2409	711	1807	540	1372	416	1372	416
37	5943	2047	5349	1737	4755	1526	4160	1316	3566	1105	2972	895	2377	721	1783	547	1354	422	1354	422
38	5865	2076	5279	1761	4692	1548	4106	1334	3519	1121	2933	907	2346	731	1760	555	1336	428	1336	428
39	5787	2104	5208	1785	4629	1569	4051	1353	3472	1136	2893	920	2315	741	1736	562	1319	434	1319	434
40	4211	1573	3790	1335	3369	1173	2948	1011	2527	850	2106	688	1684	554	1263	421	960	324	960	324
41	4099	1573	3689	1335	3279	1173	2869	1011	2459	850	2049	688	1639	554	1230	421	934	324	934	324
42	3989	1573	3590	1335	3191	1173	2792	1011	2393	850	1994	688	1596	554	1197	421	909	324	909	324
43	3882	1573	3494	1335	3106	1173	2717	1011	2329	850	1941	688	1553	554	1165	421	885	324	885	324
44	3778	1573	3400	1335	3022	1173	2645	1011	2267	850	1889	688	1511	554	1133	421	861	324	861	324
45	3421	1464	3079	1242	2737	1092	2395	941	2053	791	1711	640	1368	516	1026	391	780	302	780	302
46	3329	1464	2996	1242	2663	1092	2330	941	1997	791	1665	640	1332	516	999	391	759	302	759	302

Heating

Outdoor Temperature DB (°C)	Parts Load (%)																			
	100		90		80		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
-15	3006	1304	2705	1007	2405	876	2104	745	1804	614	1503	483	1202	401	902	319	601	238	494	209
-14	3119	1323	2807	1021	2495	888	2183	755	1871	622	1559	489	1247	407	936	324	624	241	512	212
-13	3231	1341	2908	1036	2585	901	2262	766	1939	631	1616	496	1293	412	969	329	646	245	531	215
-12	3344	1360	3010	1050	2675	913	2341	777	2006	640	1672	503	1338	418	1003	333	669	248	549	218
-11	3457	1379	3111	1064	2765	926	2420	787	2074	649	1728	510	1383	424	1037	338	691	251	568	221
-10	3570	1397	3213	1079	2856	938	2499	798	2142	657	1785	517	1428	430	1071	342	714	255	586	224
-9	3695	1428	3325	1103	2956	959	2586	816	2217	672	1847	528	1478	439	1108	350	739	260	607	229
-8	3820	1459	3438	1127	3056	980	2674	833	2292	687	1910	540	1528	449	1146	357	764	266	628	234
-7	3945	1490	3551	1151	3156	1001	2762	851	2367	701	1973	551	1578	458	1184	365	789	272	648	238
-6	4070	1522	3663	1175	3256	1022	2849	869	2442	716	2035	563	1628	468	1221	373	814	277	669	243
-5	4196	1553	3776	1199	3357	1043	2937	887	2517	730	2098	574	1678	477	1259	380	839	283	689	248
-4	4321	1584	3889	1223	3457	1063	3025	904	2593	745	2160	586	1728	487	1296	388	864	289	710	253
-3	4446	1615	4002	1247	3557	1084	3112	922	2668	760	2223	597	1778	496	1334	395	889	294	730	258
-2	4571	1646	4114	1271	3657	1105	3200	940	2743	774	2286	609	1829	506	1371	403	914	300	751	263
-1	4697	1677	4227	1295	3757	1126	3288	957	2818	789	2348	620	1879	516	1409	411	939	306	772	268
0	4822	1708	4340	1319	3858	1147	3375	975	2893	804	2411	632	1929	525	1447	418	964	311	792	273
1	4947	1739	4452	1342	3958	1168	3463	993	2968	818	2474	643	1979	535	1484	426	989	317	813	278
2	5072	1770	4565	1366	4058	1189	3551	1011	3043	833	2536	655	2029	544	1522	433	1014	323	833	283
3	5156	1794	4640	1385	4124	1205	3609	1024	3093	844	2578	664	2062	551	1547	439	1031	327	847	287
4	5239	1818	4715	1403	4191	1221	3667	1038	3143	855	2619	672	2095	559	1572	445	1048	331	861	291
5	5322	1841	4790	1422	4257	1237	3725	1051	3193	866	2661	681	2129	566	1597	451	1064	336	874	295
6	5399	1869	4873	1441	4323	1253	3774	1064	3243	877	2703	690	2162	573	1621	457	1080	341	887	299
7	7000	2000	6300	1544	5600	1343	4900	1142	4200	941	3500	740	2800	615	2100	490	1400	365	1150	320
8	7181	2031	6463	1568	5745	1364	5026	1160	4308	956	3590	751	2872	624	2154	497	1436	370	1180	325
9	7361	2062	6625	1592	5889	1385	5153	1177	4417	970	3681	763	2945	634	2208	505	1472	376	1209	330
10	7542	2093	6788	1616	6034	1405	5279	1195	4525	985	3771	774	3017	643	2263	513	1508	382	1239	335
11	7723	2124	6950	1640	6178	1426	5406	1213	4634	999	3861	786	3089	653	2317	520	1545	387	1269	340
12	7903	2155	7113	1664	6323	1447	5532	1230	4742	1014	3952	797	3161	662	2371	528	1581	393	1298	345
13	8084	2186	7275	1688	6467	1468	5659	1248	4850	1028	4042	809	3234	672	2425	535	1617	399	1328	350
14	8265	2217	7438	1711	6612	1489	5785	1266	4959	1043	4132	820	3306	682	2479	543	1653	404	1358	355
15	8415	2240	7573	1729	6732	1504	5890	1279	5049	1054	4207	829	3366	689	2524	548	1683	408	1382	358
16	8478	2240	7630	1729	6782	1504	5934	1279	5087	1054	4239	829	3391	689	2543	548	1696	408	1393	358
17	6248	1639	5623	1265	4999	1100	4374	936	3749	771	3124	606	2499	504	1874	401	1250	299	1027	262
18	6292	1639	5663	1265	5034	1100	4404	936	3775	771	3146	606	2517	504	1888	401	1258	299	1034	262
19	6335	1639	5701	1265	5068	1100	4434	936	3801	771	3167	606	2534	504	1900	401	1267	299	1041	262
20	6376	1639	5739	1265	5101	1100	4463	936	3826	771	3188	606	2551	504	1913	401	1275	299	1048	262
21	6417	1639	5775	1265	5133	1100	4492	936	3850	771	3208	606	2567	504	1925	401	1283	299	1054	262
22	6456	1639	5811	1265	5165	1100	4519	936	3874	771	3228	606	2583	504	1937	401	1291	299	1061	262
23	6495	1639	5845	1265	5196	1100	4546	936	3897	771	3247	606	2598	504	1948	401	1299	299	1067	262
24	6532	1639	5879	1265	5226	1100	4573	936	3919	771	3266	606	2613	504	1960	401	1306	299	1073	262

Indoor: RAS-B24P2KVSG(B)-E/TR
Outdoor: RAS-24P2AVSG-E/TR

Operation range	Cooling		Heating	
	Q	P	Q	P
MINIMUM	W 1700	420	1700	330
RATING	W 7000	2350	8000	2350
MAXIMUM	W 7700	2550	8800	2600

Cooling		Parts Load (%)																			
		100		90		80		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		8348	1845	7513	1405	6678	1205	5843	1005	5009	805	4174	604	3339	498	2504	391	2027	330	2027	330
21		8258	1878	7432	1431	6606	1227	5780	1023	4955	819	4129	615	3303	507	2477	398	2005	336	2005	336
22		8168	1912	7351	1456	6534	1249	5717	1041	4901	834	4084	627	3267	516	2450	405	1984	342	1984	342
23		8078	1946	7270	1482	6462	1271	5655	1060	4847	849	4039	638	3231	525	2423	412	1962	348	1962	348
24		7988	1979	7189	1507	6391	1293	5592	1078	4793	863	3994	649	3195	534	2396	419	1940	354	1940	354
25		7898	2013	7109	1533	6319	1315	5529	1096	4739	878	3949	660	3159	543	2370	426	1918	360	1918	360
26		7809	2047	7028	1559	6247	1337	5466	1115	4685	893	3904	671	3123	552	2343	434	1896	366	1896	366
27		7719	2081	6947	1584	6175	1359	5403	1133	4631	907	3859	682	3087	561	2316	441	1875	372	1875	372
28		7629	2114	6866	1610	6103	1381	5340	1151	4577	922	3814	693	3052	570	2289	448	1853	378	1853	378
29		7539	2148	6785	1636	6031	1403	5277	1170	4523	937	3770	704	3016	579	2262	455	1831	384	1831	384
30		7449	2182	6704	1661	5959	1425	5214	1188	4470	951	3725	715	2980	588	2235	462	1809	390	1809	390
31		7359	2215	6623	1687	5887	1447	5152	1206	4416	966	3680	726	2944	598	2208	469	1787	396	1787	396
32		7270	2249	6543	1713	5816	1469	5089	1225	4362	981	3635	737	2908	607	2181	476	1765	402	1765	402
33		7180	2283	6462	1738	5744	1491	5026	1243	4308	996	3590	748	2872	616	2154	484	1744	408	1744	408
34		7090	2316	6381	1764	5672	1513	4963	1261	4254	1010	3545	759	2836	625	2127	491	1722	414	1722	414
35		7000	2350	6300	1790	5600	1535	4900	1280	4200	1025	3500	770	2800	634	2100	498	1700	420	1700	420
36		6910	2384	6219	1815	5528	1557	4837	1298	4146	1040	3455	781	2764	643	2073	505	1678	426	1678	426
37		6820	2417	6138	1841	5456	1579	4774	1316	4092	1054	3410	792	2728	652	2046	512	1656	432	1656	432
38		6731	2451	6057	1867	5384	1601	4711	1335	4038	1069	3365	803	2692	661	2019	519	1635	438	1635	438
39		6641	2485	5977	1892	5313	1623	4648	1353	3984	1084	3320	814	2656	670	1992	526	1613	444	1613	444
40		4308	1656	3877	1261	3446	1081	3015	902	2585	722	2154	543	1723	447	1292	351	1046	296	1046	296
41		4192	1656	3773	1261	3354	1081	2935	902	2515	722	2096	543	1677	447	1258	351	1018	296	1018	296
42		4080	1656	3672	1261	3264	1081	2856	902	2448	722	2040	543	1632	447	1224	351	991	296	991	296
43		3971	1656	3574	1261	3177	1081	2780	902	2383	722	1985	543	1588	447	1191	351	964	296	964	296
44		3865	1656	3478	1261	3092	1081	2705	902	2319	722	1932	543	1546	447	1159	351	939	296	939	296
45		3766	1764	3389	1344	3013	1152	2636	961	2260	769	1883	578	1506	476	1130	374	915	315	915	315
46		3665	1764	3298	1344	2932	1152	2565	961	2199	769	1832	578	1466	476	1099	374	890	315	890	315

Heating		Parts Load (%)																			
Outdoor Temperature DB (°C)		100		90		80		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
-15		3865	1838	3478	1436	3092	1235	2705	1035	2319	834	1932	633	1546	503	1159	372	821	258	821	258
-14		3994	1877	3594	1466	3195	1261	2795	1056	2396	852	1997	647	1597	513	1198	380	849	264	849	264
-13		4122	1915	3710	1496	3298	1287	2886	1078	2473	869	2061	660	1649	524	1237	388	876	269	876	269
-12		4251	1954	3826	1527	3401	1313	2976	1100	2551	887	2126	673	1700	535	1275	396	903	274	903	274
-11		4380	1993	3942	1557	3504	1339	3066	1122	2628	904	2190	687	1752	545	1314	404	931	280	931	280
-10		4509	2031	4058	1587	3607	1365	3156	1144	2705	922	2254	700	1804	556	1353	412	958	285	958	285
-9		4616	2035	4155	1590	3693	1368	3231	1146	2770	924	2308	702	1846	557	1385	412	981	286	981	286
-8		4724	2039	4251	1593	3779	1371	3306	1148	2834	926	2362	703	1889	558	1417	413	1004	286	1004	286
-7		4831	2043	4348	1596	3865	1373	3382	1150	2899	927	2415	704	1932	559	1449	414	1027	287	1027	287
-6		4938	2047	4444	1600	3951	1376	3457	1153	2963	929	2469	706	1975	560	1481	415	1049	288	1049	288
-5		5046	2051	4541	1603	4037	1379	3532	1155	3027	931	2523	707	2018	561	1514	416	1072	288	1072	288
-4		5153	2055	4638	1606	4122	1382	3607	1157	3092	933	2576	708	2061	562	1546	416	1095	289	1095	289
-3		5260	2059	4734	1609	4208	1384	3682	1159	3156	935	2630	710	2104	564	1578	417	1118	289	1118	289
-2		5368	2064	4831	1612	4294	1387	3757	1162	3221	936	2684	711	2147	565	1610	418	1141	290	1141	290
-1		5475	2068	4928	1615	4380	1390	3833	1164	3285	938	2738	713	2190	566	1643	419	1163	290	1163	290
0		5582	2072	5024	1619	4466	1392	3908	1166	3349	940	2791	714	2233	567	1675	420	1186	291	1186	291
1		5690	2076	5121	1622	4552	1395	3983	1169	3414	942	2845	715	2276	568	1707	420	1209	291	1209	291
2		5797	2080	5217	1625	4638	1398	4058	1171	3478	944	2899	717	2319	569	1739	421	1232	292	1232	292
3		5892	2108	5303	1647	4714	1417	4124	1187	3535	957	2946	726	2357	577	1768	427	1252	296	1252	296
4		5987	2136	5388	1669	4790	1435	4191	1202	3592	969	2994	736	2395	584	1796	433	1272	300	1272	300
5		6082	2164	5474	1690	4866	1454	4257	1218	3649	982	3041	746	2433	592	1825	438	1292	304	1292	304
6		7794	2314	7014	1808	6235	1555	5455	1303	4676	1050	3897	797	3117	633	2338	469	1656	325	1656	325
7		8000	2350	7200	1836	6400	1580	5600	1323	4800	1067	4000	810	3200	643	2400	476	1700	330	1700	330
8		8206	2386	7386	1864	6565	1604	5745	1344	4924	1083	4103	823	3283	653	2462	483	1744	335	1744	335
9		8413	2423	7572	1893	6730	1628	5889	1364	5048	1100	4206	835	3365	663	2524	491	1788	340	1788	340
10		8619	2459	7757	1921	6895	1653	6034	1384	5172	1116	4310	848	3448	673	2586	498	1832	345	1832	345
11		8826	2496	7943	1950	7061	1677	6178	1405	5295	1133	4413	860	3530	683	2648	506	1875	350	1875	350
12		7989	2240	7191	1750	6392	1505	5593	1261	4794	1016	3995	772	3196	613	2397	454	1698	315	1698	315
13		8056	2240	7251	1750	6445	1505	5639	1261	4834	1016	4028	772	3223	613	2417	454	1712	315	1712	315
14		8121	2240	7309	1750	6497	1505	5685	1261	4873	1016	4061	772	3249	613	2436	454	1726	315	1726	315
15		8184	2240	7366	1750	6548	1505	5729	1261	4911	1016	4092	772	3274	613	2455	454	1739	315	1739	315
16		8246	2240	7421	1750	6597	1505	5772	1261	4948	1016	4123	772	3298	613	2474	454	1752	315	1752	315
17		6077	1639	5470	1280	4862	1101	4254	923	3646	744	3039	565	2431	448	1823	332	1291	230	1291	230
18		6120	1639	5508	1280	4896	1101	4284	923	3672	744	3060	565	2448	448	1836	332	1300	230	1300	230
19		6161	1639	5545	1280	4929	1101	4313	923	3697	744	3081	565	2465	448	1848	332	1309	230	1309	230
20		6202	1639	5582	1280	4962	1101	4341	923	3721	744	3101	565	2481	448	1861	332	1318	230	1318	230
21		6241	1639	5617	1280	4993	1101	4369	923	3745	744	3121	565	2497	448	1872	332	1326	230	1326	230
22		6280	1639	5652	1280	5024	1101	4396	923	3768	744	3140	565	2512	448	1884	332	1334	230	1334	230
23		6317	1639	5685	1280	5054	1101	4422	923	3790	744	3159	565	2527	448	1895	332	1342	230	1342	230
24		6354	1639	5718	1280	5083	1101	4448	923	3812	744	3177	565	2541	448	1906	332	1350	230	1350	230

10. Performance Characteristics

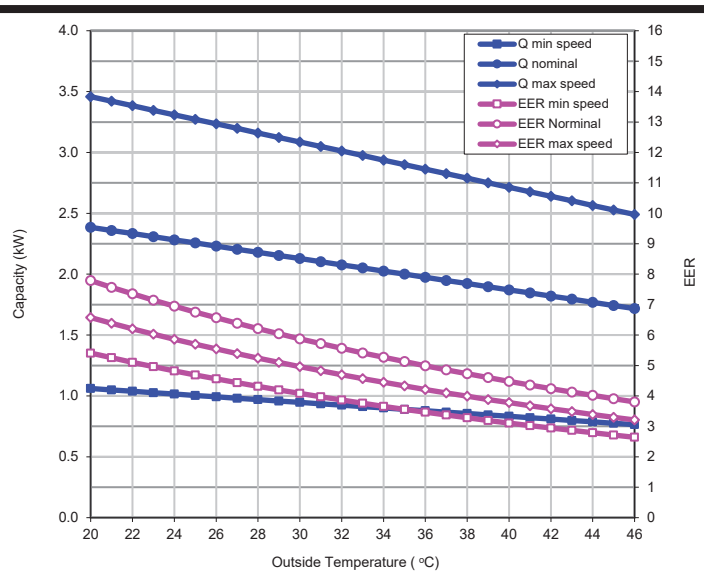
Model : RAS-B07P2KVSG(B)-E ; RAS-07P2AVSG-E

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	0.89	0.25	3.56
	Rated	2.00	0.39	5.13
	Max	2.90	0.67	4.33
Heating JIS In: 20°C DB/15°C WB Out: 7°C DB/6°C WB	Min	0.90	0.21	4.29
	Rated	2.50	0.50	5.00
	Max	3.60	0.80	4.50
Heating Low Temp. In: 20°C DB/15°C WB Out: 2°C DB/1°C WB	Max	2.50	0.75	3.33
	Max	2.00	0.700	2.86
	Max	1.70	0.650	2.62

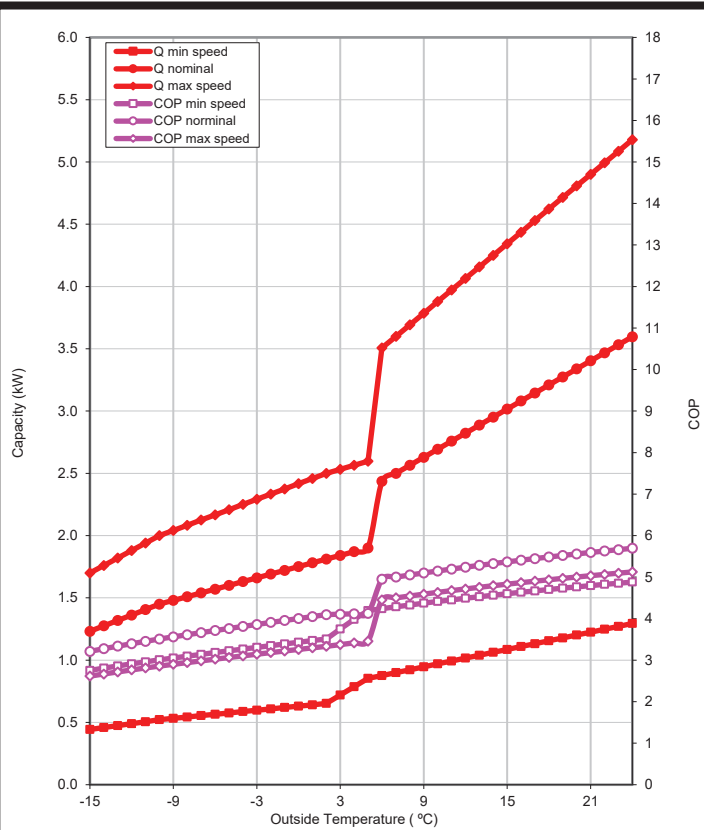
Cooling performance characteristic :

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	1.06	0.20	5.41	2.39	0.31	7.79	3.46	0.53	6.58
21	1.05	0.20	5.25	2.36	0.31	7.57	3.42	0.54	6.39
22	1.04	0.20	5.11	2.33	0.32	7.35	3.38	0.55	6.21
23	1.03	0.21	4.96	2.31	0.32	7.15	3.35	0.55	6.03
24	1.02	0.21	4.82	2.28	0.33	6.95	3.31	0.56	5.86
25	1.00	0.21	4.69	2.26	0.33	6.75	3.27	0.57	5.70
26	0.99	0.22	4.56	2.23	0.34	6.57	3.23	0.58	5.54
27	0.98	0.22	4.43	2.21	0.35	6.39	3.20	0.59	5.39
28	0.97	0.22	4.31	2.18	0.35	6.21	3.16	0.60	5.24
29	0.96	0.23	4.19	2.15	0.36	6.04	3.12	0.61	5.10
30	0.95	0.23	4.08	2.13	0.36	5.88	3.09	0.62	4.96
31	0.94	0.24	3.97	2.10	0.37	5.72	3.05	0.63	4.83
32	0.92	0.24	3.86	2.08	0.37	5.56	3.01	0.64	4.70
33	0.91	0.24	3.76	2.05	0.38	5.42	2.97	0.65	4.57
34	0.90	0.25	3.66	2.03	0.38	5.27	2.94	0.66	4.45
35	0.89	0.25	3.56	2.00	0.39	5.13	2.90	0.67	4.33
36	0.88	0.25	3.46	1.97	0.40	4.99	2.86	0.68	4.21
37	0.87	0.26	3.37	1.95	0.40	4.86	2.83	0.69	4.10
38	0.86	0.26	3.28	1.92	0.41	4.73	2.79	0.70	3.99
39	0.84	0.26	3.19	1.90	0.41	4.60	2.75	0.71	3.88
40	0.83	0.27	3.11	1.87	0.42	4.48	2.71	0.72	3.78
41	0.82	0.27	3.03	1.85	0.42	4.36	2.68	0.73	3.68
42	0.81	0.28	2.94	1.82	0.43	4.24	2.64	0.74	3.58
43	0.80	0.28	2.87	1.79	0.43	4.13	2.60	0.75	3.48
44	0.79	0.28	2.79	1.77	0.44	4.02	2.57	0.76	3.39
45	0.78	0.29	2.71	1.74	0.45	3.91	2.53	0.77	3.30
46	0.76	0.29	2.64	1.72	0.45	3.80	2.49	0.78	3.21



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 (-)
-15	0.44	0.16	2.75	1.23	0.38	3.21	1.70	0.65	2.62
-14	0.46	0.16	2.81	1.28	0.39	3.28	1.76	0.66	2.67
-13	0.47	0.17	2.86	1.32	0.40	3.34	1.82	0.67	2.72
-12	0.49	0.17	2.91	1.36	0.40	3.40	1.88	0.68	2.76
-11	0.51	0.17	2.96	1.41	0.41	3.45	1.94	0.69	2.81
-10	0.52	0.17	3.01	1.45	0.41	3.51	2.00	0.70	2.86
-9	0.53	0.17	3.05	1.48	0.42	3.56	2.04	0.70	2.90
-8	0.54	0.18	3.10	1.51	0.42	3.61	2.08	0.71	2.94
-7	0.55	0.18	3.14	1.54	0.42	3.66	2.13	0.71	2.98
-6	0.57	0.18	3.18	1.57	0.42	3.71	2.17	0.72	3.02
-5	0.58	0.18	3.23	1.60	0.43	3.76	2.21	0.72	3.06
-4	0.59	0.18	3.27	1.63	0.43	3.81	2.25	0.73	3.10
-3	0.60	0.18	3.31	1.66	0.43	3.86	2.29	0.73	3.14
-2	0.61	0.18	3.35	1.69	0.43	3.91	2.33	0.73	3.18
-1	0.62	0.18	3.39	1.72	0.44	3.96	2.38	0.74	3.22
0	0.63	0.18	3.43	1.75	0.44	4.00	2.42	0.74	3.26
1	0.64	0.18	3.47	1.78	0.44	4.05	2.46	0.75	3.30
2	0.65	0.19	3.51	1.81	0.44	4.09	2.50	0.75	3.33
3	0.72	0.19	3.75	1.84	0.45	4.11	2.53	0.75	3.37
4	0.79	0.20	3.98	1.87	0.45	4.12	2.56	0.75	3.42
5	0.85	0.20	4.19	1.90	0.46	4.13	2.60	0.75	3.46
6	0.88	0.21	4.24	2.44	0.49	4.95	3.51	0.79	4.45
7	0.90	0.21	4.29	2.50	0.50	5.00	3.60	0.80	4.50
8	0.92	0.21	4.33	2.56	0.51	5.05	3.69	0.81	4.55
9	0.95	0.22	4.37	2.63	0.52	5.10	3.79	0.82	4.59
10	0.97	0.22	4.41	2.69	0.52	5.15	3.88	0.84	4.63
11	0.99	0.22	4.45	2.76	0.53	5.19	3.97	0.85	4.67
12	1.02	0.23	4.49	2.82	0.54	5.24	4.06	0.86	4.72
13	1.04	0.23	4.53	2.89	0.55	5.28	4.16	0.87	4.76
14	1.06	0.23	4.57	2.95	0.55	5.33	4.25	0.89	4.79
15	1.09	0.24	4.60	3.02	0.56	5.37	4.34	0.90	4.83
16	1.11	0.24	4.64	3.08	0.57	5.41	4.44	0.91	4.87
17	1.13	0.24	4.67	3.15	0.58	5.45	4.53	0.92	4.90
18	1.16	0.25	4.70	3.21	0.59	5.49	4.62	0.94	4.94
19	1.18	0.25	4.73	3.27	0.59	5.52	4.71	0.95	4.97
20	1.20	0.25	4.76	3.34	0.60	5.56	4.81	0.96	5.00
21	1.23	0.26	4.79	3.40	0.61	5.59	4.90	0.97	5.03
22	1.25	0.26	4.82	3.47	0.62	5.63	4.99	0.99	5.07
23	1.27	0.26	4.85	3.53	0.62	5.66	5.09	1.00	5.10
24	1.29	0.27	4.88	3.60	0.63	5.69	5.18	1.01	5.13

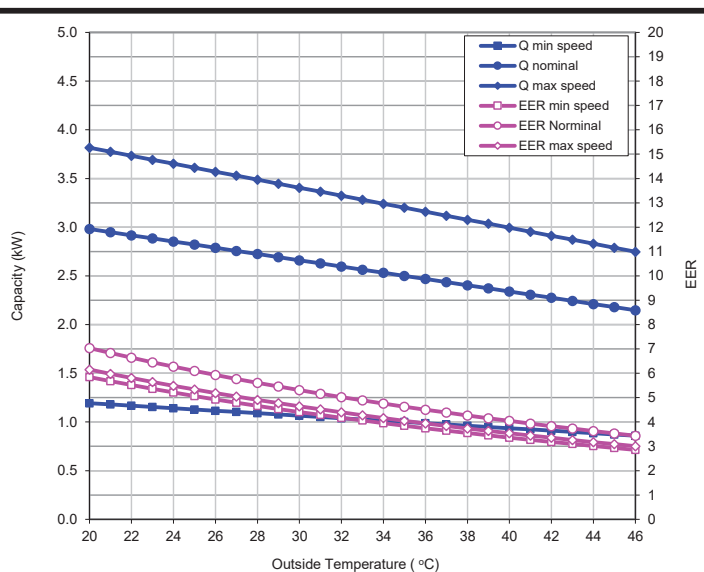


Model : RAS-B10P2KVSG(B)-E/TR ; RAS-10P2AVSG-E/TR**Product specification :**

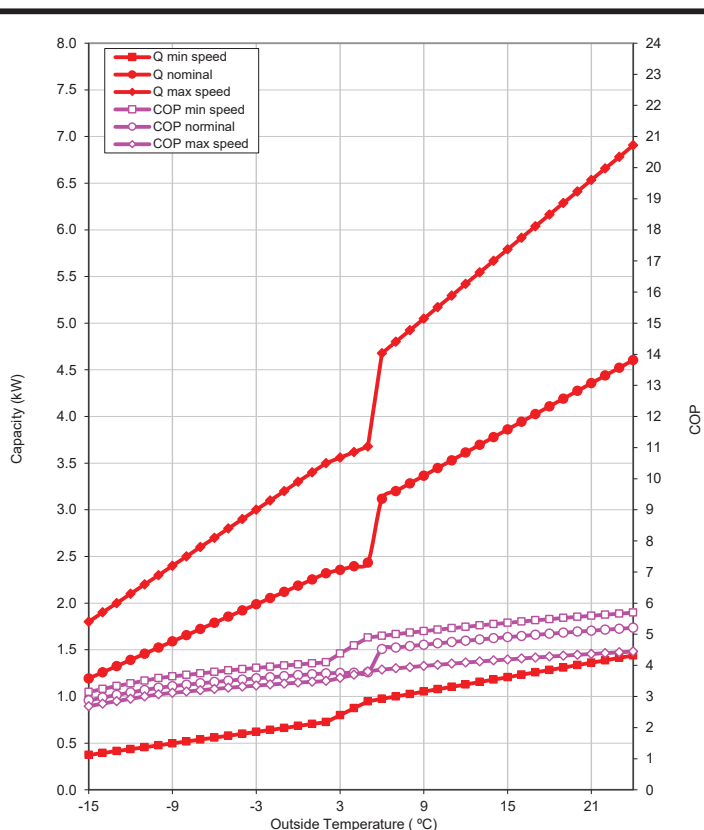
Condition		Capacity (kW)	Power (kW)	EER/COP
Cooling JIS In: 27°C DB/19°C WB Out: 35°C DB/24°C WB	Min	1.00	0.26	3.85
	Rated	2.50	0.54	4.63
	Max	3.20	0.79	4.05
Heating JIS In: 20°C DB/15°C WB Out: 7°C DB/6°C WB	Min	1.00	0.20	5.00
	Rated	3.20	0.70	4.57
	Max	4.80	1.23	3.90
Heating Low Temp. In: 20°C DB/15°C WB Out: 2°C DB/1°C WB	Min	1.00	0.20	5.00
	Rated	3.20	0.70	4.57
	Max	4.80	1.23	3.90
Heating Low Temp. In: 20°C DB/15°C WB Out: -10°C DB	Min	1.00	0.20	5.00
	Rated	3.20	0.70	4.57
	Max	4.80	1.23	3.90
Heating Low Temp. In: 20°C DB/15°C WB Out: -15°C DB	Min	1.00	0.20	5.00
	Rated	3.20	0.70	4.57
	Max	4.80	1.23	3.90

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	0.20	5.84	2.98	0.42	7.03	3.82	0.62	6.15
21	1.18	0.21	5.68	2.95	0.43	6.83	3.77	0.63	5.98
22	1.17	0.21	5.52	2.92	0.44	6.64	3.73	0.64	5.81
23	1.15	0.22	5.36	2.89	0.45	6.45	3.69	0.65	5.65
24	1.14	0.22	5.21	2.85	0.45	6.27	3.65	0.67	5.49
25	1.13	0.22	5.07	2.82	0.46	6.10	3.61	0.68	5.34
26	1.12	0.23	4.93	2.79	0.47	5.93	3.57	0.69	5.19
27	1.10	0.23	4.79	2.76	0.48	5.77	3.53	0.70	5.04
28	1.09	0.23	4.66	2.72	0.49	5.61	3.49	0.71	4.91
29	1.08	0.24	4.53	2.69	0.49	5.46	3.45	0.72	4.77
30	1.06	0.24	4.41	2.66	0.50	5.31	3.41	0.73	4.64
31	1.05	0.25	4.29	2.63	0.51	5.16	3.36	0.74	4.52
32	1.04	0.25	4.17	2.60	0.52	5.02	3.32	0.76	4.40
33	1.03	0.25	4.06	2.56	0.52	4.89	3.28	0.77	4.28
34	1.01	0.26	3.95	2.53	0.53	4.76	3.24	0.78	4.16
35	1.00	0.26	3.85	2.50	0.54	4.63	3.20	0.79	4.05
36	0.99	0.26	3.74	2.47	0.55	4.51	3.16	0.80	3.94
37	0.97	0.27	3.64	2.44	0.56	4.39	3.12	0.81	3.84
38	0.96	0.27	3.55	2.40	0.56	4.27	3.08	0.82	3.73
39	0.95	0.27	3.45	2.37	0.57	4.15	3.04	0.84	3.63
40	0.94	0.28	3.36	2.34	0.58	4.04	2.99	0.85	3.54
41	0.92	0.28	3.27	2.31	0.59	3.93	2.95	0.86	3.44
42	0.91	0.29	3.18	2.28	0.59	3.83	2.91	0.87	3.35
43	0.90	0.29	3.10	2.24	0.60	3.73	2.87	0.88	3.26
44	0.88	0.29	3.01	2.21	0.61	3.63	2.83	0.89	3.17
45	0.87	0.30	2.93	2.18	0.62	3.53	2.79	0.90	3.09
46	0.86	0.30	2.85	2.15	0.63	3.43	2.75	0.91	3.01

**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 (-)
-15	0.37	0.12	3.14	1.19	0.42	2.87	1.80	0.67	2.69
-14	0.39	0.12	3.24	1.26	0.42	2.96	1.90	0.69	2.77
-13	0.41	0.12	3.33	1.33	0.43	3.05	2.00	0.70	2.85
-12	0.43	0.13	3.42	1.39	0.44	3.13	2.10	0.72	2.92
-11	0.46	0.13	3.51	1.46	0.45	3.21	2.20	0.73	3.00
-10	0.48	0.13	3.59	1.52	0.46	3.28	2.30	0.75	3.07
-9	0.50	0.14	3.64	1.59	0.48	3.33	2.40	0.77	3.11
-8	0.52	0.14	3.69	1.66	0.49	3.38	2.50	0.79	3.16
-7	0.54	0.14	3.74	1.72	0.50	3.42	2.60	0.81	3.20
-6	0.56	0.15	3.79	1.79	0.52	3.47	2.70	0.83	3.24
-5	0.58	0.15	3.83	1.86	0.53	3.51	2.80	0.85	3.28
-4	0.60	0.15	3.88	1.92	0.54	3.54	2.90	0.88	3.31
-3	0.62	0.16	3.92	1.99	0.55	3.58	3.00	0.90	3.35
-2	0.64	0.16	3.96	2.05	0.57	3.62	3.10	0.92	3.38
-1	0.66	0.17	3.99	2.12	0.58	3.65	3.20	0.94	3.41
0	0.68	0.17	4.03	2.19	0.59	3.68	3.30	0.96	3.44
1	0.70	0.17	4.06	2.25	0.61	3.71	3.40	0.98	3.47
2	0.72	0.18	4.09	2.32	0.62	3.74	3.50	1.00	3.50
3	0.80	0.18	4.38	2.36	0.63	3.75	3.56	0.99	3.60
4	0.87	0.19	4.64	2.39	0.64	3.76	3.62	0.98	3.70
5	0.95	0.19	4.89	2.43	0.64	3.77	3.68	0.97	3.80
6	0.97	0.20	4.95	2.49	0.69	4.52	4.68	1.21	3.86
7	1.00	0.20	5.00	2.50	0.70	4.57	4.80	1.23	3.90
8	1.03	0.20	5.05	2.58	0.71	4.62	4.92	1.25	3.94
9	1.05	0.21	5.10	2.67	0.72	4.66	5.05	1.27	3.98
10	1.08	0.21	5.15	2.75	0.73	4.71	5.17	1.29	4.02
11	1.10	0.21	5.19	2.83	0.74	4.75	5.30	1.31	4.05
12	1.13	0.22	5.24	2.91	0.75	4.79	5.42	1.33	4.09
13	1.15	0.22	5.28	2.98	0.77	4.83	5.54	1.34	4.12
14	1.18	0.22	5.33	3.05	0.78	4.87	5.67	1.36	4.16
15	1.21	0.22	5.37	3.12	0.79	4.91	5.79	1.38	4.19
16	1.23	0.23	5.41	3.19	0.80	4.94	5.91	1.40	4.22
17	1.26	0.23	5.45	3.26	0.81	4.98	6.04	1.42	4.25
18	1.28	0.23	5.49	3.33	0.82	5.01	6.16	1.44	4.28
19	1.31	0.24	5.52	3.40	0.83	5.05	6.29	1.46	4.31
20	1.34	0.24	5.56	3.47	0.84	5.08	6.41	1.48	4.34
21	1.36	0.24	5.59	3.54	0.85	5.11	6.53	1.50	4.37
22	1.39	0.25	5.63	3.61	0.86	5.15	6.66	1.52	4.39
23	1.41	0.25	5.66	3.68	0.87	5.18	6.78	1.53	4.42
24	1.44	0.25	5.69	3.75	0.88	5.21	6.91	1.55	4.44

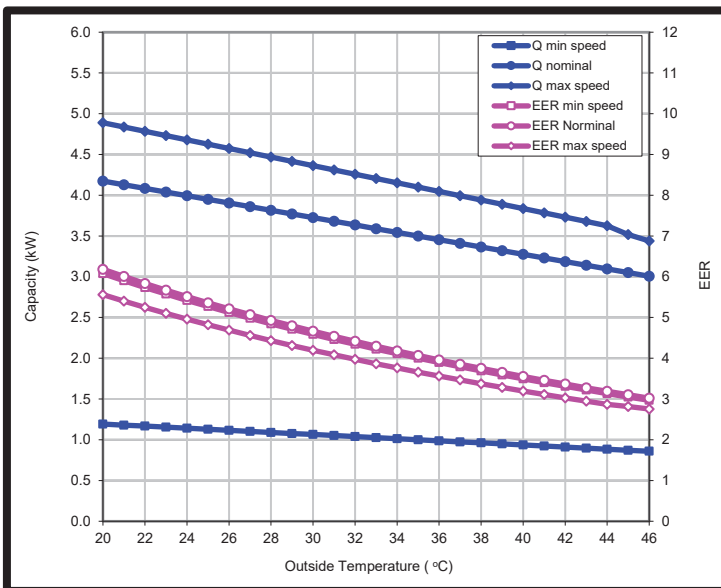


Model : RAS-B13P2KVSG(B)-E/TR / RAS-13P2AVSG-E/TR**Product specification :**

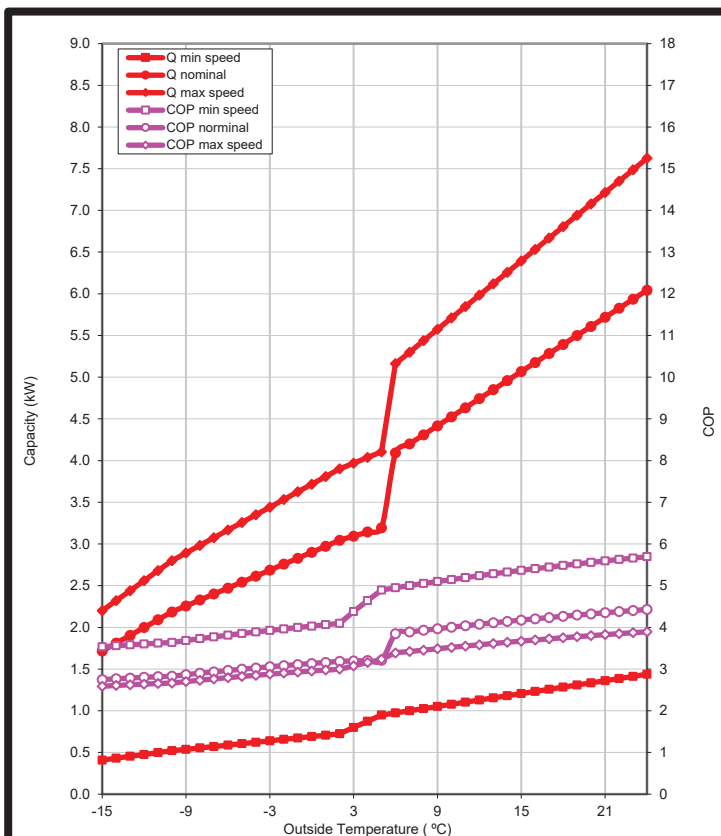
Condition	Capacity (kW)	Power (kW)	EER/COP
Cooling JIS	Min 1.00	0.25	4.00
In: 27°C DB/19°C WB	Rated 3.50	0.86	4.07
Out: 35°C DB/24°C WB	Max 4.10	1.12	3.66
Heating JIS	Min 1.00	0.20	5.00
In: 20°C DB/15°C WB	Rated 4.20	1.08	3.89
Out: 7°C DB/6°C WB	Max 5.30	1.55	3.42
Heating Low Temp.			
In: 20°C DB/15°C WB	Max 3.90	1.30	3.00
Out: 2°C DB/1°C WB			
Heating Low Temp.			
In: 20°C DB/15°C WB	Max 2.80	1.050	2.67
Out: -10°C DB			
Heating Low Temp.			
In: 20°C DB/15°C WB	Max 2.20	0.850	2.59
Out: -15°C DB			

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	0.20	6.08	4.17	0.68	6.18	4.89	0.88	5.56
21	1.18	0.20	5.90	4.13	0.69	6.01	4.84	0.90	5.40
22	1.17	0.20	5.74	4.08	0.70	5.84	4.78	0.91	5.25
23	1.15	0.21	5.57	4.04	0.71	5.67	4.73	0.93	5.10
24	1.14	0.21	5.42	3.99	0.72	5.51	4.68	0.94	4.96
25	1.13	0.21	5.27	3.95	0.74	5.36	4.63	0.96	4.82
26	1.12	0.22	5.12	3.90	0.75	5.21	4.57	0.98	4.69
27	1.10	0.22	4.98	3.86	0.76	5.07	4.52	0.99	4.56
28	1.09	0.22	4.85	3.81	0.77	4.93	4.47	1.01	4.43
29	1.08	0.23	4.71	3.77	0.79	4.80	4.42	1.02	4.31
30	1.06	0.23	4.59	3.72	0.80	4.67	4.36	1.04	4.20
31	1.05	0.24	4.46	3.68	0.81	4.54	4.31	1.06	4.08
32	1.04	0.24	4.34	3.63	0.82	4.42	4.26	1.07	3.97
33	1.03	0.24	4.22	3.59	0.84	4.30	4.21	1.09	3.87
34	1.01	0.25	4.11	3.54	0.85	4.18	4.15	1.10	3.76
35	1.00	0.25	4.00	3.50	0.86	4.07	4.10	1.12	3.66
36	0.99	0.25	3.89	3.46	0.87	3.96	4.05	1.14	3.56
37	0.97	0.26	3.79	3.41	0.88	3.85	3.99	1.15	3.47
38	0.96	0.26	3.69	3.37	0.90	3.75	3.94	1.17	3.37
39	0.95	0.26	3.59	3.32	0.91	3.65	3.89	1.18	3.28
40	0.94	0.27	3.49	3.28	0.92	3.55	3.84	1.20	3.20
41	0.92	0.27	3.40	3.23	0.93	3.46	3.78	1.22	3.11
42	0.91	0.28	3.31	3.19	0.95	3.37	3.73	1.23	3.03
43	0.90	0.28	3.22	3.14	0.96	3.28	3.68	1.25	2.95
44	0.88	0.28	3.13	3.10	0.97	3.19	3.63	1.26	2.87
45	0.87	0.29	3.05	3.05	0.98	3.10	3.52	1.25	2.82
46	0.86	0.29	2.97	3.01	1.00	3.02	3.44	1.25	2.75

**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 (-)
-15	0.41	0.12	3.53	1.72	0.62	2.75	2.20	0.85	2.59
-14	0.43	0.12	3.56	1.81	0.65	2.77	2.32	0.89	2.61
-13	0.45	0.13	3.58	1.90	0.68	2.78	2.44	0.93	2.62
-12	0.48	0.13	3.60	2.00	0.71	2.80	2.56	0.97	2.64
-11	0.50	0.14	3.62	2.09	0.74	2.82	2.68	1.01	2.65
-10	0.52	0.14	3.64	2.19	0.77	2.83	2.80	1.05	2.67
-9	0.54	0.15	3.69	2.26	0.79	2.87	2.89	1.07	2.70
-8	0.55	0.15	3.73	2.33	0.80	2.90	2.98	1.09	2.73
-7	0.57	0.15	3.77	2.40	0.82	2.93	3.08	1.11	2.76
-6	0.59	0.15	3.81	2.47	0.83	2.97	3.17	1.13	2.79
-5	0.61	0.16	3.85	2.54	0.85	3.00	3.26	1.15	2.82
-4	0.62	0.16	3.89	2.61	0.86	3.03	3.35	1.18	2.85
-3	0.64	0.16	3.93	2.69	0.88	3.05	3.44	1.20	2.88
-2	0.66	0.17	3.96	2.76	0.89	3.08	3.53	1.22	2.90
-1	0.67	0.17	4.00	2.83	0.91	3.11	3.63	1.24	2.93
0	0.69	0.17	4.03	2.90	0.93	3.14	3.72	1.26	2.95
1	0.71	0.17	4.06	2.97	0.94	3.16	3.81	1.28	2.98
2	0.72	0.18	4.09	3.04	0.96	3.18	3.90	1.30	3.00
3	0.80	0.18	4.38	3.09	0.97	3.19	3.97	1.29	3.08
4	0.87	0.19	4.64	3.14	0.98	3.20	4.04	1.28	3.16
5	0.95	0.19	4.89	3.19	0.99	3.21	4.11	1.27	3.24
6	0.97	0.20	4.95	4.09	1.06	3.85	5.16	1.53	3.38
7	1.00	0.20	5.00	4.20	1.08	3.89	5.30	1.55	3.42
8	1.03	0.20	5.05	4.31	1.10	3.93	5.44	1.57	3.45
9	1.05	0.21	5.10	4.42	1.11	3.97	5.57	1.60	3.49
10	1.08	0.21	5.15	4.53	1.13	4.00	5.71	1.62	3.52
11	1.10	0.21	5.19	4.63	1.15	4.04	5.85	1.65	3.55
12	1.13	0.22	5.24	4.74	1.16	4.08	5.98	1.67	3.58
13	1.15	0.22	5.28	4.85	1.18	4.11	6.12	1.69	3.61
14	1.18	0.22	5.33	4.96	1.20	4.14	6.26	1.72	3.64
15	1.21	0.22	5.37	5.07	1.21	4.17	6.39	1.74	3.67
16	1.23	0.23	5.41	5.18	1.23	4.21	6.53	1.77	3.70
17	1.26	0.23	5.45	5.28	1.25	4.24	6.67	1.79	3.72
18	1.28	0.23	5.49	5.39	1.26	4.27	6.80	1.81	3.75
19	1.31	0.24	5.52	5.50	1.28	4.30	6.94	1.84	3.78
20	1.34	0.24	5.56	5.61	1.30	4.32	7.08	1.86	3.80
21	1.36	0.24	5.59	5.72	1.31	4.35	7.21	1.89	3.83
22	1.39	0.25	5.63	5.83	1.33	4.38	7.35	1.91	3.85
23	1.41	0.25	5.66	5.93	1.35	4.40	7.49	1.93	3.87
24	1.44	0.25	5.69	6.04	1.36	4.43	7.63	1.96	3.89

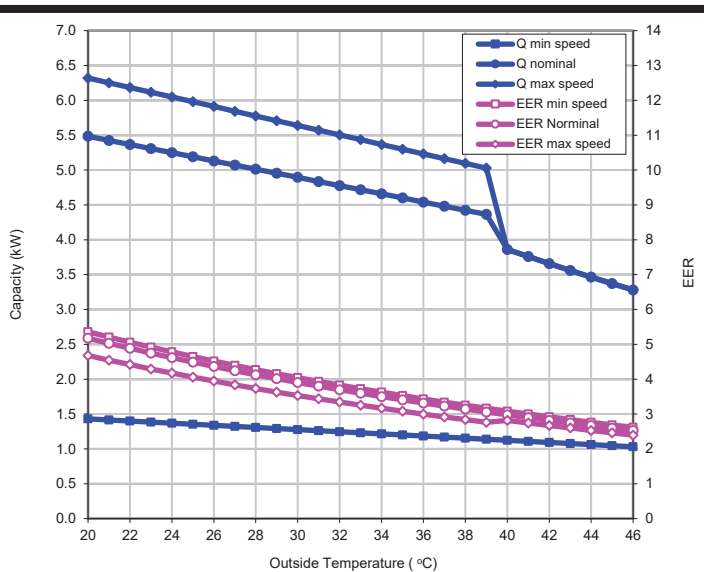


Model : RAS-B16P2KVSG(B)-E/TR ; RAS-16P2AVSG-E/TR**Product specification :**

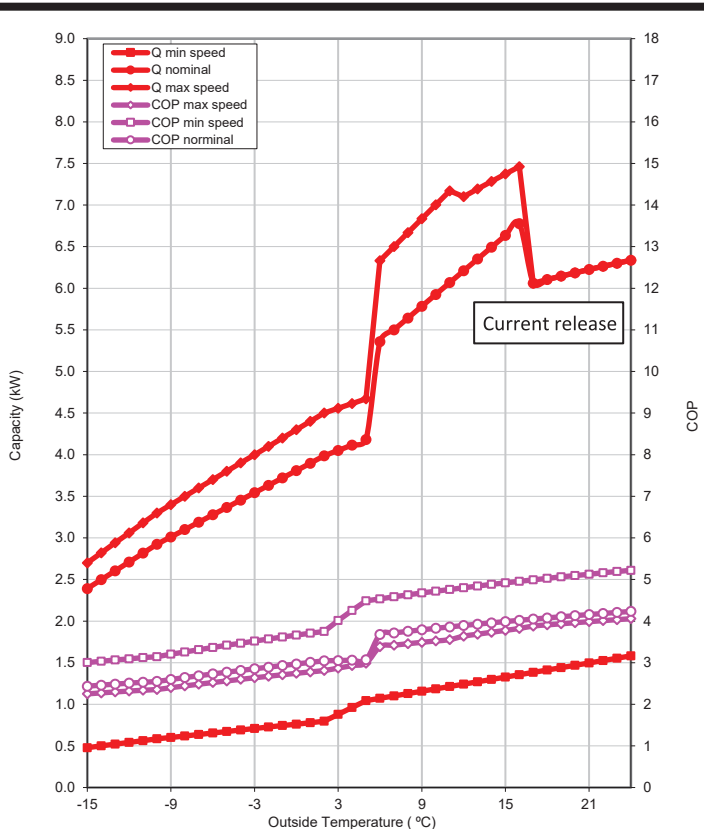
Condition	Capacity (kW)	Power (kW)	EER/COP
Cooling JIS	Min 1.20	0.34	3.53
In: 27°C DB/19°C WB	Rated 4.60	1.35	3.41
Out: 35°C DB/24°C WB	Max 5.30	1.72	3.08
Heating JIS	Min 1.10	0.24	4.58
In: 20°C DB/15°C WB	Rated 5.50	1.48	3.72
Out: 7°C DB/6°C WB	Max 6.50	1.90	3.42
Heating Low Temp.			
In: 20°C DB/15°C WB	Max 4.50	1.60	2.81
Out: 2°C DB/1°C WB			
Heating Low Temp.			
In: 20°C DB/15°C WB	Max 3.30	1.400	2.36
Out: -10°C DB			
Heating Low Temp.			
In: 20°C DB/15°C WB	Max 2.70	1.200	2.25
Out: -15°C DB			

Cooling performance characteristic :

Outside Temp (°C)	Min capacity Capacity (kW)	Power (kW)	EER (-)	Nominal capacity Capacity (kW)	Power (kW)	EER (-)	Max capacity Capacity (kW)	Power (kW)	EER (-)
20	1.43	0.27	5.36	5.49	1.06	5.18	6.32	1.35	4.68
21	1.42	0.27	5.21	5.43	1.08	5.03	6.25	1.37	4.55
22	1.40	0.28	5.06	5.37	1.10	4.89	6.18	1.40	4.42
23	1.38	0.28	4.92	5.31	1.12	4.75	6.12	1.42	4.29
24	1.37	0.29	4.78	5.25	1.14	4.62	6.05	1.45	4.17
25	1.35	0.29	4.65	5.19	1.16	4.49	5.98	1.47	4.06
26	1.34	0.30	4.52	5.13	1.18	4.36	5.91	1.50	3.95
27	1.32	0.30	4.40	5.07	1.20	4.24	5.84	1.52	3.84
28	1.31	0.31	4.28	5.01	1.21	4.13	5.78	1.55	3.73
29	1.29	0.31	4.16	4.95	1.23	4.02	5.71	1.57	3.63
30	1.28	0.32	4.05	4.90	1.25	3.91	5.64	1.60	3.53
31	1.26	0.32	3.94	4.84	1.27	3.80	5.57	1.62	3.44
32	1.25	0.33	3.83	4.78	1.29	3.70	5.50	1.65	3.34
33	1.23	0.33	3.73	4.72	1.31	3.60	5.44	1.67	3.25
34	1.22	0.34	3.63	4.66	1.33	3.50	5.37	1.70	3.17
35	1.20	0.34	3.53	4.60	1.35	3.41	5.30	1.72	3.08
36	1.18	0.34	3.43	4.54	1.37	3.32	5.23	1.74	3.00
37	1.17	0.35	3.34	4.48	1.39	3.23	5.16	1.77	2.92
38	1.15	0.35	3.25	4.42	1.41	3.14	5.10	1.79	2.84
39	1.14	0.36	3.17	4.36	1.43	3.06	5.03	1.82	2.76
40	1.12	0.36	3.08	4.30	1.45	2.98	4.96	1.85	2.68
41	1.11	0.37	3.00	4.24	1.47	2.90	4.89	1.88	2.60
42	1.09	0.37	2.92	4.18	1.49	2.82	4.82	1.91	2.52
43	1.08	0.38	2.84	4.12	1.51	2.74	4.75	1.94	2.44
44	1.06	0.38	2.77	4.06	1.53	2.67	4.68	1.97	2.36
45	1.05	0.39	2.69	4.00	1.55	2.60	4.61	2.00	2.28
46	1.03	0.39	2.62	3.94	1.57	2.53	4.54	2.03	2.20

**Heating performance characteristic :**

Outside Temp (°C)	Min capacity Capacity (kW)	Power (kW)	COP (-)	Nominal capacity Capacity (kW)	Power (kW)	COP (-)	Max capacity Capacity (kW)	Power (kW)	COP (-)
-15	0.48	0.16	3.00	2.39	0.98	2.43	2.70	1.20	2.25
-14	0.50	0.16	3.03	2.50	1.02	2.46	2.82	1.24	2.27
-13	0.52	0.17	3.06	2.60	1.05	2.49	2.94	1.28	2.30
-12	0.54	0.18	3.09	2.71	1.08	2.51	3.06	1.32	2.32
-11	0.56	0.18	3.12	2.82	1.11	2.53	3.18	1.36	2.34
-10	0.58	0.19	3.15	2.92	1.15	2.55	3.30	1.40	2.36
-9	0.60	0.19	3.20	3.01	1.16	2.60	3.40	1.42	2.40
-8	0.62	0.19	3.26	3.10	1.17	2.64	3.50	1.43	2.44
-7	0.64	0.19	3.31	3.19	1.19	2.69	3.60	1.45	2.48
-6	0.66	0.19	3.37	3.28	1.20	2.73	3.70	1.47	2.52
-5	0.67	0.20	3.42	3.37	1.21	2.77	3.80	1.48	2.56
-4	0.69	0.20	3.47	3.45	1.23	2.81	3.90	1.50	2.60
-3	0.71	0.20	3.52	3.54	1.24	2.85	4.00	1.52	2.64
-2	0.73	0.20	3.57	3.63	1.26	2.89	4.10	1.53	2.67
-1	0.74	0.21	3.62	3.72	1.27	2.93	4.20	1.55	2.71
0	0.76	0.21	3.66	3.81	1.28	2.97	4.30	1.57	2.74
1	0.78	0.21	3.71	3.90	1.30	3.01	4.40	1.58	2.78
2	0.80	0.21	3.75	3.99	1.31	3.04	4.50	1.60	2.81
3	0.88	0.22	4.01	4.05	1.33	3.05	4.56	1.59	2.87
4	0.96	0.23	4.26	4.12	1.34	3.06	4.61	1.57	2.93
5	1.04	0.23	4.49	4.18	1.36	3.07	4.67	1.56	2.99
6	1.07	0.24	4.54	4.26	1.37	3.08	4.73	1.55	3.05
7	1.10	0.24	4.58	4.34	1.38	3.09	4.79	1.54	3.11
8	1.13	0.24	4.63	4.41	1.39	3.10	4.84	1.53	3.17
9	1.16	0.25	4.68	4.48	1.40	3.11	4.89	1.52	3.23
10	1.19	0.25	4.72	4.55	1.41	3.12	4.94	1.51	3.29
11	1.21	0.25	4.76	4.62	1.42	3.13	4.99	1.50	3.35
12	1.24	0.26	4.80	4.69	1.43	3.14	5.04	1.49	3.41
13	1.27	0.26	4.84	4.76	1.44	3.15	5.09	1.48	3.47
14	1.30	0.27	4.88	4.83	1.45	3.16	5.14	1.47	3.53
15	1.33	0.27	4.92	4.90	1.46	3.17	5.19	1.46	3.59
16	1.36	0.27	4.96	4.97	1.47	3.18	5.24	1.45	3.65
17	1.38	0.28	4.99	5.04	1.48	3.19	5.29	1.44	3.71
18	1.41	0.28	5.03	5.11	1.49	3.20	5.34	1.43	3.77
19	1.44	0.28	5.06	5.18	1.50	3.21	5.39	1.42	3.83
20	1.47	0.29	5.10	5.25	1.51	3.22	5.44	1.41	3.89
21	1.50	0.29	5.13	5.32	1.52	3.23	5.49	1.40	3.95
22	1.53	0.30	5.16	5.39	1.53	3.24	5.54	1.39	4.01
23	1.55	0.30	5.19	5.46	1.54	3.25	5.59	1.38	4.07
24	1.58	0.30	5.22	5.53	1.55	3.26	5.64	1.37	4.13

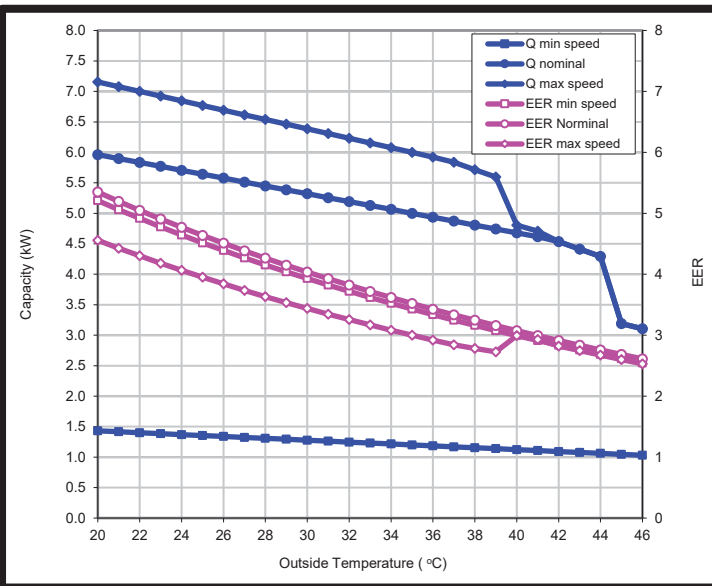


Model : RAS-B18P2KVSG(B)-E/TR ; RAS-18P2AVSG-E/TR**Product specification :**

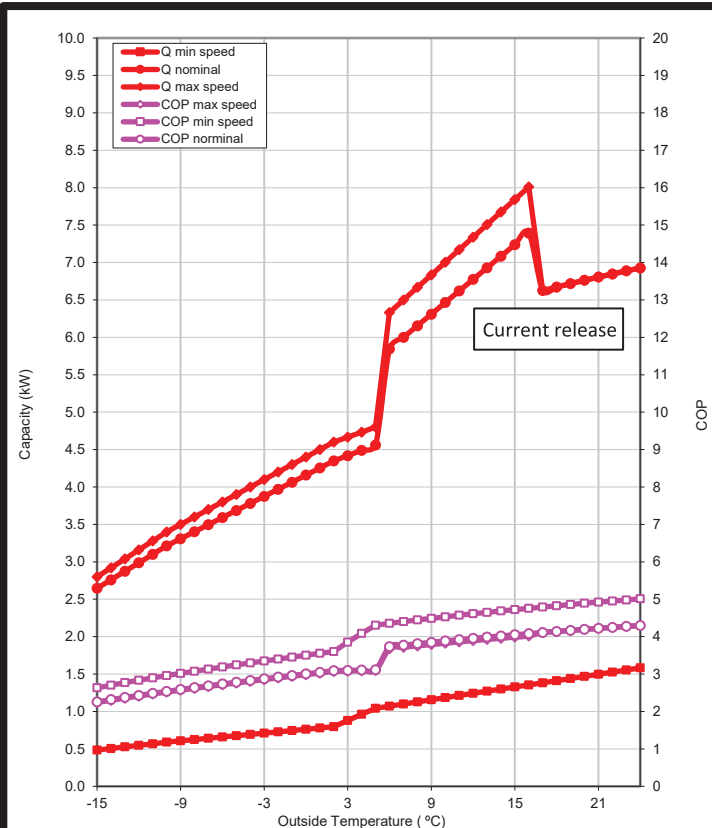
Condition	Capacity (kW)	Power (kW)	EER/COP
Cooling JIS	Min 1.20	0.35	3.43
In: 27°C DB/19°C WB	Rated 5.00	1.42	3.52
Out: 35°C DB/24°C WB	Max 6.00	2.00	3.00
Heating JIS	Min 1.10	0.25	4.40
In: 20°C DB/15°C WB	Rated 6.00	1.59	3.77
Out: 7°C DB/6°C WB	Max 6.50	1.75	3.71
Heating Low Temp.	Min 4.60	1.50	3.07
In: 20°C DB/15°C WB	Rated 3.40	1.350	2.52
Out: 2°C DB/1°C WB	Max 2.80	1.250	2.24
Heating Low Temp.	Min 2.80	1.250	2.24
In: 20°C DB/15°C WB	Rated 2.80	1.250	2.24
Out: -15°C DB	Max 2.80	1.250	2.24

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	1.43	0.27	5.21	5.96	1.11	5.35	7.16	1.57	4.56
21	1.42	0.28	5.06	5.90	1.14	5.20	7.08	1.60	4.43
22	1.40	0.28	4.92	5.83	1.16	5.05	7.00	1.63	4.30
23	1.38	0.29	4.78	5.77	1.18	4.91	6.92	1.66	4.18
24	1.37	0.29	4.64	5.71	1.20	4.77	6.85	1.68	4.06
25	1.35	0.30	4.52	5.64	1.22	4.64	6.77	1.71	3.95
26	1.34	0.30	4.39	5.58	1.24	4.51	6.69	1.74	3.84
27	1.32	0.31	4.27	5.51	1.26	4.39	6.62	1.77	3.74
28	1.31	0.31	4.15	5.45	1.28	4.27	6.54	1.80	3.63
29	1.29	0.32	4.04	5.39	1.30	4.15	6.46	1.83	3.54
30	1.28	0.32	3.93	5.32	1.32	4.04	6.39	1.86	3.44
31	1.26	0.33	3.82	5.26	1.34	3.93	6.31	1.89	3.35
32	1.25	0.33	3.72	5.19	1.36	3.82	6.23	1.91	3.26
33	1.23	0.34	3.62	5.13	1.38	3.72	6.15	1.94	3.17
34	1.22	0.34	3.52	5.06	1.40	3.62	6.08	1.97	3.08
35	1.20	0.35	3.43	5.00	1.42	3.52	6.00	2.00	3.00
36	1.18	0.36	3.34	4.94	1.44	3.43	5.92	2.03	2.92
37	1.17	0.36	3.25	4.87	1.46	3.34	5.84	2.05	2.84
38	1.15	0.37	3.16	4.81	1.48	3.25	5.77	2.05	2.78
39	1.14	0.37	3.08	4.74	1.50	3.16	5.69	2.05	2.73
40	1.12	0.38	2.99	4.68	1.52	3.07	5.61	2.05	2.69
41	1.11	0.38	2.91	4.62	1.54	2.99	5.53	2.05	2.63
42	1.09	0.39	2.84	4.53	1.56	2.91	5.45	2.05	2.58
43	1.08	0.39	2.76	4.44	1.56	2.83	5.37	2.05	2.53
44	1.06	0.40	2.69	4.39	1.56	2.76	5.29	2.05	2.48
45	1.05	0.40	2.61	4.31	1.56	2.68	5.21	2.05	2.43
46	1.03	0.41	2.54	4.23	1.56	2.61	5.13	2.05	2.38

**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 (-)
-15	0.49	0.18	2.63	2.65	1.17	2.26	2.80	1.25	2.24
-14	0.51	0.19	2.70	2.76	1.19	2.32	2.92	1.27	2.30
-13	0.53	0.19	2.77	2.87	1.21	2.37	3.04	1.29	2.36
-12	0.55	0.19	2.83	2.99	1.23	2.43	3.16	1.31	2.41
-11	0.57	0.20	2.90	3.10	1.25	2.48	3.28	1.33	2.47
-10	0.59	0.20	2.96	3.21	1.27	2.54	3.40	1.35	2.52
-9	0.61	0.20	3.02	3.31	1.28	2.59	3.50	1.36	2.57
-8	0.62	0.20	3.08	3.40	1.29	2.64	3.60	1.38	2.62
-7	0.64	0.20	3.13	3.50	1.30	2.69	3.70	1.39	2.67
-6	0.66	0.21	3.19	3.59	1.31	2.73	3.80	1.40	2.71
-5	0.68	0.21	3.24	3.69	1.33	2.78	3.90	1.41	2.76
-4	0.69	0.21	3.30	3.78	1.34	2.83	4.00	1.43	2.81
-3	0.71	0.21	3.35	3.88	1.35	2.87	4.10	1.44	2.85
-2	0.73	0.21	3.40	3.97	1.36	2.92	4.20	1.45	2.90
-1	0.75	0.22	3.45	4.06	1.37	2.96	4.30	1.46	2.94
0	0.76	0.22	3.50	4.16	1.38	3.01	4.40	1.48	2.98
1	0.78	0.22	3.55	4.25	1.40	3.05	4.50	1.49	3.03
2	0.80	0.22	3.60	4.35	1.41	3.09	4.60	1.50	3.07
3	0.88	0.23	3.85	4.42	1.43	3.10	4.67	1.52	3.08
4	0.96	0.24	4.09	4.49	1.44	3.11	4.73	1.53	3.09
5	1.04	0.24	4.31	4.56	1.46	3.12	4.80	1.55	3.10
6	1.07	0.25	4.35	4.65	1.47	3.13	4.87	1.56	3.11
7	1.10	0.25	4.40	4.74	1.48	3.14	4.94	1.57	3.12
8	1.13	0.25	4.44	4.83	1.49	3.15	5.01	1.58	3.13
9	1.16	0.26	4.49	4.92	1.50	3.16	5.08	1.59	3.14
10	1.19	0.26	4.53	5.01	1.51	3.17	5.15	1.60	3.15
11	1.21	0.27	4.57	5.10	1.52	3.18	5.22	1.61	3.16
12	1.24	0.27	4.61	5.19	1.53	3.19	5.29	1.62	3.17
13	1.27	0.27	4.65	5.28	1.54	3.20	5.36	1.63	3.18
14	1.30	0.28	4.69	5.37	1.55	3.21	5.43	1.64	3.19
15	1.33	0.28	4.72	5.46	1.56	3.22	5.50	1.65	3.20
16	1.36	0.28	4.76	5.55	1.57	3.23	5.57	1.66	3.21
17	1.38	0.29	4.79	5.64	1.58	3.24	5.64	1.67	3.22
18	1.41	0.29	4.83	5.73	1.59	3.25	5.71	1.68	3.23
19	1.44	0.30	4.86	5.82	1.60	3.26	5.78	1.69	3.24
20	1.47	0.30	4.89	5.91	1.61	3.27	5.85	1.70	3.25
21	1.50	0.30	4.92	6.00	1.62	3.28	5.92	1.71	3.26
22	1.53	0.31	4.95	6.09	1.63	3.29	6.00	1.72	3.27
23	1.55	0.31	4.98	6.18	1.64	3.30	6.07	1.73	3.28
24	1.58	0.32	5.01	6.27	1.65	3.31	6.14	1.74	3.29

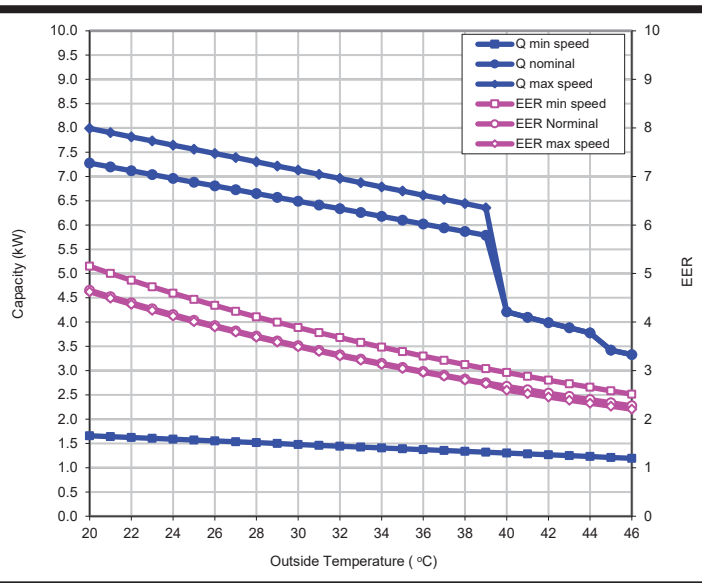


Model : RAS-B22P2KVSG(B)-E/TR ; RAS-22P2AVSG-E/TR**Product specification :**

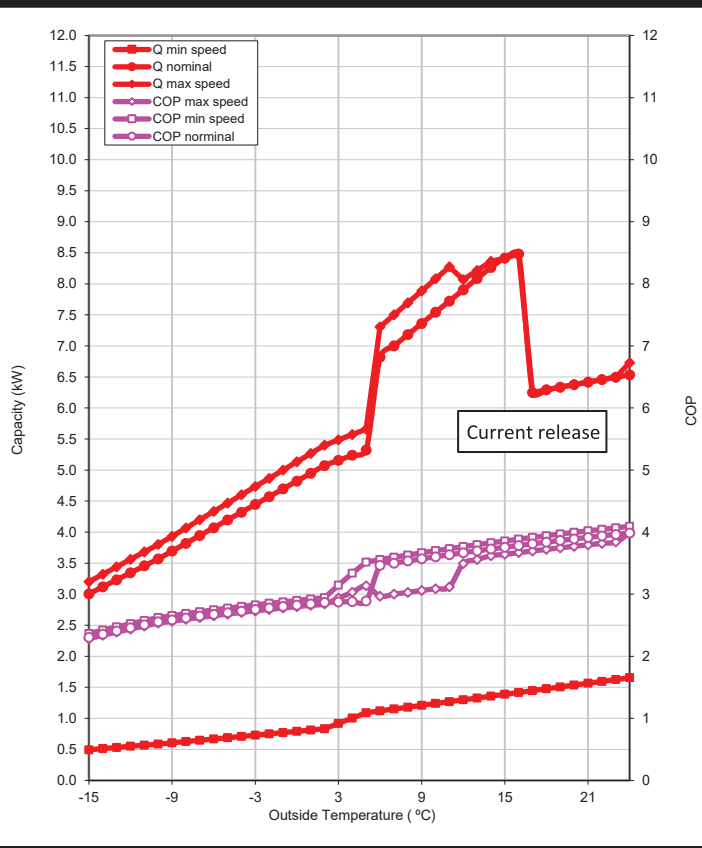
Condition	Capacity (kW)	Power (kW)	EER/COP
Cooling JIS	Min 1.39	0.41	3.39
In: 27°C DB/19°C WB	Rated 6.10	1.99	3.07
Out: 35°C DB/24°C WB	Max 6.70	2.20	3.05
Heating JIS	Min 1.15	0.32	3.59
In: 20°C DB/15°C WB	Rated 7.00	2.00	3.50
Out: 7°C DB/6°C WB	Max 7.50	2.50	3.00
Heating Low Temp.			
In: 20°C DB/15°C WB	Max 5.40	1.90	2.84
Out: 2°C DB/1°C WB			
Heating Low Temp.			
In: 20°C DB/15°C WB	Max 3.80	1.500	2.53
Out: -10°C DB			
Heating Low Temp.			
In: 20°C DB/15°C WB	Max 3.20	1.400	2.29
Out: -15°C DB			

Cooling performance characteristic :

Outside Temp (°C)	Min capacity Capacity (kW)	Min capacity Power (kW)	Min capacity EER (-)	Nominal capacity Capacity (kW)	Nominal capacity Power (kW)	Nominal capacity EER (-)	Max capacity Capacity (kW)	Max capacity Power (kW)	Max capacity EER (-)
20	1.66	0.32	5.15	7.27	1.56	4.66	7.99	1.73	4.63
21	1.64	0.33	5.00	7.20	1.59	4.52	7.90	1.76	4.49
22	1.62	0.33	4.86	7.12	1.62	4.40	7.82	1.79	4.37
23	1.60	0.34	4.73	7.04	1.65	4.27	7.73	1.82	4.24
24	1.59	0.35	4.59	6.96	1.68	4.15	7.65	1.85	4.13
25	1.57	0.35	4.47	6.88	1.70	4.04	7.56	1.88	4.01
26	1.55	0.36	4.34	6.80	1.73	3.93	7.47	1.92	3.90
27	1.53	0.36	4.22	6.73	1.76	3.82	7.39	1.95	3.79
28	1.51	0.37	4.11	6.65	1.79	3.71	7.30	1.98	3.69
29	1.50	0.37	3.99	6.57	1.82	3.61	7.22	2.01	3.59
30	1.48	0.38	3.89	6.49	1.85	3.51	7.13	2.04	3.49
31	1.46	0.39	3.78	6.41	1.88	3.42	7.04	2.07	3.40
32	1.44	0.39	3.68	6.33	1.90	3.33	6.96	2.11	3.30
33	1.43	0.40	3.58	6.26	1.93	3.24	6.87	2.14	3.22
34	1.41	0.40	3.48	6.18	1.96	3.15	6.79	2.17	3.13
35	1.39	0.41	3.39	6.10	1.99	3.07	6.70	2.20	3.05
36	1.37	0.42	3.30	6.02	2.02	2.98	6.61	2.23	2.96
37	1.35	0.42	3.21	5.94	2.05	2.90	6.53	2.26	2.88
38	1.34	0.43	3.13	5.87	2.08	2.83	6.44	2.29	2.81
39	1.32	0.43	3.04	5.79	2.10	2.75	6.36	2.33	2.73
40	1.30	0.44	2.96	4.21	1.57	2.68	4.21	1.62	2.59
41	1.28	0.45	2.88	4.10	1.57	2.61	4.10	1.62	2.53
42	1.27	0.45	2.80	3.99	1.57	2.54	3.99	1.62	2.46
43	1.25	0.46	2.73	3.88	1.57	2.47	3.88	1.62	2.39
44	1.23	0.46	2.66	3.78	1.57	2.40	3.78	1.62	2.33
45	1.21	0.47	2.58	3.42	1.46	2.34	3.42	1.51	2.27
46	1.19	0.47	2.52	3.33	1.46	2.27	3.33	1.51	2.20

**Heating performance characteristic :**

Outside Temp (°C)	Min capacity Capacity (kW)	Min capacity Power (kW)	Min capacity COP (-)	Nominal capacity Capacity (kW)	Nominal capacity Power (kW)	Nominal capacity COP (-)	Max capacity Capacity (kW)	Max capacity Power (kW)	Max capacity COP (-)
-15	0.49	0.21	2.37	3.01	1.30	2.30	3.20	1.40	2.29
-14	0.51	0.21	2.42	3.12	1.32	2.36	3.32	1.42	2.34
-13	0.53	0.21	2.47	3.23	1.34	2.41	3.44	1.44	2.39
-12	0.55	0.22	2.52	3.34	1.36	2.46	3.56	1.46	2.44
-11	0.57	0.22	2.57	3.46	1.38	2.51	3.68	1.48	2.49
-10	0.59	0.22	2.62	3.57	1.40	2.55	3.80	1.50	2.53
-9	0.61	0.23	2.66	3.69	1.43	2.59	3.93	1.53	2.57
-8	0.63	0.23	2.69	3.82	1.46	2.62	4.07	1.57	2.60
-7	0.65	0.24	2.72	3.95	1.49	2.65	4.20	1.60	2.63
-6	0.67	0.24	2.75	4.07	1.52	2.68	4.33	1.63	2.65
-5	0.69	0.25	2.77	4.20	1.55	2.70	4.47	1.67	2.68
-4	0.71	0.25	2.80	4.32	1.58	2.73	4.60	1.70	2.71
-3	0.73	0.26	2.83	4.45	1.61	2.75	4.73	1.73	2.73
-2	0.75	0.26	2.85	4.57	1.65	2.78	4.87	1.77	2.75
-1	0.77	0.27	2.88	4.70	1.68	2.80	5.00	1.80	2.78
0	0.79	0.27	2.90	4.82	1.71	2.82	5.13	1.83	2.80
1	0.81	0.28	2.92	4.95	1.74	2.85	5.27	1.87	2.82
2	0.83	0.28	2.94	5.07	1.77	2.87	5.40	1.90	2.84
3	0.92	0.29	3.15	5.16	1.79	2.87	5.49	1.87	2.94
4	1.00	0.30	3.34	5.24	1.82	2.88	5.57	1.84	3.03
5	1.09	0.31	3.52	5.32	1.84	2.89	5.66	1.81	3.13
6	1.12	0.32	3.56	5.40	1.87	2.90	5.74	1.78	3.22
7	1.15	0.32	3.59	5.49	1.90	2.91	5.83	1.75	3.31
8	1.18	0.32	3.63	5.58	1.93	2.92	5.92	1.72	3.40
9	1.21	0.33	3.67	5.67	1.96	2.93	6.01	1.69	3.49
10	1.24	0.33	3.70	5.76	1.99	2.94	6.10	1.66	3.58
11	1.27	0.34	3.73	5.85	2.02	2.95	6.19	1.63	3.67
12	1.30	0.34	3.77	5.94	2.05	2.96	6.28	1.60	3.76
13	1.33	0.35	3.80	6.03	2.08	2.97	6.37	1.57	3.85
14	1.36	0.35	3.83	6.12	2.11	2.98	6.46	1.54	3.94
15	1.39	0.36	3.86	6.21	2.14	2.99	6.55	1.51	4.03
16	1.42	0.36	3.89	6.30	2.17	3.00	6.64	1.48	4.12
17	1.45	0.37	3.91	6.39	2.20	3.01	6.73	1.45	4.21
18	1.48	0.37	3.94	6.48	2.23	3.02	6.82	1.42	4.30
19	1.51	0.38	3.97	6.57	2.26	3.03	6.91	1.39	4.39
20	1.54	0.38	4.00	6.66	2.29	3.04	7.00	1.36	4.48
21	1.57	0.39	4.02	6.75	2.32	3.05	7.09	1.33	4.57
22	1.60	0.39	4.05	6.84	2.35	3.06	7.18	1.30	4.66
23	1.62	0.40	4.07	6.93	2.38	3.07	7.27	1.27	4.75
24	1.65	0.40	4.09	7.02	2.41	3.08	7.36	1.24	4.84



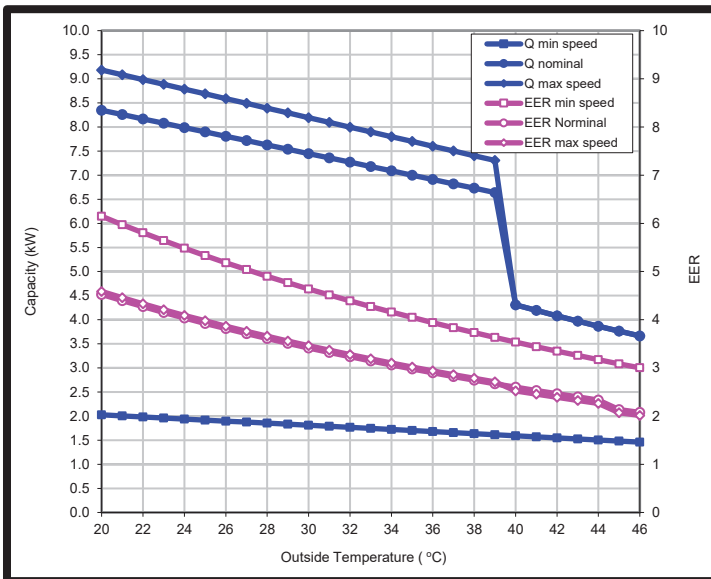
Model : RAS-B24P2KVSG(B)-E/TR ; RAS-24P2AVSG-E/TR

Product specification :

Condition	Capacity (kW)	Power (kW)	EER/COP
Cooling JIS	Min 1.70	0.42	4.05
In: 27°C DB/19°C WB	Rated 7.00	2.35	2.98
Out: 35°C DB/24°C WB	Max 7.70	2.55	3.02
Heating JIS	Min 1.70	0.33	5.15
In: 20°C DB/15°C WB	Rated 8.00	2.35	3.40
Out: 7°C DB/6°C WB	Max 8.80	2.60	3.38
Heating Low Temp.			
In: 20°C DB/15°C WB	Max 6.30	2.15	2.93
Out: 2°C DB/1°C WB			
Heating Low Temp.			
In: 20°C DB/15°C WB	Max 4.90	2.100	2.33
Out: -10°C DB			
Heating Low Temp.			
In: 20°C DB/15°C WB	Max 4.20	1.900	2.21
Out: -15°C DB			

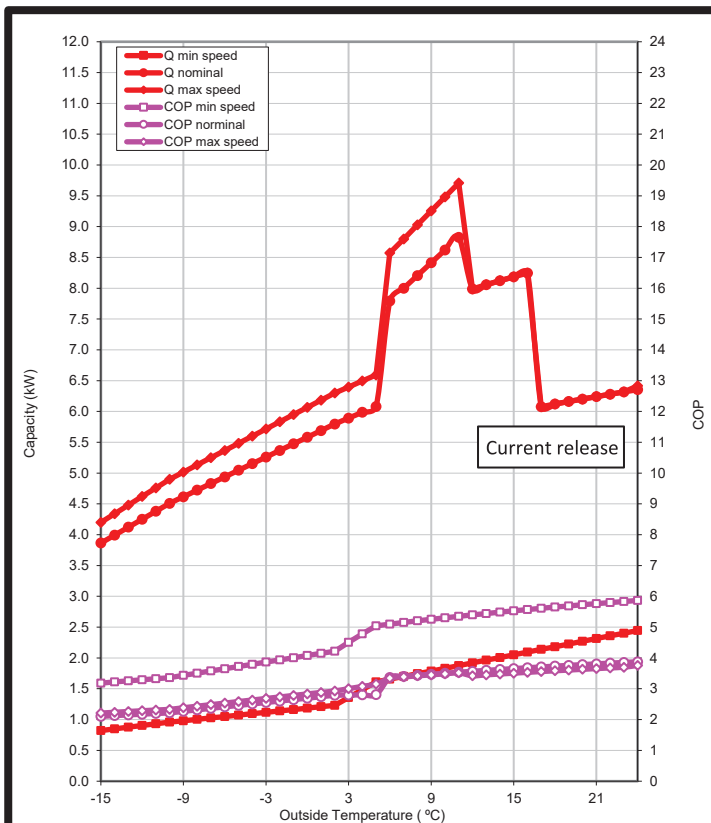
Cooling performance characteristic :

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	2.03	0.33	6.15	8.35	1.84	4.53	9.18	2.00	4.59
21	2.01	0.34	5.97	8.26	1.88	4.40	9.08	2.04	4.46
22	1.98	0.34	5.80	8.17	1.91	4.27	8.98	2.07	4.33
23	1.96	0.35	5.64	8.08	1.95	4.15	8.89	2.11	4.21
24	1.94	0.35	5.48	7.99	1.98	4.04	8.79	2.15	4.09
25	1.92	0.36	5.33	7.90	2.01	3.92	8.69	2.18	3.98
26	1.90	0.37	5.18	7.81	2.05	3.81	8.59	2.22	3.87
27	1.87	0.37	5.04	7.72	2.08	3.71	8.49	2.26	3.76
28	1.85	0.38	4.90	7.63	2.11	3.61	8.39	2.29	3.66
29	1.83	0.38	4.77	7.54	2.15	3.51	8.29	2.33	3.56
30	1.81	0.39	4.64	7.45	2.18	3.41	8.19	2.37	3.46
31	1.79	0.40	4.51	7.36	2.22	3.32	8.10	2.40	3.37
32	1.77	0.40	4.39	7.27	2.25	3.23	8.00	2.44	3.28
33	1.74	0.41	4.27	7.18	2.28	3.15	7.90	2.48	3.19
34	1.72	0.41	4.16	7.09	2.32	3.06	7.80	2.51	3.10
35	1.70	0.42	4.05	7.00	2.35	2.98	7.70	2.55	3.02
36	1.68	0.43	3.94	6.91	2.38	2.90	7.60	2.59	2.94
37	1.66	0.43	3.83	6.82	2.42	2.82	7.50	2.62	2.86
38	1.63	0.44	3.73	6.73	2.45	2.75	7.40	2.66	2.78
39	1.61	0.44	3.63	6.64	2.48	2.67	7.30	2.70	2.71
40	1.59	0.45	3.53	6.54	2.51	2.60	7.20	2.74	2.64
41	1.57	0.46	3.44	6.45	2.54	2.53	7.10	2.78	2.57
42	1.55	0.46	3.35	6.36	2.57	2.46	7.00	2.82	2.50
43	1.53	0.47	3.26	6.27	2.60	2.40	6.90	2.86	2.43
44	1.50	0.47	3.17	6.18	2.63	2.33	6.80	2.90	2.36
45	1.48	0.48	3.09	6.09	2.66	2.26	6.70	2.94	2.29
46	1.46	0.49	3.00	6.00	2.69	2.19	6.60	2.98	2.22



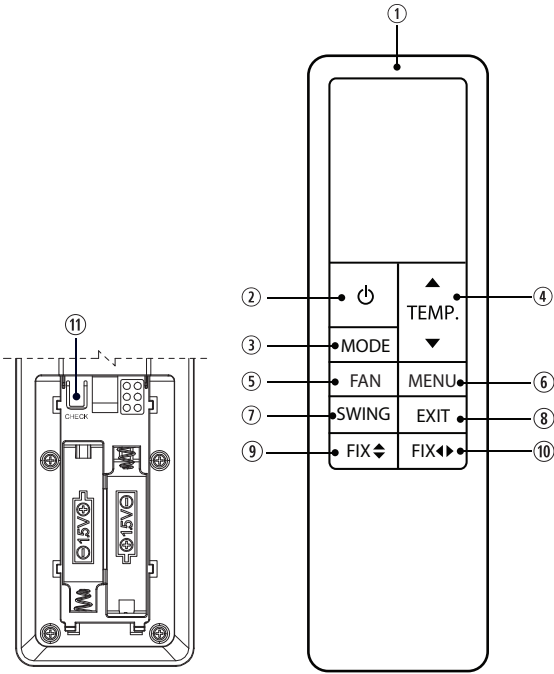
Heating performance characteristic :

Outside Temp. (°C)	Min capacity			Nominal capacity			Max capacity		
	Capacity (kW)	Power (kW)	COP (-)	Capacity (kW)	Power (kW)	COP (-)	Capacity (kW)	Power (kW)	COP (-)
-15	0.82	0.26	3.18	3.86	1.84	2.10	4.20	1.90	2.21
-14	0.85	0.26	3.22	3.99	1.88	2.13	4.34	1.94	2.24
-13	0.88	0.27	3.26	4.12	1.92	2.15	4.48	1.98	2.26
-12	0.90	0.27	3.29	4.25	1.95	2.18	4.62	2.02	2.29
-11	0.93	0.28	3.33	4.38	1.99	2.20	4.76	2.06	2.31
-10	0.96	0.29	3.36	4.51	2.03	2.22	4.90	2.10	2.33
-9	0.98	0.29	3.43	4.62	2.04	2.27	5.02	2.10	2.38
-8	1.00	0.29	3.51	4.72	2.04	2.32	5.13	2.11	2.43
-7	1.03	0.29	3.58	4.83	2.04	2.36	5.25	2.11	2.49
-6	1.05	0.29	3.65	4.94	2.05	2.41	5.37	2.12	2.54
-5	1.07	0.29	3.72	5.05	2.05	2.46	5.48	2.12	2.59
-4	1.10	0.29	3.79	5.15	2.06	2.51	5.60	2.13	2.64
-3	1.12	0.29	3.87	5.26	2.06	2.55	5.72	2.13	2.68
-2	1.14	0.29	3.94	5.37	2.06	2.60	5.83	2.13	2.73
-1	1.16	0.29	4.01	5.48	2.07	2.65	5.95	2.14	2.78
0	1.19	0.29	4.08	5.58	2.07	2.69	6.07	2.14	2.83
1	1.21	0.29	4.15	5.69	2.08	2.74	6.18	2.15	2.88
2	1.23	0.29	4.22	5.80	2.08	2.79	6.30	2.15	2.93
3	1.36	0.30	4.51	5.89	2.11	2.80	6.40	2.13	3.00
4	1.49	0.31	4.78	5.99	2.14	2.80	6.49	2.11	3.08
5	1.61	0.32	5.04	6.08	2.16	2.81	6.59	2.09	3.15
6	1.66	0.32	5.10	6.17	2.17	2.82	6.68	2.07	3.22
7	1.70	0.33	5.15	6.26	2.18	2.83	6.77	2.05	3.29
8	1.74	0.34	5.20	6.35	2.19	2.84	6.86	2.03	3.36
9	1.79	0.34	5.25	6.44	2.20	2.85	6.95	2.01	3.43
10	1.83	0.35	5.30	6.53	2.21	2.86	7.04	1.99	3.50
11	1.88	0.35	5.35	6.62	2.22	2.87	7.13	1.97	3.57
12	1.92	0.36	5.40	6.71	2.23	2.88	7.22	1.95	3.64
13	1.96	0.36	5.44	6.80	2.24	2.89	7.31	1.93	3.71
14	2.01	0.37	5.49	6.89	2.25	2.90	7.40	1.91	3.78
15	2.05	0.37	5.53	6.98	2.26	2.91	7.49	1.89	3.85
16	2.09	0.38	5.57	7.07	2.27	2.92	7.58	1.87	3.92
17	2.14	0.38	5.61	7.16	2.28	2.93	7.67	1.85	3.99
18	2.18	0.39	5.65	7.25	2.29	2.94	7.76	1.83	4.06
19	2.23	0.39	5.69	7.34	2.30	2.95	7.85	1.81	4.13
20	2.27	0.40	5.73	7.43	2.31	2.96	7.94	1.79	4.20
21	2.31	0.40	5.76	7.52	2.32	2.97	8.03	1.77	4.27
22	2.36	0.41	5.80	7.61	2.33	2.98	8.12	1.75	4.34
23	2.40	0.41	5.83	7.70	2.34	2.99	8.21	1.73	4.41
24	2.45	0.42	5.87	7.79	2.35	3.00	8.30	1.71	4.48



11. Accessories

Standard RC : WH-UE07UE, WH-UE08UE

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

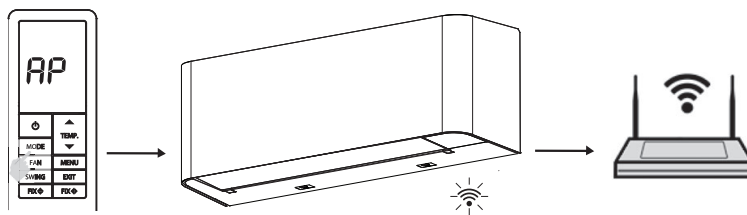
Toshiba Home AC Control application support



iOS : 9.0 or later.



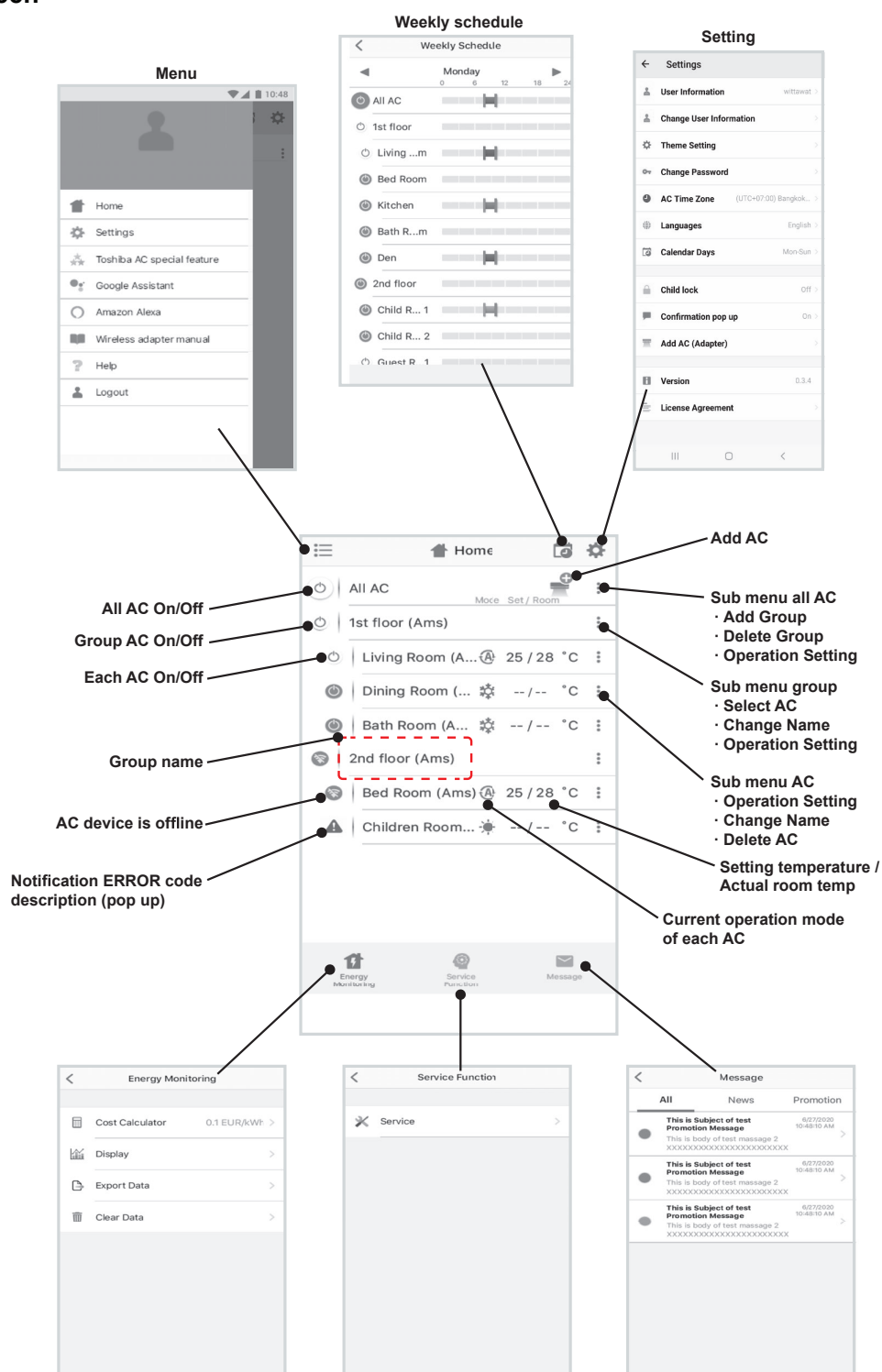
Android : Version 5.0 or later.



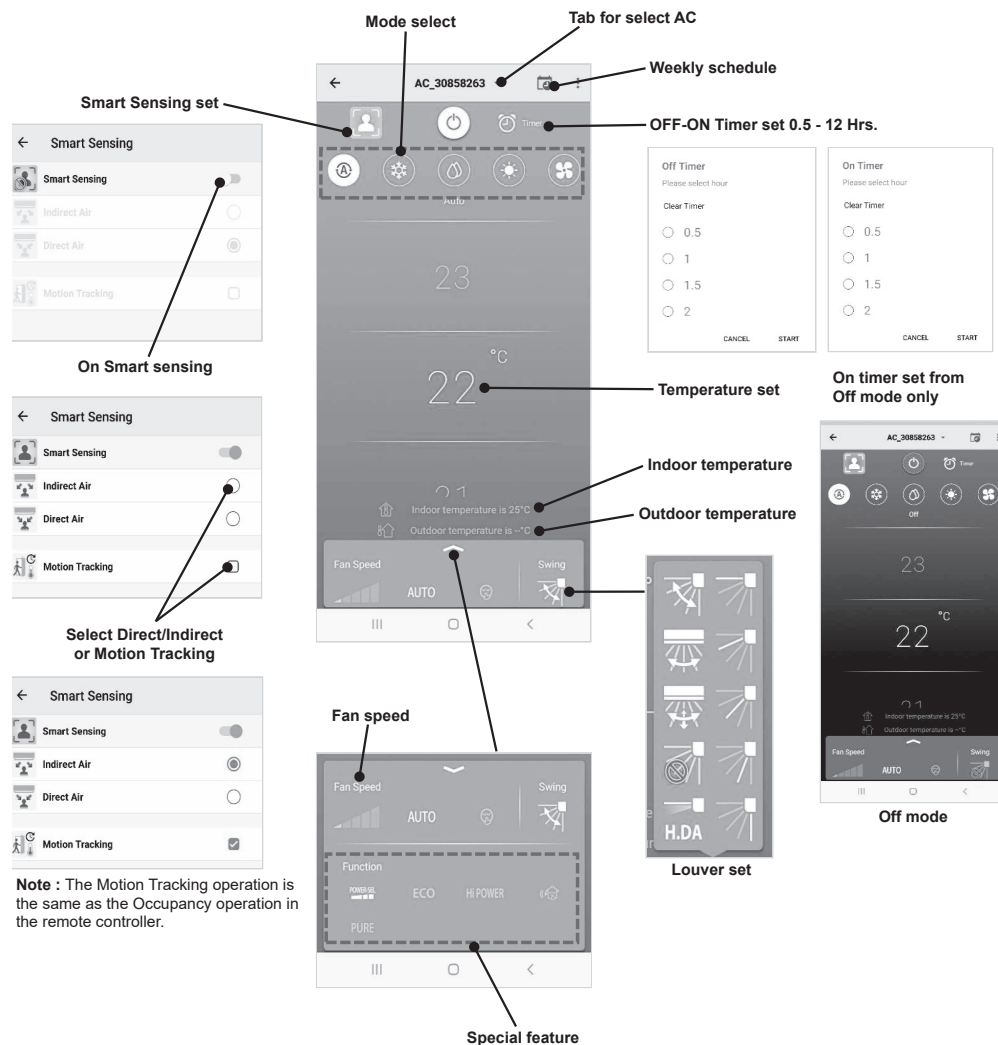
Active Wireless adapter by Remote controller.

Toshiba Home AC Control application

Home screen



Setting in operation mode



	Model code	Strong Defrost	On demand Defrost	Pure	Hi power	Silent CDU	Power select	Eco logic	Fix vertical	Swing vertical	Fix Horizontal	Swing Horizontal	3D airflow (Swing V&H)	HADA care
Standard RC	WH-UE07UE WH-UE08UE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Accessory RC	RB-RXS33-E	✗	✓	✗	✓	✓	✓	✓	✓	✓	✗	✓	✓	✗
Wi-Fi	Built-In	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

	Model code	Preset	Fan speed	Quiet FCU	8° C (Heating mode)	Fire place	Off timer (0.5, 1-12hrs.)	24 Hrs. on-off timer	Weekly timer	FCU led Dim	Comfort sleep	Backlight display	Luminous button	Wired connectable RC
Standard RC	WH-UE07UE WH-UE08UE	✗	✓	✓	✓ 5-30°C	✓	✓	✗	✗	✓	✗	✓	✓	✗
Accessory RC	RB-RXS33-E	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓
Wi-Fi	Built-In	✗	✓	✓	✓	✓	✓	✗	✓	✗	✗			

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