

Inverter Multi System R32

Outdoor Unit (2 Rooms)

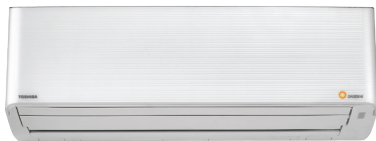
RAS-2M14U2AVG-E / TR

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1. Line up

RAS-2M14U2AVG-E / TR

Type	Appearance	Model name	Capacity rank
High wall DSK9		RAS-M10PKVPG-E/TR	10k
		RAS-M13PKVPG-E/TR	13k
High wall Premium SHORAI		RAS-B10J2KVRG-E	10k
		RAS-B13J2KVRG-E	13k
High wall SHORAI		RAS-M05PKVSG-E/TR	05k
		RAS-M07PKVSG-E/TR	07k
		RAS-B10PKVSG-E/TR	10k
		RAS-B13PKVSG-E/TR	13k
High wall SEIYA		RAS-B05J2KVG-E/TR	05k
		RAS-B07J2KVG-E/TR	07k
		RAS-B10J2KVG-E/TR	10k
		RAS-B13J2KVG-E/TR	13k
High wall MIRAI		RAS-B05BKVG-E/TR	05k
		RAS-B07BKVG-E/TR	07k
		RAS-B10BKVG-E/TR	10k
		RAS-B13BKVG-E/TR	13k
Ducted		RAS-M07U2DVG-E/TR	07k
		RAS-M10U2DVG-E/TR	10k
		RAS-M13U2DVG-E/TR	13k
Compact 4-way Cassette		RAS-M10U2MUVG-E/TR	10k
		RAS-M13U2MUVG-E/TR	13k

Type	Appearance	Model name	Capacity rank
New Bi-Flow console		RAS-B10U2FVG-E1/TR	10k
		RAS-B13U2FVG-E1/TR	13k
Bi-Flow console		RAS-B10U2FVG-E/TR	10k
		RAS-B13U2FVG-E/TR	13k

2. Specifications

2.1 Outdoor unit : RAS-2M14U2AVG-E / TR

Unit model		Outdoor	RAS-	2M14U2AVG		
		Connection indoor unit of this specification		RAS-	B13PKVSG (×2)	
Cooling Capacity (*1)			(kW)	4.0		
Cooling Capacity range			(kW)	1.6 to 4.9		
Heating Capacity (*1)			(kW)	4.4		
Heating Capacity range			(kW)	1.3 to 5.2		
-7°C Max heating			(kW)	2.74		
Power supply			1Ph,220-240V,50Hz			
Electric characteristics	Total	Operation mode		Cooling	Heating	
		Running current		(A)	4.55 / 4.35 / 4.15	4.40 / 4.20 / 4.05
		Power consumption		(W)	920	890
		Power factor		(%)	92	92
		Starting current		(A)	4.55 / 4.35 / 4.15	
EER / COP			4.35 / 4.94			
SEER / SCOP			6.73 / 4.60			
Operating noise	Outdoor (Cooling/Heating)	Sound pressure level		(dBA)		45 / 46
		Sound power level		(dBA)		58 / 59
Outdoor unit	Dimension	Height		(mm)		630
		Width		(mm)		800
		Depth		(mm)		300
	Net weight		(kg)		43	
	Compressor	Motor output		(W)		1050
		Type		Single rotary type with DC-inverter variable speed control		
		Model		KTN130D3UFZ		
	Fan motor output		(W)		43	
	Air flow rate (Cooling/Heating)		(m³/h)		1863 / 1863	
	Type		Flare connection			
	Name of refrigerant		R32			
	Weight of refrigerant		(kg)		1.02	
Piping connection	Outdoor unit	A unit liquid side/gas side		Ø6.35 / Ø9.52		
		B unit liquid side/gas side		Ø6.35 / Ø9.52		
		C unit liquid side/gas side		-		
	Maximum length (per unit)		(m)		20	
	Maximum length (total)		(m)		30	
	Maximum chargeless length		(m)		30	
	Maximum height difference		(m)		10	
Wiring connection	Power supply / interconnection		3 Wires : includes earth / 4 Wires : includes earth			
Usable temperature range	Outdoor (Cooling/Heating)		(°C)		-10 to 46°C / -20 to 24°C	
Accessory Outdoor unit	Installation manual		1			

- For performance when each indoor unit is combined with other unit, refer to the separate table.
- The specifications may be subject to change without notice for purpose of improvement.

- (*1) Rated conditions

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

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

Piping length : 5 m per Indoor Unit.

2.2 Combination

Operation mode : Cooling

Power supply voltage : 220V

Operating status	Indoor unit				Unit capacity (kW)			Total				
	A	B	C	ΣkBTU	A	B	C	Cooling capacity (kW)	Power consumption (W)	Operating current (A)	Power factor (%)	Rated SEER
1 unit	05	-	-	5	1.50	-	-	1.50 (1.20 - 1.80)	310 (240 - 380)	1.67 (1.52 - 1.89)	84 (72 - 92)	-
	07	-	-	7	2.00	-	-	2.00 (1.30 - 2.50)	420 (240 - 590)	2.25 (1.52 - 2.93)	85 (72 - 92)	-
	10	-	-	10	2.70	-	-	2.70 (1.30 - 3.20)	640 (240 - 860)	3.40 (1.52 - 4.20)	86 (72 - 93)	-
	13	-	-	13	3.70	-	-	3.70 (1.30 - 4.10)	1050 (240 - 1190)	5.49 (1.52 - 5.80)	87 (72 - 93)	-
2 units	05	05	-	10	1.50	1.50	-	3.00 (1.60 - 4.20)	910 (290 - 1130)	4.50 (1.84 - 5.45)	92 (72 - 94)	5.10
	07	05	-	12	2.00	1.50	-	3.50 (1.60 - 4.30)	960 (290 - 1130)	4.75 (1.84 - 5.45)	92 (72 - 94)	5.64
	10	05	-	15	2.57	1.43	-	4.00 (1.60 - 4.40)	1030 (290 - 1130)	5.12 (1.84 - 5.45)	92 (72 - 94)	6.01
	13	05	-	18	2.85	1.15	-	4.00 (1.60 - 4.50)	960 (290 - 1130)	4.75 (1.84 - 5.45)	92 (72 - 94)	6.45
	07	07	-	14	2.00	2.00	-	4.00 (1.60 - 4.50)	1030 (290 - 1130)	5.12 (1.84 - 5.45)	92 (72 - 94)	6.55
	10	07	-	17	2.30	1.70	-	4.00 (1.60 - 4.60)	960 (290 - 1130)	4.75 (1.84 - 5.45)	92 (72 - 94)	6.58
	13	07	-	20	2.60	1.40	-	4.00 (1.60 - 4.70)	940 (290 - 1140)	4.65 (1.84 - 5.50)	92 (72 - 94)	6.65
	10	10	-	20	2.00	2.00	-	4.00 (1.60 - 4.70)	940 (290 - 1140)	4.65 (1.84 - 5.50)	92 (72 - 94)	6.63
	13	10	-	23	2.31	1.69	-	4.00 (1.60 - 4.80)	930 (290 - 1150)	4.59 (1.84 - 5.55)	92 (72 - 94)	6.70
	13	13	-	26	2.00	2.00	-	4.00 (1.60 - 4.90)	920 (290 - 1150)	4.55 (1.84 - 5.55)	92 (72 - 94)	6.73

Power supply voltage : 230V

Operating status	Indoor unit				Unit capacity (kW)			Total				
	A	B	C	ΣkBTU	A	B	C	Cooling capacity (kW)	Power consumption (W)	Operating current (A)	Power factor (%)	Rated SEER
1 unit	05	-	-	5	1.50	-	-	1.50 (1.20 - 1.80)	310 (240 - 380)	1.60 (1.45 - 1.80)	84 (72 - 92)	-
	07	-	-	7	2.00	-	-	2.00 (1.30 - 2.50)	420 (240 - 590)	2.15 (1.45 - 2.80)	85 (72 - 92)	-
	10	-	-	10	2.70	-	-	2.70 (1.30 - 3.20)	640 (240 - 860)	3.25 (1.45 - 4.00)	86 (72 - 93)	-
	13	-	-	13	3.70	-	-	3.70 (1.30 - 4.10)	1050 (240 - 1190)	5.25 (1.45 - 5.55)	87 (72 - 93)	-
2 units	05	05	-	10	1.50	1.50	-	3.00 (1.60 - 4.20)	910 (290 - 1130)	4.30 (1.76 - 5.23)	92 (72 - 94)	5.10
	07	05	-	12	2.00	1.50	-	3.50 (1.60 - 4.30)	960 (290 - 1130)	4.55 (1.76 - 5.23)	92 (72 - 94)	5.64
	10	05	-	15	2.57	1.43	-	4.00 (1.60 - 4.40)	1030 (290 - 1130)	4.89 (1.76 - 5.23)	92 (72 - 94)	6.01
	13	05	-	18	2.85	1.15	-	4.00 (1.60 - 4.50)	960 (290 - 1130)	4.55 (1.76 - 5.23)	92 (72 - 94)	6.45
	07	07	-	14	2.00	2.00	-	4.00 (1.60 - 4.50)	1030 (290 - 1130)	4.89 (1.76 - 5.23)	92 (72 - 94)	6.55
	10	07	-	17	2.30	1.70	-	4.00 (1.60 - 4.60)	960 (290 - 1130)	4.55 (1.76 - 5.23)	92 (72 - 94)	6.58
	13	07	-	20	2.60	1.40	-	4.00 (1.60 - 4.70)	940 (290 - 1140)	4.45 (1.76 - 5.27)	92 (72 - 94)	6.65
	10	10	-	20	2.00	2.00	-	4.00 (1.60 - 4.70)	940 (290 - 1140)	4.45 (1.76 - 5.30)	92 (72 - 94)	6.63
	13	10	-	23	2.31	1.69	-	4.00 (1.60 - 4.80)	930 (290 - 1150)	4.40 (1.76 - 5.35)	92 (72 - 94)	6.70
	13	13	-	26	2.00	2.00	-	4.00 (1.60 - 4.90)	920 (290 - 1150)	4.35 (1.76 - 5.30)	92 (72 - 94)	6.73

Power supply voltage : 240V

Operating status	Indoor unit				Unit capacity (kW)			Total				
	A	B	C	ΣkBTU	A	B	C	Cooling capacity (kW)	Power consumption (W)	Operating current (A)	Power factor (%)	Rated SEER
1 unit	05	-	-	5	1.50	-	-	1.50 (1.20 - 1.80)	310 (240 - 380)	1.53 (1.40 - 1.73)	85 (72 - 92)	-
	07	-	-	7	2.00	-	-	2.00 (1.30 - 2.50)	420 (240 - 590)	2.05 (1.40 - 2.69)	85 (72 - 92)	-
	10	-	-	10	2.70	-	-	2.70 (1.30 - 3.20)	640 (240 - 860)	3.10 (1.40 - 3.85)	86 (72 - 93)	-
	13	-	-	13	3.70	-	-	3.70 (1.30 - 4.10)	1050 (240 - 1190)	5.05 (1.40 - 5.35)	87 (72 - 93)	-
2 units	05	05	-	10	1.50	1.50	-	3.00 (1.60 - 4.20)	910 (290 - 1130)	4.12 (1.68 - 5.01)	92 (72 - 94)	5.10
	07	05	-	12	2.00	1.50	-	3.50 (1.60 - 4.30)	960 (290 - 1130)	4.35 (1.68 - 5.00)	92 (72 - 94)	5.64
	10	05	-	15	2.57	1.43	-	4.00 (1.60 - 4.40)	1030 (290 - 1130)	4.69 (1.68 - 5.00)	92 (72 - 94)	6.01
	13	05	-	18	2.85	1.15	-	4.00 (1.60 - 4.50)	960 (290 - 1130)	4.36 (1.68 - 5.00)	92 (72 - 94)	6.45
	07	07	-	14	2.00	2.00	-	4.00 (1.60 - 4.50)	1030 (290 - 1130)	4.69 (1.68 - 5.00)	92 (72 - 94)	6.55
	10	07	-	17	2.30	1.70	-	4.00 (1.60 - 4.60)	960 (290 - 1130)	4.36 (1.68 - 5.00)	92 (72 - 94)	6.58
	13	07	-	20	2.60	1.40	-	4.00 (1.60 - 4.70)	940 (290 - 1140)	4.27 (1.68 - 5.05)	92 (72 - 94)	6.65
	10	10	-	20	2.00	2.00	-	4.00 (1.60 - 4.70)	940 (290 - 1140)	4.27 (1.68 - 5.05)	92 (72 - 94)	6.63
	13	10	-	23	2.31	1.69	-	4.00 (1.60 - 4.80)	930 (290 - 1150)	4.21 (1.68 - 5.10)	92 (72 - 94)	6.70
	13	13	-	26	2.00	2.00	-	4.00 (1.60 - 4.90)	920 (290 - 1150)	4.15 (1.68 - 5.10)	92 (72 - 94)	6.73

• Specification values are those under the condition as follows ;

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

Piping length : 5 m per Indoor Unit.

Operation mode : Heating

Power supply voltage : 220V

Operating status	Indoor unit				Unit capacity (kW)			Total				
	A	B	C	ΣkBTU	A	B	C	Heating capacity (kW)	Power consumption (W)	Operating current (A)	Power factor (%)	Rated SCOP
1 unit	05	-	-	5	2.00	-	-	2.0 (0.9 - 2.5)	440 (190 - 580)	2.40 (1.20 - 2.88)	84 (72 - 92)	-
	07	-	-	7	2.70	-	-	2.7 (0.9 - 3.4)	610 (190 - 820)	3.30 (1.20 - 4.07)	84 (72 - 92)	-
	10	-	-	10	4.00	-	-	4.0 (0.9 - 4.8)	1050 (190 - 1380)	5.60 (1.20 - 6.75)	85 (72 - 93)	-
	13	-	-	13	4.40	-	-	4.4 (1.0 - 5.2)	1350 (210 - 1410)	7.14 (1.33 - 6.90)	86 (72 - 93)	-
2 units	05	05	-	10	2.00	2.00	-	4.0 (1.3 - 4.7)	920 (250 - 1270)	4.55 (1.58 - 6.15)	92 (72 - 94)	3.82
	07	05	-	12	2.70	2.00	-	4.4 (1.3 - 4.8)	960 (250 - 1270)	4.74 (1.58 - 6.15)	92 (72 - 94)	4.09
	10	05	-	15	3.73	1.87	-	4.4 (1.3 - 4.9)	960 (250 - 1270)	4.74 (1.58 - 6.15)	92 (72 - 94)	4.09
	13	05	-	18	4.00	1.60	-	4.4 (1.3 - 5.0)	950 (250 - 1250)	4.69 (1.58 - 6.05)	92 (72 - 94)	4.13
	07	07	-	14	2.70	2.70	-	4.4 (1.3 - 5.1)	960 (250 - 1270)	4.74 (1.58 - 6.15)	92 (72 - 94)	4.31
	10	07	-	17	3.34	2.26	-	4.4 (1.3 - 5.1)	950 (250 - 1250)	4.69 (1.58 - 6.05)	92 (72 - 94)	4.33
	13	07	-	20	3.64	1.96	-	4.4 (1.3 - 5.2)	920 (250 - 1250)	4.55 (1.58 - 6.05)	92 (72 - 94)	4.37
	10	10	-	20	2.80	2.80	-	4.4 (1.3 - 5.1)	930 (250 - 1230)	4.59 (1.58 - 5.95)	92 (72 - 94)	4.35
	13	10	-	23	2.30	2.10	-	4.4 (1.3 - 5.2)	910 (250 - 1230)	4.50 (1.58 - 5.95)	92 (72 - 94)	4.39
	13	13	-	26	2.20	2.20	-	4.4 (1.3 - 5.2)	890 (250 - 1220)	4.40 (1.52 - 5.90)	92 (75 - 94)	4.60

Power supply voltage : 230V

Operating status	Indoor unit				Unit capacity (kW)			Total				
	A	B	C	ΣkBTU	A	B	C	Heating capacity (kW)	Power consumption (W)	Operating current (A)	Power factor (%)	Rated SCOP
1 unit	05	-	-	5	2.00	-	-	2.0 (0.9 - 2.5)	440 (190 - 580)	2.28 (1.15 - 2.75)	84 (72 - 92)	-
	07	-	-	7	2.70	-	-	2.7 (0.9 - 3.4)	610 (190 - 820)	3.16 (1.15 - 3.90)	84 (72 - 92)	-
	10	-	-	10	4.00	-	-	4.0 (0.9 - 4.8)	1050 (190 - 1380)	5.37 (1.15 - 6.45)	85 (72 - 93)	-
	13	-	-	13	4.40	-	-	4.4 (1.0 - 5.2)	1350 (210 - 1410)	6.83 (1.27 - 6.61)	86 (72 - 93)	-
2 units	05	05	-	10	2.00	2.00	-	4.0 (1.3 - 4.7)	920 (250 - 1270)	4.34 (1.52 - 5.90)	92 (72 - 94)	3.82
	07	05	-	12	2.70	2.00	-	4.4 (1.3 - 4.8)	960 (250 - 1270)	4.53 (1.52 - 5.90)	92 (72 - 94)	4.09
	10	05	-	15	3.73	1.87	-	4.4 (1.3 - 4.9)	960 (250 - 1270)	4.53 (1.52 - 5.90)	92 (72 - 94)	4.09
	13	05	-	18	4.00	1.60	-	4.4 (1.3 - 5.0)	950 (250 - 1250)	4.48 (1.52 - 5.81)	92 (72 - 94)	4.13
	07	07	-	14	2.70	2.70	-	4.4 (1.3 - 5.1)	960 (250 - 1270)	4.53 (1.52 - 5.90)	92 (72 - 94)	4.31
	10	07	-	17	3.34	2.26	-	4.4 (1.3 - 5.1)	950 (250 - 1250)	4.48 (1.52 - 5.81)	92 (72 - 94)	4.33
	13	07	-	20	3.64	1.96	-	4.4 (1.3 - 5.2)	920 (250 - 1250)	4.34 (1.52 - 5.81)	92 (72 - 94)	4.37
	10	10	-	20	2.80	2.80	-	4.4 (1.3 - 5.1)	930 (250 - 1230)	4.39 (1.52 - 5.71)	92 (72 - 94)	4.35
	13	10	-	23	2.30	2.10	-	4.4 (1.3 - 5.2)	910 (250 - 1230)	4.29 (1.52 - 5.71)	92 (72 - 94)	4.39
	13	13	-	26	2.20	2.20	-	4.4 (1.3 - 5.2)	890 (250 - 1220)	4.20 (1.52 - 5.65)	92 (72 - 94)	4.60

Power supply voltage : 240V

Operating status	Indoor unit				Unit capacity (kW)			Total				
	A	B	C	ΣkBTU	A	B	C	Heating capacity (kW)	Power consumption (W)	Operating current (A)	Power factor (%)	Rated SCOP
1 unit	05	-	-	5	2.00	-	-	2.0 (0.9 - 2.5)	440 (190 - 580)	2.20 (1.10 - 2.64)	84 (72 - 92)	-
	07	-	-	7	2.70	-	-	2.7 (0.9 - 3.4)	610 (190 - 820)	3.04 (1.10 - 3.73)	84 (72 - 92)	-
	10	-	-	10	4.00	-	-	4.0 (0.9 - 4.8)	1050 (190 - 1380)	5.15 (1.10 - 6.20)	85 (72 - 93)	-
	13	-	-	13	4.40	-	-	4.4 (1.0 - 5.2)	1350 (210 - 1410)	6.55 (1.22 - 6.33)	86 (72 - 93)	-
2 units	05	05	-	10	2.00	2.00	-	4.0 (1.3 - 4.7)	920 (250 - 1270)	4.17 (1.45 - 5.65)	92 (72 - 94)	3.82
	07	05	-	12	2.70	2.00	-	4.4 (1.3 - 4.8)	960 (250 - 1270)	4.35 (1.45 - 5.65)	92 (72 - 94)	4.09
	10	05	-	15	3.73	1.87	-	4.4 (1.3 - 4.9)	960 (250 - 1270)	4.35 (1.45 - 5.65)	92 (72 - 94)	4.09
	13	05	-	18	4.00	1.60	-	4.4 (1.3 - 5.0)	950 (250 - 1250)	4.30 (1.45 - 5.56)	92 (72 - 94)	4.13
	07	07	-	14	2.70	2.70	-	4.4 (1.3 - 5.1)	960 (250 - 1270)	4.35 (1.45 - 5.65)	92 (72 - 94)	4.31
	10	07	-	17	3.34	2.26	-	4.4 (1.3 - 5.1)	950 (250 - 1250)	4.30 (1.45 - 5.56)	92 (72 - 94)	4.33
	13	07	-	20	3.64	1.96	-	4.4 (1.3 - 5.2)	920 (250 - 1250)	4.17 (1.45 - 5.56)	92 (72 - 94)	4.37
	10	10	-	20	2.80	2.80	-	4.4 (1.3 - 5.1)	930 (250 - 1230)	4.21 (1.45 - 5.48)	92 (72 - 94)	4.35
	13	10	-	23	2.30	2.10	-	4.4 (1.3 - 5.2)	910 (250 - 1230)	4.12 (1.45 - 5.48)	92 (72 - 94)	4.39
	13	13	-	26	2.20	2.20	-	4.4 (1.3 - 5.2)	890 (250 - 1220)	4.05 (1.45 - 5.40)	92 (72 - 94)	4.60

• Specification values are those under the condition as follows ;

Heating : Capacity test condition, inside : 20 °C (Db),

Piping length : 5 m per Indoor Unit.

outside : 7 °C (Db) / 6°C (Wb)

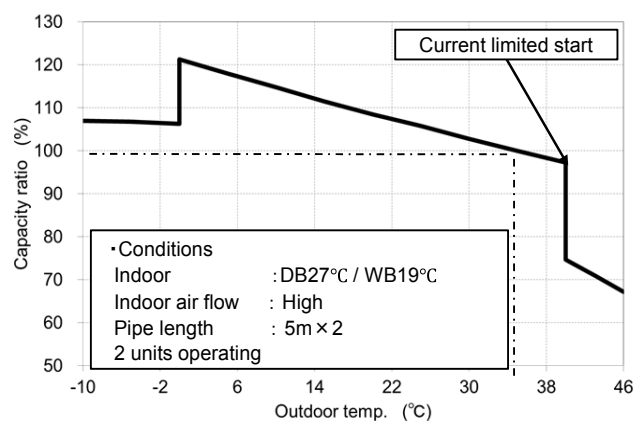
3. Cooling / Heating Capacity Characteristic

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

Capacity variation ratio according to outdoor temperature

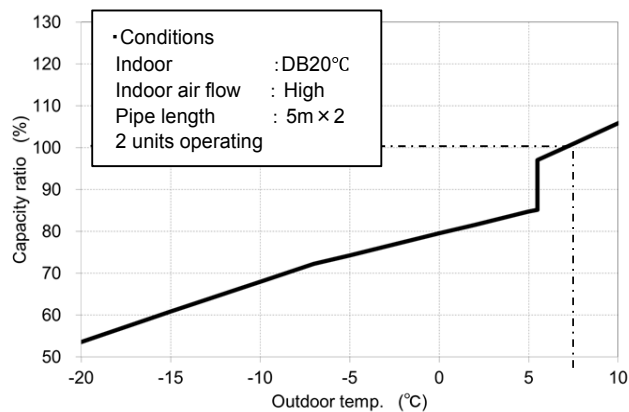
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<Heating>

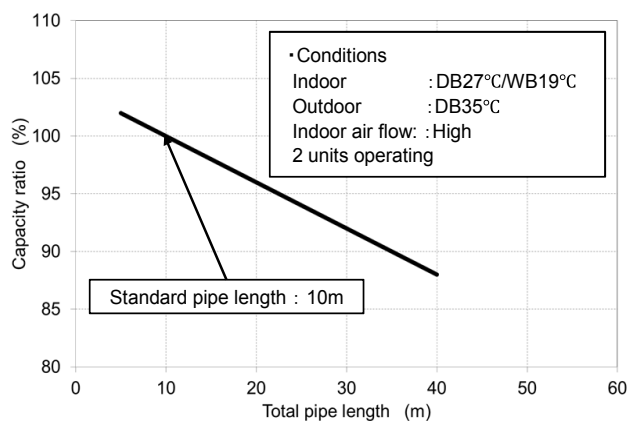
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Capacity variation ratio according to pipe length

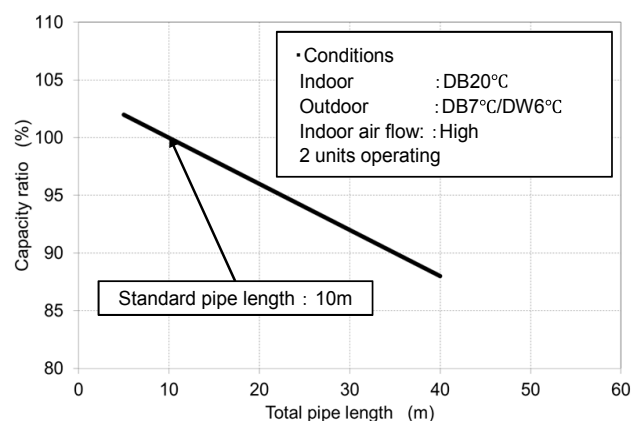
<Cooling>

RAS-2M14U2AVG-E / TR



<Heating>

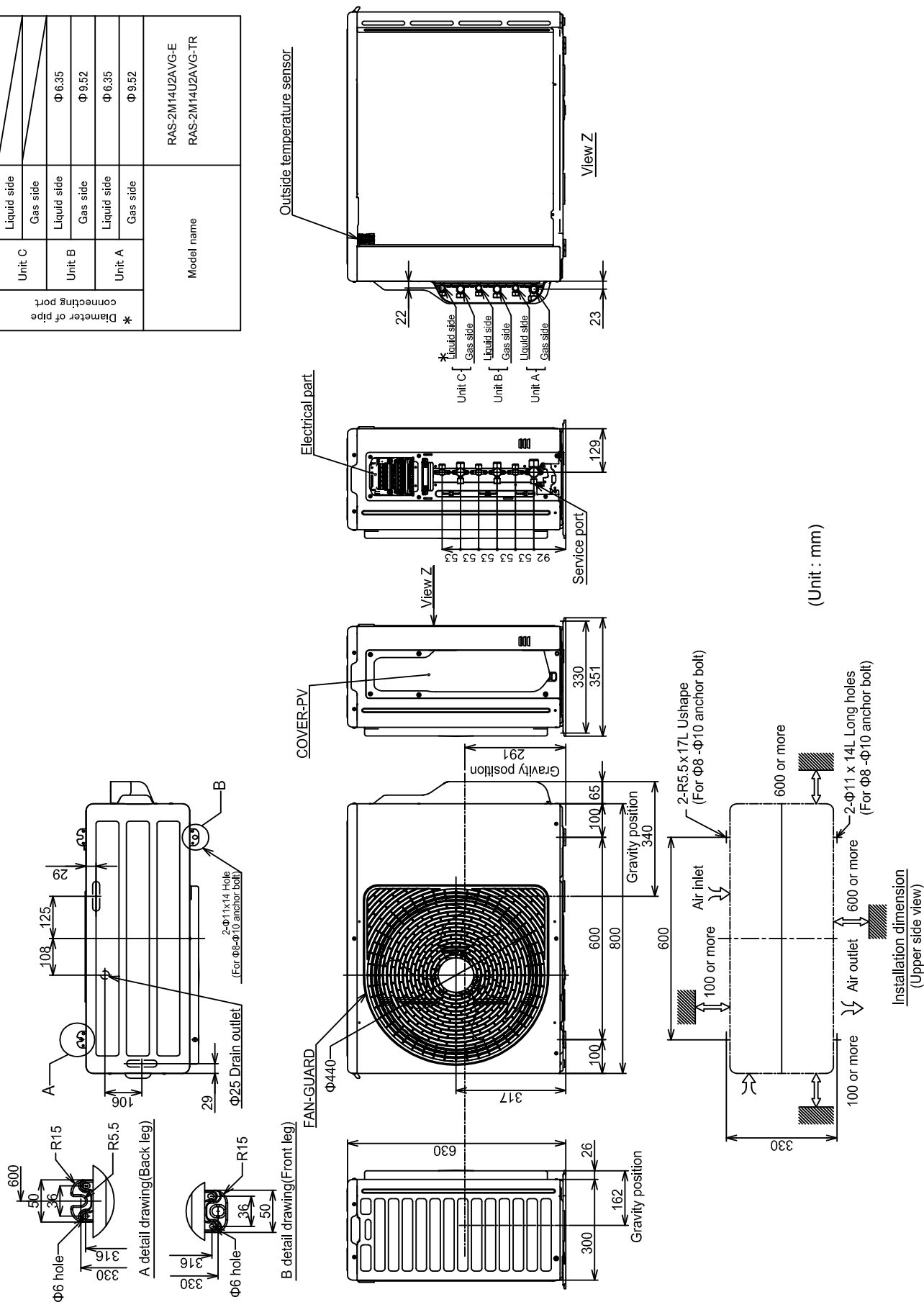
RAS-2M14U2AVG-E / TR



4. Dimension

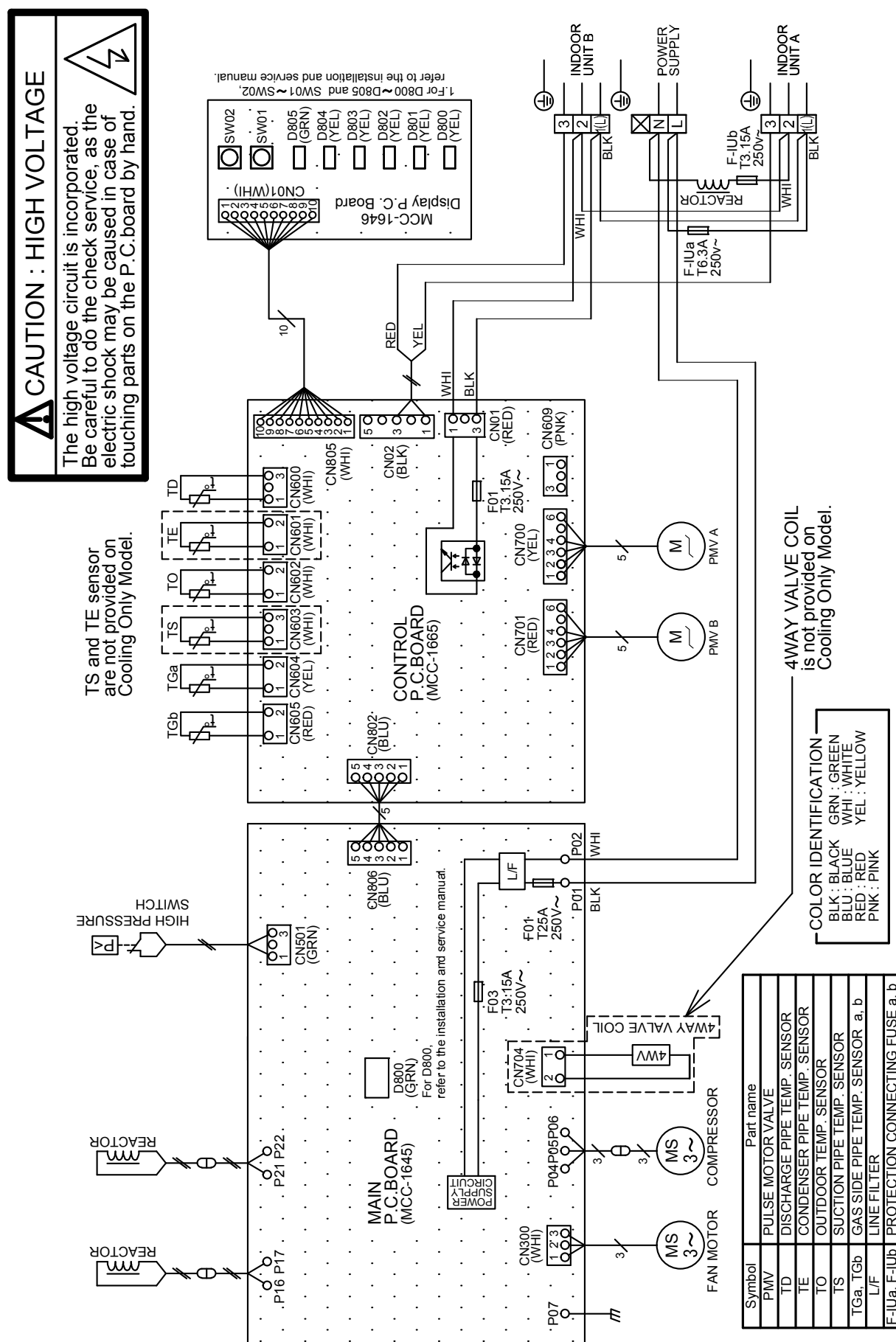
RAS-2M14U2AVG-E / TR

* Diameter of pipe connecting port	Unit C	Liquid side	
		Gas side	
	Unit B	Liquid side	Φ 6.35
		Gas side	Φ 9.52
	Unit A	Liquid side	Φ 6.35
		Gas side	Φ 9.52
Model name		RAS-2M14U2AVG-E RAS-2M14U2AVG-TR	



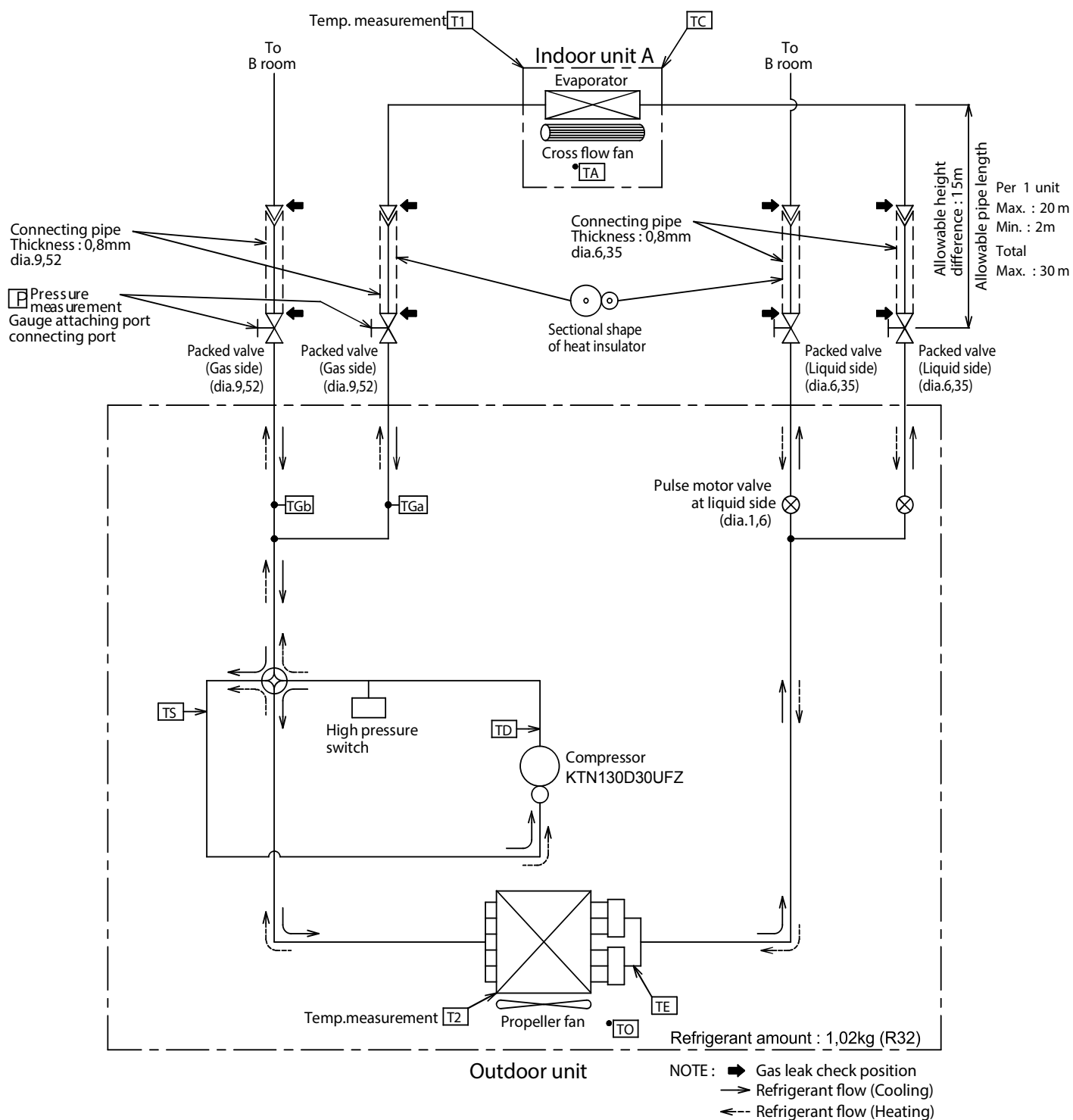
5. Wiring Diagrams

RAS-2M14U2AVG-E / TR



6. REFRIGERANT CYCLE DIAGRAM

RAS-2M14U2AVG-E / TR



NOTE:

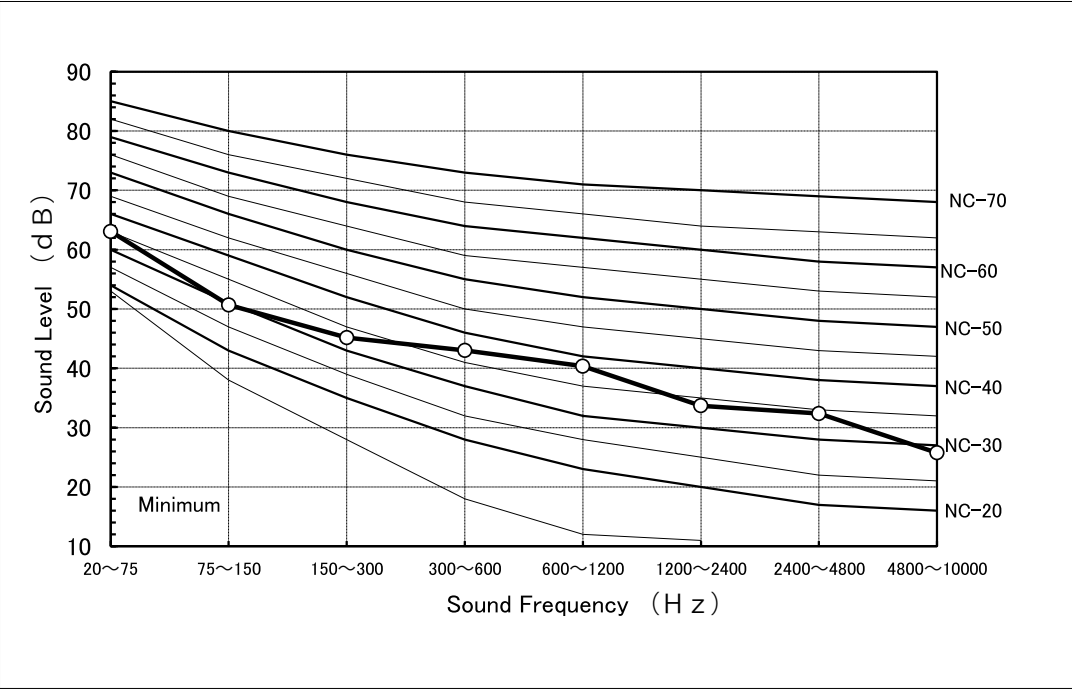
- You need not add refrigerant if the piping length is 30m or less.
- Connection of only one indoor unit is unavailable. Two indoor units should be connected.

7. Sound Characteristics (NC Curve)

RES-2M14U2AVG-E / TR

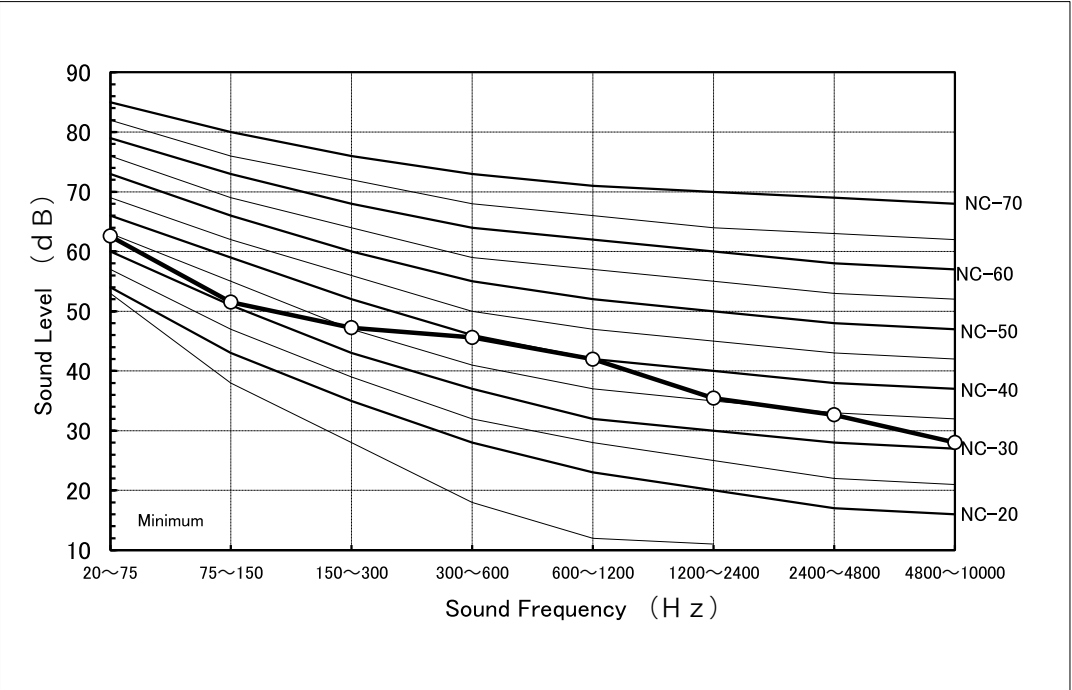
Cooling

Specification (d B)	
Fan tap	Cooling
Sound Pressure level (dB)	45



Heating

Specification (d B)	
Fan tap	Heating
Sound Pressure level (dB)	46



8. Capacity table

Cooling

2 - room multisplit : 1 - unit operation

Indoor units : 05 type
07 type
10 type
13 type

Outdoor unit : RAS-2M14U2AVG-E / TR

Combination (Capacity)	Outdoor air temp.	Indoor air temp. [°C WB]											
		14		16		18		19		22		24	
	[°C DB]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]
05	46	1.17	0.34	1.24	0.34	1.31	0.35	1.35	0.35	1.45	0.36	1.52	0.36
	43	1.22	0.33	1.28	0.33	1.35	0.34	1.39	0.34	1.49	0.35	1.56	0.35
	40	1.26	0.32	1.33	0.32	1.40	0.33	1.43	0.33	1.53	0.34	1.60	0.34
	35	1.33	0.30	1.40	0.30	1.47	0.31	1.50	0.31	1.60	0.32	1.67	0.32
	32	1.37	0.29	1.44	0.29	1.51	0.30	1.54	0.30	1.65	0.31	1.72	0.31
	25	1.47	0.26	1.54	0.27	1.61	0.27	1.64	0.28	1.74	0.28	1.81	0.29
	22	1.51	0.25	1.58	0.26	1.65	0.26	1.68	0.26	1.78	0.27	1.86	0.28
07	46	1.56	0.46	1.66	0.47	1.75	0.47	1.80	0.48	1.93	0.49	2.03	0.49
	43	1.62	0.45	1.71	0.45	1.81	0.46	1.85	0.46	1.99	0.47	2.08	0.48
	40	1.68	0.43	1.77	0.44	1.86	0.44	1.91	0.45	2.05	0.46	2.14	0.46
	35	1.77	0.40	1.86	0.41	1.95	0.42	2.00	0.42	2.14	0.43	2.23	0.44
	32	1.83	0.39	1.92	0.40	2.01	0.41	2.06	0.41	2.19	0.42	2.29	0.42
	25	1.96	0.36	2.05	0.36	2.14	0.37	2.19	0.37	2.32	0.39	2.42	0.39
	22	2.01	0.34	2.10	0.35	2.20	0.36	2.24	0.36	2.38	0.37	2.47	0.37
10	46	2.11	0.70	2.24	0.71	2.36	0.72	2.42	0.73	2.61	0.74	2.74	0.75
	43	2.19	0.68	2.31	0.69	2.44	0.70	2.50	0.70	2.69	0.72	2.81	0.73
	40	2.26	0.66	2.39	0.67	2.51	0.68	2.58	0.68	2.76	0.70	2.89	0.71
	35	2.39	0.61	2.51	0.62	2.64	0.63	2.70	0.64	2.89	0.65	3.01	0.66
	32	2.46	0.60	2.59	0.61	2.71	0.62	2.78	0.62	2.96	0.64	3.09	0.65
	25	2.64	0.55	2.77	0.55	2.89	0.57	2.95	0.57	3.14	0.59	3.26	0.59
	22	2.72	0.52	2.84	0.53	2.97	0.55	3.03	0.55	3.21	0.57	3.34	0.57
13	46	2.90	1.15	3.07	1.17	3.24	1.18	3.32	1.19	3.58	1.22	3.75	1.23
	43	3.00	1.11	3.17	1.13	3.34	1.15	3.43	1.16	3.68	1.18	3.85	1.20
	40	3.10	1.08	3.27	1.09	3.44	1.11	3.53	1.12	3.78	1.14	3.96	1.16
	35	3.27	1.01	3.44	1.02	3.61	1.04	3.70	1.05	3.96	1.07	4.13	1.09
	32	3.38	0.98	3.55	0.99	3.72	1.02	3.81	1.02	4.06	1.05	4.23	1.06
	25	3.62	0.89	3.79	0.91	3.96	0.93	4.05	0.93	4.30	0.96	4.47	0.97
	22	3.72	0.86	3.89	0.87	4.06	0.90	4.15	0.89	4.40	0.93	4.58	0.94

TC : Total capacity [kW]

PI : Power input [kW]

Cooling

2 - room multisplit : 2 - unit operation

Indoor units : 05 type + 05 type 07 type + 07 type
 07 type + 05 type 10 type + 07 type
 10 type + 05 type 13 type + 07 type
 13 type + 05 type 10 type + 10 type

Outdoor unit : RAS-2M14U2AVG-E / TR

Combination (Capacity)	Outdoor air temp. [°C DB]	Indoor air temp. [°C WB]											
		14		16		18		19		22		24	
		TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]
05+05	46	2.35	1.00	2.49	1.01	2.62	1.02	2.69	1.03	2.90	1.05	3.04	1.07
	43	2.43	0.97	2.57	0.98	2.71	0.99	2.78	1.00	2.98	1.02	3.12	1.04
	40	2.51	0.93	2.65	0.95	2.79	0.96	2.86	0.97	3.07	0.99	3.21	1.00
	35	2.65	0.87	2.79	0.89	2.93	0.90	3.00	0.91	3.21	0.93	3.35	0.95
	32	2.74	0.85	2.88	0.86	3.02	0.88	3.09	0.88	3.29	0.91	3.43	0.92
	25	2.93	0.78	3.07	0.78	3.21	0.81	3.28	0.81	3.49	0.84	3.63	0.84
	22	3.02	0.74	3.16	0.75	3.30	0.78	3.36	0.78	3.57	0.80	3.71	0.81
07+05	46	2.74	1.05	2.90	1.07	3.06	1.08	3.14	1.09	3.38	1.11	3.55	1.13
	43	2.84	1.02	3.00	1.03	3.16	1.05	3.24	1.06	3.48	1.08	3.64	1.09
	40	2.93	0.99	3.10	1.00	3.26	1.02	3.34	1.02	3.58	1.05	3.74	1.06
	35	3.10	0.92	3.26	0.94	3.42	0.95	3.50	0.96	3.74	0.98	3.90	1.00
	32	3.19	0.90	3.36	0.91	3.52	0.93	3.60	0.93	3.84	0.96	4.00	0.97
	25	3.42	0.82	3.58	0.83	3.75	0.85	3.83	0.85	4.07	0.88	4.23	0.89
	22	3.52	0.78	3.68	0.79	3.84	0.82	3.93	0.82	4.16	0.85	4.33	0.86
10+05	46	3.13	1.13	3.31	1.14	3.50	1.16	3.59	1.17	3.87	1.19	4.05	1.21
	43	3.24	1.09	3.43	1.11	3.61	1.12	3.70	1.13	3.98	1.16	4.17	1.17
	40	3.35	1.06	3.54	1.07	3.72	1.09	3.82	1.10	4.09	1.12	4.28	1.14
	35	3.54	0.99	3.72	1.01	3.91	1.02	4.00	1.03	4.28	1.05	4.46	1.07
	32	3.65	0.96	3.84	0.97	4.02	1.00	4.11	1.00	4.39	1.03	4.57	1.04
	25	3.91	0.88	4.10	0.89	4.28	0.91	4.37	0.91	4.65	0.95	4.84	0.95
	22	4.02	0.84	4.21	0.85	4.39	0.88	4.49	0.88	4.76	0.91	4.95	0.92
13+05	46	3.13	1.05	3.31	1.07	3.50	1.08	3.59	1.09	3.87	1.11	4.05	1.13
	43	3.24	1.02	3.43	1.03	3.61	1.05	3.70	1.06	3.98	1.08	4.17	1.09
	40	3.35	0.99	3.54	1.00	3.72	1.02	3.82	1.02	4.09	1.05	4.28	1.06
	35	3.54	0.92	3.72	0.94	3.91	0.95	4.00	0.96	4.28	0.98	4.46	1.00
	32	3.65	0.90	3.84	0.91	4.02	0.93	4.11	0.93	4.39	0.96	4.57	0.97
	25	3.91	0.82	4.10	0.83	4.28	0.85	4.37	0.85	4.65	0.88	4.84	0.89
	22	4.02	0.78	4.21	0.79	4.39	0.82	4.49	0.82	4.76	0.85	4.95	0.86
07+07	46	3.13	1.13	3.31	1.14	3.50	1.16	3.59	1.17	3.87	1.19	4.05	1.21
	43	3.24	1.09	3.43	1.11	3.61	1.12	3.70	1.13	3.98	1.16	4.17	1.17
	40	3.35	1.06	3.54	1.07	3.72	1.09	3.82	1.10	4.09	1.12	4.28	1.14
	35	3.54	0.99	3.72	1.01	3.91	1.02	4.00	1.03	4.28	1.05	4.46	1.07
	32	3.65	0.96	3.84	0.97	4.02	1.00	4.11	1.00	4.39	1.03	4.57	1.04
	25	3.91	0.88	4.10	0.89	4.28	0.91	4.37	0.91	4.65	0.95	4.84	0.95
	22	4.02	0.84	4.21	0.85	4.39	0.88	4.49	0.88	4.76	0.91	4.95	0.92
10+07	46	3.13	1.05	3.31	1.07	3.50	1.08	3.59	1.09	3.87	1.11	4.05	1.13
	43	3.24	1.02	3.43	1.03	3.61	1.05	3.70	1.06	3.98	1.08	4.17	1.09
	40	3.35	0.99	3.54	1.00	3.72	1.02	3.82	1.02	4.09	1.05	4.28	1.06
	35	3.54	0.92	3.72	0.94	3.91	0.95	4.00	0.96	4.28	0.98	4.46	1.00
	32	3.65	0.90	3.84	0.91	4.02	0.93	4.11	0.93	4.39	0.96	4.57	0.97
	25	3.91	0.82	4.10	0.83	4.28	0.85	4.37	0.85	4.65	0.88	4.84	0.89
	22	4.02	0.78	4.21	0.79	4.39	0.82	4.49	0.82	4.76	0.85	4.95	0.86
13+07	46	3.13	1.03	3.31	1.04	3.50	1.06	3.59	1.07	3.87	1.09	4.05	1.10
	43	3.24	1.00	3.43	1.01	3.61	1.03	3.70	1.03	3.98	1.06	4.17	1.07
	40	3.35	0.96	3.54	0.98	3.72	0.99	3.82	1.00	4.09	1.02	4.28	1.04
	35	3.54	0.90	3.72	0.92	3.91	0.93	4.00	0.94	4.28	0.96	4.46	0.98
	32	3.65	0.88	3.84	0.89	4.02	0.91	4.11	0.91	4.39	0.94	4.57	0.95
	25	3.91	0.80	4.10	0.81	4.28	0.83	4.37	0.83	4.65	0.86	4.84	0.87
	22	4.02	0.77	4.21	0.78	4.39	0.80	4.49	0.80	4.76	0.83	4.95	0.84
10+10	46	3.13	1.03	3.31	1.04	3.50	1.06	3.59	1.07	3.87	1.09	4.05	1.10
	43	3.24	1.00	3.43	1.01	3.61	1.03	3.70	1.03	3.98	1.06	4.17	1.07
	40	3.35	0.96	3.54	0.98	3.72	0.99	3.82	1.00	4.09	1.02	4.28	1.04
	35	3.54	0.90	3.72	0.92	3.91	0.93	4.00	0.94	4.28	0.96	4.46	0.98
	32	3.65	0.88	3.84	0.89	4.02	0.91	4.11	0.91	4.39	0.94	4.57	0.95
	25	3.91	0.80	4.10	0.81	4.28	0.83	4.37	0.83	4.65	0.86	4.84	0.87
	22	4.02	0.77	4.21	0.78	4.39	0.80	4.49	0.80	4.76	0.83	4.95	0.84

TC : Total capacity [kW]

PI : Power input [kW]

Cooling

2 - room multisplit : 2 - unit operation

Indoor units : 13 type + 10 type
13 type + 13 type

Outdoor unit : RAS-2M14U2AVG-E / TR

Combination (Capacity)	Outdoor air temp. [°C DB]	Indoor air temp. [°C WB]											
		14		16		18		19		22		24	
		TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]
13+10	46	3.13	1.02	3.31	1.03	3.50	1.05	3.59	1.06	3.87	1.08	4.05	1.09
	43	3.24	0.99	3.43	1.00	3.61	1.02	3.70	1.02	3.98	1.04	4.17	1.06
	40	3.35	0.95	3.54	0.97	3.72	0.98	3.82	0.99	4.09	1.01	4.28	1.03
	35	3.54	0.89	3.72	0.91	3.91	0.92	4.00	0.93	4.28	0.95	4.46	0.97
	32	3.65	0.87	3.84	0.88	4.02	0.90	4.11	0.90	4.39	0.93	4.57	0.94
	25	3.91	0.79	4.10	0.80	4.28	0.82	4.37	0.83	4.65	0.85	4.84	0.86
	22	4.02	0.76	4.21	0.77	4.39	0.79	4.49	0.79	4.76	0.82	4.95	0.83
13+13	46	3.13	1.01	3.31	1.02	3.50	1.04	3.59	1.05	3.87	1.07	4.05	1.08
	43	3.24	0.98	3.43	0.99	3.61	1.00	3.70	1.01	3.98	1.03	4.17	1.05
	40	3.35	0.94	3.54	0.96	3.72	0.97	3.82	0.98	4.09	1.00	4.28	1.02
	35	3.54	0.88	3.72	0.90	3.91	0.91	4.00	0.92	4.28	0.94	4.46	0.96
	32	3.65	0.86	3.84	0.87	4.02	0.89	4.11	0.89	4.39	0.92	4.57	0.93
	25	3.91	0.78	4.10	0.79	4.28	0.82	4.37	0.82	4.65	0.84	4.84	0.85
	22	4.02	0.75	4.21	0.76	4.39	0.78	4.49	0.78	4.76	0.81	4.95	0.82

TC : Total capacity [kW]

PI : Power input [kW]

Heating

2 - room multisplit : 1 - unit operation

Indoor units : 05 type
 07 type
 10 type
 13 type

Outdoor unit : RAS-2M14U2AVG-E / TR

Combination (Capacity)	Outdoor air temp. [°C WB]	Indoor air temp. [°C DB]											
		16		18		20		21		22		24	
		TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]
05	15	2.46	0.47	2.43	0.47	2.41	0.47	2.39	0.47	2.38	0.47	2.35	0.48
	10	2.24	0.45	2.21	0.45	2.18	0.45	2.17	0.46	2.15	0.46	2.12	0.46
	6	2.06	0.43	2.03	0.44	2.00	0.44	1.99	0.44	1.97	0.44	1.94	0.44
	0	1.78	0.41	1.76	0.41	1.73	0.42	1.72	0.42	1.70	0.42	1.67	0.42
	-5	1.56	0.39	1.53	0.40	1.50	0.40	1.49	0.40	1.48	0.40	1.45	0.40
	-10	1.33	0.38	1.31	0.38	1.28	0.38	1.26	0.38	1.25	0.38	1.22	0.39
	-15	1.11	0.36	1.08	0.36	1.05	0.36	1.04	0.36	1.02	0.36	1.00	0.37
07	15	3.32	0.65	3.29	0.65	3.25	0.66	3.23	0.66	3.21	0.66	3.17	0.66
	10	3.02	0.62	2.98	0.62	2.94	0.63	2.92	0.63	2.91	0.63	2.87	0.64
	6	2.77	0.60	2.74	0.60	2.70	0.61	2.68	0.61	2.66	0.61	2.62	0.62
	0	2.41	0.57	2.37	0.57	2.33	0.58	2.32	0.58	2.30	0.58	2.26	0.59
	-5	2.10	0.55	2.07	0.55	2.03	0.55	2.01	0.56	1.99	0.56	1.96	0.56
	-10	1.80	0.52	1.76	0.52	1.73	0.53	1.71	0.53	1.69	0.53	1.65	0.53
	-15	1.49	0.50	1.46	0.50	1.42	0.50	1.40	0.51	1.38	0.51	1.35	0.51
10	15	4.92	1.11	4.87	1.12	4.81	1.13	4.79	1.13	4.76	1.13	4.70	1.14
	10	4.47	1.07	4.42	1.07	4.36	1.09	4.33	1.09	4.31	1.09	4.25	1.10
	6	4.11	1.03	4.05	1.04	4.00	1.05	3.97	1.05	3.94	1.05	3.89	1.06
	0	3.57	0.98	3.51	0.99	3.46	1.00	3.43	1.00	3.40	1.00	3.35	1.01
	-5	3.12	0.94	3.06	0.95	3.01	0.96	2.98	0.96	2.95	0.96	2.90	0.96
	-10	2.67	0.90	2.61	0.90	2.56	0.91	2.53	0.91	2.50	0.91	2.44	0.92
	-15	2.21	0.85	2.16	0.86	2.10	0.87	2.08	0.87	2.05	0.87	1.99	0.88
13	15	5.42	1.43	5.35	1.44	5.29	1.45	5.26	1.46	5.23	1.46	5.17	1.47
	10	4.92	1.37	4.86	1.38	4.80	1.40	4.77	1.40	4.74	1.40	4.67	1.41
	6	4.52	1.33	4.46	1.34	4.40	1.35	4.37	1.35	4.34	1.35	4.28	1.36
	0	3.93	1.26	3.87	1.27	3.80	1.28	3.77	1.29	3.74	1.29	3.68	1.30
	-5	3.43	1.21	3.37	1.22	3.31	1.23	3.28	1.23	3.25	1.23	3.19	1.24
	-10	2.93	1.15	2.87	1.16	2.81	1.17	2.78	1.18	2.75	1.18	2.69	1.18
	-15	2.44	1.10	2.38	1.11	2.32	1.12	2.28	1.12	2.25	1.12	2.19	1.13

TC : Total capacity [kW]

PI : Power input [kW]

Heating

2 - room multisplit : 2 - unit operation

Indoor units : 05 type + 05 type

07 type + 05 type

10 type + 05 type

13 type + 05 type

07 type + 07 type

10 type + 07 type

13 type + 07 type

10 type + 10 type

Outdoor unit : RAS-2M14U2AVG-E / TR

Combination (Capacity)	Outdoor air temp. [°C WB]	Indoor air temp. [°C DB]											
		16		18		20		21		22		24	
		TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]
05+05	15	4.92	0.97	4.87	0.98	4.81	0.99	4.79	0.99	4.76	0.99	4.70	1.00
	10	4.47	0.94	4.42	0.94	4.36	0.95	4.33	0.95	4.31	0.95	4.25	0.96
	6	4.11	0.90	4.05	0.91	4.00	0.92	3.97	0.92	3.94	0.92	3.89	0.93
	0	3.57	0.86	3.51	0.87	3.46	0.88	3.43	0.88	3.40	0.88	3.35	0.88
	-5	3.12	0.82	3.06	0.83	3.01	0.84	2.98	0.84	2.95	0.84	2.90	0.84
	-10	2.67	0.79	2.61	0.79	2.56	0.80	2.53	0.80	2.50	0.80	2.44	0.81
	-15	2.21	0.75	2.16	0.75	2.10	0.76	2.08	0.76	2.05	0.76	1.99	0.77
07+05	15	5.42	1.02	5.35	1.02	5.29	1.03	5.26	1.04	5.23	1.04	5.17	1.04
	10	4.92	0.98	4.86	0.98	4.80	0.99	4.77	1.00	4.74	1.00	4.67	1.00
	6	4.52	0.94	4.46	0.95	4.40	0.96	4.37	0.96	4.34	0.96	4.28	0.97
	0	3.93	0.90	3.87	0.90	3.80	0.91	3.77	0.92	3.74	0.92	3.68	0.92
	-5	3.43	0.86	3.37	0.86	3.31	0.87	3.28	0.88	3.25	0.88	3.19	0.88
	-10	2.93	0.82	2.87	0.83	2.81	0.83	2.78	0.84	2.75	0.84	2.69	0.84
	-15	2.44	0.78	2.38	0.79	2.32	0.79	2.28	0.80	2.25	0.80	2.19	0.80
10+05	15	5.42	1.02	5.35	1.02	5.29	1.03	5.26	1.04	5.23	1.04	5.17	1.04
	10	4.92	0.98	4.86	0.98	4.80	0.99	4.77	1.00	4.74	1.00	4.67	1.00
	6	4.52	0.94	4.46	0.95	4.40	0.96	4.37	0.96	4.34	0.96	4.28	0.97
	0	3.93	0.90	3.87	0.90	3.80	0.91	3.77	0.92	3.74	0.92	3.68	0.92
	-5	3.43	0.86	3.37	0.86	3.31	0.87	3.28	0.88	3.25	0.88	3.19	0.88
	-10	2.93	0.82	2.87	0.83	2.81	0.83	2.78	0.84	2.75	0.84	2.69	0.84
	-15	2.44	0.78	2.38	0.79	2.32	0.79	2.28	0.80	2.25	0.80	2.19	0.80
13+05	15	5.42	1.00	5.35	1.01	5.29	1.02	5.26	1.02	5.23	1.02	5.17	1.03
	10	4.92	0.97	4.86	0.97	4.80	0.98	4.77	0.99	4.74	0.99	4.67	0.99
	6	4.52	0.93	4.46	0.94	4.40	0.95	4.37	0.95	4.34	0.95	4.28	0.96
	0	3.93	0.89	3.87	0.89	3.80	0.90	3.77	0.91	3.74	0.91	3.68	0.91
	-5	3.43	0.85	3.37	0.86	3.31	0.86	3.28	0.87	3.25	0.87	3.19	0.87
	-10	2.93	0.81	2.87	0.82	2.81	0.83	2.78	0.83	2.75	0.83	2.69	0.83
	-15	2.44	0.77	2.38	0.78	2.32	0.79	2.28	0.79	2.25	0.79	2.19	0.79
07+07	15	5.42	1.02	5.35	1.02	5.29	1.03	5.26	1.04	5.23	1.04	5.17	1.04
	10	4.92	0.98	4.86	0.98	4.80	0.99	4.77	1.00	4.74	1.00	4.67	1.00
	6	4.52	0.94	4.46	0.95	4.40	0.96	4.37	0.96	4.34	0.96	4.28	0.97
	0	3.93	0.90	3.87	0.90	3.80	0.91	3.77	0.92	3.74	0.92	3.68	0.92
	-5	3.43	0.86	3.37	0.86	3.31	0.87	3.28	0.88	3.25	0.88	3.19	0.88
	-10	2.93	0.82	2.87	0.83	2.81	0.83	2.78	0.84	2.75	0.84	2.69	0.84
	-15	2.44	0.78	2.38	0.79	2.32	0.79	2.28	0.80	2.25	0.80	2.19	0.80
10+07	15	5.42	1.00	5.35	1.01	5.29	1.02	5.26	1.02	5.23	1.02	5.17	1.03
	10	4.92	0.97	4.86	0.97	4.80	0.98	4.77	0.99	4.74	0.99	4.67	0.99
	6	4.52	0.93	4.46	0.94	4.40	0.95	4.37	0.95	4.34	0.95	4.28	0.96
	0	3.93	0.89	3.87	0.89	3.80	0.90	3.77	0.91	3.74	0.91	3.68	0.91
	-5	3.43	0.85	3.37	0.86	3.31	0.86	3.28	0.87	3.25	0.87	3.19	0.87
	-10	2.93	0.81	2.87	0.82	2.81	0.83	2.78	0.83	2.75	0.83	2.69	0.83
	-15	2.44	0.77	2.38	0.78	2.32	0.79	2.28	0.79	2.25	0.79	2.19	0.79
13+07	15	5.42	0.97	5.35	0.98	5.29	0.99	5.26	0.99	5.23	0.99	5.17	1.00
	10	4.92	0.94	4.86	0.94	4.80	0.95	4.77	0.95	4.74	0.95	4.67	0.96
	6	4.52	0.90	4.46	0.91	4.40	0.92	4.37	0.92	4.34	0.92	4.28	0.93
	0	3.93	0.86	3.87	0.87	3.80	0.88	3.77	0.88	3.74	0.88	3.68	0.88
	-5	3.43	0.82	3.37	0.83	3.31	0.84	3.28	0.84	3.25	0.84	3.19	0.84
	-10	2.93	0.79	2.87	0.79	2.81	0.80	2.78	0.80	2.75	0.80	2.69	0.81
	-15	2.44	0.75	2.38	0.75	2.32	0.76	2.28	0.76	2.25	0.76	2.19	0.77
10+10	15	5.42	0.98	5.35	0.99	5.29	1.00	5.26	1.00	5.23	1.00	5.17	1.01
	10	4.92	0.95	4.86	0.95	4.80	0.96	4.77	0.96	4.74	0.96	4.67	0.97
	6	4.52	0.91	4.46	0.92	4.40	0.93	4.37	0.93	4.34	0.93	4.28	0.94
	0	3.93	0.87	3.87	0.88	3.80	0.88	3.77	0.89	3.74	0.89	3.68	0.89
	-5	3.43	0.83	3.37	0.84	3.31	0.85	3.28	0.85	3.25	0.85	3.19	0.85
	-10	2.93	0.79	2.87	0.80	2.81	0.81	2.78	0.81	2.75	0.81	2.69	0.82
	-15	2.44	0.76	2.38	0.76	2.32	0.77	2.28	0.77	2.25	0.77	2.19	0.78

TC : Total capacity [kW]

PI : Power input [kW]

Heating

2 - room multisplit : 2 - unit operation

Indoor units : 13 type + 10 type
13 type + 13 type

Outdoor unit : RAS-2M14U2AVG-E / TR

Combination (Capacity)	Outdoor air temp. [°C WB]	Indoor air temp. [°C DB]											
		16		18		20		21		22		24	
		TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]	TC [kW]	PI [kW]
13+10	15	5.42	0.96	5.35	0.97	5.29	0.98	5.26	0.98	5.23	0.98	5.17	0.99
	10	4.92	0.93	4.86	0.93	4.80	0.94	4.77	0.94	4.74	0.94	4.67	0.95
	6	4.52	0.90	4.46	0.90	4.40	0.91	4.37	0.91	4.34	0.91	4.28	0.92
	0	3.93	0.85	3.87	0.86	3.80	0.87	3.77	0.87	3.74	0.87	3.68	0.87
	-5	3.43	0.81	3.37	0.82	3.31	0.83	3.28	0.83	3.25	0.83	3.19	0.84
	-10	2.93	0.78	2.87	0.78	2.81	0.79	2.78	0.79	2.75	0.79	2.69	0.80
	-15	2.44	0.74	2.38	0.75	2.32	0.75	2.28	0.75	2.25	0.75	2.19	0.76
13+13	15	5.42	0.94	5.35	0.95	5.29	0.96	5.26	0.96	5.23	0.96	5.17	0.97
	10	4.92	0.91	4.86	0.91	4.80	0.92	4.77	0.92	4.74	0.92	4.67	0.93
	6	4.52	0.88	4.46	0.88	4.40	0.89	4.37	0.89	4.34	0.89	4.28	0.90
	0	3.93	0.83	3.87	0.84	3.80	0.85	3.77	0.85	3.74	0.85	3.68	0.85
	-5	3.43	0.80	3.37	0.80	3.31	0.81	3.28	0.81	3.25	0.81	3.19	0.82
	-10	2.93	0.76	2.87	0.77	2.81	0.77	2.78	0.78	2.75	0.78	2.69	0.78
	-15	2.44	0.72	2.38	0.73	2.32	0.74	2.28	0.74	2.25	0.74	2.19	0.74

TC : Total capacity [kW]

PI : Power input [kW]

9. Part Load Performance

Outdoor unit : RAS-2M14U2AVG-E, RAS-2M14U2AVG-TR

1-Indoor unit connection (Type : 05)

Compressor Speed	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	1200	240	900	190
RATING	1500	310	2000	440
MAXIMUM	1800	380	2500	580

Cooling Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	1250	1120	1000	1000	1000	1000	1000	1000	1000	1000
	W	380	340	300	300	300	300	300	300	300	300
43	Q	1320	1180	1050	1050	1050	1050	1050	1050	1050	1050
	W	360	330	280	280	280	280	280	280	280	280
40	Q	1380	1250	1110	1110	1110	1110	1110	1110	1110	1110
	W	340	310	270	270	270	270	270	270	270	270
35	Q	1500	1350	1200	1200	1200	1200	1200	1200	1200	1200
	W	310	280	240	240	240	240	240	240	240	240
30	Q	1540	1390	1230	1230	1230	1230	1230	1230	1230	1230
	W	280	250	210	210	210	210	210	210	210	210
25	Q	1580	1430	1260	1260	1260	1260	1260	1260	1260	1260
	W	250	220	190	190	190	190	190	190	190	190
20	Q	1630	1470	1300	1300	1300	1300	1300	1300	1300	1300
	W	220	200	160	160	160	160	160	160	160	160
15	Q	1670	1510	1330	1330	1330	1330	1330	1330	1330	1330
	W	190	170	140	140	140	140	140	140	140	140
10	Q	1720	1550	1370	1370	1370	1370	1370	1370	1370	1370
	W	180	160	130	130	130	130	130	130	130	130
5	Q	1770	1600	1410	1410	1410	1410	1410	1410	1410	1410
	W	170	160	130	130	130	130	130	130	130	130
0	Q	1810	1640	1450	1450	1450	1450	1450	1450	1450	1450
	W	170	150	120	120	120	120	120	120	120	120
-5	Q	1590	1450	1270	1270	1270	1270	1270	1270	1270	1270
	W	260	220	180	180	180	180	180	180	180	180
-10	Q	1590	1450	1280	1280	1280	1280	1280	1280	1280	1280
	W	260	220	180	180	180	180	180	180	180	180

Heating Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
20	Q	2510	2260	2010	1760	1510	1260	1130	1130	1130	1130
	W	480	430	390	330	290	230	210	210	210	210
15	Q	2320	2080	1850	1620	1390	1160	1040	1040	1040	1040
	W	470	410	370	320	280	220	200	200	200	200
10	Q	2120	1910	1690	1480	1270	1060	950	950	950	950
	W	450	400	360	310	270	210	190	190	190	190
7	Q	2000	1800	1600	1400	1200	1000	900	900	900	900
	W	440	390	350	300	260	210	190	190	190	190
5.5	Q	1710	1540	1370	1190	1020	850	770	770	770	770
	W	410	360	330	280	240	200	180	180	180	180
5	Q	1700	1530	1360	1180	1010	840	770	770	770	770
	W	410	360	330	280	240	200	180	180	180	180
2	Q	1640	1470	1310	1140	980	810	740	740	740	740
	W	420	370	330	290	250	200	180	180	180	180
0	Q	1600	1430	1280	1110	950	790	720	720	720	720
	W	420	370	330	290	250	200	180	180	180	180
-5	Q	1490	1340	1190	1040	890	740	670	670	670	670
	W	430	380	340	300	260	210	190	190	190	190
-7	Q	1450	1300	1160	1010	870	720	650	650	650	650
	W	430	380	340	300	260	210	190	190	190	190
-10	Q	1360	1220	1090	950	820	680	610	610	610	610
	W	420	370	330	290	250	210	190	190	190	190
-15	Q	1220	1090	980	850	730	610	550	550	550	550
	W	400	360	320	280	240	200	180	180	180	180
-20	Q	1080	970	860	750	650	530	480	480	480	480
	W	390	340	310	270	230	190	170	170	170	170

Outdoor unit : RAS-2M14U2AVG-E, RAS-2M14U2AVG-TR

1-Indoor unit connection (Type : 07)

Compressor Speed	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	1300	240	900	190
RATING	2000	420	2700	610
MAXIMUM	2500	590	3400	820

Cooling Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	1660	1500	1330	1160	1080	1080	1080	1080	1080	1080
	W	520	460	390	330	300	300	300	300	300	300
43	Q	1750	1580	1400	1230	1140	1140	1140	1140	1140	1140
	W	490	430	370	320	280	280	280	280	280	280
40	Q	1850	1660	1480	1290	1200	1200	1200	1200	1200	1200
	W	460	410	350	300	270	270	270	270	270	270
35	Q	2000	1800	1600	1400	1300	1300	1300	1300	1300	1300
	W	420	370	320	270	240	240	240	240	240	240
30	Q	2060	1850	1640	1440	1340	1340	1340	1340	1340	1340
	W	380	330	290	240	210	210	210	210	210	210
25	Q	2120	1900	1690	1480	1380	1380	1380	1380	1380	1380
	W	340	290	260	210	190	190	190	190	190	190
20	Q	2180	1950	1730	1520	1420	1420	1420	1420	1420	1420
	W	300	260	230	190	160	160	160	160	160	160
15	Q	2230	2010	1780	1560	1450	1450	1450	1450	1450	1450
	W	260	220	190	160	140	140	140	140	140	140
10	Q	2290	2070	1830	1610	1490	1490	1490	1490	1490	1490
	W	250	210	180	150	130	130	130	130	130	130
5	Q	2360	2130	1880	1650	1530	1530	1530	1530	1530	1530
	W	240	200	170	150	130	130	130	130	130	130
0	Q	2420	2180	1930	1700	1580	1580	1580	1580	1580	1580
	W	230	190	170	140	120	120	120	120	120	120
-5	Q	2130	1920	1700	1500	1390	1390	1390	1390	1390	1390
	W	350	290	260	210	180	180	180	180	180	180
-10	Q	2140	1920	1700	1500	1390	1390	1390	1390	1390	1390
	W	340	280	260	210	180	180	180	180	180	180

Heating Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
20	Q	3390	3050	2720	2380	2040	1700	1360	1130	1130	1130
	W	670	610	530	460	400	330	250	210	210	210
15	Q	3130	2810	2500	2190	1880	1560	1250	1040	1040	1040
	W	650	580	510	450	380	320	240	200	200	200
10	Q	2860	2570	2290	2000	1720	1430	1140	950	950	950
	W	620	560	490	430	370	310	240	190	190	190
7	Q	2700	2430	2160	1890	1620	1350	1080	900	900	900
	W	610	550	480	420	360	300	230	190	190	190
5.5	Q	2300	2070	1840	1610	1380	1150	920	770	770	770
	W	570	510	450	390	340	280	210	180	180	180
5	Q	2290	2060	1830	1600	1370	1140	910	770	770	770
	W	570	510	450	390	340	280	210	180	180	180
2	Q	2200	1980	1760	1540	1320	1100	880	740	740	740
	W	580	520	460	400	340	290	220	180	180	180
0	Q	2150	1930	1720	1500	1290	1080	860	720	720	720
	W	580	520	460	400	340	290	220	180	180	180
-5	Q	2010	1810	1600	1410	1200	1010	800	670	670	670
	W	600	540	470	410	350	300	230	190	190	190
-7	Q	1950	1760	1560	1370	1170	980	780	650	650	650
	W	600	540	470	410	350	300	230	190	190	190
-10	Q	1830	1660	1470	1290	1100	920	730	610	610	610
	W	590	530	460	400	340	290	220	190	190	190
-15	Q	1640	1480	1310	1150	980	830	660	550	550	550
	W	560	510	440	380	330	280	220	180	180	180
-20	Q	1450	1310	1160	1020	870	730	580	480	480	480
	W	540	490	420	370	310	270	210	170	170	170

Outdoor unit : RAS-2M14U2AVG-E, RAS-2M14U2AVG-TR

1-Indoor unit connection (Type : 10)

Compressor Speed	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	1300	240	900	190
RATING	2700	640	4000	1050
MAXIMUM	3200	860	4800	1380

Cooling Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	2240	2020	1790	1570	1350	1120	1080	1080	1080	1080
	W	790	690	600	500	410	310	300	300	300	300
43	Q	2370	2130	1890	1660	1420	1180	1140	1140	1140	1140
	W	750	650	570	480	390	290	280	280	280	280
40	Q	2490	2240	1990	1740	1500	1250	1200	1200	1200	1200
	W	710	620	540	450	360	280	270	270	270	270
35	Q	2700	2430	2160	1890	1620	1350	1300	1300	1300	1300
	W	640	560	490	410	330	250	240	240	240	240
30	Q	2780	2500	2220	1940	1670	1390	1340	1340	1340	1340
	W	570	500	440	370	300	220	210	210	210	210
25	Q	2860	2570	2280	1990	1720	1430	1380	1380	1380	1380
	W	510	450	390	330	270	200	190	190	190	190
20	Q	2940	2640	2340	2050	1760	1470	1420	1420	1420	1420
	W	450	390	340	290	230	170	160	160	160	160
15	Q	3010	2710	2410	2100	1810	1510	1450	1450	1450	1450
	W	380	340	300	250	200	150	140	140	140	140
10	Q	3100	2790	2480	2160	1860	1550	1490	1490	1490	1490
	W	360	330	290	240	190	140	130	130	130	130
5	Q	3180	2870	2550	2220	1910	1600	1530	1530	1530	1530
	W	350	310	270	230	180	140	130	130	130	130
0	Q	3270	2940	2620	2280	1970	1640	1580	1580	1580	1580
	W	330	300	260	220	170	130	120	120	120	120
-5	Q	2870	2580	2300	2010	1730	1450	1390	1390	1390	1390
	W	510	460	400	330	260	190	180	180	180	180
-10	Q	2880	2590	2310	2010	1730	1450	1390	1390	1390	1390
	W	490	440	390	320	260	190	180	180	180	180

Heating Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
20	Q	5030	4530	4020	3520	3020	2510	2010	1510	1130	1130
	W	1160	1040	910	790	670	550	420	300	210	210
15	Q	4630	4170	3710	3240	2780	2320	1850	1390	1040	1040
	W	1120	1000	880	770	650	530	400	290	200	200
10	Q	4240	3810	3390	2970	2540	2120	1690	1270	950	950
	W	1070	960	850	740	620	510	390	280	190	190
7	Q	4000	3600	3200	2800	2400	2000	1600	1200	900	900
	W	1050	940	830	720	610	500	380	270	190	190
5.5	Q	3410	3070	2730	2390	2050	1710	1370	1020	770	770
	W	980	880	770	670	570	470	350	250	180	180
5	Q	3390	3050	2710	2380	2040	1700	1360	1010	770	770
	W	980	880	770	670	570	470	350	250	180	180
2	Q	3260	2940	2610	2290	1960	1640	1310	980	740	740
	W	990	890	780	680	580	480	360	260	180	180
0	Q	3180	2860	2550	2230	1910	1600	1280	950	720	720
	W	1000	900	790	690	580	480	360	260	180	180
-5	Q	2970	2680	2380	2090	1790	1490	1190	890	670	670
	W	1020	920	810	700	600	490	370	270	190	190
-7	Q	2890	2600	2310	2030	1740	1450	1160	870	650	650
	W	1030	930	820	710	600	490	370	270	190	190
-10	Q	2720	2450	2170	1910	1640	1360	1090	820	610	610
	W	1010	910	800	690	590	480	360	260	190	190
-15	Q	2430	2190	1940	1710	1460	1220	980	730	550	550
	W	970	870	770	670	560	460	350	250	180	180
-20	Q	2150	1930	1720	1510	1290	1080	860	650	480	480
	W	930	840	740	640	540	440	330	240	170	170

Outdoor unit : RAS-2M14U2AVG-E, RAS-2M14U2AVG-TR

1-Indoor unit connection (Type : 13)

Compressor Speed	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	1300	240	1000	210
RATING	3700	1050	4400	1350
MAXIMUM	4100	1190	5200	1410

Cooling Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	3070	2770	2460	2150	1840	1540	1230	1080	1080	1080
	W	1290	1140	980	840	680	530	370	300	300	300
43	Q	3240	2920	2600	2270	1950	1620	1300	1140	1140	1140
	W	1230	1090	930	790	640	500	350	280	280	280
40	Q	3420	3070	2730	2390	2050	1710	1370	1200	1200	1200
	W	1160	1030	880	750	610	470	330	270	270	270
35	Q	3700	3330	2960	2590	2220	1850	1480	1300	1300	1300
	W	1050	930	800	680	550	430	300	240	240	240
30	Q	3800	3420	3040	2660	2280	1900	1520	1340	1340	1340
	W	940	830	720	610	490	390	270	210	210	210
25	Q	3910	3520	3130	2730	2340	1950	1560	1380	1380	1380
	W	840	740	640	540	440	350	240	190	190	190
20	Q	4010	3610	3210	2810	2410	2010	1610	1420	1420	1420
	W	730	650	560	480	380	300	210	160	160	160
15	Q	4120	3710	3300	2880	2470	2060	1650	1450	1450	1450
	W	630	560	480	410	330	260	180	140	140	140
10	Q	4240	3820	3400	2960	2540	2120	1700	1490	1490	1490
	W	600	540	460	390	320	250	170	130	130	130
5	Q	4360	3920	3490	3050	2610	2180	1750	1530	1530	1530
	W	580	510	440	380	300	240	160	130	130	130
0	Q	4480	4030	3590	3130	2680	2240	1790	1580	1580	1580
	W	550	490	420	360	290	230	160	120	120	120
-5	Q	3930	3540	3150	2750	2360	1970	1580	1390	1390	1390
	W	840	740	640	540	440	350	240	180	180	180
-10	Q	3950	3560	3160	2760	2370	1970	1580	1390	1390	1390
	W	810	720	620	530	430	340	240	180	180	180

Heating Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
20	Q	5530	4980	4420	3870	3320	2770	2210	1660	1260	1260
	W	1490	1320	1160	1000	840	670	510	350	230	230
15	Q	5100	4590	4080	3570	3060	2550	2040	1530	1160	1160
	W	1430	1280	1120	970	810	650	490	340	220	220
10	Q	4660	4190	3730	3260	2800	2330	1860	1400	1060	1060
	W	1380	1230	1070	930	780	620	470	330	210	210
7	Q	4400	3960	3520	3080	2640	2200	1760	1320	1000	1000
	W	1350	1200	1050	910	760	610	460	320	210	210
5.5	Q	3750	3380	3000	2630	2250	1880	1500	1130	850	850
	W	1260	1120	980	850	710	570	430	300	200	200
5	Q	3730	3360	2980	2610	2240	1870	1490	1120	840	840
	W	1260	1120	980	850	710	570	430	300	200	200
2	Q	3590	3230	2870	2520	2150	1800	1440	1080	810	810
	W	1280	1140	990	860	720	580	440	300	200	200
0	Q	3500	3150	2800	2450	2100	1750	1400	1050	790	790
	W	1290	1150	1000	870	730	580	440	300	200	200
-5	Q	3270	2940	2620	2290	1960	1640	1310	980	740	740
	W	1320	1170	1020	890	740	600	450	310	210	210
-7	Q	3180	2860	2550	2230	1910	1590	1270	950	720	720
	W	1330	1180	1030	900	750	600	450	310	210	210
-10	Q	2990	2690	2400	2100	1800	1500	1190	890	680	680
	W	1300	1150	1010	880	730	590	440	300	210	210
-15	Q	2680	2410	2150	1880	1610	1340	1070	800	610	610
	W	1250	1110	970	840	700	560	420	290	200	200
-20	Q	2360	2120	1890	1660	1420	1180	940	710	530	530
	W	1190	1060	930	810	670	540	400	280	190	190

Outdoor unit : RAS-2M14U2AVG-E, RAS-2M14U2AVG-TR

2-Indoor units connection (Type : 05+05)

Compressor Speed	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	1600	290	1300	250
RATING	3000	910	4000	920
MAXIMUM	4200	1130	4700	1270

Cooling Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	2490	2240	1990	1740	1500	1330	1330	1330	1330	1330
	W	1120	960	790	630	470	360	360	360	360	360
43	Q	2630	2370	2100	1840	1580	1400	1400	1400	1400	1400
	W	1060	910	750	600	440	340	340	340	340	340
40	Q	2770	2490	2220	1940	1660	1480	1480	1480	1480	1480
	W	1010	860	710	560	420	320	320	320	320	320
35	Q	3000	2700	2400	2100	1800	1600	1600	1600	1600	1600
	W	910	780	640	510	380	290	290	290	290	290
30	Q	3080	2780	2470	2160	1850	1640	1640	1640	1640	1640
	W	810	700	570	460	340	260	260	260	260	260
25	Q	3170	2860	2540	2220	1900	1690	1690	1690	1690	1690
	W	720	620	510	410	300	230	230	230	230	230
20	Q	3250	2940	2610	2280	1950	1730	1730	1730	1730	1730
	W	630	550	450	360	270	200	200	200	200	200
15	Q	3340	3010	2680	2340	2010	1780	1780	1780	1780	1780
	W	540	470	380	310	230	170	170	170	170	170
10	Q	3440	3100	2760	2410	2070	1830	1830	1830	1830	1830
	W	520	450	360	300	220	160	160	160	160	160
5	Q	3530	3180	2830	2480	2130	1880	1880	1880	1880	1880
	W	490	430	350	280	210	160	160	160	160	160
0	Q	3630	3270	2910	2540	2180	1930	1930	1930	1930	1930
	W	470	410	330	270	200	150	150	150	150	150
-5	Q	3190	2870	2560	2230	1920	1700	1700	1700	1700	1700
	W	710	620	510	410	300	220	220	220	220	220
-10	Q	3200	2880	2570	2240	1920	1700	1700	1700	1700	1700
	W	690	610	490	400	290	220	220	220	220	220

Heating Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
20	Q	5030	4530	4020	3520	3020	2510	2010	1630	1630	1630
	W	1010	900	790	680	570	460	350	280	280	280
15	Q	4630	4170	3710	3240	2780	2320	1850	1510	1510	1510
	W	980	870	770	660	550	450	340	270	270	270
10	Q	4240	3810	3390	2970	2540	2120	1690	1380	1380	1380
	W	940	840	740	630	530	430	330	260	260	260
7	Q	4000	3600	3200	2800	2400	2000	1600	1300	1300	1300
	W	920	820	720	620	520	420	320	250	250	250
5.5	Q	3410	3070	2730	2390	2050	1710	1370	1110	1110	1110
	W	860	760	670	580	480	390	300	230	230	230
5	Q	3390	3050	2710	2380	2040	1700	1360	1100	1100	1100
	W	860	760	670	580	480	390	300	230	230	230
2	Q	3260	2940	2610	2290	1960	1640	1310	1060	1060	1060
	W	870	770	680	590	490	400	300	240	240	240
0	Q	3180	2860	2550	2230	1910	1600	1280	1040	1040	1040
	W	880	780	690	590	490	400	300	240	240	240
-5	Q	2970	2680	2380	2090	1790	1490	1190	970	970	970
	W	900	800	700	610	510	410	310	250	250	250
-7	Q	2890	2600	2310	2030	1740	1450	1160	940	940	940
	W	910	810	710	610	510	410	310	250	250	250
-10	Q	2720	2450	2170	1910	1640	1360	1090	880	880	880
	W	890	790	690	600	500	400	300	240	240	240
-15	Q	2430	2190	1940	1710	1460	1220	980	790	790	790
	W	850	760	670	570	480	380	290	230	230	230
-20	Q	2150	1930	1720	1510	1290	1080	860	700	700	700
	W	820	730	640	550	460	370	280	220	220	220

Outdoor unit : RAS-2M14U2AVG-E, RAS-2M14U2AVG-TR

2-Indoor units connection (Type : 05+07)

Compressor Speed	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	1600	290	1300	250
RATING	3500	960	4400	960
MAXIMUM	4300	1130	4800	1270

Cooling Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	2910	2620	2330	2040	1740	1450	1330	1330	1330	1330
	W	1180	1030	870	730	580	420	360	360	360	360
43	Q	3070	2760	2460	2150	1840	1530	1400	1400	1400	1400
	W	1120	980	830	690	550	400	340	340	340	340
40	Q	3230	2910	2580	2260	1940	1620	1480	1480	1480	1480
	W	1060	930	780	650	520	380	320	320	320	320
35	Q	3500	3150	2800	2450	2100	1750	1600	1600	1600	1600
	W	960	840	710	590	470	340	290	290	290	290
30	Q	3600	3240	2880	2520	2160	1800	1640	1640	1640	1640
	W	860	750	640	530	420	300	260	260	260	260
25	Q	3700	3330	2960	2590	2220	1850	1690	1690	1690	1690
	W	770	670	570	470	370	270	230	230	230	230
20	Q	3800	3420	3040	2660	2280	1900	1730	1730	1730	1730
	W	670	590	500	410	330	230	200	200	200	200
15	Q	3900	3510	3120	2730	2340	1950	1780	1780	1780	1780
	W	580	500	430	360	280	200	170	170	170	170
10	Q	4010	3610	3210	2810	2410	2010	1830	1830	1830	1830
	W	560	480	410	340	270	190	160	160	160	160
5	Q	4130	3710	3300	2890	2480	2060	1880	1880	1880	1880
	W	530	460	390	330	260	180	160	160	160	160
0	Q	4240	3810	3390	2970	2540	2120	1930	1930	1930	1930
	W	510	440	380	310	240	170	150	150	150	150
-5	Q	3720	3350	2980	2610	2230	1870	1700	1700	1700	1700
	W	780	670	570	470	360	260	220	220	220	220
-10	Q	3740	3360	2990	2620	2240	1870	1700	1700	1700	1700
	W	760	650	560	450	350	260	220	220	220	220

Heating Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
20	Q	5530	4980	4420	3870	3320	2770	2210	1660	1630	1630
	W	1060	950	840	730	620	510	400	280	280	280
15	Q	5100	4590	4080	3570	3060	2550	2040	1530	1510	1510
	W	1020	910	810	700	600	490	380	270	270	270
10	Q	4660	4190	3730	3260	2800	2330	1860	1400	1380	1380
	W	980	880	780	680	570	470	370	260	260	260
7	Q	4400	3960	3520	3080	2640	2200	1760	1320	1300	1300
	W	960	860	760	660	560	460	360	250	250	250
5.5	Q	3750	3380	3000	2630	2250	1880	1500	1130	1110	1110
	W	900	800	710	620	520	430	340	230	230	230
5	Q	3730	3360	2980	2610	2240	1870	1490	1120	1100	1100
	W	900	800	710	620	520	430	340	230	230	230
2	Q	3590	3230	2870	2520	2150	1800	1440	1080	1060	1060
	W	910	810	720	630	530	440	340	240	240	240
0	Q	3500	3150	2800	2450	2100	1750	1400	1050	1040	1040
	W	920	820	730	630	530	440	340	240	240	240
-5	Q	3270	2940	2620	2290	1960	1640	1310	980	970	970
	W	930	840	740	650	550	450	350	250	250	250
-7	Q	3180	2860	2550	2230	1910	1590	1270	950	940	940
	W	940	850	750	650	550	450	350	250	250	250
-10	Q	2990	2690	2400	2100	1800	1500	1190	890	880	880
	W	920	830	730	630	540	440	340	240	240	240
-15	Q	2680	2410	2150	1880	1610	1340	1070	800	790	790
	W	880	800	700	610	520	420	330	230	230	230
-20	Q	2360	2120	1890	1660	1420	1180	940	710	700	700
	W	840	760	670	580	490	400	310	220	220	220

Outdoor unit : RAS-2M14U2AVG-E, RAS-2M14U2AVG-TR

2-Indoor units connection (Type : 05+10)

Compressor Speed	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	1600	290	1300	250
RATING	4000	1030	4400	960
MAXIMUM	4400	1130	4900	1270

Cooling Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	3320	2990	2660	2330	1990	1660	1330	1330	1330	1330
	W	1270	1120	960	810	660	500	360	360	360	360
43	Q	3510	3160	2810	2460	2100	1750	1400	1400	1400	1400
	W	1200	1060	910	770	630	480	340	340	340	340
40	Q	3690	3320	2950	2580	2220	1850	1480	1480	1480	1480
	W	1140	1010	860	730	600	450	320	320	320	320
35	Q	4000	3600	3200	2800	2400	2000	1600	1600	1600	1600
	W	1030	910	780	660	540	410	290	290	290	290
30	Q	4110	3700	3290	2880	2470	2060	1640	1640	1640	1640
	W	920	810	700	590	480	370	260	260	260	260
25	Q	4230	3800	3380	2960	2540	2120	1690	1690	1690	1690
	W	820	720	620	530	430	330	230	230	230	230
20	Q	4340	3910	3470	3040	2610	2180	1730	1730	1730	1730
	W	720	630	550	460	380	290	200	200	200	200
15	Q	4460	4010	3570	3120	2680	2230	1780	1780	1780	1780
	W	620	540	470	400	320	250	170	170	170	170
10	Q	4590	4130	3670	3210	2760	2290	1830	1830	1830	1830
	W	590	520	450	380	310	240	160	160	160	160
5	Q	4720	4240	3780	3300	2830	2360	1880	1880	1880	1880
	W	570	490	430	370	290	230	160	160	160	160
0	Q	4850	4360	3880	3390	2910	2420	1930	1930	1930	1930
	W	540	470	410	350	280	220	150	150	150	150
-5	Q	4270	3830	3410	2980	2560	2130	1700	1700	1700	1700
	W	820	710	620	540	430	330	220	220	220	220
-10	Q	4280	3850	3430	2990	2570	2140	1700	1700	1700	1700
	W	790	690	610	520	420	320	220	220	220	220

Heating Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
20	Q	5530	4980	4420	3870	3320	2770	2210	1660	1630	1630
	W	1060	950	840	730	620	510	400	280	280	280
15	Q	5100	4590	4080	3570	3060	2550	2040	1530	1510	1510
	W	1020	910	810	700	600	490	380	270	270	270
10	Q	4660	4190	3730	3260	2800	2330	1860	1400	1380	1380
	W	980	880	780	680	570	470	370	260	260	260
7	Q	4400	3960	3520	3080	2640	2200	1760	1320	1300	1300
	W	960	860	760	660	560	460	360	250	250	250
5.5	Q	3750	3380	3000	2630	2250	1880	1500	1130	1110	1110
	W	900	800	710	620	520	430	340	230	230	230
5	Q	3730	3360	2980	2610	2240	1870	1490	1120	1100	1100
	W	900	800	710	620	520	430	340	230	230	230
2	Q	3590	3230	2870	2520	2150	1800	1440	1080	1060	1060
	W	910	810	720	630	530	440	340	240	240	240
0	Q	3500	3150	2800	2450	2100	1750	1400	1050	1040	1040
	W	920	820	730	630	530	440	340	240	240	240
-5	Q	3270	2940	2620	2290	1960	1640	1310	980	970	970
	W	930	840	740	650	550	450	350	250	250	250
-7	Q	3180	2860	2550	2230	1910	1590	1270	950	940	940
	W	940	850	750	650	550	450	350	250	250	250
-10	Q	2990	2690	2400	2100	1800	1500	1190	890	880	880
	W	920	830	730	630	540	440	340	240	240	240
-15	Q	2680	2410	2150	1880	1610	1340	1070	800	790	790
	W	880	800	700	610	520	420	330	230	230	230
-20	Q	2360	2120	1890	1660	1420	1180	940	710	700	700
	W	840	760	670	580	490	400	310	220	220	220

Outdoor unit : RAS-2M14U2AVG-E, RAS-2M14U2AVG-TR

2-Indoor units connection (Type : 05+13)

Compressor Speed	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	1600	290	1300	250
RATING	4000	960	4400	950
MAXIMUM	4500	1130	5000	1250

Cooling Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	3320	2990	2660	2330	1990	1660	1330	1330	1330	1330
	W	1180	1050	910	770	630	490	360	360	360	360
43	Q	3510	3160	2810	2460	2100	1750	1400	1400	1400	1400
	W	1120	990	860	740	600	470	340	340	340	340
40	Q	3690	3320	2950	2580	2220	1850	1480	1480	1480	1480
	W	1060	940	820	700	560	440	320	320	320	320
35	Q	4000	3600	3200	2800	2400	2000	1600	1600	1600	1600
	W	960	850	740	630	510	400	290	290	290	290
30	Q	4110	3700	3290	2880	2470	2060	1640	1640	1640	1640
	W	860	760	660	560	460	360	260	260	260	260
25	Q	4230	3800	3380	2960	2540	2120	1690	1690	1690	1690
	W	770	680	590	500	410	320	230	230	230	230
20	Q	4340	3910	3470	3040	2610	2180	1730	1730	1730	1730
	W	670	590	520	440	360	280	200	200	200	200
15	Q	4460	4010	3570	3120	2680	2230	1780	1780	1780	1780
	W	580	510	440	380	310	240	170	170	170	170
10	Q	4590	4130	3670	3210	2760	2290	1830	1830	1830	1830
	W	560	490	420	360	300	230	160	160	160	160
5	Q	4720	4240	3780	3300	2830	2360	1880	1880	1880	1880
	W	530	470	400	350	280	220	160	160	160	160
0	Q	4850	4360	3880	3390	2910	2420	1930	1930	1930	1930
	W	510	450	380	330	270	210	150	150	150	150
-5	Q	4270	3830	3410	2980	2560	2130	1700	1700	1700	1700
	W	780	680	570	510	410	320	220	220	220	220
-10	Q	4280	3850	3430	2990	2570	2140	1700	1700	1700	1700
	W	760	660	560	490	400	310	220	220	220	220

Heating Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
20	Q	5530	4980	4420	3870	3320	2770	2210	1660	1630	1630
	W	1050	940	830	720	610	500	390	280	280	280
15	Q	5100	4590	4080	3570	3060	2550	2040	1530	1510	1510
	W	1010	900	800	690	580	480	370	270	270	270
10	Q	4660	4190	3730	3260	2800	2330	1860	1400	1380	1380
	W	970	870	770	670	560	460	360	260	260	260
7	Q	4400	3960	3520	3080	2640	2200	1760	1320	1300	1300
	W	950	850	750	650	550	450	350	250	250	250
5.5	Q	3750	3380	3000	2630	2250	1880	1500	1130	1110	1110
	W	890	790	700	610	510	420	330	230	230	230
5	Q	3730	3360	2980	2610	2240	1870	1490	1120	1100	1100
	W	890	790	700	610	510	420	330	230	230	230
2	Q	3590	3230	2870	2520	2150	1800	1440	1080	1060	1060
	W	900	800	710	620	520	430	330	240	240	240
0	Q	3500	3150	2800	2450	2100	1750	1400	1050	1040	1040
	W	910	810	720	620	520	430	330	240	240	240
-5	Q	3270	2940	2620	2290	1960	1640	1310	980	970	970
	W	930	830	730	640	540	440	340	250	250	250
-7	Q	3180	2860	2550	2230	1910	1590	1270	950	940	940
	W	940	840	740	640	540	440	340	250	250	250
-10	Q	2990	2690	2400	2100	1800	1500	1190	890	880	880
	W	920	820	720	620	530	430	330	240	240	240
-15	Q	2680	2410	2150	1880	1610	1340	1070	800	790	790
	W	880	790	690	600	510	410	320	230	230	230
-20	Q	2360	2120	1890	1660	1420	1180	940	710	700	700
	W	840	750	660	570	490	400	310	220	220	220

Outdoor unit : RAS-2M14U2AVG-E, RAS-2M14U2AVG-TR

2-Indoor units connection (Type : 07+07)

Compressor Speed	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	1600	290	1300	250
RATING	4000	1030	4400	960
MAXIMUM	4500	1130	5100	1270

Cooling Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	3320	2990	2660	2330	1990	1660	1330	1330	1330	1330
	W	1270	1120	960	810	660	500	360	360	360	360
43	Q	3510	3160	2810	2460	2100	1750	1400	1400	1400	1400
	W	1200	1060	910	770	630	480	340	340	340	340
40	Q	3690	3320	2950	2580	2220	1850	1480	1480	1480	1480
	W	1140	1010	860	730	600	450	320	320	320	320
35	Q	4000	3600	3200	2800	2400	2000	1600	1600	1600	1600
	W	1030	910	780	660	540	410	290	290	290	290
30	Q	4110	3700	3290	2880	2470	2060	1640	1640	1640	1640
	W	920	810	700	590	480	370	260	260	260	260
25	Q	4230	3800	3380	2960	2540	2120	1690	1690	1690	1690
	W	820	720	620	530	430	330	230	230	230	230
20	Q	4340	3910	3470	3040	2610	2180	1730	1730	1730	1730
	W	720	630	550	460	380	290	200	200	200	200
15	Q	4460	4010	3570	3120	2680	2230	1780	1780	1780	1780
	W	620	540	470	400	320	250	170	170	170	170
10	Q	4590	4130	3670	3210	2760	2290	1830	1830	1830	1830
	W	590	520	450	380	310	240	160	160	160	160
5	Q	4720	4240	3780	3300	2830	2360	1880	1880	1880	1880
	W	570	490	430	370	290	230	160	160	160	160
0	Q	4850	4360	3880	3390	2910	2420	1930	1930	1930	1930
	W	540	470	410	350	280	220	150	150	150	150
-5	Q	4270	3830	3410	2980	2560	2130	1700	1700	1700	1700
	W	820	710	620	540	430	330	220	220	220	220
-10	Q	4280	3850	3430	2990	2570	2140	1700	1700	1700	1700
	W	790	690	610	520	420	320	220	220	220	220

Heating Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
20	Q	5530	4980	4420	3870	3320	2770	2210	1660	1630	1630
	W	1060	950	840	730	620	510	400	280	280	280
15	Q	5100	4590	4080	3570	3060	2550	2040	1530	1510	1510
	W	1020	910	810	700	600	490	380	270	270	270
10	Q	4660	4190	3730	3260	2800	2330	1860	1400	1380	1380
	W	980	880	780	680	570	470	370	260	260	260
7	Q	4400	3960	3520	3080	2640	2200	1760	1320	1300	1300
	W	960	860	760	660	560	460	360	250	250	250
5.5	Q	3750	3380	3000	2630	2250	1880	1500	1130	1110	1110
	W	900	800	710	620	520	430	340	230	230	230
5	Q	3730	3360	2980	2610	2240	1870	1490	1120	1100	1100
	W	900	800	710	620	520	430	340	230	230	230
2	Q	3590	3230	2870	2520	2150	1800	1440	1080	1060	1060
	W	910	810	720	630	530	440	340	240	240	240
0	Q	3500	3150	2800	2450	2100	1750	1400	1050	1040	1040
	W	920	820	730	630	530	440	340	240	240	240
-5	Q	3270	2940	2620	2290	1960	1640	1310	980	970	970
	W	930	840	740	650	550	450	350	250	250	250
-7	Q	3180	2860	2550	2230	1910	1590	1270	950	940	940
	W	940	850	750	650	550	450	350	250	250	250
-10	Q	2990	2690	2400	2100	1800	1500	1190	890	880	880
	W	920	830	730	630	540	440	340	240	240	240
-15	Q	2680	2410	2150	1880	1610	1340	1070	800	790	790
	W	880	800	700	610	520	420	330	230	230	230
-20	Q	2360	2120	1890	1660	1420	1180	940	710	700	700
	W	840	760	670	580	490	400	310	220	220	220

Outdoor unit : RAS-2M14U2AVG-E, RAS-2M14U2AVG-TR

2-Indoor units connection (Type : 07+10)

Compressor Speed	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	1600	290	1300	250
RATING	4000	960	4400	950
MAXIMUM	4600	1130	5100	1250

Cooling Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	3320	2990	2660	2330	1990	1660	1330	1330	1330	1330
	W	1180	1050	910	770	630	490	360	360	360	360
43	Q	3510	3160	2810	2460	2100	1750	1400	1400	1400	1400
	W	1120	990	860	740	600	470	340	340	340	340
40	Q	3690	3320	2950	2580	2220	1850	1480	1480	1480	1480
	W	1060	940	820	700	560	440	320	320	320	320
35	Q	4000	3600	3200	2800	2400	2000	1600	1600	1600	1600
	W	960	850	740	630	510	400	290	290	290	290
30	Q	4110	3700	3290	2880	2470	2060	1640	1640	1640	1640
	W	860	760	660	560	460	360	260	260	260	260
25	Q	4230	3800	3380	2960	2540	2120	1690	1690	1690	1690
	W	770	680	590	500	410	320	230	230	230	230
20	Q	4340	3910	3470	3040	2610	2180	1730	1730	1730	1730
	W	670	590	520	440	360	280	200	200	200	200
15	Q	4460	4010	3570	3120	2680	2230	1780	1780	1780	1780
	W	580	510	440	380	310	240	170	170	170	170
10	Q	4590	4130	3670	3210	2760	2290	1830	1830	1830	1830
	W	560	490	420	360	300	230	160	160	160	160
5	Q	4720	4240	3780	3300	2830	2360	1880	1880	1880	1880
	W	530	470	400	350	280	220	160	160	160	160
0	Q	4850	4360	3880	3390	2910	2420	1930	1930	1930	1930
	W	510	450	380	330	270	210	150	150	150	150
-5	Q	4270	3830	3410	2980	2560	2130	1700	1700	1700	1700
	W	780	680	570	510	410	320	220	220	220	220
-10	Q	4280	3850	3430	2990	2570	2140	1700	1700	1700	1700
	W	760	660	560	490	400	310	220	220	220	220

Heating Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
20	Q	5530	4980	4420	3870	3320	2770	2210	1660	1630	1630
	W	1050	940	830	720	610	500	390	280	280	280
15	Q	5100	4590	4080	3570	3060	2550	2040	1530	1510	1510
	W	1010	900	800	690	580	480	370	270	270	270
10	Q	4660	4190	3730	3260	2800	2330	1860	1400	1380	1380
	W	970	870	770	670	560	460	360	260	260	260
7	Q	4400	3960	3520	3080	2640	2200	1760	1320	1300	1300
	W	950	850	750	650	550	450	350	250	250	250
5.5	Q	3750	3380	3000	2630	2250	1880	1500	1130	1110	1110
	W	890	790	700	610	510	420	330	230	230	230
5	Q	3730	3360	2980	2610	2240	1870	1490	1120	1100	1100
	W	890	790	700	610	510	420	330	230	230	230
2	Q	3590	3230	2870	2520	2150	1800	1440	1080	1060	1060
	W	900	800	710	620	520	430	330	240	240	240
0	Q	3500	3150	2800	2450	2100	1750	1400	1050	1040	1040
	W	910	810	720	620	520	430	330	240	240	240
-5	Q	3270	2940	2620	2290	1960	1640	1310	980	970	970
	W	930	830	730	640	540	440	340	250	250	250
-7	Q	3180	2860	2550	2230	1910	1590	1270	950	940	940
	W	940	840	740	640	540	440	340	250	250	250
-10	Q	2990	2690	2400	2100	1800	1500	1190	890	880	880
	W	920	820	720	620	530	430	330	240	240	240
-15	Q	2680	2410	2150	1880	1610	1340	1070	800	790	790
	W	880	790	690	600	510	410	320	230	230	230
-20	Q	2360	2120	1890	1660	1420	1180	940	710	700	700
	W	840	750	660	570	490	400	310	220	220	220

Outdoor unit : RAS-2M14U2AVG-E, RAS-2M14U2AVG-TR

2-Indoor units connection (Type : 07+13)

Compressor Speed	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	1600	290	1300	250
RATING	4000	940	4400	920
MAXIMUM	4700	1140	5200	1250

Cooling Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	3320	2990	2660	2330	1990	1660	1330	1330	1330	1330
	W	1160	1020	890	760	630	490	360	360	360	360
43	Q	3510	3160	2810	2460	2100	1750	1400	1400	1400	1400
	W	1100	970	840	720	600	470	340	340	340	340
40	Q	3690	3320	2950	2580	2220	1850	1480	1480	1480	1480
	W	1040	920	800	680	560	440	320	320	320	320
35	Q	4000	3600	3200	2800	2400	2000	1600	1600	1600	1600
	W	940	830	720	620	510	400	290	290	290	290
30	Q	4110	3700	3290	2880	2470	2060	1640	1640	1640	1640
	W	840	740	640	560	460	360	260	260	260	260
25	Q	4230	3800	3380	2960	2540	2120	1690	1690	1690	1690
	W	750	660	570	500	410	320	230	230	230	230
20	Q	4340	3910	3470	3040	2610	2180	1730	1730	1730	1730
	W	660	580	500	440	360	280	200	200	200	200
15	Q	4460	4010	3570	3120	2680	2230	1780	1780	1780	1780
	W	560	500	430	380	310	240	170	170	170	170
10	Q	4590	4130	3670	3210	2760	2290	1830	1830	1830	1830
	W	540	480	410	360	300	230	160	160	160	160
5	Q	4720	4240	3780	3300	2830	2360	1880	1880	1880	1880
	W	510	460	390	350	280	220	160	160	160	160
0	Q	4850	4360	3880	3390	2910	2420	1930	1930	1930	1930
	W	490	440	380	330	270	210	150	150	150	150
-5	Q	4270	3830	3410	2980	2560	2130	1700	1700	1700	1700
	W	740	670	570	510	410	320	220	220	220	220
-10	Q	4280	3850	3430	2990	2570	2140	1700	1700	1700	1700
	W	720	650	560	490	400	310	220	220	220	220

Heating Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
20	Q	5530	4980	4420	3870	3320	2770	2210	1660	1630	1630
	W	1010	900	800	690	590	480	390	280	280	280
15	Q	5100	4590	4080	3570	3060	2550	2040	1530	1510	1510
	W	980	870	780	670	570	470	370	270	270	270
10	Q	4660	4190	3730	3260	2800	2330	1860	1400	1380	1380
	W	940	840	750	640	550	450	360	260	260	260
7	Q	4400	3960	3520	3080	2640	2200	1760	1320	1300	1300
	W	920	820	730	630	540	440	350	250	250	250
5.5	Q	3750	3380	3000	2630	2250	1880	1500	1130	1110	1110
	W	860	760	680	590	500	410	330	230	230	230
5	Q	3730	3360	2980	2610	2240	1870	1490	1120	1100	1100
	W	860	760	680	590	500	410	330	230	230	230
2	Q	3590	3230	2870	2520	2150	1800	1440	1080	1060	1060
	W	870	770	690	600	510	420	330	240	240	240
0	Q	3500	3150	2800	2450	2100	1750	1400	1050	1040	1040
	W	880	780	700	600	510	420	330	240	240	240
-5	Q	3270	2940	2620	2290	1960	1640	1310	980	970	970
	W	900	800	710	620	530	430	340	250	250	250
-7	Q	3180	2860	2550	2230	1910	1590	1270	950	940	940
	W	910	810	720	620	530	430	340	250	250	250
-10	Q	2990	2690	2400	2100	1800	1500	1190	890	880	880
	W	890	790	700	610	520	420	330	240	240	240
-15	Q	2680	2410	2150	1880	1610	1340	1070	800	790	790
	W	850	760	670	580	500	400	320	230	230	230
-20	Q	2360	2120	1890	1660	1420	1180	940	710	700	700
	W	820	730	650	560	480	390	310	220	220	220

Outdoor unit : RAS-2M14U2AVG-E, RAS-2M14U2AVG-TR

2-Indoor units connection (Type : 10+10)

Compressor Speed	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	1600	290	1300	250
RATING	4000	940	4400	930
MAXIMUM	4700	1140	5100	1230

Cooling Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	3320	2990	2660	2330	1990	1660	1330	1330	1330	1330
	W	1160	1020	890	760	630	490	360	360	360	360
43	Q	3510	3160	2810	2460	2100	1750	1400	1400	1400	1400
	W	1100	970	840	720	600	470	340	340	340	340
40	Q	3690	3320	2950	2580	2220	1850	1480	1480	1480	1480
	W	1040	920	800	680	560	440	320	320	320	320
35	Q	4000	3600	3200	2800	2400	2000	1600	1600	1600	1600
	W	940	830	720	620	510	400	290	290	290	290
30	Q	4110	3700	3290	2880	2470	2060	1640	1640	1640	1640
	W	840	740	640	560	460	360	260	260	260	260
25	Q	4230	3800	3380	2960	2540	2120	1690	1690	1690	1690
	W	750	660	570	500	410	320	230	230	230	230
20	Q	4340	3910	3470	3040	2610	2180	1730	1730	1730	1730
	W	660	580	500	440	360	280	200	200	200	200
15	Q	4460	4010	3570	3120	2680	2230	1780	1780	1780	1780
	W	560	500	430	380	310	240	170	170	170	170
10	Q	4590	4130	3670	3210	2760	2290	1830	1830	1830	1830
	W	540	480	410	360	300	230	160	160	160	160
5	Q	4720	4240	3780	3300	2830	2360	1880	1880	1880	1880
	W	510	460	390	350	280	220	160	160	160	160
0	Q	4850	4360	3880	3390	2910	2420	1930	1930	1930	1930
	W	490	440	380	330	270	210	150	150	150	150
-5	Q	4270	3830	3410	2980	2560	2130	1700	1700	1700	1700
	W	740	670	570	510	410	320	220	220	220	220
-10	Q	4280	3850	3430	2990	2570	2140	1700	1700	1700	1700
	W	720	650	560	490	400	310	220	220	220	220

Heating Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
20	Q	5530	4980	4420	3870	3320	2770	2210	1660	1630	1630
	W	1020	910	820	710	590	500	390	280	280	280
15	Q	5100	4590	4080	3570	3060	2550	2040	1530	1510	1510
	W	990	880	790	680	570	480	370	270	270	270
10	Q	4660	4190	3730	3260	2800	2330	1860	1400	1380	1380
	W	950	850	760	660	550	460	360	260	260	260
7	Q	4400	3960	3520	3080	2640	2200	1760	1320	1300	1300
	W	930	830	740	640	540	450	350	250	250	250
5.5	Q	3750	3380	3000	2630	2250	1880	1500	1130	1110	1110
	W	870	770	690	600	500	420	330	230	230	230
5	Q	3730	3360	2980	2610	2240	1870	1490	1120	1100	1100
	W	870	770	690	600	500	420	330	230	230	230
2	Q	3590	3230	2870	2520	2150	1800	1440	1080	1060	1060
	W	880	780	700	610	510	430	330	240	240	240
0	Q	3500	3150	2800	2450	2100	1750	1400	1050	1040	1040
	W	890	790	710	610	510	430	330	240	240	240
-5	Q	3270	2940	2620	2290	1960	1640	1310	980	970	970
	W	910	810	720	630	530	440	340	250	250	250
-7	Q	3180	2860	2550	2230	1910	1590	1270	950	940	940
	W	920	820	730	630	530	440	340	250	250	250
-10	Q	2990	2690	2400	2100	1800	1500	1190	890	880	880
	W	900	800	710	620	520	430	330	240	240	240
-15	Q	2680	2410	2150	1880	1610	1340	1070	800	790	790
	W	860	770	680	590	500	410	320	230	230	230
-20	Q	2360	2120	1890	1660	1420	1180	940	710	700	700
	W	830	740	660	570	480	400	310	220	220	220

Outdoor unit : RAS-2M14U2AVG-E, RAS-2M14U2AVG-TR

2-Indoor units connection (Type : 10+13)

Compressor Speed	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	1600	290	1300	250
RATING	4000	930	4400	910
MAXIMUM	4800	1150	5200	1230

Cooling Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	3320	2990	2660	2330	1990	1660	1330	1330	1330	1330
	W	1140	1010	890	750	610	490	360	360	360	360
43	Q	3510	3160	2810	2460	2100	1750	1400	1400	1400	1400
	W	1090	960	840	710	580	470	340	340	340	340
40	Q	3690	3320	2950	2580	2220	1850	1480	1480	1480	1480
	W	1030	910	800	670	550	440	320	320	320	320
35	Q	4000	3600	3200	2800	2400	2000	1600	1600	1600	1600
	W	930	820	720	610	500	400	290	290	290	290
30	Q	4110	3700	3290	2880	2470	2060	1640	1640	1640	1640
	W	830	730	640	550	450	360	260	260	260	260
25	Q	4230	3800	3380	2960	2540	2120	1690	1690	1690	1690
	W	740	650	570	490	400	320	230	230	230	230
20	Q	4340	3910	3470	3040	2610	2180	1730	1730	1730	1730
	W	650	570	500	430	350	280	200	200	200	200
15	Q	4460	4010	3570	3120	2680	2230	1780	1780	1780	1780
	W	560	490	430	370	300	240	170	170	170	170
10	Q	4590	4130	3670	3210	2760	2290	1830	1830	1830	1830
	W	540	470	410	350	290	230	160	160	160	160
5	Q	4720	4240	3780	3300	2830	2360	1880	1880	1880	1880
	W	510	450	390	340	270	220	160	160	160	160
0	Q	4850	4360	3880	3390	2910	2420	1930	1930	1930	1930
	W	490	430	380	320	260	210	150	150	150	150
-5	Q	4270	3830	3410	2980	2560	2130	1700	1700	1700	1700
	W	740	650	570	490	400	320	220	220	220	220
-10	Q	4280	3850	3430	2990	2570	2140	1700	1700	1700	1700
	W	720	630	560	470	390	310	220	220	220	220

Heating Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
20	Q	5530	4980	4420	3870	3320	2770	2210	1660	1630	1630
	W	1000	900	790	690	590	480	390	280	280	280
15	Q	5100	4590	4080	3570	3060	2550	2040	1530	1510	1510
	W	970	870	770	670	570	470	370	270	270	270
10	Q	4660	4190	3730	3260	2800	2330	1860	1400	1380	1380
	W	930	840	740	640	550	450	360	260	260	260
7	Q	4400	3960	3520	3080	2640	2200	1760	1320	1300	1300
	W	910	820	720	630	540	440	350	250	250	250
5.5	Q	3750	3380	3000	2630	2250	1880	1500	1130	1110	1110
	W	850	760	670	590	500	410	330	230	230	230
5	Q	3730	3360	2980	2610	2240	1870	1490	1120	1100	1100
	W	850	760	670	590	500	410	330	230	230	230
2	Q	3590	3230	2870	2520	2150	1800	1440	1080	1060	1060
	W	860	770	680	600	510	420	330	240	240	240
0	Q	3500	3150	2800	2450	2100	1750	1400	1050	1040	1040
	W	870	780	690	600	510	420	330	240	240	240
-5	Q	3270	2940	2620	2290	1960	1640	1310	980	970	970
	W	890	800	700	620	530	430	340	250	250	250
-7	Q	3180	2860	2550	2230	1910	1590	1270	950	940	940
	W	900	810	710	620	530	430	340	250	250	250
-10	Q	2990	2690	2400	2100	1800	1500	1190	890	880	880
	W	880	790	690	610	520	420	330	240	240	240
-15	Q	2680	2410	2150	1880	1610	1340	1070	800	790	790
	W	840	760	670	580	500	400	320	230	230	230
-20	Q	2360	2120	1890	1660	1420	1180	940	710	700	700
	W	810	730	640	560	480	390	310	220	220	220

Outdoor unit : RAS-2M14U2AVG-E, RAS-2M14U2AVG-TR

2-Indoor units connection (Type : 13+13)

Compressor Speed	Cooling		Heating	
	Capacity Q(W)	Power consumption W(W)	Capacity Q(W)	Power consumption W(W)
MINIMUM	1600	290	1300	250
RATING	4000	920	4400	890
MAXIMUM	4900	1150	5200	1220

Cooling Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
46	Q	3320	2990	2660	2330	1990	1660	1330	1330	1330	1330
	W	1130	1010	870	750	610	490	360	360	360	360
43	Q	3510	3160	2810	2460	2100	1750	1400	1400	1400	1400
	W	1070	960	830	710	580	470	340	340	340	340
40	Q	3690	3320	2950	2580	2220	1850	1480	1480	1480	1480
	W	1020	910	780	670	550	440	320	320	320	320
35	Q	4000	3600	3200	2800	2400	2000	1600	1600	1600	1600
	W	920	820	710	610	500	400	290	290	290	290
30	Q	4110	3700	3290	2880	2470	2060	1640	1640	1640	1640
	W	820	730	640	550	450	360	260	260	260	260
25	Q	4230	3800	3380	2960	2540	2120	1690	1690	1690	1690
	W	730	650	570	490	400	320	230	230	230	230
20	Q	4340	3910	3470	3040	2610	2180	1730	1730	1730	1730
	W	640	570	500	430	350	280	200	200	200	200
15	Q	4460	4010	3570	3120	2680	2230	1780	1780	1780	1780
	W	550	490	430	370	300	240	170	170	170	170
10	Q	4590	4130	3670	3210	2760	2290	1830	1830	1830	1830
	W	530	470	410	350	290	230	160	160	160	160
5	Q	4720	4240	3780	3300	2830	2360	1880	1880	1880	1880
	W	500	450	390	340	270	220	160	160	160	160
0	Q	4850	4360	3880	3390	2910	2420	1930	1930	1930	1930
	W	480	430	380	320	260	210	150	150	150	150
-5	Q	4270	3830	3410	2980	2560	2130	1700	1700	1700	1700
	W	730	650	570	490	400	320	220	220	220	220
-10	Q	4280	3850	3430	2990	2570	2140	1700	1700	1700	1700
	W	710	630	560	470	390	310	220	220	220	220

Heating Rating

Outdoor temperature(°C)	-	Load(%)									
		100	90	80	70	60	50	40	30	20	10
20	Q	5530	4980	4420	3870	3320	2770	2210	1660	1630	1630
	W	980	880	780	680	580	480	370	280	280	280
15	Q	5100	4590	4080	3570	3060	2550	2040	1530	1510	1510
	W	950	850	750	660	560	470	360	270	270	270
10	Q	4660	4190	3730	3260	2800	2330	1860	1400	1380	1380
	W	910	820	730	630	540	450	350	260	260	260
7	Q	4400	3960	3520	3080	2640	2200	1760	1320	1300	1300
	W	890	800	710	620	530	440	340	250	250	250
5.5	Q	3750	3380	3000	2630	2250	1880	1500	1130	1110	1110
	W	830	750	660	580	490	410	320	230	230	230
5	Q	3730	3360	2980	2610	2240	1870	1490	1120	1100	1100
	W	830	750	660	580	490	410	320	230	230	230
2	Q	3590	3230	2870	2520	2150	1800	1440	1080	1060	1060
	W	840	760	670	590	500	420	320	240	240	240
0	Q	3500	3150	2800	2450	2100	1750	1400	1050	1040	1040
	W	850	770	680	590	500	420	320	240	240	240
-5	Q	3270	2940	2620	2290	1960	1640	1310	980	970	970
	W	870	780	690	610	520	430	330	250	250	250
-7	Q	3180	2860	2550	2230	1910	1590	1270	950	940	940
	W	880	790	700	610	520	430	330	250	250	250
-10	Q	2990	2690	2400	2100	1800	1500	1190	890	880	880
	W	860	770	680	600	510	420	320	240	240	240
-15	Q	2680	2410	2150	1880	1610	1340	1070	800	790	790
	W	820	740	660	570	490	400	310	230	230	230
-20	Q	2360	2120	1890	1660	1420	1180	940	710	700	700
	W	790	710	630	550	470	390	300	220	220	220

TOSHIBA CARRIER (THAILAND) CO.,LTD.

144/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi,
Amphur Muang, Pathumthani 12000, Thailand

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