



Technical Sales Guide

GMV9 Flex DC Inverter VRF Units

(GC202510-I)

RATED FREQUENCY: 50/60Hz

CAPACITY RANGE: 40.0~246.0kW



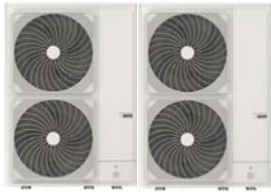
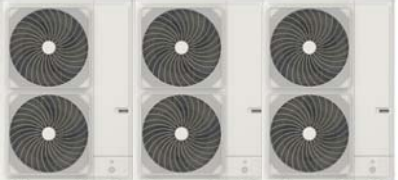
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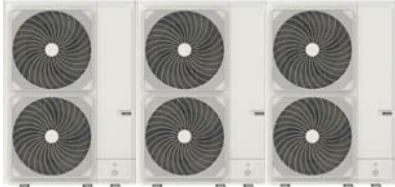
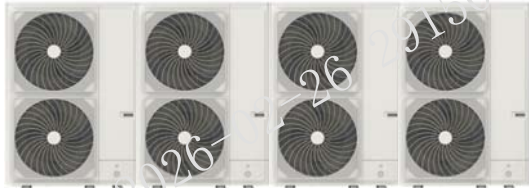
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1. UNIT CHARACTERISTICS

1.1 Lineup of Outdoor Unit

GMV9 Flex DC Inverter VRF system: The capacities of basic models are: 14HP,16HP, 18HP,20HP and 22HP, the capacities for combination models are from 28HP to 88HP.

Capacity (HP)	Model	Combination Mode	Appearance
14	GMV-400WML/A-X	—	
16	GMV-450WML/A-X	—	
18	GMV-504WML/A-X	—	
20	GMV-560WML/A-X	—	
22	GMV-615WML/A-X	—	
28	GMV-800WML/A-X	GMV-400WML/A-X+ GMV-400WML/A-X	
30	GMV-850WML/A-X	GMV-400WML/A-X+ GMV-450WML/A-X	
32	GMV-900WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X	
34	GMV-954WML/A-X	GMV-450WML/A-X+ GMV-504WML/A-X	
36	GMV-1010WML/A-X	GMV-450WML/A-X+ GMV-560WML/A-X	
38	GMV-1065WML/A-X	GMV-450WML/A-X+ GMV-615WML/A-X	
40	GMV-1119WML/A-X	GMV-504WML/A-X+ GMV-615WML/A-X	
42	GMV-1175WML/A-X	GMV-560WML/A-X+ GMV-615WML/A-X	
44	GMV-1230WML/A-X	GMV-615WML/A-X+ GMV-615WML/A-X	
46	GMV-1300WML/A-X	GMV-400WML/A-X+ GMV-450WML/A-X+ GMV-450WML/A-X	
48	GMV-1350WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-450WML/A-X	
50	GMV-1404WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-504WML/A-X	
52	GMV-1460WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-560WML/A-X	
54	GMV-1515WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-615WML/A-X	
56	GMV-1570WML/A-X	GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-560WML/A-X	
58	GMV-1625WML/A-X	GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-615WML/A-X	

Capacity (HP)	Model	Combination Mode	Appearance
60	GMV-1680WML/A-X	GMV-450WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	
62	GMV-1735WML/A-X	GMV-560WML/A-X+ GMV-560WML/A-X+ GMV-615WML/A-X	
64	GMV-1790WML/A-X	GMV-560WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	
66	GMV-1845WML/A-X	GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	
68	GMV-1910WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-560WML/A-X	
70	GMV-1965WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-615WML/A-X	
72	GMV-2020WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-560WML/A-X	
74	GMV-2075WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-615WML/A-X	
76	GMV-2130WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	
78	GMV-2185WML/A-X	GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-560WML/A-X+ GMV-615WML/A-X	
80	GMV-2240WML/A-X	GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	
82	GMV-2295WML/A-X	GMV-450WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	
84	GMV-2349WML/A-X	GMV-504WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	
86	GMV-2405WML/A-X	GMV-560WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	
88	GMV-2460WML/A-X	GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	

1.2 Product Function and Features

Gree GMV9 Flex series is GREE's first lean-designed Enhanced Vapor Injection (EVI) side-exhaust modular multi-split unit. The basic model capacity of the unit ranges from 40.0kW to 61.5kW, with modular capacity ranging from 80kW to 246kW. It adopts a highly efficient enthalphy-adding system design, leading CAN+ communication technology for multi-split units, intelligent rotation, and other high-efficiency control technologies. The unit can also be equipped with GREE's next-generation Intelligent management and control solutions, clean and healthy fresh air solutions, etc., making the unit have excellent energy-saving performance, comfort, and stability. The unit can operate within a wide temperature range of -30°C to 55°C and adapt to a wide voltage range of 380V to 415V. The case size is compactly designed, significantly reducing floor space and occupied volume, making it easy to enter office building elevators and reduce hoisting. It can be widely used in villas, small shops, shopping malls, supermarkets, office buildings, and other commercial and office spaces.

(1) Flexible installation, freeing up design space

Lateral exhaust is flexible and suitable for low buildings and confined spaces, no crane installation required, can freely enter and exit elevators, three-way connection available, installation is both flexible and aesthetically pleasing.

◆Lateral exhaust, easier installation

Lateral exhaust is not restricted by the top space, and no guide device is needed when installed on the same level, saving installation costs and providing more flexible installation.

◆460mm depth, flexible adaptation for narrow spaces

Depth of only 460mm, reduces the depth compared to top exhaust models with the same capacity by up to 40%, saving space for installation and maintenance.

◆Free entry and exit of the elevator, no crane installation required

Ultra-compact design, can freely enter and exit the elevator even with packaging, no need for a crane, significantly reducing installation costs.

◆Three-way outlet pipe design, not restricted by building forms

Pipes can be directed from three directions: front, back, and right, suitable for more installation scenarios.

◆Floor space

Compared to top exhaust units with the same capacity, it can reduce the floor space by up to 45%, suitable for more scenarios.

(2) Wide capacity range

Basic module capacity ranges from 14 to 22 HP, and products can be combined into modules with a combined capacity range of 28 to 88 HP, offering a rich product line and flexible user selection.

(3) Enhanced Vapor Injection Scroll Compressor

Uses low-temperature enthalphy-adding high-pressure scroll compressor, with 0~420Hz regulation that matches the entire unit, operating normally between -30~55°C.

(4) New DC Inverter Fan, higher operational efficiency

- 1) Uses a fully DC high-speed, high-power 10-pole motor, comprehensively upgraded performance, and corrosion-resistant sealed structure.
- 2) The motor uses a new embedded rotor, increasing the use of magnets, enhancing magnetic strength, achieving high power density, and improving the utilization rate of enameled wire.
- 3) The motor uses a new embedded rotor, ensuring no magnet loss risk during high-speed operation due to centrifugal force.

(5) Intelligent defrost technology, worry-free winter operation

Through real-time parameter learning and judgment, combined with evaporator temperature, condenser pressure, and capacity output parameters, it automatically adjusts defrost capacity output and defrost cycle, achieving stable or rapid defrosting.

(6) Overcooling Control Technology

High-efficiency plate overcooler and variable overcooling control method, with maximum overcooling reaching 35 °C, significantly improving the compatibility of the unit's operation with engineering requirements and achieving better results.

(7) Refrigerant cooling technology, strong cooling at 55°C super-high temperature

Adopts refrigerant cooling technology to improve the working temperature of components, capable of strong cooling operation at 55°C super-high temperature without fear of high temperatures, extending service life and enhancing the stability and reliability of the unit.

(8) Wide operation range

Super-wide operating range, flexibly coping with harsh outdoor temperature environments, significantly enhancing the stability and applicability of the unit.

Temperature operating range: Cooling -5~55°C, Heating -30~27°C.

Voltage range is 380V~415V. Easily cope with power changes, safe and stable operation.

(9) Up to 80Pa external static pressure*, effective heat dissipation, efficient operation in small spaces

The unit comes standard with 40Pa static pressure, customizable to meet 80Pa, enabling long-distance exhaust, non-interfering airflow, ensuring effective heat dissipation of the unit.

**This feature requires customization.*

(10) Maximum refrigerant main pipe length up to 560m, flexible design and construction

Maximum actual single pipe length 150m, maximum equivalent single pipe length 175m, maximum piping total length 560m;

The distance from the first indoor branch pipe to the farthest indoor unit is 40m;

The maximum height difference between indoor and outdoor units is 40m (50m when the outdoor unit is above);

The maximum height difference between indoor units is 30m.

(11) Maximum refrigerant main pipe length up to 560m, flexible design and construction

The controller platform supports multiple efficient debugging methods, all capable of quick one-button debugging, reducing project error rates by 80%;

Mainboard debugging: One-click entry into debugging mode, no additional operations required, simple and fast;

GMV debugging software: Clear interface, detailed data, more professional analysis;

Second-generation Pocket Genius: Quick connection, no dedicated PC required, automatic data saving, no external storage device needed.

1.3 Nomenclature

GMV	□	□	□	□	□	□	□	W	□	/	□	□	□	(□)
1	2	3	4	5	6	7	8	9	10	11	12	13		

No.	Description	Options
1	Product code	GMV—Gree Multi VRF Units
2	Suitable climate	Omit—T1 condition T2—Low temperature climate T3—High temperature climate
3	RAC or CAC	Omit—CAC H—RAC
4	Special function	Omit—Without special function G—High sensible heat V—Low-temperature heat pump
5	Unit type	Omit—DC inverter Y—Solar power
6	Function code	Omit—No special function; Q—Heat recovery model unit; S—Water heater unit; W—Water cooled unit; X—Air processing unit; Z—Reheat dehumidifier unit; Y—PV unit; G—High sensible heat unit; V—Low temperature heat pump unit; XR—Thermal storage unit
7	Code of cooling capacity	Nominal capacity/100(W)
8	Code for outdoor unit	W—Outdoor unit
9	Unit structure	Omit—Non-modular (top discharge); M—Modular (top discharge); L—Non-modular (side discharge); ML—Side discharge modular
10	Refrigerant	Omit—R410A
11	Design No.	Named in order of A, B, C, or combined with 1, 2, 3...
12	Power supply	7000~18000W, Omit—1 phase; S—3 phase
13	Area code	Omit—For general area For special area, area code is in the form of one capital letter: A, P or S...

1.4 Operation Range

—	Cooling	Heating
Ambient temperature	-5°C ~55°C DB	-30°C ~27°C DB
Indoor temperature	16°C~32°C DB	15°C ~30°C DB
Indoor humidity	≤80%	

When the indoor units are all VRF fresh air processor, the unit operating range is as follows:

Cooling	Ambient temperature: 16°C ~45°C
Heating	Ambient temperature: -7°C ~16°C

2. UNIT PARAMETERS

Model(single unit)		—	GMV-400WML/A-X	GMV-450WML/A-X	GMV-504WML/A-X	GMV-550WML/A-X	GMV-615WML/A-X
Cooling capacity	Rated	kW	40.0	45.0	50.4	56.0	61.5
	Max.	kW	40.0	45.0	50.4	56.0	61.5
Heating capacity	Rated	kW	40.0	45.0	50.4	56.0	61.5
	Max.	kW	45.0	50.0	56.5	63.0	69.0
Recommended combination	—	—	GMV-ND63PHS/Da-T×2+GMV-ND71PHS/Da-T×4	GMV-ND71PHS/Da-T×2+GMV-ND80PHS/Da-T×4	GMV-ND63PHS/Da-T×8	GMV-ND71PHS/Da-T×8	GMV-ND80PHS/Da-T×8
SEER	Ducted	—	7.15	6.81	7.21	6.86	6.62
	Cassette	—	7.20	7.00	7.25	7.09	6.70
SCOP	Ducted	—	4.56	4.70	4.46	4.49	4.40
	Cassette	—	4.50	4.40	4.22	4.11	4.10
Sound pressure level(Cooling)		dB(A)	59	60	60	61	61
Sound power level(Cooling)	Ducted	dB(A)	83	84	84	85	87
	Cassette	dB(A)	83	84	84	85	87
Air volume		m³/h	19000	19000	19500	19500	19500
Outdoor static pressure		Pa	0-40	0-40	0-40	0-40	0-40
Power supply		—	380-415V 3N~50Hz/60Hz	380-415V 3N~50Hz/60Hz	380-415V 3N~50Hz/60Hz	380-415V 3N~50Hz/60Hz	380-415V 3N~50Hz/60Hz
Compressor quantity		set	1	1	1	1	1
Refrigerant oil model		—	FV68H	FV68H	FV68H	FV68H	FV68H
Refrigeration oil charge	Gross	L	5.6	5.6	6.1	6.1	6.1
	Compressor charge	L	1.1	1.1	1.1	1.1	1.1
	Others	L	4.5	4.5	5.0	5.0	5.0
Connection pipe	Gas pipe	mm	Φ25.4	Φ28.6	Φ28.6	Φ28.6	Φ28.6
	Liquid pipe	mm	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9
Outline dimensions(W × D × H)		mm	1250×460×1745	1250×460×1745	1250×460×1745	1250×460×1745	1250×460×1745
Net weight		kg	210	210	235	235	235
Gross weight		kg	230	230	255	255	255

Model(combined unit)		—	GMV-800WML/A-X	GMV-850WML/A-X	GMV-900WML/A-X	GMV-954WML/A-X
Model(single unit)		—	GMV-400WML/A-X+GMV-400WML/A-X	GMV-400WML/A-X+GMV-450WML/A-X	GMV-450WML/A-X+GMV-450WML/A-X	GMV-450WML/A-X+GMV-504WML/A-X
Cooling capacity		kW	80.0	85.0	90.0	95.4
Heating capacity		kW	90.0	95.0	100.0	106.5
SEER	Ducted	—	7.15	6.96	6.81	7.00
	Cassette	—	7.20	7.09	7.00	7.13
SCOP	Ducted	—	4.56	4.63	4.70	4.57
	Cassette	—	4.50	4.45	4.40	4.29
Outdoor static pressure		Pa	0-40	0-40	0-40	0-40
Power supply		—	380-415V 3N~50Hz/60Hz	380-415V 3N~50Hz/60Hz	380-415V 3N~50Hz/60Hz	380-415V 3N~50Hz/60Hz
Connection pipe	Gas pipe	mm	Φ31.8	Φ31.8	Φ31.8	Φ38.1
	Liquid pipe	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05
Outline dimensions(W×D×H)		mm	1250×460×1745+1250×460×1745	1250×460×1745+1250×460×1745	1250×460×1745+1250×460×1745	1250×460×1745+1250×460×1745
Net weight		kg	210+210	210+210	210+210	210+235

Model(combined unit)	—	GMV-1010WML/A-X	GMV-1065WML/A-X	GMV-1119WML/A-X	GMV-1175WML/A-X
Model(single unit)	—	GMV-450WML/A-X+ GMV-560WML/A-X	GMV-450WML/A-X+ GMV-615WML/A-X	GMV-504WML/A-X+ GMV-615WML/A-X	GMV-560WML/A-X+ GMV-615WML/A-X
Cooling capacity	kW	101.0	106.5	111.9	117.5
Heating capacity	kW	113.0	119.0	125.5	132.0
SEER	Ducted	—	6.83	6.86	6.73
	Cassette	—	7.04	6.93	6.87
SCOP	Ducted	—	4.57	4.42	4.44
	Cassette	—	4.22	4.15	4.10
Outdoor static pressure	Pa	0-40	0-40	0-40	0-40
Power supply	—	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz
Connection pipe	Gas pipe	mm	Φ38.1	Φ38.1	Φ38.1
	Liquid pipe	mm	Φ19.05	Φ19.05	Φ19.05
Outline dimensions (W×D×H)	mm	1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745
Net weight	kg	210+235	210+235	235+235	235+235

Model(combined unit)	—	GMV-1230WML/A-X	GMV-1300WML/A-X	GMV-1350WML/A-X	GMV-1404WML/A-X
Model(single unit)	—	GMV-615WML/A-X+ GMV-615WML/A-X	GMV-400WML/A-X+ GMV-450WML/A-X+ GMV-450WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-450WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-504WML/A-X
Cooling capacity	kW	123.0	130.0	135.0	140.4
Heating capacity	kW	138.0	145.0	150.0	156.5
SEER	Ducted	—	6.62	6.81	6.94
	Cassette	—	6.70	7.00	7.09
SCOP	Ducted	—	4.39	4.70	4.60
	Cassette	—	4.10	4.40	4.33
Outdoor static pressure	Pa	0-40	0-40	0-40	0-40
Power supply	—	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz
Connection pipe	Gas pipe	mm	Φ38.1	Φ38.1	Φ41.3
	Liquid pipe	mm	Φ19.05	Φ19.05	Φ19.05
Outline dimensions (W×D×H)	mm	1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745
Net weight	kg	235+235	210+210+210	210+210+210	210+210+235

Model(combined unit)	—	GMV-1460WML/A-X	GMV-1515WML/A-X	GMV-1570WML/A-X	GMV-1625WML/A-X
Model(single unit)	—	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-560WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-615WML/A-X	GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-560WML/A-X	GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-615WML/A-X
Cooling capacity	kW	146.0	151.5	157.0	162.5
Heating capacity	kW	163.0	169.0	176.0	182.0
SEER	Ducted	—	6.82	6.84	6.75
	Cassette	—	7.03	7.06	6.91
SCOP	Ducted	—	4.61	4.54	4.51
	Cassette	—	4.27	4.18	4.18
Outdoor static pressure	Pa	0-40	0-40	0-40	0-40

Model(combined unit)	—	GMV-1460WML/A-X	GMV-1515WML/A-X	GMV-1570WML/A-X	GMV-1625WML/A-X
Power supply	—	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz
Connection pipe	Gas pipe	mm	Φ41.3	Φ41.3	Φ41.3
	Liquid pipe	mm	Φ19.05	Φ19.05	Φ19.05
Outline dimensions (W×D×H)	mm	1250×460×1745+ 1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745
Net weight	kg	210+210+235	210+210+235	210+235+235	210+235+235

Model(combined unit)	—	GMV-1680WML/A-X	GMV-1735WML/A-X	GMV-1790WML/A-X	GMV-1845WML/A-X
Model(single unit)	—	GMV-450WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	GMV-560WML/A-X+ GMV-560WML/A-X+ GMV-615WML/A-X	GMV-560WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X
Cooling capacity	kW	168.0	173.5	179.0	184.5
Heating capacity	kW	188.0	195.0	201.0	207.0
SEER	Ducted	—	6.67	6.69	6.62
	Cassette	—	6.78	6.81	6.70
SCOP	Ducted	—	4.47	4.42	4.39
	Cassette	—	4.17	4.10	4.10
Outdoor static pressure	Pa	0-40	0-40	0-40	0-40
Power supply	—	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz
Connection pipe	Gas pipe	mm	Φ41.3	Φ41.3	Φ41.3
	Liquid pipe	mm	Φ19.05	Φ19.05	Φ19.05
Outline dimensions (W×D×H)	mm	1250×460×1745+ 1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745
Net weight	kg	210+235+235	235+235+235	235+235+235	235+235+235

Model(combined unit)	—	GMV-1910WML/A-X	GMV-1965WML/A-X	GMV-2020WML/A-X	GMV-2075WML/A-X
Model(single unit)	—	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-560WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-615WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-560WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-615WML/A-X
Cooling capacity	kW	191.0	196.5	202.0	207.5
Heating capacity	kW	213.0	219.0	226.0	232.0
SEER	Ducted	—	6.82	6.83	6.77
	Cassette	—	7.02	7.04	6.91
SCOP	Ducted	—	4.63	4.57	4.55
	Cassette	—	4.30	4.22	4.22
Outdoor static pressure	Pa	0-40	0-40	0-40	0-40
Power supply	—	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz
Connection pipe	Gas pipe	mm	Φ44.5	Φ44.5	Φ44.5
	Liquid pipe	mm	Φ22.2	Φ22.2	Φ22.2
Outline dimensions (W×D×H)	mm	1250×460×1745+ 1250×460×1745+ 1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745+ 1250×460×1745
Net weight	kg	210+210+210+235	210+210+210+235	210+210+235+235	210+210+235+235

Model(combined unit)	—	GMV-2130WML/A-X	GMV-2185WML/A-X	GMV-2240WML/A-X	GMV-2295WML/A-X
Model(single unit)	—	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-560WML/A-X+ GMV-615WML/A-X	GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	GMV-450WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X
Cooling capacity	kW	213.0	218.5	224.0	229.5
Heating capacity	kW	238.0	245.0	251.0	257.0
SEER	Ducted	—	6.70	6.76	6.66
	Cassette	—	6.82	6.91	6.75
SCOP	Ducted	—	4.51	4.48	4.45
	Cassette	—	4.22	4.15	4.15
Outdoor static pressure	Pa	0-40	0-40	0-40	0-40
Power supply	—	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz
Connection pipe	Gas pipe	mm	Φ44.5	Φ44.5	Φ44.5
	Liquid pipe	mm	Φ22.2	Φ22.2	Φ22.2
Outline dimensions (W×D×H)	mm	1250×460×1745+ 1250×460×1745+ 1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745+ 1250×460×1745
Net weight	kg	210+210+235+235	210+235+235+235	210+235+235+235	210+235+235+235

Model(combined unit)	—	GMV-2349WML/A-X	GMV-2405WML/A-X	GMV-2460WML/A-X
Model(single unit)	—	GMV-504WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	GMV-560WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X
Cooling capacity	kW	234.9	240.5	246.0
Heating capacity	kW	263.5	270.0	276.0
SEER	Ducted	—	6.73	6.62
	Cassette	—	6.81	6.70
SCOP	Ducted	—	4.41	4.39
	Cassette	—	4.13	4.10
Outdoor static pressure	Pa	0-40	0-40	0-40
Power supply	—	380-415V 3N~ 50Hz/60Hz	380-415V 3N~ 50Hz/60Hz	330-415V 3N~ 50Hz/60Hz
Connection pipe	Gas pipe	mm	Φ44.5	Φ44.5
	Liquid pipe	mm	Φ22.2	Φ22.2
Outline dimensions (W×D×H)	mm	1250×460×1745+ 1250×460×1745+ 1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745+ 1250×460×1745	1250×460×1745+ 1250×460×1745+ 1250×460×1745+ 1250×460×1745
Net weight	kg	235+235+235+235	235+235+235+235	235+235+235+235

Notes:

- ① Rated cooling capacity test conditions: indoor 27°C DB/19°C WB, outdoor 35°C DB, without height drop between units
- ② Rated heating capacity test conditions: indoor 20°C DB, outdoor 7°C DB/6 °C WB, without height drop between units
- ③ The total capacity of connected indoor units must be in the range of 50%~135% of the outdoor unit capacity. The relevant parameters can be corrected by referring to the unit capacity

correction table.

- ④ The above parameters are tested based on the standard connection pipe length. In the actual project, the parameters should be corrected referring to the capacity correction for the long connection pipe of units.
- ⑤ Specifications may be changed due to product improvement. Please refer to nameplates of the units.
- ⑥ Sound Pressure Level: Anechoic chamber conversion value, measured at a position in front of the unit in a semi-anechoic room. During actual operation, the value may be higher due to ambient noise and echoes of the installation conditions.

3. ELECTRICAL SPECIFICATIONS

Model	Combination method	Power supply	Capacity of circuit breaker of each combination module(A)	Minimum cross-sectional area of grounding wire(mm ²)	Recommended wire (sectional area) (mm ²)
GMV-400WML/A-X	—	380-415V 3N~ 50/60Hz	32	4.0	4.0×5
GMV-450WML/A-X	—	380-415V 3N~ 50/60Hz	40	6.0	6.0×5
GMV-504WML/A-X	—	380-415V 3N~ 50/60Hz	40	6.0	6.0×5
GMV-560WML/A-X	—	380-415V 3N~ 50/60Hz	50	10.0	10.0×5
GMV-615WML/A-X	—	380-415V 3N~ 50/60Hz	50	10.0	10.0×5
GMV-800WML/A-X	GMV-400WML/A-X+ GMV-400WML/A-X	380-415V 3N~ 50/60Hz	32+32	4.0+4.0	4.0×5+4.0×5
GMV-850WML/A-X	GMV-400WML/A-X+ GMV-450WML/A-X	380-415V 3N~ 50/60Hz	32+40	4.0+6.0	4.0×5+6.0×5
GMV-900WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X	380-415V 3N~ 50/60Hz	40+40	6.0+6.0	6.0×5+6.0×5
GMV-954WML/A-X	GMV-450WML/A-X+ GMV-504WML/A-X	380-415V 3N~ 50/60Hz	40+40	6.0+6.0	6.0×5+6.0×5
GMV-1010WML/A-X	GMV-450WML/A-X+ GMV-560WML/A-X	380-415V 3N~ 50/60Hz	40+50	6.0+10.0	6.0×5+10.0×5
GMV-1065WML/A-X	GMV-450WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	40+50	6.0+10.0	6.0×5+10.0×5
GMV-1119WML/A-X	GMV-504WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	40+50	6.0+10.0	6.0×5+10.0×5
GMV-1175WML/A-X	GMV-560WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	50+50	10.0+10.0	10.0×5+10.0×5
GMV-1230WML/A-X	GMV-615WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	50+50	10.0+10.0	10.0×5+10.0×5
GMV-1300WML/A-X	GMV-400WML/A-X+ GMV-450WML/A-X+ GMV-450WML/A-X	380-415V 3N~ 50/60Hz	32+40+40	4.0+6.0+6.0	4.0×5+6.0×5+6.0×5
GMV-1350WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-450WML/A-X	380-415V 3N~ 50/60Hz	40+40+40	6.0+6.0+6.0	6.0×5+6.0×5+6.0×5

Model	Combination method	Power supply	Capacity of circuit breaker of each combination module(A)	Minimum cross-sectional area of grounding wire(mm ²)	Recommended wire (sectional area) (mm ²)
GMV-1404WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-504WML/A-X	380-415V 3N~ 50/60Hz	40+40+40	6.0+6.0+6.0	6.0×5+6.0×5+6.0×5
GMV-1460WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-560WML/A-X	380-415V 3N~ 50/60Hz	40+40+50	6.0+6.0+10.0	6.0×5+6.0×5+10.0×5
GMV-1515WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	40+40+50	6.0+6.0+10.0	6.0×5+6.0×5+10.0×5
GMV-1570WML/A-X	GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-560WML/A-X	380-415V 3N~ 50/60Hz	40+50+50	6.0+10.0+10.0	6.0×5+10.0×5+10.0×5
GMV-1625WML/A-X	GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	40+50+50	6.0+10.0+10.0	6.0×5+10.0×5+10.0×5
GMV-1680WML/A-X	GMV-450WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	40+50+50	6.0+10.0+10.0	6.0×5+10.0×5+10.0×5
GMV-1735WML/A-X	GMV-560WML/A-X+ GMV-560WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	50+50+50	10.0+10.0+10.0	10.0×5+10.0×5+10.0×5
GMV-1790WML/A-X	GMV-560WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	50+50+50	10.0+10.0+10.0	10.0×5+10.0×5+10.0×5
GMV-1845WML/A-X	GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	50+50+50	10.0+10.0+10.0	10.0×5+10.0×5+10.0×5
GMV-1910WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-560WML/A-X	380-415V 3N~ 50/60Hz	40+40+40+50	6.0+6.0+6.0+10.0	6.0×5+6.0×5+6.0×5+10.0×5
GMV-1965WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	40+40+40+50	6.0+6.0+6.0+10.0	6.0×5+6.0×5+6.0×5+10.0×5
GMV-2020WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-560WML/A-X	380-415V 3N~ 50/60Hz	40+40+50+50	6.0+6.0+10.0+10.0	6.0×5+6.0×5+10.0×5+10.0×5
GMV-2075WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	40+40+50+50	6.0+6.0+10.0+10.0	6.0×5+6.0×5+10.0×5+10.0×5
GMV-2130WML/A-X	GMV-450WML/A-X+ GMV-450WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	40+40+50+50	6.0+6.0+10.0+10.0	6.0×5+6.0×5+10.0×5+10.0×5
GMV-2185WML/A-X	GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-560WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	40+50+50+50	6.0+10.0+10.0+10.0	6.0×5+10.0×5+10.0×5+10.0×5
GMV-2240WML/A-X	GMV-450WML/A-X+ GMV-560WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	40+50+50+50	6.0+10.0+10.0+10.0	6.0×5+10.0×5+10.0×5+10.0×5
GMV-2295WML/A-X	GMV-450WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	40+50+50+50	6.0+10.0+10.0+10.0	6.0×5+10.0×5+10.0×5+10.0×5

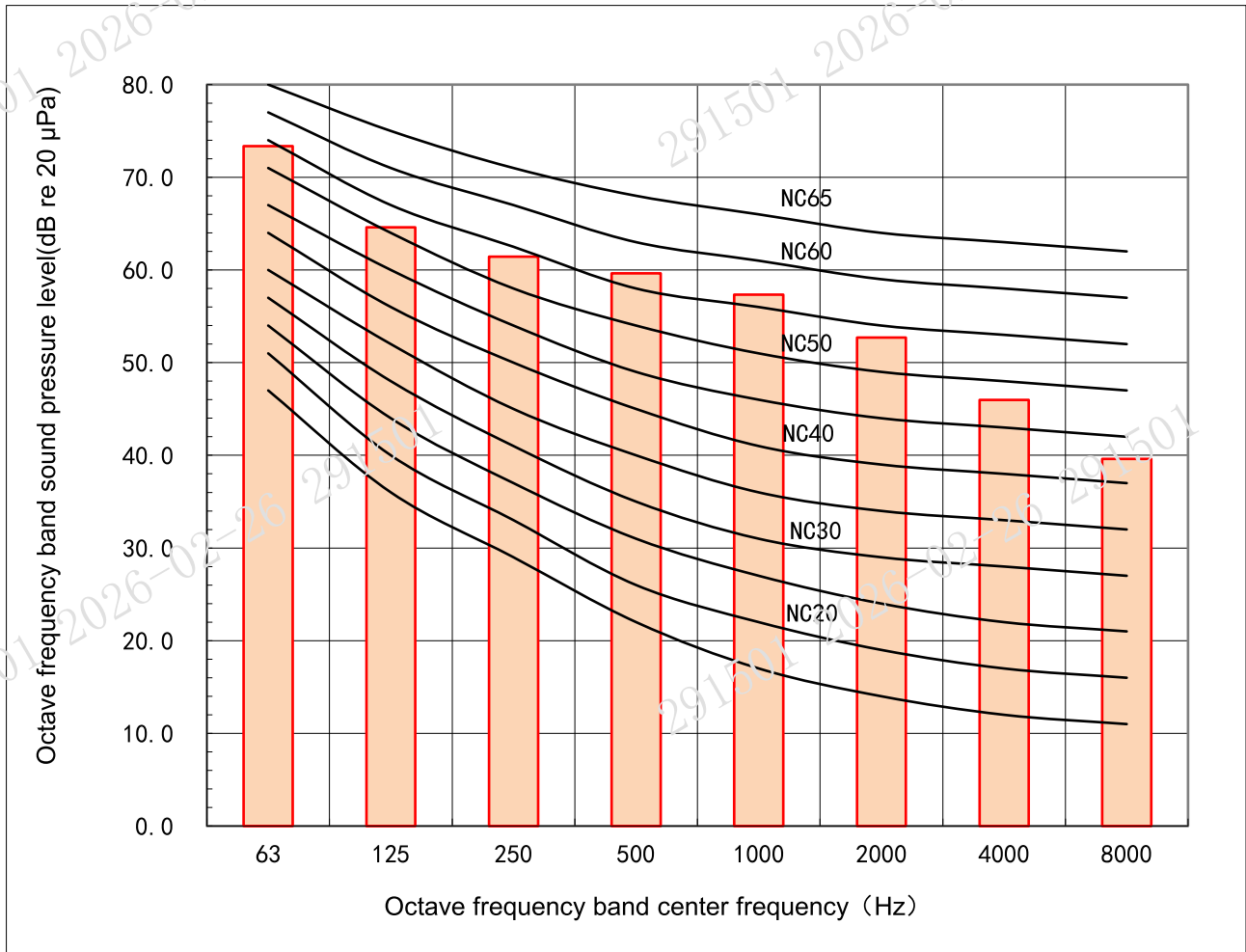
Model	Combination method	Power supply	Capacity of circuit breaker of each combination module(A)	Minimum cross-sectional area of grounding wire(mm ²)	Recommended wire (sectional area) (mm ²)
GMV-2349WML/A-X	GMV-504WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	40+50+50+50	6.0+10.0+10.0+10.0	6.0×5+10.0×5+10.0×5+10.0×5
GMV-2405WML/A-X	GMV-560WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	50+50+50+50	10.0+10.0+10.0+10.0	10.0×5+10.0×5+10.0×5+10.0×5
GMV-2460WML/A-X	GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X+ GMV-615WML/A-X	380-415V 3N~ 50/60Hz	50+50+50+50	10.0+10.0+10.0+10.0	10.0×5+10.0×5+10.0×5+10.0×5

Notes:

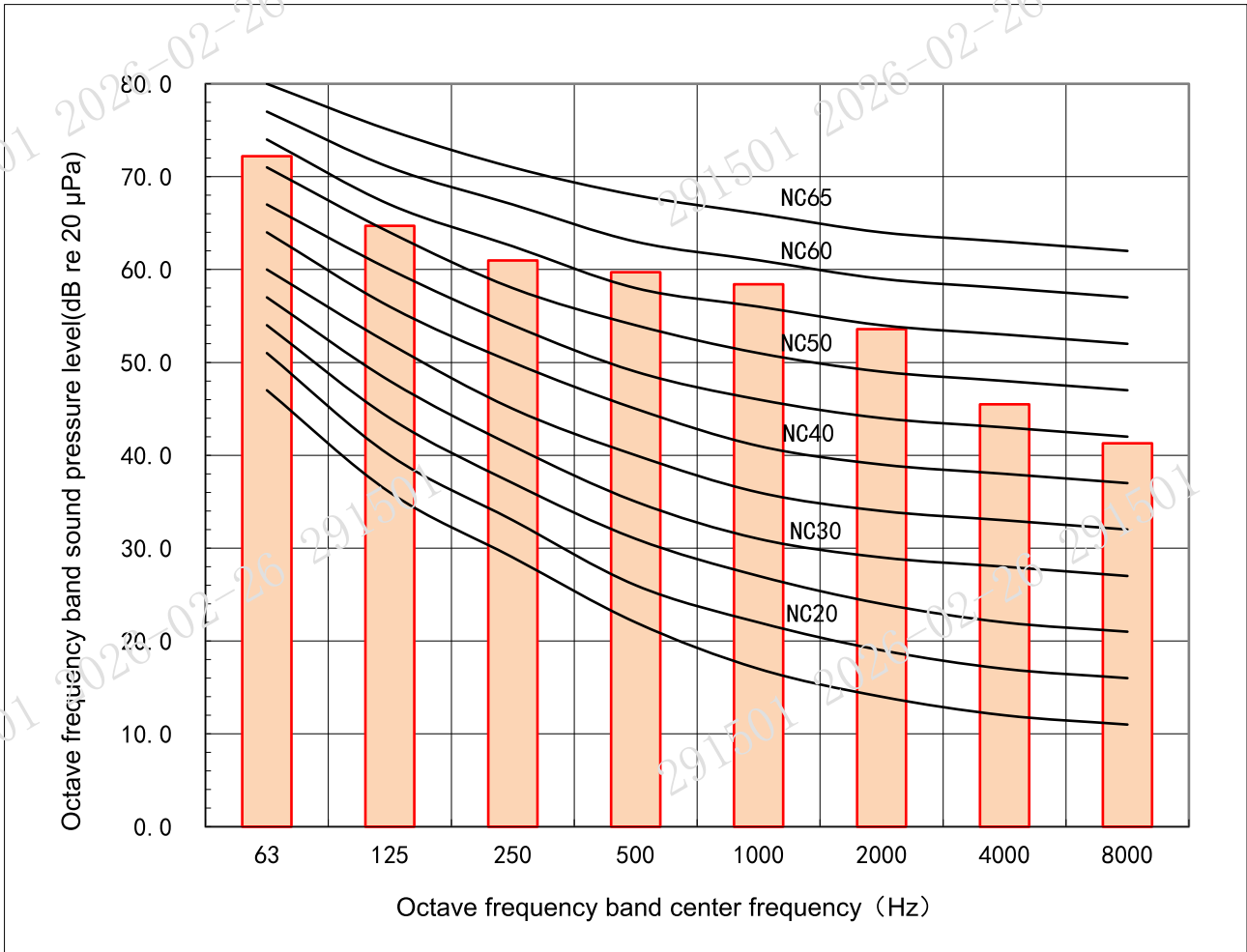
- ① The circuit breaker and power cable specifications are selected according to the maximum unit power (maximum current).
- ② The power cable specifications are obtained under the condition that the multi-copper core cable (such as YJV copper-core XLPE insulated PVC sheathed power cable) is surface mounted in cable trunking (the ambient temperature of use is 40℃ and the cable operating temperature is 90℃) (IEC60364-5-523). If the working environment is different, calculating and adjusting the specifications according to the relatively applicable local standard.
- ③ The copper core cable must be used.
- ④ The engineering wiring should meet the requirements of IEC 60364-5-52 to ensure that the line voltage drop meets the requirements and the voltage is not lower than the lowest limit of the nominal value of equipment.
- ⑤ The circuit breaker specification is obtained under the condition that the ambient temperature is 40℃ when the circuit breaker is operating. If the working environment is different, calculating and adjusting the specifications according to the instructions on circuit breaker specifications.
- ⑥ The circuit breaker should provide the magnetic trip and thermal trip functions at the same time to ensure protection in the case of short circuit and overload situation.

4. UNIT NOISE CURVES

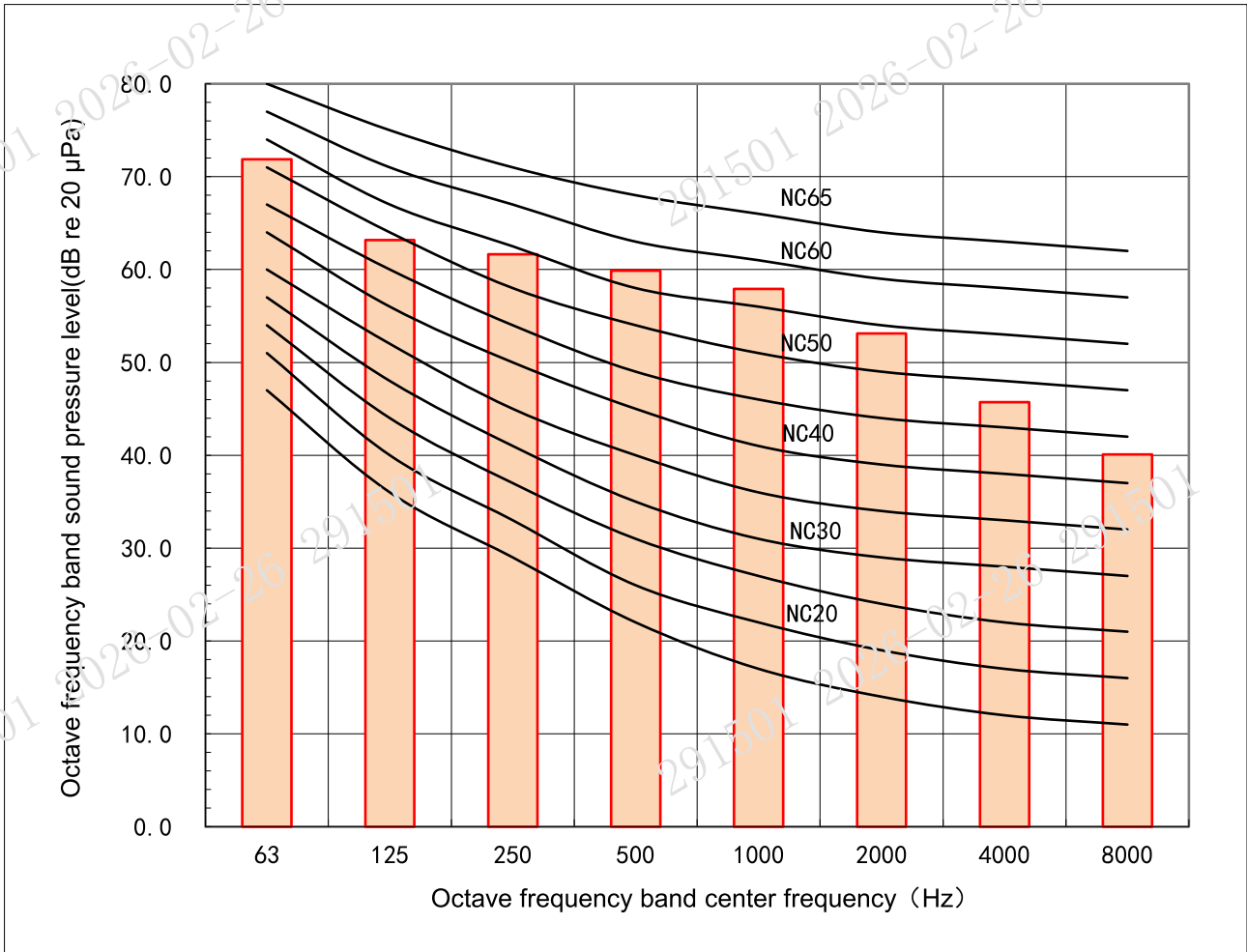
GMV-400WML/A-X



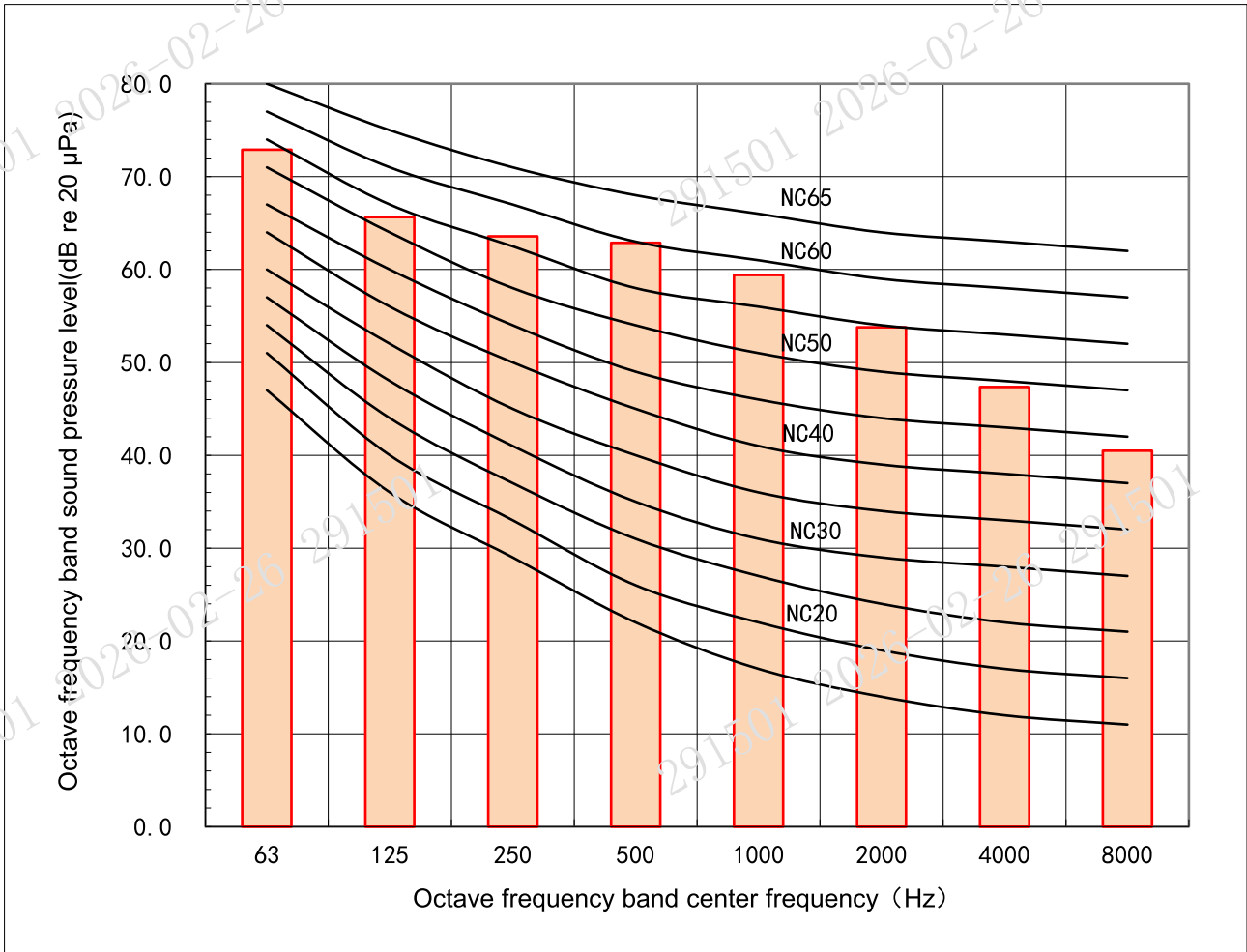
GMV-450WML/A-X



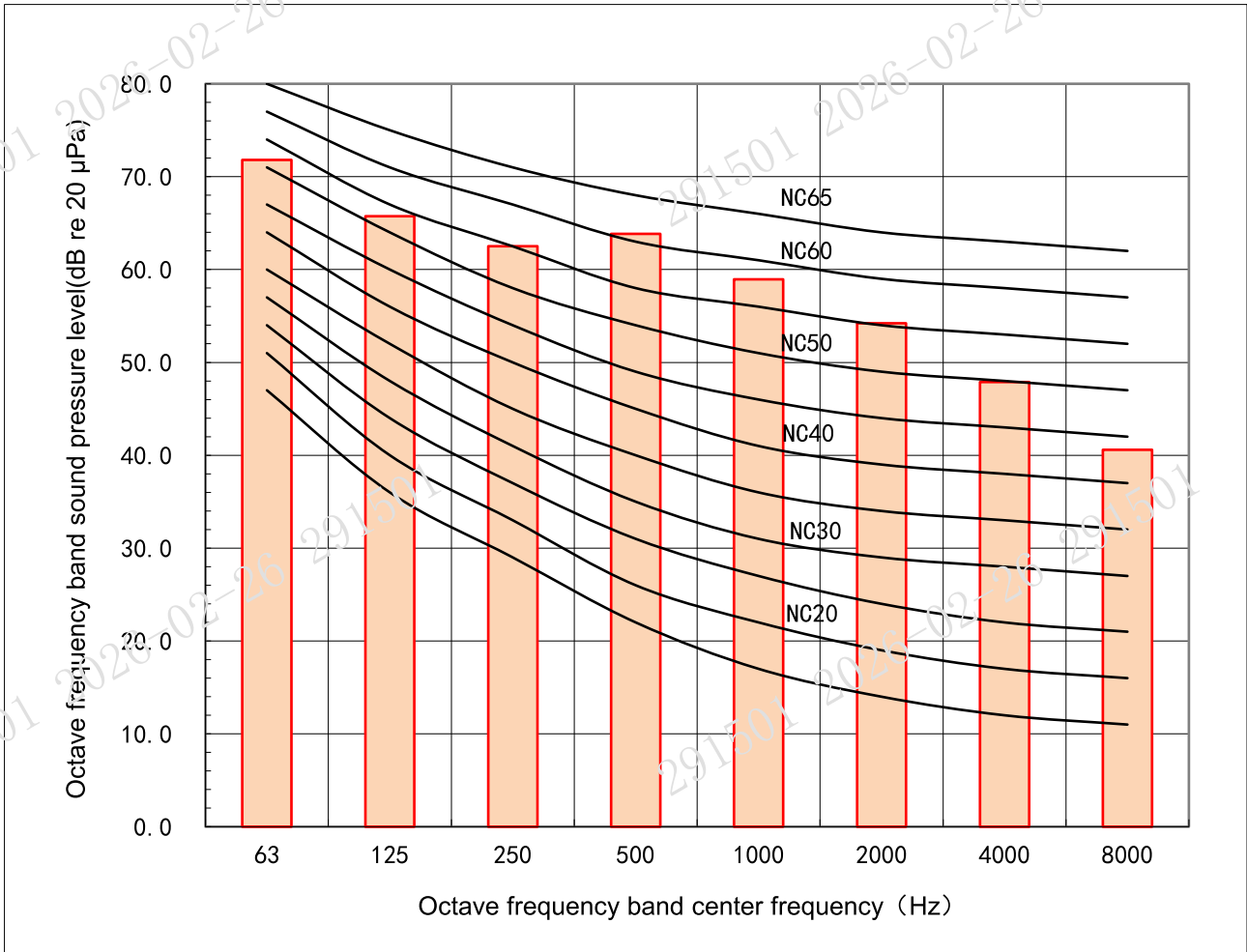
GMV-504WML/A-X



GMV-560WML/A-X



GMV-615WML/A-X

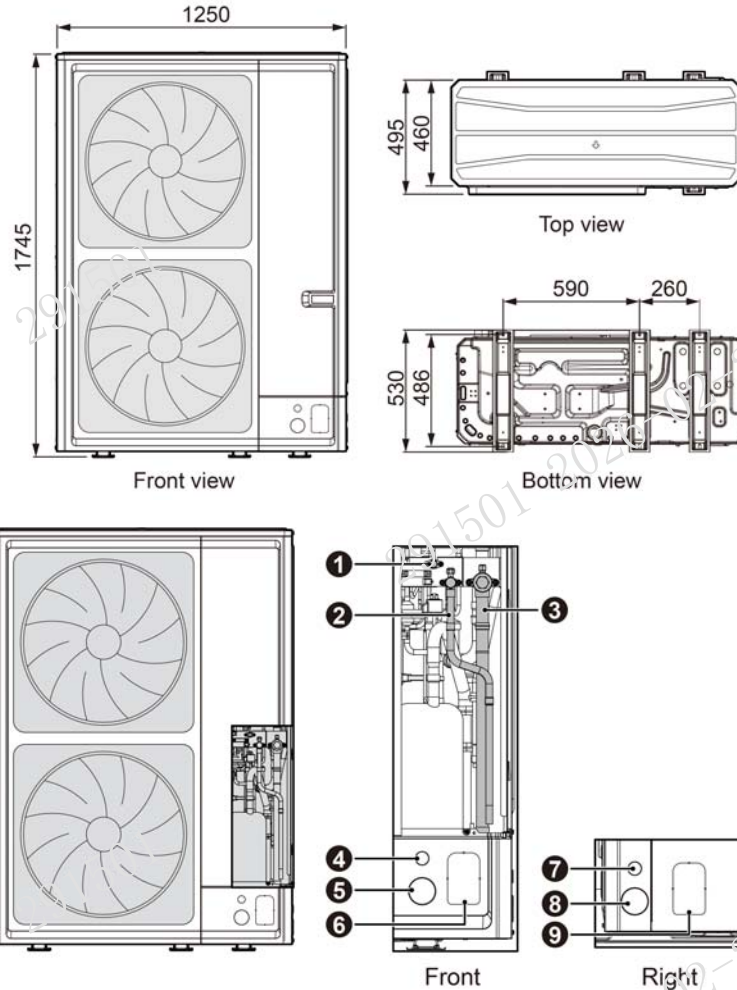


5. UNIT INSTALLATION SPACE REQUIREMENTS

5.1 Outline Dimension and Installation Hole

GMV-400WML/A-X、GMV-450WML/A-X、GMV-504WML/A-X、GMV-560WML/A-X and GMV-615WML/A-X.

Unit: mm



No.	Name	GMV-400WML/A-X	GMV-450WML/A-X	GMV-504WML/A-X	GMV-560WML/A-X	GMV-615WML/A-X
②	Liquid pipe	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9
③	Gas pipe	Φ25.4	Φ28.6	Φ28.6	Φ28.6	Φ28.6

No.	Name	Pipe diameter
①	Low pressure check valve	—
④	Front communication cable hole	Φ27.5
⑤	Front power cable hole	Φ55
⑥	Front tube hole	120×75
⑦	Right communication cable hole	Φ27.5
⑧	Right power cable hole	Φ55
⑨	Right tube hole	120×75

5.2 Location Selection Cautions for ODU

Conditions for selecting the installation position:

- (1) Install the unit at a place where is adequate to withstand the weight of the unit and make sure the unit would not shake or fall off, and would not produce abnormal noise and vibration.
- (2) Fully consider the influence of strong winds, typhoons and earthquakes when selecting the installation site, and strengthen the installation.
- (3) The influence of flammable, explosive, corrosive gases or exhaust gases should be avoided.
- (4) Ensure that there is a certain space for heat exchanging and maintenance, so that the ventilation is smooth and the running is reliable.
- (5) Outdoor units and indoor units should be as close as possible to minimize the length and angle of the cooling pipes.
- (6) Do not allow children to approach the unit. Preventive measures should be taken to prevent children from contacting the unit.
- (7) The unit should not be installed in places with high environmental pH or high voltage fluctuations, and places such as vehicles and ships.
- (8) Do not install the unit at the place where is close to the equipment that generates electromagnetic waves. Electromagnetic waves can affect the control system and cause fault.
- (9) Do not install the unit at the place where seasonal winds can directly blow onto the heat exchanger or the wind created by gaps between buildings can directly blow onto the unit's fan.
- (10) The unit should be installed in a shaded area or a place that will not be exposed to direct sunlight and high-temperature heat sources.
- (11) The unit should be installed at the place where the noise generated during operation and the discharged airflow will not affect neighbors or surrounding ventilation.

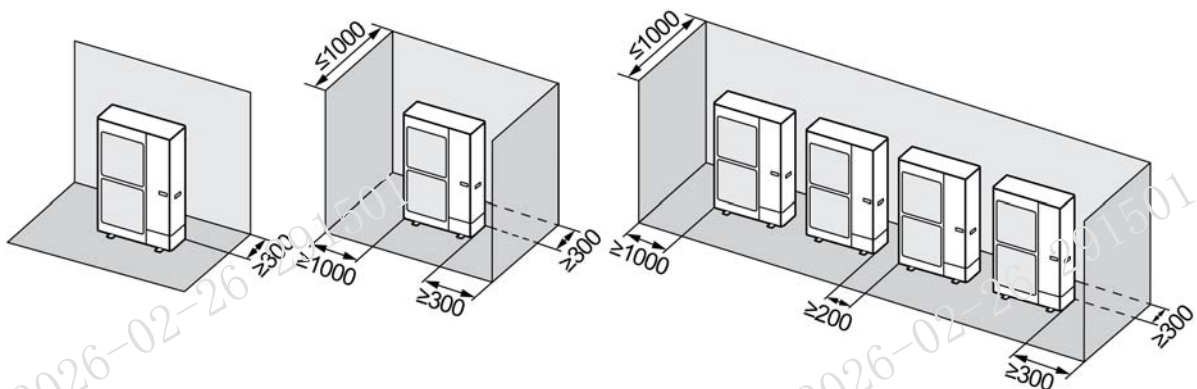
5.3 Installation Space Requirements for ODU

- (1) In all installation examples in this section, the connection pipe of the outdoor unit is installed in the forward direction.
- (2) The unit supports pipe routing in the front, right and back directions, and the installation distance of pipe routing is greater than 250mm.
- (3) When two or more outdoor units are installed side by side, the distance between two adjacent outdoor units must be greater than 200mm.
- (4) As for the installation space for the unit, maintenance space and the requirements for the smooth ventilation of the unit should be considered. There are obstacles at the air inlet side and no obstacle at the air discharge side.
- (5) When units are centrally placed, stacked, or multi-layer placed, we should consider whether the air flow discharged from the units will form a short-circuit return air. To avoid this situation, air pipes should be installed according to the actual situation, or airflow organization simulation analysis should be carried out by professionals before installation. The placement position should be adjusted according to the simulation results until the ventilation requirements of the units are met.

- 1) There are obstacles at the air inlet side and no obstacle at the air discharge side.

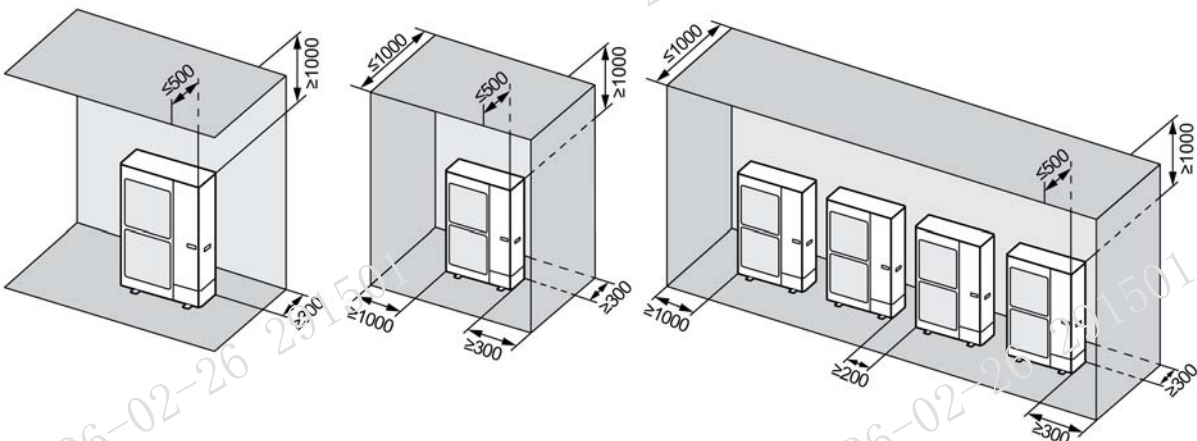
- A. If there is no obstacle above the outdoor unit, the space requirements are as follows:

Unit: mm



- B. If there are also obstacles above the outdoor unit, the space requirements are as follows:

Unit: mm



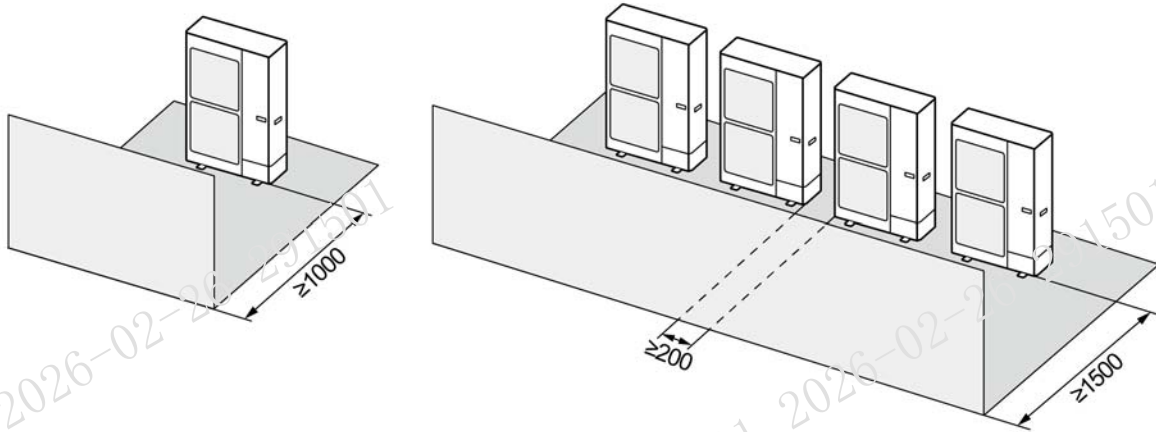
Note:

When the outdoor unit is installed in a space surrounded by three sides of walls or also with a wall above it, the length of the left and right walls of the unit must not exceed 1,000mm. Otherwise, flexible air duct should be added to guide the air.

- 2) There are obstacles at the air discharge side and no obstacle at the air inlet side

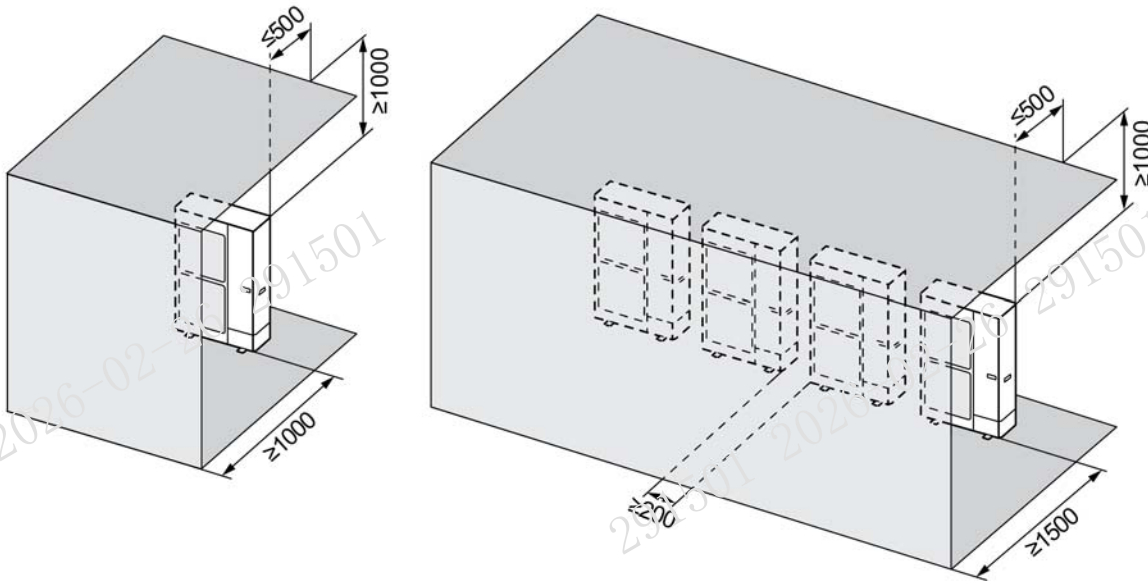
- A. If there is no obstacle above the outdoor unit, the space requirements are as follows:

Unit: mm



- B. If there are also obstacles above the outdoor unit, the space requirements are as follows:

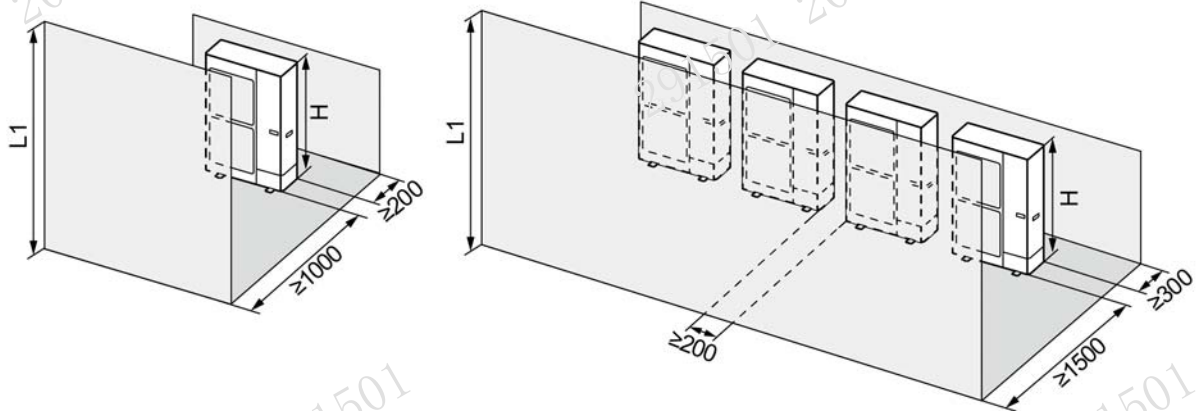
Unit: mm



3) There are obstacles both at the air discharge side and the air inlet side.

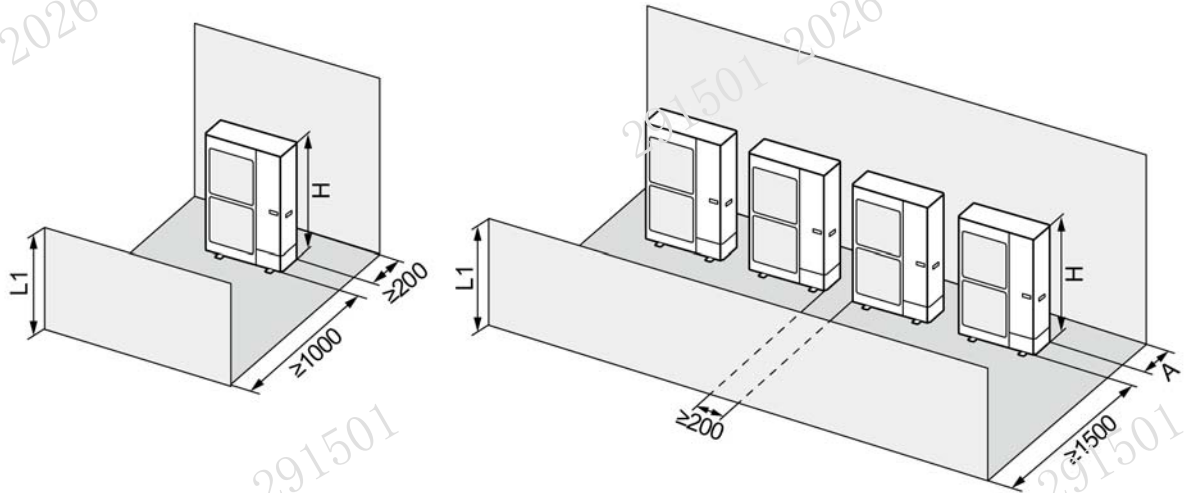
A. If there is no obstacle above the outdoor unit ($L1 > H$), the space requirements are as follows:

Unit: mm



B. If there is no obstacle above the outdoor unit ($L1 < H$), the space requirements are as follows:

Unit: mm

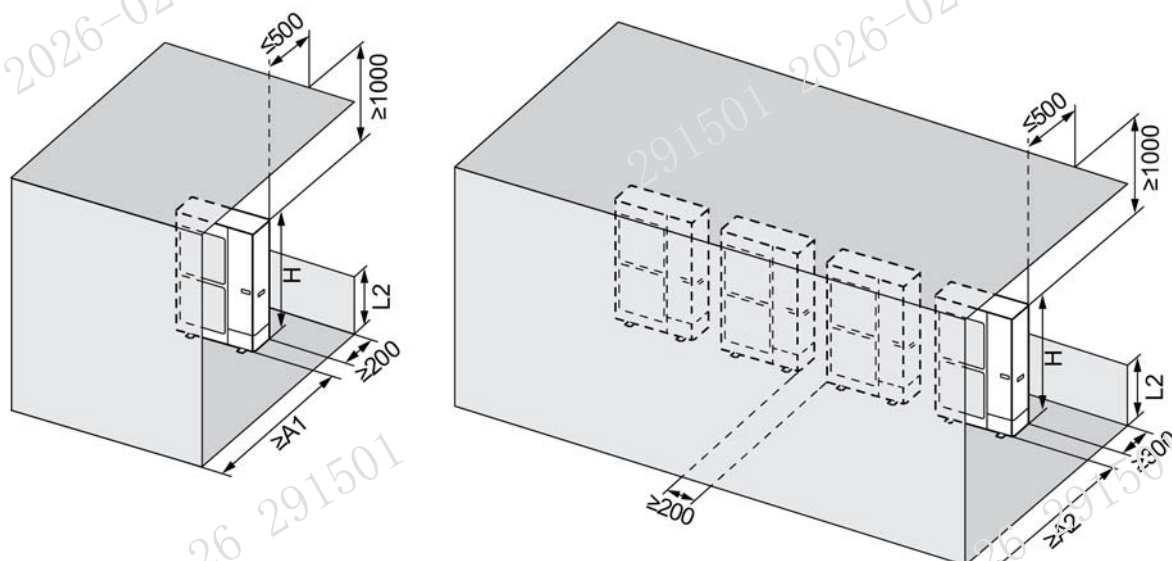


Unit: mm

L1	A
$0 < L1 < 1/2H$	250
$1/2H \leq L1 \leq H$	300

C. If there are also obstacles above the outdoor unit, the space requirements are as follows:

Unit: mm

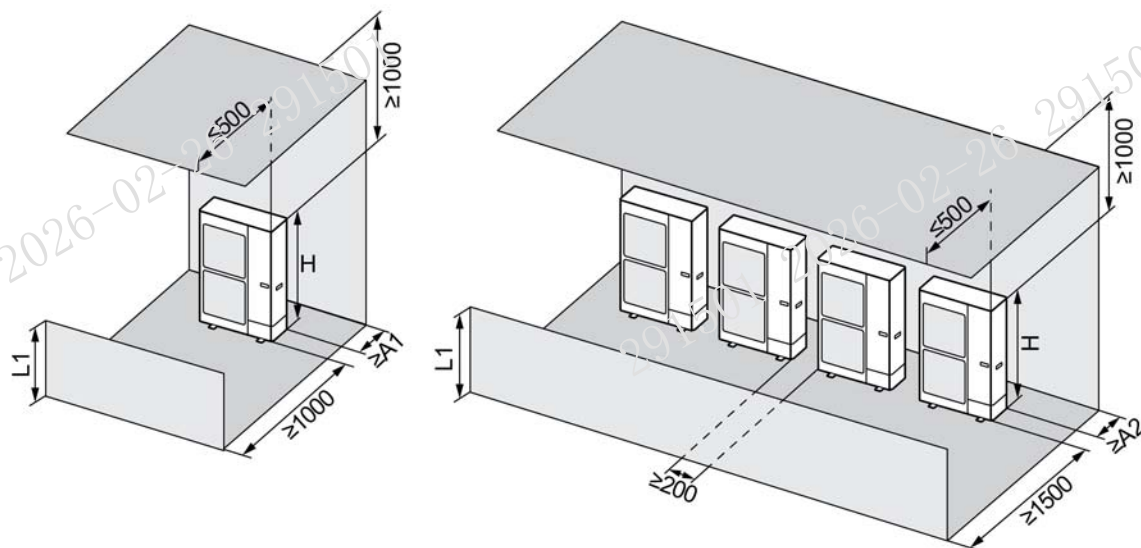


Unit: mm

L2		A1	A2
L2 ≤ H	0 < L2 < 1/2 H	1000	1500
	1/2 H ≤ L2 ≤ H	1250	1750
L2 > H		Increase the installation height of the unit to meet "L2 ≤ H", or install air duct to discharge the air out of this space.	

D. If the height of the obstacle at the air discharge side is lower than that of the outdoor unit (L1 ≤ H), and there are also obstacles above it, the space requirements are as follows:

Unit: mm



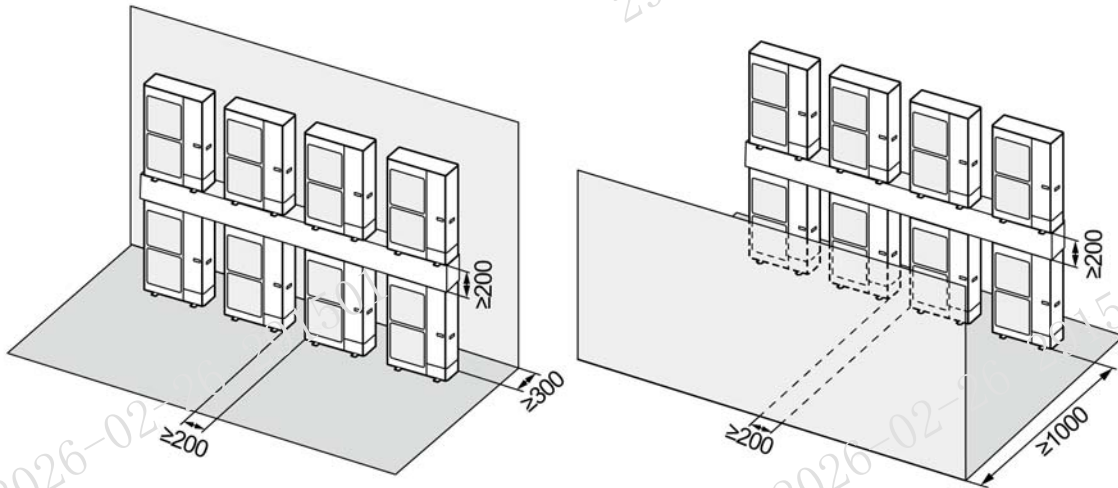
Unit: mm

L1		A1	A2
L1 ≤ H	0 < L1 < 1/2 H	200	300
	1/2 H ≤ L1 ≤ H	300	450
L1 > H		Increase the installation height of the unit to meet "L1 ≤ H", or install air duct to discharge the air out of this space	

4) Stacking installation of outdoor unit

Only two layers are allowed in stacking installation. If this installation way is adopted, centralized drainage must be configured for the upper outdoor unit. Stack installation is prohibited in cold areas. The space requirements are as follows:

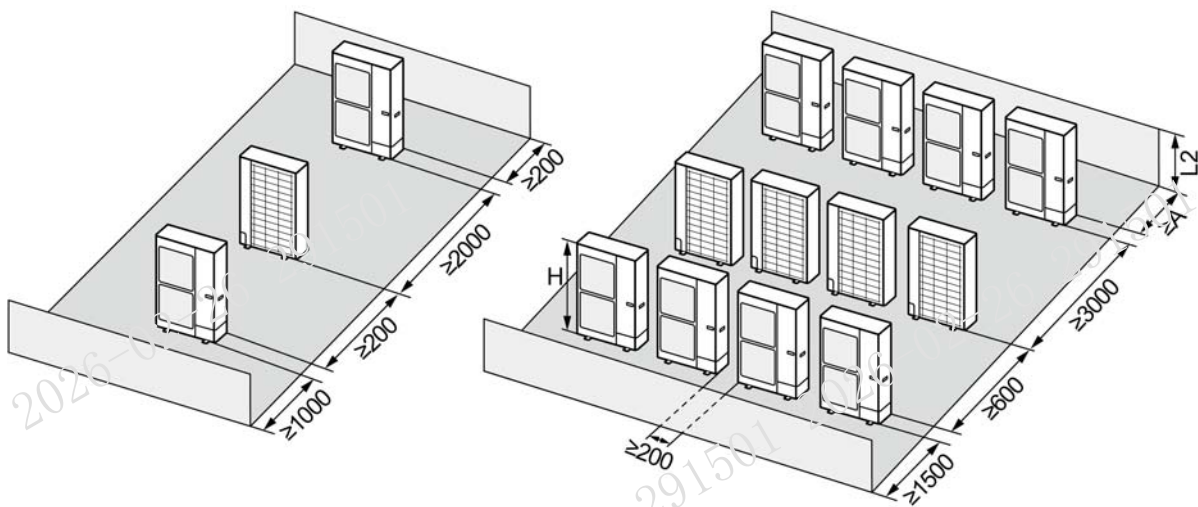
Unit: mm



5) The outdoor units are installed in multiple rows on the roof

A. The space requirements are as follows:

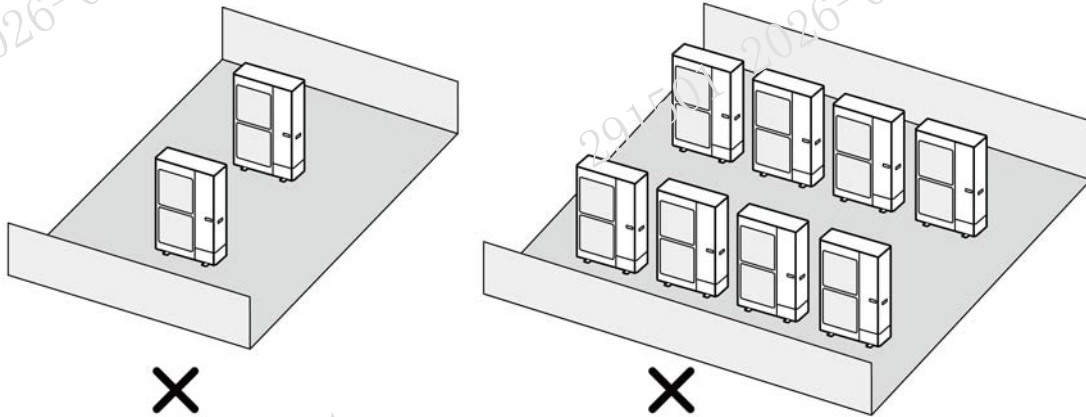
Unit: mm



Unit: mm

L2		A
L2≤H	0<L2<1/2H	300
	1/2H≤L2≤H	450
L2>H		Increase the installation height of the unit to meet “L2≤H”, or install air duct to discharge the air out of this space

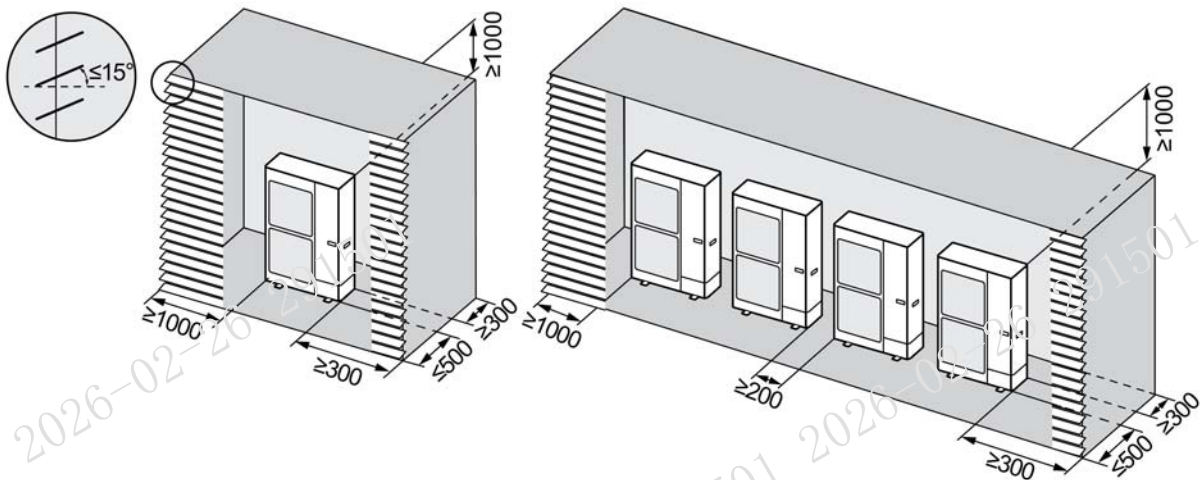
- B. When the outdoor units are installed in multiple rows, do not install them with the air discharge side right facing the air inlet side.



6) Installation requirements for outdoor unit installed in a space with shutter

- A. When the outdoor unit is installed in a space with shutter, the distance between the air outlet and the shutter must be no more than 0.5m. When the distance between the air outlet and the shutter cannot meet the requirements, air duct must be installed.
- B. The louver opening rate of the shutter is greater than 90%, and the louver angle is less than 15° .

Unit: mm



Notes:

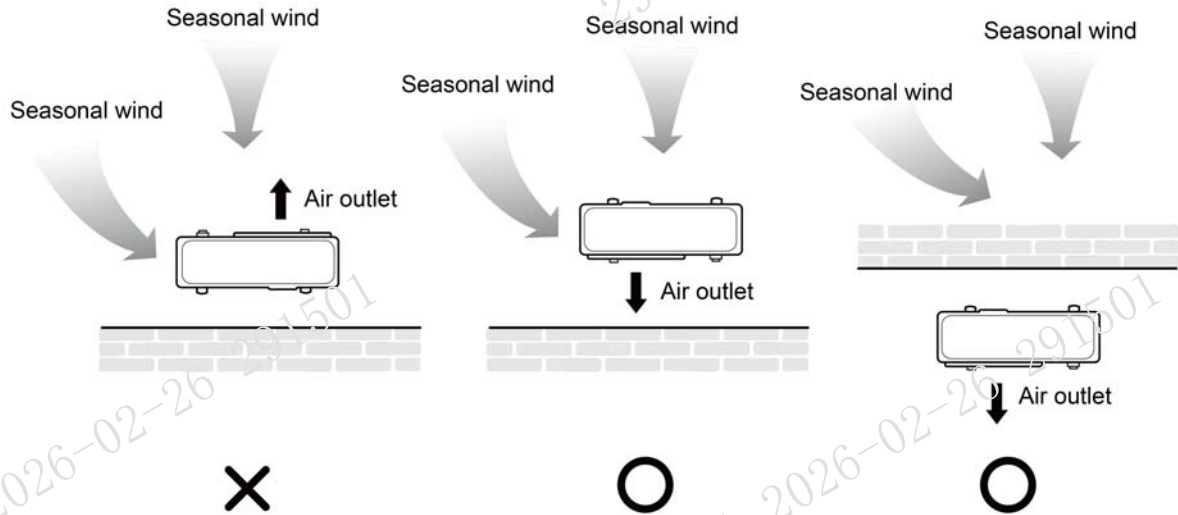
- ① The installation space shown above is in the premise that the unit operates in cooling at an outdoor temperature of 35°C . If the outdoor temperature exceeds 35°C or the heat load is large, and all outdoor units are operating at excess capacity, the space required by the air inlet side must be increased.
- ② If the above conditions for installation space cannot be met, air duct shall be added.

5.4 Installation Requirements for Areas with Special Climates

Installation requirements for freezing cold or snowy areas:

(1) Installation requirements for outdoor unit installed in a space with shutter

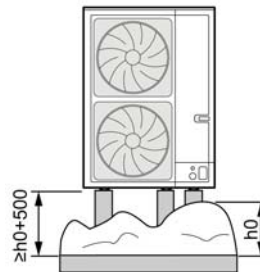
- 1) Select an installation site where snow will not affect the normal operation of the unit.
- 2) Select an installation site where the wind will not blow directly to the air outlet or air inlet.



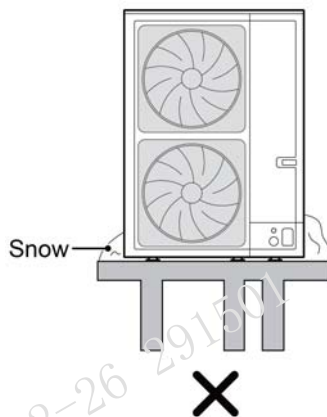
(2) Requirements for installation base

- 1) The height of the installation base should consider the maximum snowfall in that area. The height of the base should be at least 500mm higher than the predicted maximum snowfall, to prevent the bottom of the unit from being covered by snow.

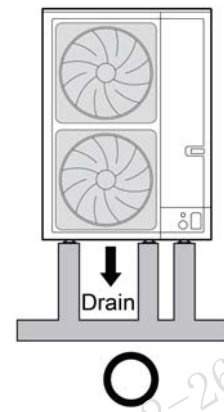
Unit: mm



- 2) In the freezing cold areas, the longitudinal base shall be adopted to prevent snow and ice accumulation and affecting the drainage of the chassis.



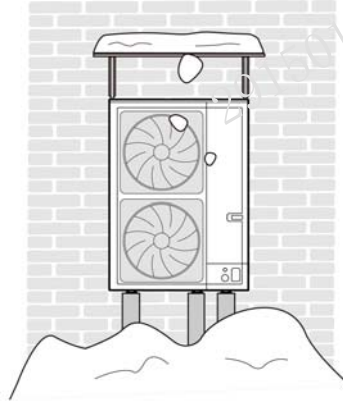
Snow accumulation affects heat exchange



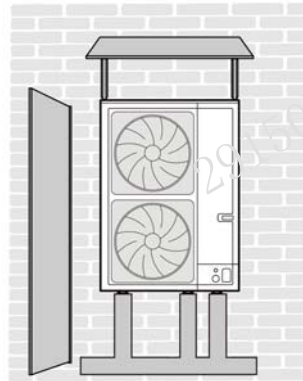
The unit drains smoothly

(3) Installation of protective devices

- 1) If there is a possibility of horizontal snow, it is recommended to install a horizontal shelter to ensure that the heat exchanger is not affected by snow.



- 2) To prevent exposure to snow, install a baffle at the air return side and the top of the outdoor unit.

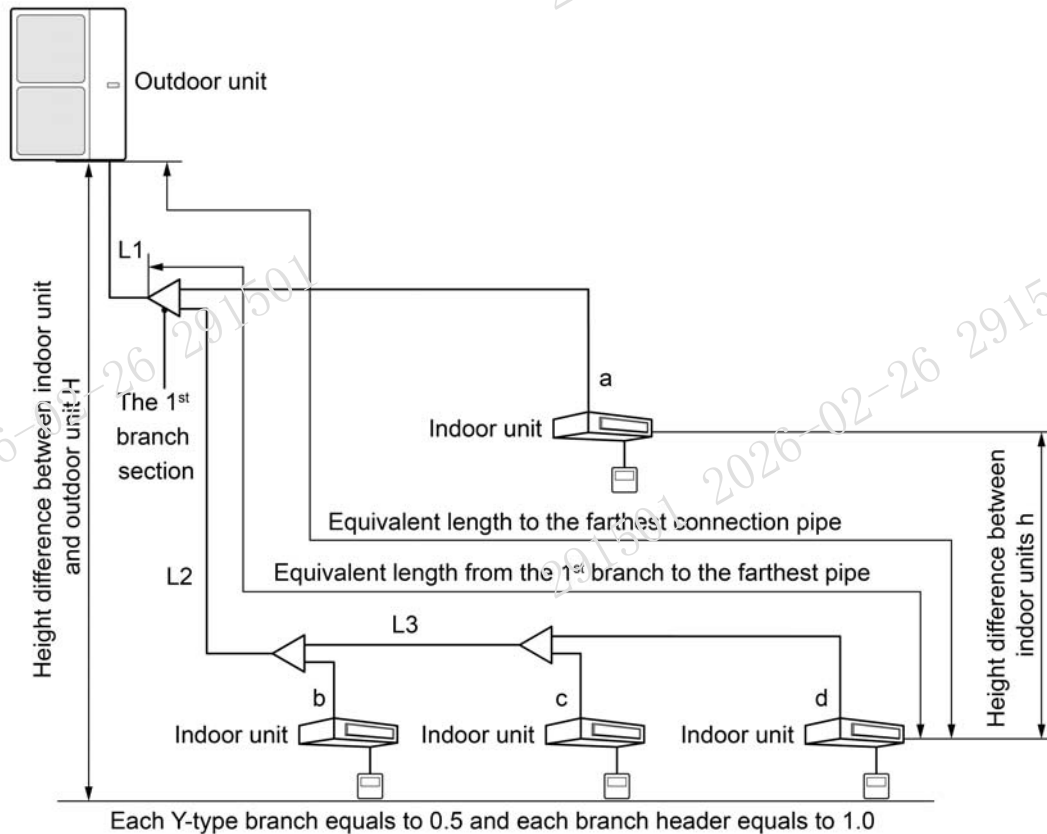


- (4) When installing the unit in a place with a large amount of snow, the air inlet grille should be removed to prevent snow accumulated on the fins.
- (5) For freezing cold or snowy areas, it is prohibited to adopt the installation way with centralized drainage. Otherwise, the drainage pipe and the chassis will ice up. If this cannot be avoided, please take appropriate measures to prevent ice blockage of centralized drainage, for example, adding electric heater to drainage pipe.

6. PIPING DESIGN

6.1 Allowable Pipe Length and Height Difference among Indoor and Outdoor Units

"Y" type branch is adopted to connect the indoor and outdoor units. Connecting method is shown below.



The equivalent distance of the outdoor branch pipe is 0.5m, and the equivalent distance of the indoor branch pipe is 0.5m.

Item		Length (m)	Remark
Total length (actual length) of fitting pipe		560	$L1+L2+L3+a+b+c+d$
Length of farthest fitting pipe(m)	Actual length	150	$L1+L2+L3+d$
	Equivalent length	175	—
Equivalent length from the first branch to the furthest indoor unit*1		40	$L2+L3+d$
Height difference between outdoor unit and indoor unit $H*2$	Outdoor unit at upper	50	—
	Outdoor unit at lower	40	—
Height difference between indoor units		30	—

NOTES:

- (1) Under normal conditions, the pipe length from the first branch pipe of the indoor unit to the farthest indoor unit should no more than 40m. When all of the following conditions are met, the pipe length can reach 90m.

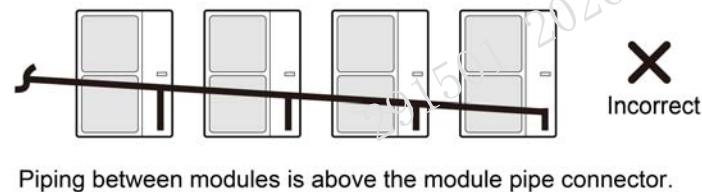
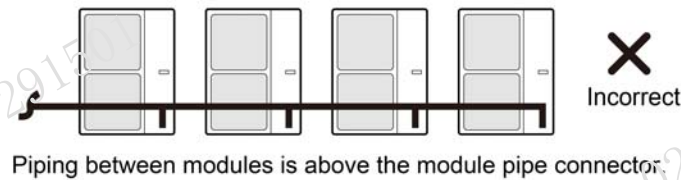
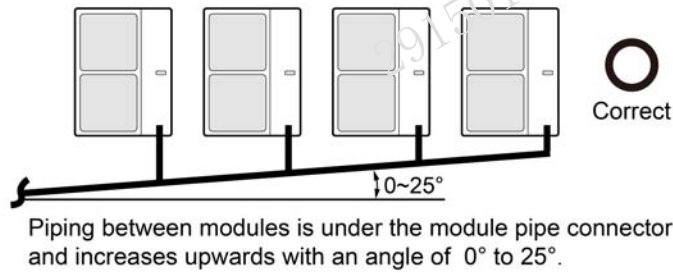
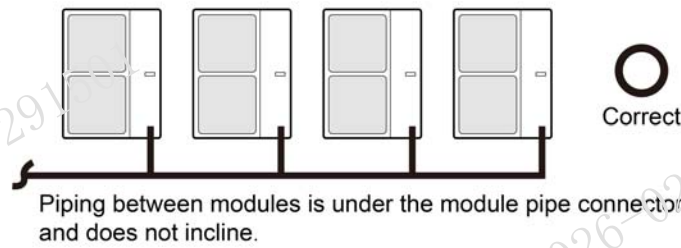
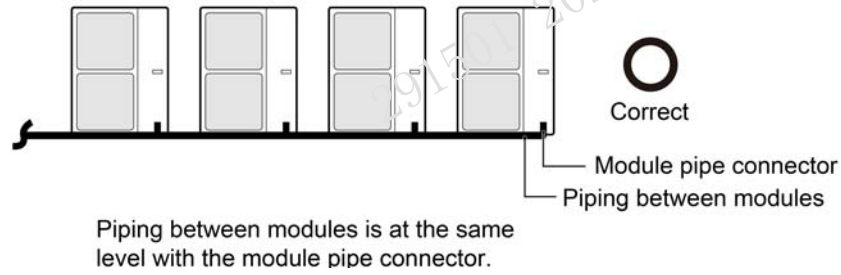
- 1) The distance from each indoor unit to the nearest branch pipe "a", "b", "c" and "d" should no more than 40m.
- 2) The difference in pipe length between the farthest and nearest indoor units from the first indoor branch pipe (L_2+L_3+d) - a ≤ 40 m.
- 3) The gas pipe between the first indoor branch pipe and the farthest indoor unit's branch pipe is increased by one size. If the pipe diameter is the same as that of the main outdoor pipe, there is no need to increase the size.
- (2) When the drop between indoor units is greater than 15m, the liquid pipe between the outdoor unit and the first indoor branch pipe shall be enlarged.
- (3) When the maximum distance of the main pipe between the outdoor unit and the first indoor branch pipe is ≥ 90 m, the diameter of the gas pipe and the liquid pipe of the main pipe should be adjusted according to the following table.

Outdoor module Q (kW)	Pipe between ODU and the first branch of IDU			
	Maximum length between ODU and main pipe of the first branch pipe of IDU < 90 m		Maximum length between ODU and main pipe of the first branch pipe of IDU ≥ 90 m	
	Gas pipe size(mm)	Liquid pipe size(mm)	Gas pipe size(mm)	Liquid pipe size(mm)
40	$\Phi 25.4$	$\Phi 12.7$	$\Phi 28.6$	$\Phi 15.9$
$40 < Q \leq 45$	$\Phi 28.6$	$\Phi 12.7$	$\Phi 31.8$	$\Phi 15.9$
$45 < Q \leq 68$	$\Phi 28.6$	$\Phi 15.9$	$\Phi 31.8$	$\Phi 19.05$
$68 < Q \leq 78.5$	$\Phi 31.8$	$\Phi 19.05$	$\Phi 31.8$	$\Phi 19.05$
$78.5 < Q \leq 95.2$	$\Phi 31.8$	$\Phi 19.05$	$\Phi 38.1$	$\Phi 22.2$
$95.2 < Q \leq 110$	$\Phi 38.1$	$\Phi 19.05$	$\Phi 41.3$	$\Phi 22.2$
$110 < Q \leq 136$	$\Phi 38.1$	$\Phi 19.05$	$\Phi 41.3$	$\Phi 22.2$
$136 < Q \leq 186$	$\Phi 41.3$	$\Phi 19.05$	$\Phi 44.5$	$\Phi 22.2$
$186 < Q \leq 272$	$\Phi 44.5$	$\Phi 22.2$	$\Phi 51.4$	$\Phi 25.4$
$Q > 272$	$\Phi 51.4$	$\Phi 25.4$	$\Phi 54.1$	$\Phi 28.6$

- (4) If the distance between the indoor unit and its nearest branch pipe is > 15 m, then the diameter of indoor liquid pipe and gas pipe shall be enlarge if the diameter of indoor liquid pipe is ≤ 6.35 mm, and the diameter of indoor gas pipe is ≤ 9.52 mm.
- (5) If you have any doubt about the specification of pipe diameter, please consult the engineer.

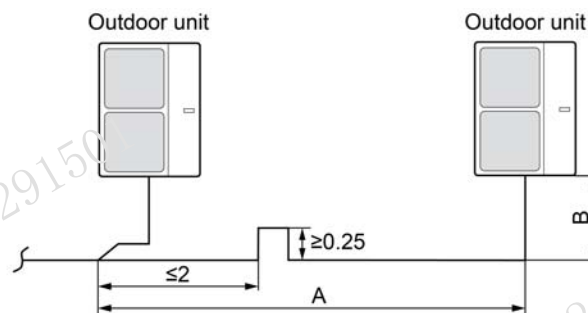
6.2 Installation Requirements for Pipes among Outdoor Units

- (1) The pipe among the outdoor modules must be the same level or tilted upwards. Otherwise, the refrigeration oil will remain in the pipe.



- (2) The drop and the length of the pipe between the outdoor units are as follows.

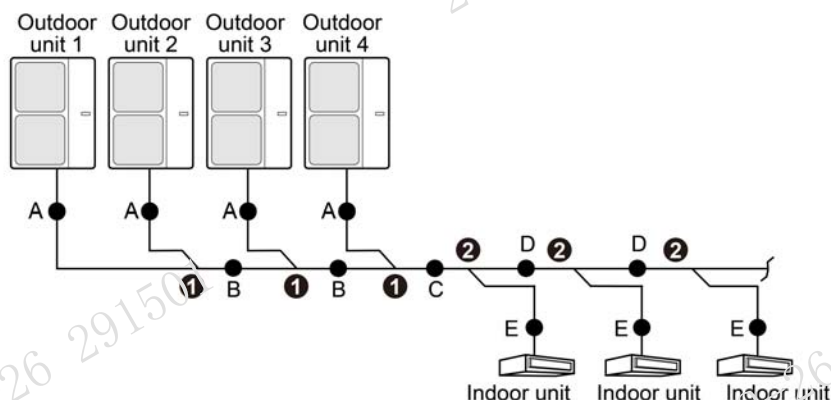
Unit: m



Note:

When the distance A+B between the outdoor modules exceeds 2m, U-type oil trap should be added at low-pressure gas pipe and is no more than 2m away from the outdoor manifold, and $A+B \leq 10m$. The height drop among the outdoor units is 0m.

6.3 Piping Selection



(1) When several ODU need to be modular combined, the capacity of each ODU should be: $ODU 4 \geq ODU 3 \geq ODU 2 \geq ODU 1$.

(2) Pipe "A" between the outdoor unit and the manifold of outdoor unit.

The pipe size is based on the capacity of upstream module.

Basic module	Pipe between ODU and the first branch of IDU	
	Gas pipe(mm)	Liquid pipe(mm)
GMV-400WML/A-X	Φ25.4	Φ12.7
GMV-450WML/A-X	Φ28.6	Φ12.7
GMV-504WML/A-X	Φ28.6	Φ15.9
GMV-560WML/A-X	Φ28.6	Φ15.9
GMV-615WML/A-X	Φ28.6	Φ15.9

(3) Fitting pipe "B" between outdoor unit manifold; fitting pipe "C" from outdoor unit to indoor manifold.

Pipe size (between two manifolds from basic modules) is based on the total capacity of upstream modules.

Total rated capacity of upstream module Q (kW)	Pipe size between manifolds	
	Gas pipe(mm)	Liquid pipe(mm)
$Q \leq 25.2$	Φ19.05	Φ9.52
$25.2 < Q \leq 30.0$	Φ22.2	Φ9.52
$30.0 < Q \leq 40.0$	Φ25.4	Φ12.7
$40.0 < Q \leq 45.0$	Φ28.6	Φ12.7
$45.0 < Q \leq 68.0$	Φ28.6	Φ15.9
$68.0 < Q \leq 96.0$	Φ31.8	Φ19.05
$96.0 < Q \leq 136.0$	Φ38.1	Φ19.05
$136.0 < Q \leq 186.0$	Φ41.3	Φ19.05
$186.0 < Q \leq 272.0$	Φ44.5	Φ22.2
$Q > 272.0$	Φ51.4	Φ25.4

(4) Fitting pipe "D" between indoor side manifolds.

Pipe size (between two manifolds at indoor unit side) is based on the total capacity of downstream indoor unit(s).

Total capacity of downstream indoor unit(s) X(kW)	Dimension of the pipe of indoor branch	
	Gas pipe (mm)	Liquid pipe (mm)
$X \leq 5.0$	$\Phi 12.7$	$\Phi 6.35$
$5.0 < X \leq 14.2$	$\Phi 15.9$	$\Phi 9.52$
$14.2 < X \leq 25.2$	$\Phi 19.05$	$\Phi 9.52$
$25.2 < X \leq 30.0$	$\Phi 22.2$	$\Phi 9.52$
$30.0 < X \leq 40.0$	$\Phi 25.4$	$\Phi 12.7$
$40.0 < X \leq 45.0$	$\Phi 28.6$	$\Phi 12.7$
$45.0 < X \leq 68.0$	$\Phi 28.6$	$\Phi 15.9$
$68.0 < X \leq 96.0$	$\Phi 31.8$	$\Phi 19.05$
$96.0 < X \leq 136.0$	$\Phi 38.1$	$\Phi 19.05$
$136.0 < X \leq 186.0$	$\Phi 41.3$	$\Phi 19.05$
$186.0 < X \leq 272.0$	$\Phi 44.5$	$\Phi 22.2$
$X > 272.0$	$\Phi 51.4$	$\Phi 25.4$

(5) Fitting pipe "E" between indoor unit and manifold.

Manifold should be matched with fitting pipe of indoor unit.

Rated capacity of indoor unit C(kW)	Pipes between indoor branch and IDU	
	Gas pipe (mm)	Liquid pipe (mm)
$C \leq 2.8$	$\Phi 9.52$	$\Phi 6.35$
$2.8 < C \leq 5.0$	$\Phi 12.7$	$\Phi 6.35$
$5.0 < C \leq 14.2$	$\Phi 15.9$	$\Phi 9.52$
$14.2 < C \leq 25.2$	$\Phi 19.05$	$\Phi 9.52$
$25.2 < C \leq 30.0$	$\Phi 22.2$	$\Phi 9.52$
$30.0 < C \leq 40.0$	$\Phi 25.4$	$\Phi 12.7$
$40.0 < C \leq 45.0$	$\Phi 28.6$	$\Phi 12.7$

(6) Select the branch "①" for outdoor module.

Total capacity of upstream module Q(kW)	Model
$Q \leq 186$	ML01
$Q > 186$	ML02

(7) Select the manifold "②" for indoor module.

Manifold at indoor unit side can be selected as per total capacity of downstream indoor unit(s). Refer to the following table

Type	Total rated capacity of downstream IDUs X (kW)	Model
Y type branch	$X < 20.0$	FQ01A/A
	$20.0 \leq X \leq 30.0$	FQ01B/A
	$30.0 < X \leq 70.0$	FQ02A/A
	$70.0 < X \leq 136.0$	FQ03/A
	$136.0 < X \leq 272.0$	FQ04/A
	$272.0 < X$	FQ05/A

7. COMMUNICATION WIRING SYSTEM

Adopt CAN bus communication mode between indoor unit and outdoor unit as well among indoor units.

7.1 Communication Material Selection



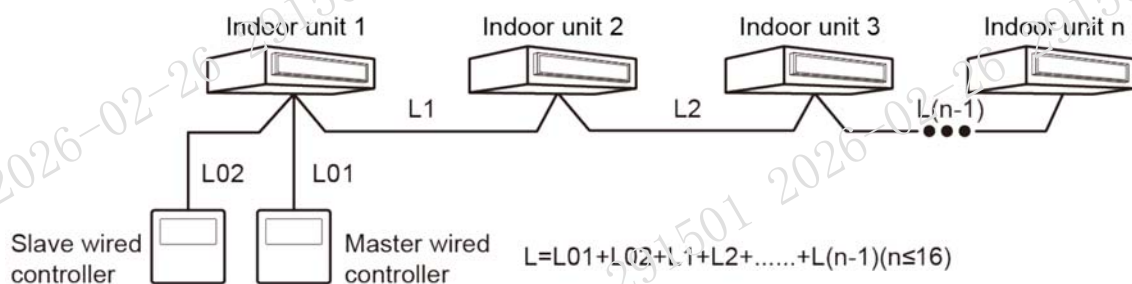
NOTE!

If the air conditioning unit is installed in a place with strong electromagnetic interference, the communication line between the indoor unit and the wired controller must adopt shielded wires; the communication line between indoor units (between indoor unit and outdoor unit) must use the shielded twisted pairs.

(1) Selection of communication line between indoor unit and wired controller.

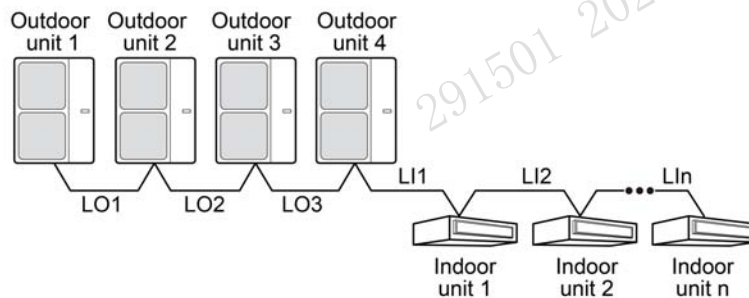
Wire type	Length of communication line between indoor unit and wired controller(m)	Wire diameter (mm ²)	Wire standard	Remark
Light/ordinary PVC sheathed twisted copper core cord	$L \leq 250$	$2 \times 0.75 \sim 2 \times 1.25$	IEC 60227-5:2007	The length of communication line can't exceed 250m. The average length of the communication line between indoor unit and wired controller is 15m.
Shielded light/ordinary PVC sheathed twisted copper core cord	$L \leq 250$	$2 \times 0.75 \sim 2 \times 1.25$	IEC 60227-5:2007	When the installation environment of the unit is in strong magnetic or strong interference, the shielded wires shall be used. The average length of the communication line between indoor unit and wired controller is 15m.

The connection between the indoor unit and the wired controller is shown as below:



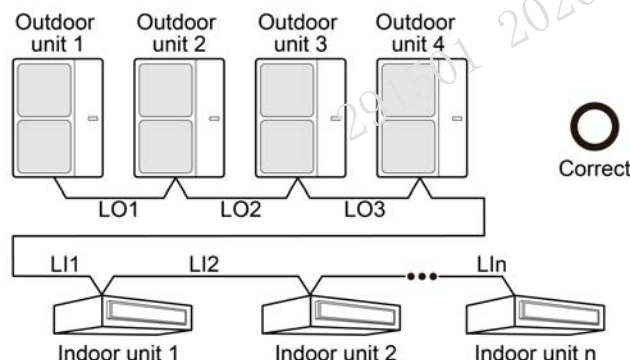
(2) Selection of communication line between outdoor unit and indoor unit.

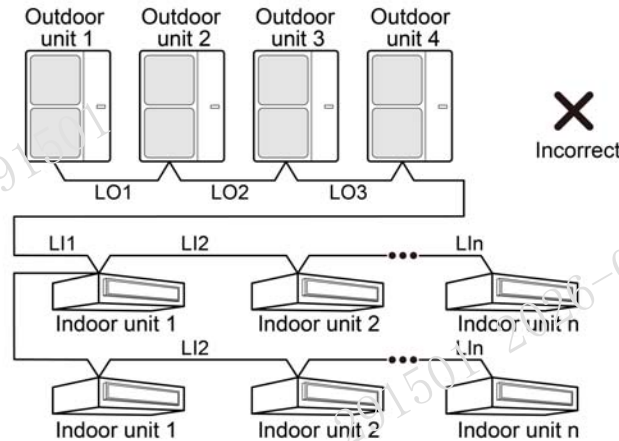
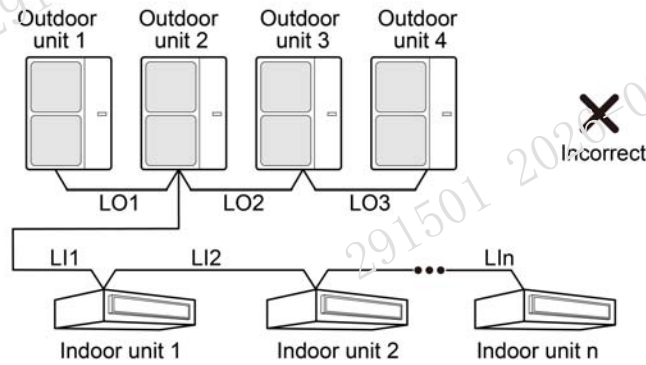
Wire type	Length of communication wire between indoor unit and another indoor/outdoor unit(m)	Wire diameter (mm ²)	Wire standard	Remark
Light / ordinary PVC sheathed twisted copper core cord	L≤1000	≥2×0.75	IEC 60227-5:2007	If the wire diameter is increased to 2×1mm ² , the length of communication line can't be increased, while the length of the communication line can't be more than 1500m. The average length of communication line between units is 12.5 meters.
Shielded light/ordinary PVC sheathed twisted copper core cord	L≤1000	≥2×0.75	IEC 60227-5:2007	When the installation environment of the unit is in strong magnetic or strong interference, the shielded wires shall be used. The average length of communication line between units is 12.5 meters.



7.2 Communication Line Connection

Communication bus connection between indoor unit and outdoor unit must be connected in series, rather than star connection; the endmost indoor unit of communication bus between indoor unit and outdoor unit must connect with the communication matching resistor(in the outdoor unit plastic bag); the fresh air indoor unit is not recommended to be set as the main indoor unit.





7.3 Communication Address Setting

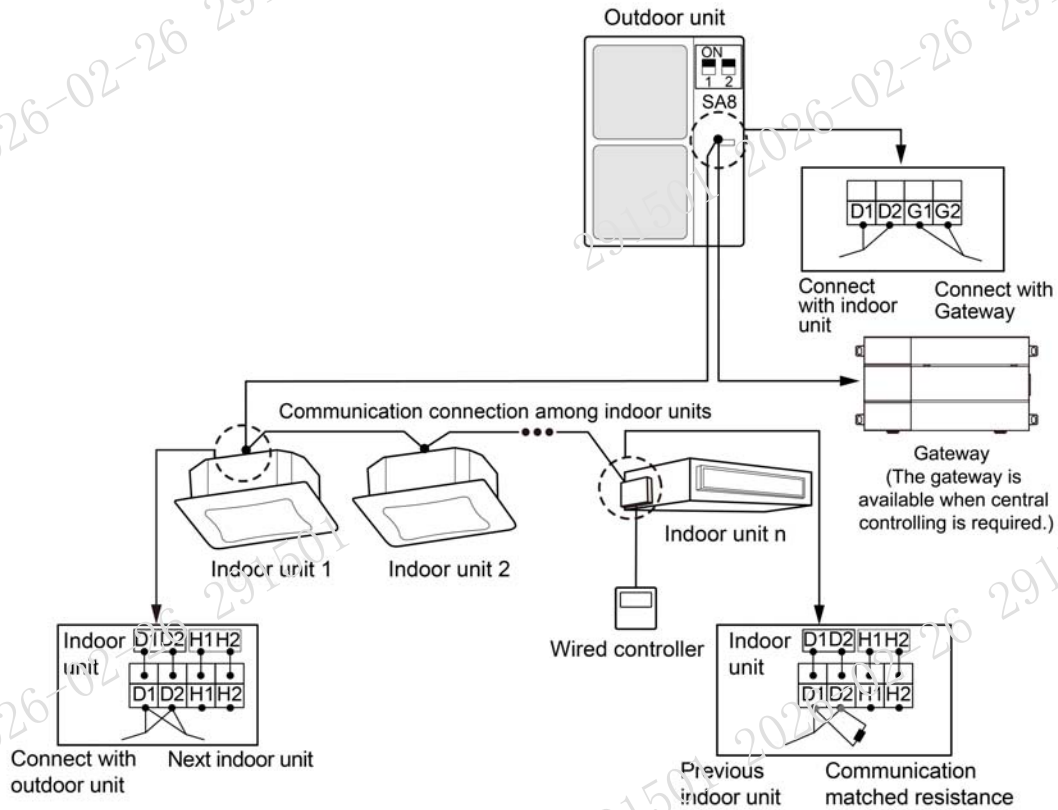
The indoor unit and outdoor unit adopt automatic addressing technology. It is not necessary to manually set the address code. It only needs to set the main module and centralized control address (set it when centralized control of multiple refrigeration systems is required)

7.4 Communication Connection between IDU and ODU

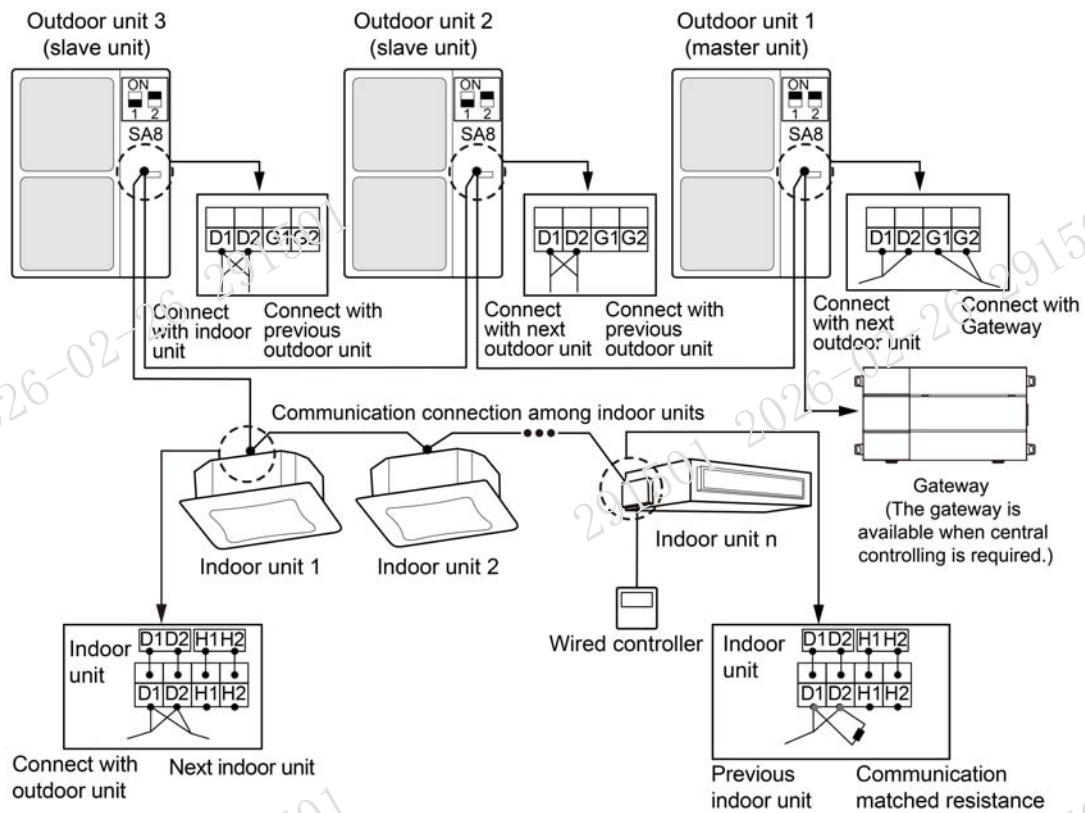
Communication between IDU and ODU is connected through the D1/D2 port of the communication terminal block.

Central control communication among multiple multi VRF system is connected through G1 and G2 ports on the communication terminal block of main module.

Below are the connection graphics of single unit and modular units:



Connection of single unit



Connection of modular units

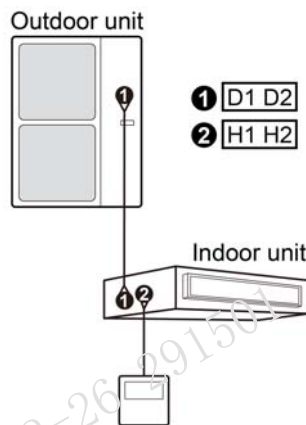


NOTES!

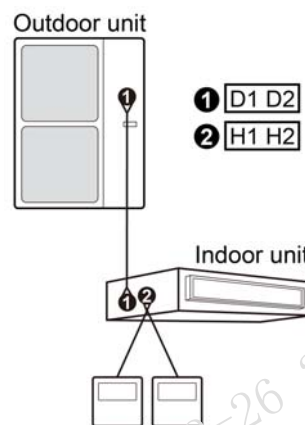
- ① As for modular outdoor unit, if there are multiple outdoor unit modules, the master module must be the first outdoor unit module on the communication line, and it must not connect to the indoor unit (main module is set by SA8 of indoor unit main board).
- ② As for modular outdoor unit, if there are multiple outdoor unit modules, the indoor unit must be connected to the last outdoor unit's slave module (slave unit is set by SA8 of indoor unit main board).
- ③ The communication line and the power cord must be routed separately to avoid interference.
- ④ The communication line must be of suitable length and must not be connected.
- ⑤ The indoor unit must be connected in series, and the last indoor unit must be connected to the communication matching resistor (provided in the outdoor unit parts list).
- ⑥ Please refer to the relevant manual for the centralized controller wiring method and settings.

7.5 Communication Connection between Indoor Unit and Wired Controller

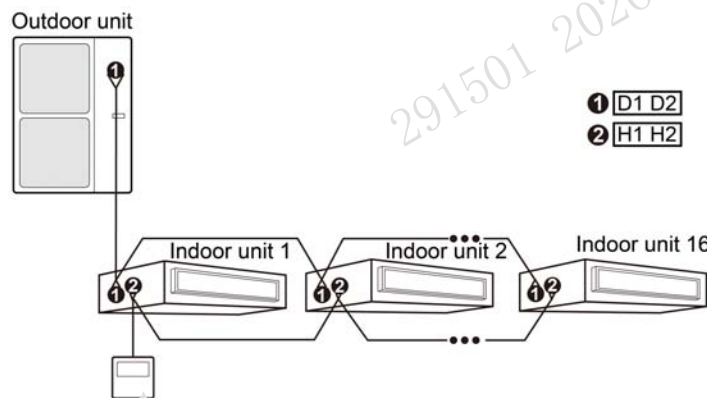
There are four types of connection between the indoor unit and wired controller, as shown in the following figure:



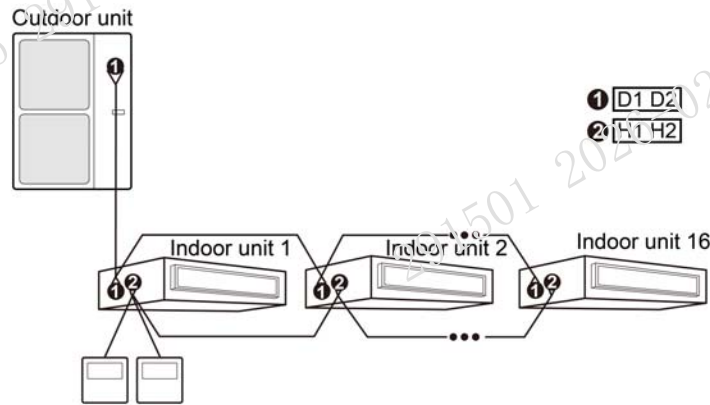
One wired controller controls one IDU



Two wired controllers control one IDU



One wired controller control multiple IDU



Two wired controllers control multiple IDU

When two wired controllers control multiple IDUs, the wired controller can be connected to any one IDU, provided that the connected IDU is of the same series. Meanwhile, one and only one of the wired controllers must be set as a slave controller. At most 16 IDUs can be controlled by wired controllers and the connected IDUs shall be within a same IDU network.

No matter when unit is turned on or off, slave controller can be set.

How to set a slave controller: hold "FUNCTION" button on the designated controller for 5s, and temperature zone displays C00. Continue holding "FUNCTION" button for 5s and setting screen of controller parameter will come out. Default temperature zone displays P00.

Press "+" button or "-" button to select parameter code P13. Press "MODE" button to switch to setup of parameter values. Then the parameter value will blink. Press "+" button or button "-" to select code 02. And then press "ENTER" to finish setting.

Press "ENTER" to return to the previous display until you exit from the setup of parameter values.

Below are user's parameter settings:

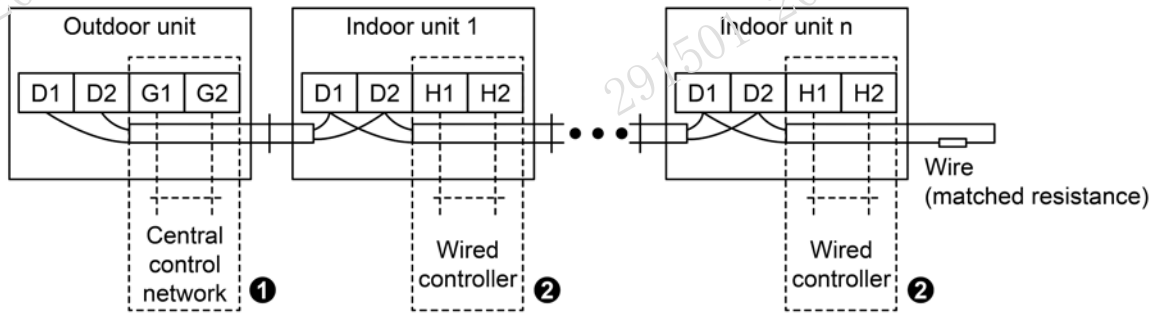
Parameter code	Parameter name	Parameter scope	Default value	Remark
P13	Set up address for wired controller	01: master wired controller 02: slave wired controller	01	When 2 wired controllers control one or more IDUs, they shall have different addresses. Slave wired controller (02) can't set up units' parameters except its address.

7.6 Other Communication Connection Methods

For the communication connection among indoor units, between ducted type indoor unit and the receiving light board, please refer to the indoor unit manual.

8. EXTERNAL ELECTRICAL WIRING DIAGRAM

Connection of power cord and communication cord. Supply power for each unit separately. Each unit shall be equipped with a circuit breaker for short circuit and abnormal overload protection.

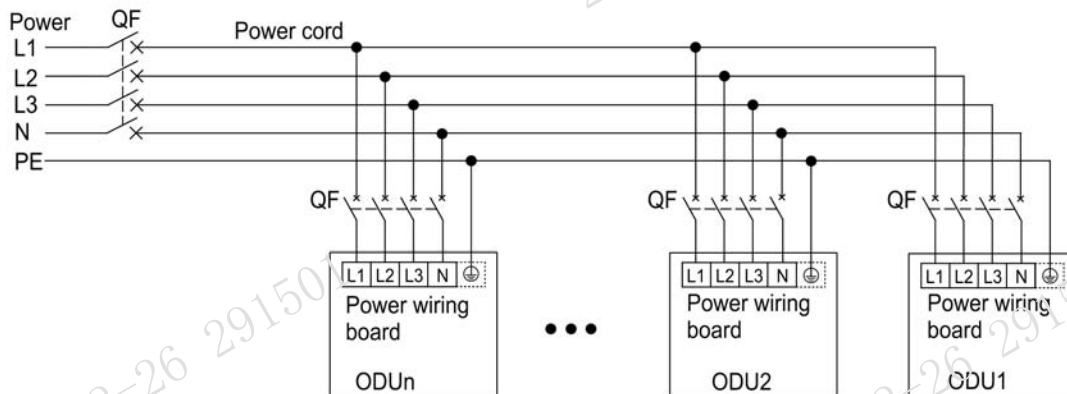


Note: (1) Whether the unit is with centralized network control function or wired controller function, please refer to the circuit diagram. For outdoor units equipped with the function of central control, connect wires according to drawing ①. For indoor units with the function of wired control, connect wires according to drawing ②.

(2) n represents the maximum number of connectable indoor units, which is determined by the capacity of the outdoor unit. For details, please refer to the capacity configuration instructions of the unit.



NOTE: Keep all the units in the same system energized during using. Otherwise, the system will not operate normally.



Notes:

The maximum outdoor unit quantity "n" is decided by the combination from of outdoor unit. Please refer to the actual requirement of unit for the earthing position.



NOTE: Connect the power cord to the corresponding terminal and grounding screws, press and fix the power cord with wire clip. Please refer to the circuit diagram for wiring.

9. ADDITIONAL REFRIGERANT CHARGING

9.1 Calculation Method of Adding Refrigerant

Total refrigerant charging amount R = Pipeline charging amount A + Σ charging amount B of every module.

(1) Pipeline charging amount:

Pipeline charging amount A = Σ Liquid pipe length $\times$ refrigerant charging amount of every 1m liquid pipe.

Diameter of liquid pipe (mm)	$\Phi 28.6$	$\Phi 25.4$	$\Phi 22.2$	$\Phi 19.05$	$\Phi 15.9$	$\Phi 12.7$	$\Phi 9.52$	$\Phi 6.35$
kg/m	0.680	0.520	0.350	0.250	0.170	0.110	0.054	0.022

(2) Σ Refrigerant charging amount B of every module

Refrigerant charging amount B of every module (kg) ②		Module capacity(kW)				
IDU/ODU rated capacity collocation ratio (%) ①	Quantity of indoor unit	40.0	45.0	50.4	56.0	61.5
50% $\leq$ C $\leq$ 70%	<4	0	0	0	0	0
	≥ 4	0	0	1	1	1.5
70%<C $\leq$ 90%	<4	0.5	0.5	2	2	2
	≥ 4	1.5	1.5	3	3	3.5
90%<C $\leq$ 105%	<4	1.5	1.5	3	3	3.5
	≥ 4	2	2	4	4	5
105%<C $\leq$ 135%	<4	2	2	4	4	4
	≥ 4	2.5	2.5	5	5	6

Notes:

- ① Rated capacity configuration rate of indoor unit and outdoor unit C = sum of indoor unit rated cooling capacity / sum of outdoor unit rated cooling capacity.
- ② If all indoor units are all fresh air indoor units, the added refrigerant amount for each module B is 0kg.
- ③ If all fresh air indoor units are mixed with the general VRF indoor units, charge the refrigerant according to the refrigerant-charging method of the general indoor unit.

For example1:

Outdoor unit consists of one 40kW module and one 45kW module. Six 14kW duct type units are used as indoor units.

IDU/ODU rated capacity collocation ratio C = $14.0 \times 6 / (40.0 + 45.0) = 99\%$. The quantity of included IDUs is more than 4 sets. Please refer to the above table.

Additional refrigerant quantity B for 40kW module is 2.0 kg.

Additional refrigerant quantity B for 45kw module is 2.0 kg.

So, Σ Refrigerant charging amount B of every module = $2.0 + 2.0 = 4.0$ kg

Suppose the Pipeline charging amount A = Σ Liquid pipe length $\times$ refrigerant charging amount of every 1m liquid pipe = 20kg

Total refrigerant charging amount R = $20 + 4.0 = 24.0$ kg

For example 2:

Outdoor unit is a 45kW module and the indoor unit is a 45kW fresh air unit. The quantity (B) of refrigerant added to this module is 0kg.

So, Σ Refrigerant charging amount B of every module= 0kg

Suppose the Pipeline charging amount $A = \Sigma$ Liquid pipe length $\times$ refrigerant charging amount of every 1m liquid pipe = 5kg

Total refrigerant charging amount $R = 5 + 0 = 5\text{kg}$

Modular combination of outdoor unit subjects to combinations that is currently available.

9.2 Limit of Additional Refrigerant Charge Amount

If the additional refrigerant charge amount exceeds the recommended maximum amount, please shorten the connection pipe construction scheme, or split the system design scheme and recalculate the additional refrigerant charge amount.

The additional refrigerant charge amount to the system shall be exceed the maximum allowable value. Otherwise, the unit may be damaged.

Model	Recommended value for the maximum additional refrigerant of the system (kg)	Allowable value for the maximum additional refrigerant of the system (kg)
GMV-400WML/A-X	18.5	27.5
GMV-450WML/A-X	19.2	27.9
GMV-504WML/A-X	20.0	29.5
GMV-560WML/A-X	20.5	30.0
GMV-615WML/A-X	21.0	30.5
GMV-800WML/A-X	38.4	55.8
GMV-850WML/A-X	38.4	55.8
GMV-900WML/A-X	38.4	55.8
GMV-954WML/A-X	39.7	57.9
GMV-1010WML/A-X	39.7	57.9
GMV-1065WML/A-X	39.7	57.9
GMV-1119WML/A-X	41.0	60.0
GMV-1175WML/A-X	41.0	60.0
GMV-1230WML/A-X	41.0	60.0
GMV-1300WML/A-X	57.5	83.7
GMV-1350WML/A-X	57.5	83.7
GMV-1404WML/A-X	58.9	79.1
GMV-1460WML/A-X	58.9	79.1
GMV-1515WML/A-X	58.9	79.1
GMV-1570WML/A-X	60.2	81.0
GMV-1625WML/A-X	60.2	81.0
GMV-1680WML/A-X	60.2	81.0
GMV-1735WML/A-X	61.6	82.9
GMV-1790WML/A-X	61.6	82.9
GMV-1845WML/A-X	61.6	82.9
GMV-1910WML/A-X	78.1	104.8
GMV-1965WML/A-X	78.1	104.8
GMV-2020WML/A-X	79.4	106.7
GMV-2075WML/A-X	79.4	106.7
GMV-2130WML/A-X	79.4	106.7

Model	Recommended value for the maximum additional refrigerant of the system (kg)	Allowable value for the maximum additional refrigerant of the system (kg)
GMV-2185WML/A-X	80.7	108.7
GMV-2240WML/A-X	80.7	108.7
GMV-2295WML/A-X	80.7	108.7
GMV-2349WML/A-X	82.1	110.6
GMV-2405WML/A-X	82.1	110.6
GMV-2460WML/A-X	82.1	110.6

Note: The limit of the above additional refrigerant charge amount does not include the refrigerant amount in the unit when ex-factory.

10. NOTICES

10.1 Safety Notices

- (1) The unit should not be installed in places with high pH, high voltage fluctuations, such as on vehicles or ships.
- (2) Do not touch the fins of the heat exchanger. Improper touch can cause damage or injury.
- (3) Do not mix any substances except the refrigerant when installing or moving the refrigerant circuit, and do not leave any air in the pipe. If air or other substances are mixed in the refrigerant circuit, the system pressure will rise and it will cause compressor explosion.
- (4) Do not charge the refrigerant other than the specified one when installing or moving the unit. Otherwise, it may cause problems such as poor operation, malfunction, mechanical fault, etc., and even cause major safety accident.
- (5) When moving or repairing the unit, be sure to use the pressure gauge. First, perform the cooling operation, and then completely close the high pressure side valve (liquid valve). When the pressure gauge reads 0~0.05MPa, completely close the low pressure side valve (air valve), and then immediately stop operation and cut off the power.
- (6) When recovering the refrigerant, it is necessary to ensure that the connection pipe can be disassembled only after the liquid valve and the air valve are completely closed and the power is turned off. If disassembling the connection pipe when the power hasn't been cut off and the compressor still running, the air will be mixed into the system, and then the pressure will rise, which will cause compressor explosion.
- (7) When installing the unit, make sure that the connection pipe is securely connected before turning on the compressor. If the compressor is turned on before the connection of the connection pipe is completed and the shut-off valve is opened, the air will be mixed into the system and then the pressure will rise, which will cause compressor explosion.
- (8) Wiring between indoor unit and outdoor unit must be properly connected by adopting the specified electric wires and the terminals should be fixed well and not affected by external forces. Poor connection or fixing may cause a fire accident.
- (9) No connection is allowed in the middle of the wire. When the length of the connection wire is not enough, please contact the designated service store to re-equip a dedicated electric wire with sufficient length.

10.2 Notices for the Usage of Refrigerant

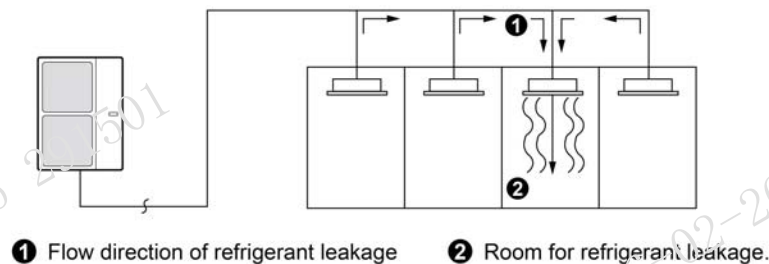
- (1) Personnel related to air conditioning engineering design and installation operators must abide by the safety requirement for preventing refrigerant leakage specified in local laws and regulations.
- (2) Multi VRF unit adopts R410A refrigerant. When the unit is installed in the place where there are people, the refrigerant must not exceed the maximum allowable concentration. Otherwise, people involved can be stifled by the refrigerant. For example the maximum allowed concentration level of refrigerant to a humanly space for R410A according to the appropriate European Standard is limited to 0.44 kg/m³.

The maximum amount of refrigerant(kg)in the system = The volume of the room (m³) ×The maximum allowed concentration level of refrigerant (kg/m³)

Total amount of refrigerant (kg) in the system = Total additional charging amount (kg) + Amount of refrigerant (kg) which is charged before leaving the factory. (for the system consisting of multiple modules in parallel, the accumulative charge quantity of modules before leaving the factory is used.)

Total amount of refrigerant (kg) in the system ≤ The maximum amount of refrigerant (kg) in the system.

- (3) When the total amount of refrigerant in the system is more than the maximum amount of refrigerant, the cooling system should be designed again. In this case, the cooling system can also be separated into several cooling systems with small capacity, or add corresponding ventilation measures or alarming display.



Note:

Since the concentration of refrigerant is greater than that of air, pay attention to the spaces where the refrigerant may residue, for example, the basement.

11. OPTIONAL ACCESSORIES

—		Model	Remarks
Branch	Outdoor unit	ML01/A,ML02/A	—
	Indoor unit	FQ01A/A FQ01B/A FQ02/A FQ03/A FQ04/A FQ05/A	—
Remote controller		YAP1F	Optional: Duct type indoor units Standard: Wall-mounted, cassette and floor-ceiling indoor units
Wired controller		XE7A-23/H	—
Wired controller		XE7A-23/HC	With WiFi function(Only EU RED certification, WiFi is channel 1~13, other regions need to verify local wireless channels and certifications for compliance.)
Wired controller		XE7C-23/H	—
Wired controller		XE7C-23/HC	With WiFi function(Only EU RED certification, WiFi is channel 1~13, other regions need to verify local wireless channels and certifications for compliance.)
Wired controller		XE73-23/HC	With WiFi function(Only EU RED certification, WiFi is channel 1~13, other regions need to verify local wireless channels and certifications for compliance.)
Linkage controller		LE60-24/H1	With access control and dry contact signals detection function
E-Smart Zone controller		CE54-24/F(C)	—
Centralized controller		CE58-00/EF(CM)	—
Debugger		DE43-00/EF(CM)	—
Debugging software		DE40-33/A(C)	—
Remote monitoring system	Software	FE30-24/DF(B)	—
	Controller	ME20-24/D1(T)	
Remote signal receiving LED panel		JS13	—
VRF Protocol Gateway		ME30-24/D1(BM)	Gateway capacity: 255 indoor units; it can output two kinds of BMS data: ModBus/BACnet
Modbus Gateway(Mini)		ME30-24/E6(M)	Gateway capacity: 128 indoor units (within 16 systems)
H2M Gateway		ME31-33/EH1(M)	Gateway capacity: a indoor unit (similar with the wired controller; it can control multiple units), it can output ModBus data

APPENDIXES PRODUCT CAPACITY CORRECTION

1 Capacity correction method for IDU and ODU

Actual capacity of each IDU=Actual capacity of ODU×IDU capacity/Maximum capacity of IDU operating at the same time

Actual capacity of ODU=corrected capacity based on the connection ratio of IDU and ODU and the indoor and outside temperature condition×the correction coefficient based on the pipe distance and the level difference of IDU and ODU ×correction factor of heating and defrosting

Notes:

- ① Corrected capacity based on the connection ratio of IDU and ODU and the indoor and outside temperature condition—inquire according to the capacity correction table
- ② Correction factor of heating and defrosting—corrected the factor if the model selection is based on heating load.

2 Capacity Correction according to ambient temperature and connection ratio

◆ Correction for cooling capacity:

GMV-400WML/A-X

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit																
Connection ratio	Outdoor air temp(°C DB)	Indoor air temp.														
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB		
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB		
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
135%	-5	33.5	3.64	41.7	4.63	49.9	5.63	54.0	5.79	56.1	6.03	57.2	6.18	58.2	6.26	
	0	33.5	3.67	41.7	4.67	49.9	5.68	53.9	5.85	54.5	6.10	55.5	6.26	56.6	6.35	
	4	33.5	3.70	41.7	4.70	49.9	5.72	52.6	5.90	53.2	6.15	54.2	6.32	55.3	6.43	
	7	33.5	3.72	41.7	4.73	49.9	5.75	51.6	5.94	52.2	6.19	53.2	6.36	54.3	6.49	
	10	33.5	3.74	41.7	4.75	49.9	5.78	50.7	5.97	51.2	6.23	52.3	6.41	53.3	6.54	
	12	33.5	3.80	41.7	4.83	49.5	5.88	50.0	6.09	50.5	6.37	51.6	6.56	52.7	6.77	
	14	33.5	3.87	41.7	4.91	48.8	5.98	49.4	6.21	49.9	6.50	51.0	6.79	52.0	6.99	
	16	33.5	3.93	41.7	4.98	48.2	6.09	48.7	6.33	49.2	6.75	50.3	7.03	51.4	7.21	
	18	33.5	4.00	41.7	5.06	47.5	6.39	48.0	6.62	48.6	7.00	49.7	7.26	50.7	7.44	
	20	33.5	4.06	41.7	5.52	46.9	6.70	47.4	6.90	47.9	7.25	49.0	7.49	50.1	7.66	
	21	33.5	4.09	41.7	5.74	46.5	6.85	47.1	7.05	47.6	7.37	48.7	7.61	49.7	7.77	
	23	33.5	4.54	41.7	6.20	45.9	7.16	46.4	7.33	47.0	7.62	48.0	7.84	49.1	8.00	
	25	33.5	4.98	41.7	6.65	45.2	7.47	45.8	7.62	46.3	7.87	47.4	8.08	48.4	8.22	
	27	33.5	5.43	41.7	7.11	44.6	7.78	45.1	7.91	45.6	8.11	46.7	8.31	47.8	8.45	
	29	33.5	5.87	41.7	7.56	43.9	8.09	44.5	8.20	45.0	8.36	46.1	8.55	47.1	8.67	
	30	33.5	6.09	41.7	7.79	43.6	8.24	44.1	8.34	44.7	8.49	45.7	8.66	46.8	8.78	
	31	33.5	6.32	41.7	8.01	43.3	8.39	43.8	8.48	44.3	8.61	45.4	8.78	46.5	8.90	
	33	33.5	6.76	41.5	8.47	42.6	8.70	43.2	8.77	43.7	8.86	44.8	9.01	45.8	9.12	
	35	33.5	7.21	40.9	8.92	42.0	9.01	42.5	9.06	43.0	9.10	44.1	9.25	45.2	9.34	
	37	33.5	7.86	40.2	9.30	41.3	9.38	41.8	9.43	42.4	9.48	43.5	9.63	44.5	9.73	
	39	33.5	8.51	39.6	9.68	40.7	9.75	41.2	9.80	41.7	9.85	42.8	10.01	43.9	10.11	
	41	33.5	9.17	38.9	10.06	40.0	10.12	40.5	10.17	41.1	10.22	42.1	10.38	43.2	10.49	
	43	33.5	9.82	38.3	10.43	39.4	10.48	39.9	10.54	40.4	10.60	41.5	10.76	42.6	10.87	
	44	33.5	9.43	36.8	10.02	37.8	10.06	38.4	10.12	38.9	10.17	40.0	10.33	41.0	10.44	
	46	32.6	8.64	33.7	9.18	34.8	9.23	35.3	9.27	35.8	9.32	36.9	9.47	38.0	9.57	
	47	31.1	8.25	32.2	8.76	33.2	8.81	33.8	8.85	34.3	8.90	35.4	9.04	36.4	9.13	
	48	29.6	7.54	30.6	8.01	31.7	8.05	32.2	8.09	32.8	8.14	33.8	8.27	34.9	8.35	
	50	26.5	7.07	27.6	7.51	28.6	7.55	29.2	7.59	29.7	7.63	30.8	7.75	31.8	7.83	
	52	23.4	6.28	24.5	6.68	25.6	6.71	26.1	6.75	26.6	6.78	27.7	6.89	28.8	6.96	
120%	-5	29.8	3.36	37.1	4.23	44.4	5.13	48.0	5.62	51.6	5.79	56.1	6.12	57.2	6.20	
	0	29.8	3.39	37.1	4.26	44.4	5.17	48.0	5.68	51.6	5.85	54.5	6.18	55.5	6.29	
	4	29.8	3.41	37.1	4.29	44.4	5.21	48.0	5.72	51.6	5.90	53.2	6.24	54.2	6.35	
	7	29.8	3.43	37.1	4.32	44.4	5.24	48.0	5.75	51.1	5.94	52.2	6.28	53.2	6.40	
	10	29.8	3.45	37.1	4.34	44.4	5.27	48.0	5.78	50.1	5.97	51.2	6.32	52.3	6.45	
	12	29.8	3.51	37.1	4.42	44.4	5.36	48.0	5.89	49.5	6.09	50.5	6.46	51.6	6.62	
	14	29.8	3.56	37.1	4.49	44.4	5.45	48.0	6.00	48.8	6.22	49.9	6.59	51.0	6.85	
	16	29.8	3.62	37.1	4.57	44.4	5.54	47.6	6.11	48.2	6.34	49.2	6.84	50.3	7.08	
	18	29.8	3.68	37.1	4.65	44.4	5.64	47.0	6.41	47.5	6.63	48.6	7.08	49.7	7.31	
	20	29.8	3.74	37.1	4.72	44.4	6.02	46.3	6.72	46.9	6.91	47.9	7.32	49.0	7.54	
	21	29.8	3.77	37.1	4.96	44.4	6.22	46.0	6.87	46.5	7.05	47.6	7.45	48.7	7.65	
	23	29.8	4.17	37.1	5.44	44.4	6.60	45.3	7.18	45.9	7.34	47.0	7.69	48.0	7.88	
	25	29.8	4.57	37.1	5.92	44.2	6.99	44.7	7.48	45.2	7.63	46.3	7.93	47.4	8.11	
	27	29.8	4.97	37.1	6.40	43.5	7.37	44.0	7.79	44.6	7.91	45.6	8.18	46.7	8.34	
	29	29.8	5.38	37.1	6.88	42.9	7.76	43.4	8.09	43.9	8.20	45.0	8.42	46.1	8.56	
	30	29.8	5.58	37.1	7.11	42.5	7.95	43.1	8.25	43.6	8.34	44.7	8.54	45.7	8.68	
	31	29.8	5.78	37.1	7.35	42.2	8.14	42.7	8.40	43.3	8.48	44.3	8.67	45.4	8.79	
	33	29.8	6.18	37.1	7.83	41.5	8.53	42.1	8.70	42.6	8.77	43.7	8.91	44.8	9.02	
	35	29.8	6.59	37.1	8.31	40.9	8.91	41.4	9.01	42.0	9.06	43.0	9.15	44.1	9.25	
	37	29.8	7.27	37.1	8.74	40.2	9.28	40.8	9.38	41.3	9.43	42.4	9.53	43.5	9.63	
	39	29.8	7.95	37.1	9.17	39.6	9.64	40.1	9.75	40.7	9.80	41.7	9.90	42.8	10.01	
	41	29.8	8.63	37.1	9.59	38.9	10.01	39.5	10.12	40.0	10.17	41.1	10.28	42.1	10.38	
	43	29.8	9.31	37.1	10.02	38.3	10.37	38.8	10.48	39.4	10.54	40.4	10.65	41.5	10.76	
	44	29.8	8.94	35.7	9.62	36.7	9.96	37.3	10.06	37.8	10.12	38.9	10.23	40.0	10.33	
	46	29.8	8.20	32.6	8.82	33.7	9.13	34.2	9.23	34.8	9.27	35.8	9.37	36.9	9.47	
	47	29.8	7.82	31.1	8.42	32.2	8.71	32.7	8.81	33.2	8.85	34.3	8.95	35.4	9.04	
	48	28.5	7.15	29.6	7.70	30.6	7.97	31.2	8.05	31.7	8.09	32.8	8.18	33.8	8.27	
	50	25.4	6.71	26.5	7.22	27.6	7.47	28.1	7.55	28.6	7.59	29.7	7.67	30.8	7.75	
	52	22.4	5.96	23.4	6.41	24.5	6.64	25.0	6.71	25.5	6.75	26.6	6.82	27.7	6.89	

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp. (DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
110%	-5	27.3	3.08	34.0	3.86	40.7	4.67	44.0	5.07	47.3	5.53	54.0	5.96	56.4	6.14
	0	27.3	3.11	34.0	3.89	40.7	4.71	44.0	5.12	47.3	5.58	53.7	6.02	54.8	6.22
	4	27.3	3.13	34.0	3.92	40.7	4.75	44.0	5.16	47.3	5.62	52.4	6.07	53.5	6.28
	7	27.3	3.14	34.0	3.94	40.7	4.77	44.0	5.19	47.3	5.66	51.5	6.11	52.5	6.32
	10	27.3	3.16	34.0	3.96	40.7	4.80	44.0	5.22	47.3	5.69	50.5	6.15	51.6	6.37
	12	27.3	3.21	34.0	4.03	40.7	4.88	44.0	5.32	47.3	5.80	49.8	6.27	50.9	6.52
	14	27.3	3.27	34.0	4.10	40.7	4.97	44.0	5.41	47.3	5.91	49.2	6.39	50.2	6.67
	16	27.3	3.32	34.0	4.17	40.7	5.05	44.0	5.51	47.3	6.02	48.5	6.51	49.6	6.91
	18	27.3	3.37	34.0	4.24	40.7	5.14	44.0	5.61	46.8	6.33	47.9	6.78	48.9	7.15
	20	27.3	3.43	34.0	4.30	40.7	5.55	44.0	6.00	46.1	6.64	47.2	7.05	48.3	7.39
	21	27.3	3.45	34.0	4.34	40.7	5.76	44.0	6.19	45.8	6.79	46.9	7.18	48.0	7.51
	23	27.3	3.51	34.0	4.82	40.7	6.18	44.0	6.58	45.2	7.10	46.2	7.45	47.3	7.75
	25	27.3	3.92	34.0	5.29	40.7	6.60	44.0	6.97	44.5	7.41	45.6	7.72	46.7	7.99
	27	27.3	4.32	34.0	5.77	40.7	7.02	43.3	7.36	43.9	7.72	44.9	7.99	46.0	8.24
	29	27.3	4.73	34.0	6.25	40.7	7.44	42.7	7.75	43.2	8.03	44.3	8.25	45.4	8.48
	30	27.3	4.94	34.0	6.49	40.7	7.65	42.3	7.94	42.9	8.19	44.0	8.39	45.0	8.60
	31	27.3	5.14	34.0	6.72	40.7	7.86	42.0	8.14	42.6	8.34	43.6	8.52	44.7	8.72
	33	27.3	5.55	34.0	7.20	40.7	8.28	41.4	8.52	41.9	8.65	43.0	8.79	44.0	8.96
	35	27.3	5.96	34.0	7.68	40.2	8.70	40.7	8.91	41.2	8.96	42.3	9.06	43.4	9.20
	37	27.3	6.66	34.0	8.14	39.5	9.06	40.1	9.28	40.6	9.33	41.7	9.43	42.7	9.58
	39	27.3	7.36	34.0	8.60	38.9	9.41	39.4	9.64	39.9	9.69	41.0	9.80	42.1	9.95
	41	27.3	8.05	34.0	9.07	38.2	9.77	38.8	10.01	39.3	10.06	40.4	10.17	41.4	10.33
	43	27.3	8.75	34.0	9.53	37.6	10.12	38.1	10.37	38.6	10.43	39.7	10.54	40.8	10.71
	44	27.3	8.40	34.0	9.15	36.0	9.72	36.6	9.96	37.1	10.01	38.2	10.12	39.2	10.28
	46	27.3	7.70	31.9	8.39	33.0	8.91	33.5	9.13	34.0	9.18	35.1	9.27	36.2	9.42
	47	27.3	7.35	30.4	8.00	31.4	8.50	32.0	8.71	32.5	8.76	33.6	8.85	34.7	8.99
	48	27.3	6.72	28.8	7.32	29.9	7.78	30.4	7.97	31.0	8.01	32.0	8.09	33.1	8.22
	50	24.7	6.30	25.8	6.86	26.8	7.29	27.4	7.47	27.9	7.51	29.0	7.59	30.1	7.71
	52	21.6	5.60	22.7	6.10	23.8	6.48	24.3	6.64	24.8	6.67	25.9	6.75	27.0	6.85
100%	-5	24.8	2.82	30.9	3.49	37.0	4.23	40.0	4.62	43.0	4.98	49.1	5.76	55.2	6.00
	0	24.8	2.84	30.9	3.53	37.0	4.26	40.0	4.66	43.0	5.03	49.1	5.82	54.1	6.06
	4	24.8	2.86	30.9	3.55	37.0	4.29	40.0	4.70	43.0	5.07	49.1	5.86	52.8	6.11
	7	24.8	2.87	30.9	3.57	37.0	4.32	40.0	4.72	43.0	5.10	49.1	5.89	51.8	6.15
	10	24.8	2.89	30.9	3.59	37.0	4.34	40.0	4.75	43.0	5.13	49.1	5.93	50.8	6.19
	12	24.8	2.93	30.9	3.65	37.0	4.42	40.0	4.84	43.0	5.22	49.1	6.03	50.2	6.33
	14	24.8	2.98	30.9	3.71	37.0	4.49	40.0	4.92	43.0	5.32	48.5	6.14	49.5	6.46
	16	24.8	3.02	30.9	3.78	37.0	4.57	40.0	5.01	43.0	5.42	47.8	6.25	48.9	6.71
	18	24.8	3.07	30.9	3.84	37.0	4.65	40.0	5.09	43.0	5.51	47.2	6.54	48.2	6.96
	20	24.8	3.11	30.9	3.90	37.0	4.72	40.0	5.52	43.0	5.91	46.5	6.83	47.6	7.21
	21	24.8	3.14	30.9	3.93	37.0	4.93	40.0	5.73	43.0	6.11	46.2	6.98	47.2	7.34
	23	24.8	3.18	30.9	4.34	37.0	5.33	40.0	6.16	43.0	6.51	45.5	7.27	46.6	7.59
	25	24.8	3.53	30.9	4.75	37.0	5.74	40.0	6.58	43.0	6.91	44.9	7.56	45.9	7.84
	27	24.8	3.88	30.9	5.15	37.0	6.14	40.0	7.00	43.0	7.31	44.2	7.85	45.3	8.10
	29	24.8	4.23	30.9	5.56	37.0	6.55	40.0	7.43	42.5	7.71	43.6	8.14	44.6	8.35
	30	24.8	4.41	30.9	5.77	37.0	6.75	40.0	7.64	42.2	7.91	43.2	8.28	44.3	8.47
	31	24.8	4.58	30.9	5.97	37.0	6.95	40.0	7.85	41.8	8.11	42.9	8.43	44.0	8.60
	33	24.8	4.93	30.9	6.38	37.0	7.35	40.0	8.28	41.2	8.51	42.3	8.72	43.3	8.85
	35	24.8	5.28	30.9	6.78	37.0	7.76	40.0	8.70	40.5	8.91	41.6	9.01	42.7	9.10
	37	24.8	5.90	30.9	7.20	37.0	8.08	39.3	9.06	39.9	9.28	41.0	9.38	42.0	9.48
	39	24.8	6.53	30.9	7.62	37.0	8.39	38.7	9.41	39.2	9.64	40.3	9.75	41.4	9.85
	41	24.8	7.15	30.9	8.04	37.0	8.71	38.0	9.77	38.6	10.01	39.6	10.12	40.7	10.22
	43	24.8	7.77	30.9	8.46	36.9	9.03	37.4	10.12	37.9	10.37	39.0	10.48	40.1	10.60
	44	24.8	7.46	30.9	8.12	35.3	8.67	35.9	9.72	36.4	9.96	37.5	10.06	38.5	10.17
	46	24.8	6.84	30.9	7.45	32.3	7.95	32.8	8.91	33.3	9.13	34.4	9.23	35.5	9.32
	47	24.8	6.52	29.7	7.11	30.7	7.58	31.3	8.50	31.8	8.71	32.9	8.81	33.9	8.90
	48	24.8	5.97	28.1	6.50	29.2	6.93	29.7	7.78	30.3	7.97	31.3	8.05	32.4	8.14
	50	24.0	5.59	25.1	6.09	26.1	6.50	26.7	7.29	27.2	7.47	28.3	7.55	29.3	7.63
	52	20.9	4.97	22.0	5.42	23.1	5.78	23.6	6.48	24.1	6.64	25.2	6.71	26.3	6.78

Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp. (DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90%	-5	22.3	2.57	27.8	3.15	33.3	3.78	36.0	4.11	38.7	4.44	44.2	5.13	49.7	5.85
	0	22.3	2.58	27.8	3.18	33.3	3.82	36.0	4.15	38.7	4.49	44.2	5.17	49.7	5.91
	4	22.3	2.60	27.8	3.20	33.3	3.84	36.0	4.18	38.7	4.52	44.2	5.21	49.7	5.95
	7	22.3	2.61	27.8	3.21	33.3	3.86	36.0	4.20	38.7	4.55	44.2	5.24	49.7	5.99
	10	22.3	2.62	27.8	3.23	33.3	3.88	36.0	4.22	38.7	4.57	44.2	5.27	49.7	6.02
	12	22.3	2.66	27.8	3.28	33.3	3.95	36.0	4.30	38.7	4.66	44.2	5.36	49.5	6.13
	14	22.3	2.70	27.8	3.34	33.3	4.02	36.0	4.37	38.7	4.74	44.2	5.46	48.8	6.25
	16	22.3	2.74	27.8	3.39	33.3	4.09	36.0	4.45	38.7	4.82	44.2	5.55	48.2	6.36
	18	22.3	2.78	27.8	3.44	33.3	4.16	36.0	4.52	38.7	4.91	44.2	5.64	47.5	6.64
	20	22.3	2.82	27.8	3.50	33.3	4.23	36.0	4.60	38.7	4.99	44.2	6.03	46.9	6.92
	21	22.3	2.84	27.8	3.52	33.3	4.26	36.0	4.79	38.7	5.22	44.2	6.22	46.5	7.06
	23	22.3	2.88	27.8	3.58	33.3	4.61	36.0	5.17	38.7	5.66	44.2	6.61	45.9	7.33
	25	22.3	2.92	27.8	3.96	33.3	4.95	36.0	5.56	38.7	6.10	44.2	6.99	45.2	7.61
	27	22.3	3.26	27.8	4.35	33.3	5.30	36.0	5.94	38.7	6.55	43.5	7.37	44.6	7.89
	29	22.3	3.61	27.8	4.73	33.3	5.64	36.0	6.33	38.7	6.99	42.9	7.76	43.9	8.17
	30	22.3	3.78	27.8	4.93	33.3	5.82	36.0	6.52	38.7	7.21	42.5	7.95	43.6	8.31
	31	22.3	3.95	27.8	5.12	33.3	5.99	36.0	6.71	38.7	7.44	42.2	8.14	43.3	8.45
	33	22.3	4.29	27.8	5.51	33.3	6.33	36.0	7.09	38.7	7.88	41.5	8.53	42.6	8.73
	35	22.3	4.64	27.8	5.89	33.3	6.68	36.0	7.48	38.7	8.32	40.9	8.91	42.0	9.01
	37	22.3	5.16	27.8	6.25	33.3	6.95	36.0	7.78	38.7	8.66	40.2	9.28	41.3	9.38
	39	22.3	5.69	27.8	6.60	33.3	7.22	36.0	8.09	38.5	9.01	39.6	9.64	40.7	9.75
	41	22.3	6.21	27.8	6.96	33.3	7.50	36.0	8.40	37.9	9.35	38.9	10.01	40.0	10.12
	43	22.3	6.74	27.8	7.31	33.3	7.77	36.0	8.70	37.2	9.69	38.3	10.37	39.4	10.48
	44	22.3	6.47	27.8	7.02	33.3	7.46	35.1	8.35	35.7	9.30	36.7	9.96	37.8	10.06
	46	22.3	5.93	27.8	6.44	31.5	6.84	32.1	7.66	32.6	8.52	33.7	9.13	34.8	9.23
	47	22.3	5.66	27.8	6.14	30.0	6.53	30.5	7.31	31.1	8.14	32.2	8.71	33.2	8.81
	48	22.3	5.17	27.4	5.62	28.5	5.97	29.0	6.68	29.5	7.44	30.6	7.97	31.7	8.05
	50	22.3	4.85	24.3	5.27	25.4	5.60	25.9	6.27	26.5	6.97	27.6	7.47	28.6	7.55
	52	20.2	4.31	21.3	4.68	22.4	4.97	22.9	5.57	23.4	6.20	24.5	6.64	25.6	6.71
80%	-5	19.9	2.31	24.7	2.82	29.6	3.36	32.0	3.64	34.4	3.93	39.3	4.53	44.1	5.13
	0	19.9	2.33	24.7	2.84	29.6	3.39	32.0	3.67	34.4	3.96	39.3	4.57	44.1	5.17
	4	19.9	2.34	24.7	2.86	29.6	3.41	32.0	3.70	34.4	3.99	39.3	4.60	44.1	5.21
	7	19.9	2.36	24.7	2.87	29.6	3.43	32.0	3.72	34.4	4.01	39.3	4.63	44.1	5.24
	10	19.9	2.37	24.7	2.89	29.6	3.45	32.0	3.74	34.4	4.03	39.3	4.65	44.1	5.27
	12	19.9	2.40	24.7	2.93	29.6	3.51	32.0	3.80	34.4	4.11	39.3	4.73	44.1	5.36
	14	19.9	2.43	24.7	2.98	29.6	3.56	32.0	3.87	34.4	4.18	39.3	4.81	44.1	5.46
	16	19.9	2.47	24.7	3.02	29.6	3.62	32.0	3.93	34.4	4.25	39.3	4.89	44.1	5.55
	18	19.9	2.50	24.7	3.07	29.6	3.68	32.0	4.00	34.4	4.32	39.3	4.97	44.1	5.64
	20	19.9	2.54	24.7	3.11	29.6	3.74	32.0	4.06	34.4	4.40	39.3	5.39	44.1	6.03
	21	19.9	2.56	24.7	3.14	29.6	3.77	32.0	4.09	34.4	4.43	39.3	5.60	44.1	6.22
	23	19.9	2.59	24.7	3.18	29.6	4.05	32.0	4.41	34.4	4.81	39.3	6.01	44.1	6.61
	25	19.9	2.62	24.7	3.50	29.6	4.33	32.0	4.74	34.4	5.18	39.3	6.43	44.1	6.99
	27	19.9	2.91	24.7	3.81	29.6	4.61	32.0	5.06	34.4	5.56	39.3	6.85	43.9	7.37
	29	19.9	3.19	24.7	4.13	29.6	4.89	32.0	5.38	34.4	5.93	39.3	7.26	43.2	7.76
	30	19.9	3.33	24.7	4.29	29.6	5.03	32.0	5.54	34.4	6.12	39.3	7.47	42.9	7.95
	31	19.9	3.47	24.7	4.45	29.6	5.17	32.0	5.70	34.4	6.30	39.3	7.68	42.6	8.14
	33	19.9	3.75	24.7	4.76	29.6	5.46	32.0	6.03	34.4	6.68	39.3	8.10	41.9	8.53
	35	19.9	4.04	24.7	5.08	29.6	5.74	32.0	6.35	34.4	7.05	39.3	8.51	41.2	8.91
	37	19.9	4.48	24.7	5.38	29.6	5.97	32.0	6.61	34.4	7.34	39.3	8.86	40.6	9.28
	39	19.9	4.93	24.7	5.69	29.6	6.21	32.0	6.87	34.4	7.63	38.9	9.21	39.9	9.64
	41	19.9	5.37	24.7	5.99	29.6	6.44	32.0	7.13	34.4	7.92	38.2	9.56	39.3	10.01
	43	19.9	5.81	24.7	6.29	29.6	6.68	32.0	7.39	34.4	8.21	37.6	9.91	38.6	10.37
	44	19.9	5.58	24.7	6.04	29.6	6.41	32.0	7.09	34.4	7.88	36.0	9.51	37.1	9.96
	46	19.9	5.12	24.7	5.54	29.6	5.88	31.4	6.50	31.9	7.22	33.0	8.72	34.0	9.13
	47	19.9	4.88	24.7	5.29	29.3	5.61	29.8	6.21	30.4	6.90	31.4	8.32	32.5	8.71
	48	19.9	4.47	24.7	4.83	27.8	5.13	28.3	5.67	28.8	6.30	29.9	7.61	31.0	7.97
	50	19.9	4.19	23.6	4.53	24.7	4.81	25.2	5.32	25.8	5.91	26.8	7.13	27.9	7.47
	52	19.5	3.72	20.6	4.03	21.6	4.27	22.2	4.73	22.7	5.25	23.8	6.34	24.8	6.64

Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp. (°C DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
70%	-5	17.4	2.08	21.6	2.50	25.9	2.95	28.0	3.19	30.1	3.43	34.4	3.93	38.6	4.46
	0	17.4	2.10	21.6	2.52	25.9	2.98	28.0	3.22	30.1	3.46	34.4	3.96	38.6	4.50
	4	17.4	2.11	21.6	2.54	25.9	2.99	28.0	3.24	30.1	3.48	34.4	3.99	38.6	4.53
	7	17.4	2.12	21.6	2.55	25.9	3.01	28.0	3.25	30.1	3.50	34.4	4.01	38.6	4.55
	10	17.4	2.13	21.6	2.56	25.9	3.02	28.0	3.27	30.1	3.52	34.4	4.03	38.6	4.57
	12	17.4	2.15	21.6	2.60	25.9	3.07	28.0	3.32	30.1	3.58	34.4	4.11	38.6	4.65
	14	17.4	2.18	21.6	2.63	25.9	3.12	28.0	3.37	30.1	3.64	34.4	4.18	38.6	4.72
	16	17.4	2.21	21.6	2.67	25.9	3.17	28.0	3.43	30.1	3.70	34.4	4.25	38.6	4.80
	18	17.4	2.24	21.6	2.71	25.9	3.22	28.0	3.48	30.1	3.76	34.4	4.32	38.6	4.87
	20	17.4	2.27	21.6	2.75	25.9	3.27	28.0	3.53	30.1	3.82	34.4	4.40	38.6	4.95
	21	17.4	2.28	21.6	2.77	25.9	3.29	28.0	3.56	30.1	3.85	34.4	4.57	38.6	5.17
	23	17.4	2.31	21.6	2.80	25.9	3.34	28.0	3.61	30.1	4.14	34.4	4.93	38.6	5.62
	25	17.4	2.34	21.6	2.84	25.9	3.59	28.0	3.91	30.1	4.43	34.4	5.28	38.6	6.07
	27	17.4	2.57	21.6	3.14	25.9	3.84	28.0	4.20	30.1	4.72	34.4	5.64	38.6	6.52
	29	17.4	2.79	21.6	3.43	25.9	4.09	28.0	4.49	30.1	5.01	34.4	5.99	38.6	6.97
	30	17.4	2.91	21.6	3.58	25.9	4.22	28.0	4.63	30.1	5.15	34.4	6.17	38.6	7.20
	31	17.4	3.02	21.6	3.73	25.9	4.34	28.0	4.78	30.1	5.30	34.4	6.35	38.6	7.42
	33	17.4	3.25	21.6	4.02	25.9	4.59	28.0	5.07	30.1	5.59	34.4	6.70	38.6	7.87
	35	17.4	3.48	21.6	4.32	25.9	4.84	28.0	5.36	30.1	5.88	34.4	7.05	38.6	8.32
	37	17.4	3.85	21.6	4.57	25.9	5.04	28.0	5.58	30.1	6.12	34.4	7.34	38.6	8.66
	39	17.4	4.21	21.6	4.82	25.9	5.24	28.0	5.80	30.1	6.36	34.4	7.63	38.6	9.01
	41	17.4	4.58	21.6	5.08	25.9	5.44	28.0	6.02	30.1	6.60	34.4	7.92	38.6	9.35
	43	17.4	4.95	21.6	5.33	25.9	5.64	28.0	6.24	30.1	6.84	34.4	8.21	37.9	9.69
	44	17.4	4.75	21.6	5.12	25.9	5.41	28.0	5.99	30.1	6.57	34.4	7.88	36.4	9.30
	46	17.4	4.35	21.6	4.69	25.9	4.96	28.0	5.49	30.1	6.02	32.3	7.22	33.3	8.52
	47	17.4	4.15	21.6	4.48	25.9	4.73	28.0	5.24	29.7	5.75	30.7	6.90	31.8	8.14
	48	17.4	3.80	21.6	4.09	25.9	4.33	27.6	4.79	28.1	5.25	29.2	6.30	30.3	7.44
	50	17.4	3.56	21.6	3.84	24.0	4.06	24.5	4.49	25.1	4.93	26.1	5.91	27.2	6.97
	52	17.4	3.17	19.9	3.41	20.9	3.61	21.5	3.99	22.0	4.38	23.1	5.25	24.1	6.20
60%	-5	14.9	1.86	18.5	2.20	22.2	2.57	24.0	2.76	25.8	2.95	29.5	3.36	33.1	3.78
	0	14.9	1.87	18.5	2.21	22.2	2.58	24.0	2.78	25.8	2.98	29.5	3.39	33.1	3.82
	4	14.9	1.88	18.5	2.22	22.2	2.60	24.0	2.80	25.8	2.99	29.5	3.41	33.1	3.84
	7	14.9	1.89	18.5	2.23	22.2	2.61	24.0	2.81	25.8	3.01	29.5	3.43	33.1	3.86
	10	14.9	1.90	18.5	2.24	22.2	2.62	24.0	2.82	25.8	3.02	29.5	3.45	33.1	3.88
	12	14.9	1.92	18.5	2.27	22.2	2.66	24.0	2.87	25.8	3.07	29.5	3.51	33.1	3.95
	14	14.9	1.94	18.5	2.31	22.2	2.70	24.0	2.91	25.8	3.12	29.5	3.56	33.1	4.02
	15	14.9	1.96	18.5	2.34	22.2	2.74	24.0	2.95	25.8	3.17	29.5	3.62	33.1	4.09
	18	14.9	1.98	18.5	2.37	22.2	2.78	24.0	3.00	25.8	3.22	29.5	3.68	33.1	4.16
	20	14.9	2.00	18.5	2.40	22.2	2.82	24.0	3.04	25.8	3.27	29.5	3.74	33.1	4.23
	21	14.9	2.02	18.5	2.42	22.2	2.84	24.0	3.06	25.8	3.29	29.5	3.77	33.1	4.26
	23	14.9	2.04	18.5	2.45	22.2	2.88	24.0	3.11	25.8	3.34	29.5	4.05	33.1	4.61
	25	14.9	2.06	18.5	2.48	22.2	2.92	24.0	3.33	25.8	3.59	29.5	4.33	33.1	4.95
	27	14.9	2.08	18.5	2.71	22.2	3.14	24.0	3.54	25.8	3.84	29.5	4.61	33.1	5.30
	29	14.9	2.30	18.5	2.93	22.2	3.36	24.0	3.76	25.8	4.09	29.5	4.89	33.1	5.64
	30	14.9	2.41	18.5	3.05	22.2	3.47	24.0	3.87	25.8	4.22	29.5	5.03	33.1	5.82
	31	14.9	2.52	18.5	3.16	22.2	3.58	24.0	3.98	25.8	4.34	29.5	5.17	33.1	5.99
	33	14.9	2.75	18.5	3.39	22.2	3.80	24.0	4.20	25.8	4.59	29.5	5.46	33.1	6.33
	35	14.9	2.97	18.5	3.62	22.2	4.02	24.0	4.42	25.8	4.84	29.5	5.74	33.1	6.68
	37	14.9	3.26	18.5	3.82	22.2	4.19	24.0	4.60	25.8	5.04	29.5	5.97	33.1	6.95
	39	14.9	3.56	18.5	4.03	22.2	4.35	24.0	4.78	25.8	5.24	29.5	6.21	33.1	7.22
	41	14.9	3.85	18.5	4.24	22.2	4.51	24.0	4.96	25.8	5.44	29.5	6.44	33.1	7.50
	43	14.9	4.15	18.5	4.44	22.2	4.68	24.0	5.14	25.8	5.64	29.5	6.68	33.1	7.77
	44	14.9	3.98	18.5	4.27	22.2	4.49	24.0	4.93	25.8	5.41	29.5	6.41	33.1	7.46
	46	14.9	3.65	18.5	3.91	22.2	4.12	24.0	4.52	25.8	4.96	29.5	5.83	32.6	6.84
	47	14.9	3.48	18.5	3.73	22.2	3.93	24.0	4.32	25.8	4.73	29.5	5.61	31.1	6.53
	48	14.9	3.19	18.5	3.41	22.2	3.59	24.0	3.95	25.8	4.33	28.5	5.13	29.5	5.97
	50	14.9	2.99	18.5	3.20	22.2	3.37	23.8	3.70	24.3	4.06	25.4	4.81	26.5	5.60
	52	14.9	2.65	18.5	2.84	20.2	2.99	20.7	3.29	21.3	3.61	22.3	4.27	23.4	4.97

Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp. (°C DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50%	-5	12.4	1.65	15.4	1.92	18.5	2.20	20.0	2.35	21.5	2.50	24.6	2.82	27.6	3.15
	0	12.4	1.66	15.4	1.93	18.5	2.21	20.0	2.36	21.5	2.52	24.6	2.84	27.6	3.18
	4	12.4	1.66	15.4	1.94	18.5	2.22	20.0	2.38	21.5	2.54	24.6	2.86	27.6	3.20
	7	12.4	1.67	15.4	1.94	18.5	2.23	20.0	2.39	21.5	2.55	24.6	2.87	27.6	3.21
	10	12.4	1.67	15.4	1.95	18.5	2.24	20.0	2.40	21.5	2.56	24.6	2.89	27.6	3.23
	12	12.4	1.69	15.4	1.98	18.5	2.27	20.0	2.43	21.5	2.60	24.6	2.93	27.6	3.28
	14	12.4	1.71	15.4	2.00	18.5	2.31	20.0	2.47	21.5	2.63	24.6	2.98	27.6	3.34
	16	12.4	1.73	15.4	2.02	18.5	2.34	20.0	2.50	21.5	2.67	24.6	3.02	27.6	3.39
	18	12.4	1.75	15.4	2.05	18.5	2.37	20.0	2.54	21.5	2.71	24.6	3.07	27.6	3.44
	20	12.4	1.77	15.4	2.07	18.5	2.40	20.0	2.57	21.5	2.75	24.6	3.11	27.6	3.50
	21	12.4	1.78	15.4	2.08	18.5	2.42	20.0	2.59	21.5	2.77	24.6	3.14	27.6	3.52
	23	12.4	1.80	15.4	2.10	18.5	2.45	20.0	2.62	21.5	2.80	24.6	3.18	27.6	3.58
	25	12.4	1.82	15.4	2.13	18.5	2.48	20.0	2.66	21.5	2.84	24.6	3.41	27.6	3.86
	27	12.4	1.83	15.4	2.15	18.5	2.64	20.0	2.84	21.5	3.05	24.6	3.64	27.6	4.14
	29	12.4	2.00	15.4	2.36	18.5	2.80	20.0	3.03	21.5	3.26	24.6	3.87	27.6	4.42
	30	12.4	2.09	15.4	2.47	18.5	2.88	20.0	3.12	21.5	3.37	24.6	3.98	27.6	4.56
	31	12.4	2.17	15.4	2.57	18.5	2.96	20.0	3.21	21.5	3.47	24.6	4.10	27.6	4.70
	33	12.4	2.34	15.4	2.78	18.5	3.13	20.0	3.40	21.5	3.68	24.6	4.32	27.6	4.99
	35	12.4	2.50	15.4	2.99	18.5	3.29	20.0	3.58	21.5	3.89	24.6	4.55	27.6	5.27
	37	12.4	2.74	15.4	3.16	18.5	3.42	20.0	3.73	21.5	4.05	24.6	4.74	27.6	5.48
	39	12.4	2.97	15.4	3.32	18.5	3.56	20.0	3.88	21.5	4.21	24.6	4.92	27.6	5.70
	41	12.4	3.20	15.4	3.49	18.5	3.69	20.0	4.02	21.5	4.37	24.6	5.11	27.6	5.91
	43	12.4	3.43	15.4	3.65	18.5	3.83	20.0	4.17	21.5	4.53	24.6	5.30	27.6	6.13
	44	12.4	3.29	15.4	3.51	18.5	3.67	20.0	4.00	21.5	4.35	24.6	5.09	27.6	5.88
	46	12.4	3.02	15.4	3.21	18.5	3.37	20.0	3.67	21.5	3.99	24.6	4.66	27.6	5.39
	47	12.4	2.88	15.4	3.07	18.5	3.21	20.0	3.50	21.5	3.81	24.6	4.45	27.6	5.15
	48	12.4	2.64	15.4	2.81	18.5	2.94	20.0	3.20	21.5	3.48	24.6	4.07	27.6	4.71
	50	12.4	2.47	15.4	2.63	18.5	2.75	20.0	3.00	21.5	3.26	24.6	3.81	25.8	4.41
	52	12.4	2.20	15.4	2.34	18.5	2.45	20.0	2.67	20.6	2.90	21.6	3.39	22.7	3.92

GMV-450WML/A-X

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Condensing rate	Outdoor air temp(°C DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
135%	-5	37.7	4.28	46.9	5.45	56.1	6.62	60.8	6.81	63.1	7.09	64.3	7.27	65.5	7.36
	0	37.7	4.32	46.9	5.49	56.1	6.68	60.7	6.88	61.3	7.17	62.5	7.36	63.7	7.47
	4	37.7	4.35	46.9	5.53	56.1	6.73	59.2	6.94	59.8	7.23	61.0	7.43	62.2	7.56
	7	37.7	4.37	46.9	5.56	56.1	6.77	58.1	6.98	58.7	7.28	59.9	7.48	61.1	7.63
	10	37.7	4.40	46.9	5.59	56.1	6.80	57.0	7.02	57.6	7.33	58.8	7.53	60.0	7.69
	12	37.7	4.47	46.9	5.68	55.7	6.92	56.3	7.16	56.9	7.49	58.1	7.71	59.3	7.96
	14	37.7	4.55	46.9	5.77	54.9	7.04	55.5	7.30	56.1	7.65	57.3	7.99	58.5	8.22
	16	37.7	4.62	46.9	5.86	54.2	7.16	54.8	7.44	55.4	7.94	56.6	8.26	57.8	8.48
	18	37.7	4.70	46.9	5.95	53.5	7.52	54.1	7.78	54.7	8.23	55.9	8.54	57.1	8.75
	20	37.7	4.77	46.9	6.49	52.7	7.88	53.3	8.12	53.9	8.52	55.1	8.81	56.3	9.01
	21	37.7	4.81	46.9	6.75	52.4	8.06	53.0	8.29	53.6	8.67	54.8	8.95	56.0	9.14
	23	37.7	5.33	46.9	7.29	51.6	8.42	52.2	8.62	52.8	8.96	54.0	9.22	55.2	9.41
	25	37.7	5.86	46.9	7.82	50.9	8.78	51.5	8.96	52.1	9.25	53.3	9.50	54.5	9.67
	27	37.7	6.38	46.9	8.36	50.1	9.15	50.7	9.30	51.4	9.54	52.6	9.77	53.8	9.93
	29	37.7	6.90	46.9	8.89	49.4	9.51	50.0	9.64	50.6	9.83	51.8	10.05	53.0	10.20
	30	37.7	7.17	46.9	9.16	49.0	9.69	49.6	9.81	50.3	9.98	51.5	10.19	52.7	10.33
	31	37.7	7.43	46.9	9.42	48.7	9.87	49.3	9.97	49.9	10.12	51.1	10.33	52.3	10.46
	33	37.7	7.95	46.7	9.96	47.9	10.23	48.5	10.31	49.1	10.41	50.4	10.60	51.6	10.72
	35	37.7	8.47	46.0	10.49	47.2	10.59	47.8	10.65	48.4	10.71	49.6	10.88	50.8	10.99
	37	37.7	9.24	45.3	10.94	46.5	11.03	47.1	11.09	47.7	11.14	48.9	11.32	50.1	11.44
	39	37.7	10.01	44.5	11.38	45.7	11.46	46.3	11.52	46.9	11.58	48.2	11.77	49.4	11.89
	41	37.7	10.78	43.8	11.82	45.0	11.89	45.6	11.96	46.2	12.02	47.4	12.21	48.6	12.34
	43	37.7	11.55	43.1	12.27	44.3	12.33	44.9	12.39	45.5	12.46	46.7	12.66	47.9	12.79
	44	37.7	11.08	41.3	11.78	42.5	11.83	43.2	11.90	43.8	11.96	45.0	12.15	46.2	12.28
	46	36.7	10.16	37.9	10.80	39.1	10.85	39.7	10.91	40.3	10.96	41.5	11.14	42.7	11.25
	47	35.0	9.70	36.2	10.31	37.4	10.36	38.0	10.41	38.6	10.47	39.8	10.63	41.0	10.74
	48	33.2	8.87	34.4	9.42	35.7	9.47	36.3	9.52	36.9	9.57	38.1	9.72	39.3	9.82
	50	29.8	8.31	31.0	8.83	32.2	8.88	32.8	8.92	33.4	8.97	34.6	9.11	35.8	9.21
	52	26.3	7.39	27.6	7.85	28.8	7.89	29.4	7.93	30.0	7.97	31.2	8.10	32.4	8.18
120%	-5	33.5	3.95	41.7	4.97	49.9	6.03	54.0	6.61	58.1	6.81	63.1	7.19	64.3	7.29
	0	33.5	3.99	41.7	5.01	49.9	6.08	54.0	6.67	58.1	6.88	61.3	7.27	62.5	7.39
	4	33.5	4.01	41.7	5.05	49.9	6.13	54.0	6.73	58.1	6.94	59.8	7.34	61.0	7.47
	7	33.5	4.03	41.7	5.08	49.9	6.16	54.0	6.76	57.5	6.98	58.7	7.38	59.9	7.53
	10	33.5	4.05	41.7	5.10	49.9	6.19	54.0	6.80	56.4	7.02	57.6	7.43	58.8	7.59
	12	33.5	4.12	41.7	5.19	49.9	6.30	54.0	6.93	55.7	7.17	56.9	7.59	58.1	7.79
	14	33.5	4.19	41.7	5.28	49.9	6.41	54.0	7.06	54.9	7.31	56.1	7.75	57.3	8.06
	16	33.5	4.26	41.7	5.37	49.9	6.52	53.6	7.18	54.2	7.45	55.4	8.04	56.6	8.33
	18	33.5	4.33	41.7	5.47	49.9	6.63	52.8	7.54	53.5	7.79	54.7	8.33	55.9	8.59
	20	33.5	4.39	41.7	5.56	49.9	7.08	52.1	7.90	52.7	8.13	53.9	8.61	55.1	8.86
	21	33.5	4.43	41.7	5.84	49.9	7.31	51.7	8.08	52.3	8.30	53.6	8.76	54.8	9.00
	23	33.5	4.90	41.7	6.40	49.9	7.76	51.0	8.44	51.6	8.63	52.8	9.04	54.0	9.26
	25	33.5	5.38	41.7	6.96	49.7	8.21	50.3	8.80	50.9	8.97	52.1	9.33	53.3	9.53
	27	33.5	5.85	41.7	7.52	48.9	8.67	49.5	9.16	50.1	9.30	51.4	9.62	52.6	9.80
	29	33.5	6.32	41.7	8.08	48.2	9.12	48.8	9.52	49.4	9.64	50.6	9.90	51.8	10.07
	30	33.5	6.56	41.7	8.37	47.8	9.35	48.4	9.70	49.0	9.81	50.3	10.05	51.5	10.20
	31	33.5	6.80	41.7	8.65	47.5	9.57	48.1	9.88	48.7	9.98	49.9	10.19	51.1	10.34
	33	33.5	7.27	41.7	9.21	46.7	10.03	47.3	10.23	47.9	10.31	49.1	10.48	50.4	10.61
	35	33.5	7.74	41.7	9.77	46.0	10.48	46.6	10.59	47.2	10.65	48.4	10.76	49.6	10.88
	37	33.5	8.55	41.7	10.27	45.3	10.91	45.9	11.03	46.5	11.09	47.7	11.20	48.9	11.32
	39	33.5	9.35	41.7	10.78	44.5	11.34	45.1	11.46	45.7	11.52	46.9	11.64	48.2	11.77
	41	33.5	10.15	41.7	11.28	43.8	11.77	44.4	11.89	45.0	11.96	46.2	12.08	47.4	12.21
	43	33.5	10.95	41.7	11.78	43.1	12.20	43.7	12.33	44.3	12.39	45.5	12.52	46.7	12.66
	44	33.5	10.51	40.1	11.31	41.3	11.71	41.9	11.83	42.5	11.90	43.8	12.02	45.0	12.15
	46	33.5	9.64	36.7	10.37	37.9	10.73	38.5	10.85	39.1	10.91	40.3	11.02	41.5	11.14
	47	33.5	9.20	35.0	9.90	36.2	10.25	36.8	10.36	37.4	10.41	38.6	10.52	39.8	10.63
	48	32.0	8.41	33.2	9.05	34.4	9.37	35.1	9.47	35.7	9.52	36.9	9.62	38.1	9.72
	50	28.6	7.89	29.8	8.48	31.0	8.78	31.6	8.88	32.2	8.92	33.4	9.02	34.6	9.11
	52	25.1	7.01	26.3	7.54	27.6	7.81	28.2	7.89	28.8	7.93	30.0	8.02	31.2	8.10

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp(°C DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-5	30.7	3.62	38.2	4.53	45.7	5.49	49.5	5.97	53.3	6.50	60.8	7.01	63.5	7.22
	0	30.7	3.65	38.2	4.57	45.7	5.54	49.5	6.02	53.3	6.56	60.5	7.08	61.7	7.31
	4	30.7	3.68	38.2	4.61	45.7	5.58	49.5	6.07	53.3	6.61	59.0	7.14	60.2	7.38
	7	30.7	3.70	38.2	4.63	45.7	5.61	49.5	6.10	53.3	6.65	57.9	7.18	59.1	7.43
	10	30.7	3.72	38.2	4.66	45.7	5.64	49.5	6.14	53.3	6.69	56.8	7.23	58.0	7.49
	12	30.7	3.78	38.2	4.74	45.7	5.74	49.5	6.25	53.3	6.82	56.1	7.37	57.3	7.66
	14	30.7	3.84	38.2	4.82	45.7	5.84	49.5	6.37	53.3	6.95	55.3	7.52	56.5	7.84
	16	30.7	3.90	38.2	4.90	45.7	5.94	49.5	6.48	53.3	7.08	54.6	7.66	55.8	8.12
	18	30.7	3.97	38.2	4.98	45.7	6.04	49.5	6.60	52.6	7.44	53.9	7.97	55.1	8.41
	20	30.7	4.03	38.2	5.06	45.7	6.53	49.5	7.05	51.9	7.81	53.1	8.29	54.3	8.69
	21	30.7	4.06	38.2	5.10	45.7	6.78	49.5	7.28	51.5	7.99	52.8	8.45	54.0	8.83
	23	30.7	4.12	38.2	5.66	45.7	7.27	49.5	7.74	50.8	8.35	52.0	8.76	53.2	9.12
	25	30.7	4.60	38.2	6.22	45.7	7.76	49.5	8.20	50.1	8.72	51.3	9.08	52.5	9.40
	27	30.7	5.08	38.2	6.78	45.7	8.26	48.7	8.65	49.3	9.08	50.5	9.39	51.8	9.68
	29	30.7	5.57	38.2	7.35	45.7	8.75	48.0	9.11	48.6	9.44	49.8	9.71	51.0	9.97
	30	30.7	5.81	38.2	7.63	45.7	9.00	47.6	9.34	48.2	9.63	49.4	9.86	50.7	10.11
	31	30.7	6.05	38.2	7.91	45.7	9.24	47.3	9.57	47.9	9.81	49.1	10.02	50.3	10.25
	33	30.7	6.53	38.2	8.47	45.7	9.74	46.5	10.02	47.1	10.17	48.3	10.34	49.6	10.54
	35	30.7	7.01	38.2	9.03	45.2	10.23	45.8	10.48	46.4	10.54	47.6	10.65	48.8	10.82
	37	30.7	7.83	38.2	9.57	44.5	10.65	45.1	10.91	45.7	10.97	46.9	11.09	48.1	11.26
	39	30.7	8.65	38.2	10.12	43.7	11.07	44.3	11.34	44.9	11.40	46.1	11.52	47.3	11.70
	41	30.7	9.47	38.2	10.66	43.0	11.49	43.6	11.77	44.2	11.83	45.4	11.96	46.6	12.15
	43	30.7	10.29	38.2	11.21	42.3	11.90	42.9	12.20	43.5	12.26	44.7	12.39	45.9	12.59
	44	30.7	9.88	38.2	10.76	40.5	11.43	41.1	11.71	41.7	11.77	43.0	11.90	44.2	12.09
	46	30.7	9.06	35.9	9.86	37.1	10.48	37.7	10.73	38.3	10.79	39.5	10.91	40.7	11.08
	47	30.7	8.64	34.2	9.41	35.4	10.00	36.0	10.25	36.6	10.30	37.8	10.41	39.0	10.58
	48	30.7	7.90	32.4	8.61	33.6	9.14	34.2	9.37	34.9	9.42	36.1	9.52	37.3	9.67
	50	27.8	7.41	29.0	8.07	30.2	8.57	30.8	8.78	31.4	8.83	32.6	8.92	33.8	9.06
	52	24.3	6.59	25.5	7.17	26.8	7.62	27.4	7.81	28.0	7.85	29.2	7.93	30.4	8.06
100%	-5	27.9	3.32	34.8	4.11	41.6	4.97	45.0	5.43	48.4	5.86	55.2	6.78	62.1	7.05
	0	27.9	3.34	34.8	4.15	41.6	5.01	45.0	5.48	48.4	5.91	55.2	6.84	60.9	7.13
	4	27.9	3.36	34.8	4.17	41.6	5.05	45.0	5.52	48.4	5.96	55.2	6.89	59.4	7.19
	7	27.9	3.38	34.8	4.20	41.6	5.08	45.0	5.55	48.4	5.99	55.2	6.93	58.3	7.24
	10	27.9	3.40	34.8	4.22	41.6	5.10	45.0	5.59	48.4	6.03	55.2	6.97	57.2	7.28
	12	27.9	3.45	34.8	4.29	41.6	5.19	45.0	5.69	48.4	6.14	55.2	7.09	56.5	7.44
	14	27.9	3.50	34.8	4.37	41.6	5.28	45.0	5.79	48.4	6.26	54.5	7.22	55.7	7.59
	16	27.9	3.56	34.8	4.44	41.6	5.37	45.0	5.89	48.4	6.37	53.8	7.35	55.0	7.89
	18	27.9	3.61	34.8	4.51	41.6	5.47	45.0	5.99	48.4	6.48	53.0	7.69	54.3	8.19
	20	27.9	3.66	34.8	4.59	41.6	5.56	45.0	6.49	48.4	6.95	52.3	8.03	53.5	8.48
	21	27.9	3.69	34.8	4.62	41.6	5.79	45.0	6.74	48.4	7.19	51.9	8.20	53.2	8.63
	23	27.9	3.74	34.8	5.10	41.6	6.27	45.0	7.24	48.4	7.66	51.2	8.54	52.4	8.93
	25	27.9	4.15	34.8	5.58	41.6	6.75	45.0	7.74	48.4	8.13	50.5	8.89	51.7	9.22
	27	27.9	4.57	34.8	6.06	41.6	7.22	45.0	8.23	48.4	8.60	49.7	9.23	50.9	9.52
	29	27.9	4.98	34.8	6.54	41.6	7.70	45.0	8.73	47.8	9.07	49.0	9.57	50.2	9.82
	30	27.9	5.18	34.8	6.78	41.6	7.93	45.0	8.98	47.4	9.31	48.6	9.74	49.8	9.96
	31	27.9	5.39	34.8	7.02	41.6	8.17	45.0	9.23	47.1	9.54	48.3	9.91	49.5	10.11
	33	27.9	5.80	34.8	7.50	41.6	8.65	45.0	9.73	46.3	10.01	47.5	10.25	48.7	10.41
	35	27.9	6.21	34.8	7.98	41.6	9.12	45.0	10.23	45.6	10.48	46.8	10.59	48.0	10.71
	37	27.9	6.94	34.8	8.47	41.6	9.50	44.3	10.65	44.9	10.91	46.1	11.03	47.3	11.14
	39	27.9	7.67	34.8	8.96	41.6	9.87	43.5	11.07	44.1	11.34	45.3	11.46	46.5	11.58
	41	27.9	8.40	34.8	9.46	41.6	10.24	42.8	11.49	43.4	11.77	44.6	11.89	45.8	12.02
	43	27.9	9.13	34.8	9.95	41.5	10.62	42.1	11.90	42.7	12.20	43.9	12.33	45.1	12.46
	44	27.9	8.77	34.8	9.55	39.7	10.19	40.3	11.43	40.9	11.71	42.1	11.83	43.4	11.96
	46	27.9	8.04	34.8	8.76	36.3	9.34	36.9	10.48	37.5	10.73	38.7	10.85	39.9	10.96
	47	27.9	7.67	33.4	8.36	34.6	8.92	35.2	10.00	35.8	10.25	37.0	10.36	38.2	10.47
	48	27.9	7.01	31.6	7.64	32.8	8.15	33.4	9.14	34.0	9.37	35.3	9.47	36.5	9.57
	50	27.0	6.58	28.2	7.16	29.4	7.64	30.0	8.57	30.6	8.78	31.8	8.88	33.0	8.97
	52	23.5	5.85	24.7	6.37	25.9	6.80	26.6	7.62	27.2	7.81	28.4	7.89	29.6	7.97

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°C DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-5	25.1	3.02	31.3	3.70	37.4	4.45	40.5	4.83	43.6	5.23	49.7	6.03	55.9	6.88
	0	25.1	3.04	31.3	3.74	37.4	4.49	40.5	4.88	43.6	5.28	49.7	6.08	55.9	6.95
	4	25.1	3.06	31.3	3.76	37.4	4.52	40.5	4.91	43.6	5.32	49.7	6.13	55.9	7.00
	7	25.1	3.07	31.3	3.78	37.4	4.54	40.5	4.94	43.6	5.35	49.7	6.16	55.9	7.04
	10	25.1	3.09	31.3	3.80	37.4	4.57	40.5	4.97	43.6	5.37	49.7	6.19	55.9	7.08
	12	25.1	3.13	31.3	3.86	37.4	4.65	40.5	5.05	43.6	5.47	49.7	6.30	55.7	7.21
	14	25.1	3.18	31.3	3.92	37.4	4.73	40.5	5.14	43.6	5.57	49.7	6.41	54.9	7.34
	16	25.1	3.22	31.3	3.99	37.4	4.81	40.5	5.23	43.6	5.67	49.7	6.53	54.2	7.48
	18	25.1	3.27	31.3	4.05	37.4	4.89	40.5	5.32	43.6	5.77	49.7	6.64	53.5	7.80
	20	25.1	3.32	31.3	4.11	37.4	4.97	40.5	5.41	43.6	5.87	49.7	7.09	52.7	8.13
	21	25.1	3.34	31.3	4.14	37.4	5.01	40.5	5.63	43.6	6.13	49.7	7.31	52.3	8.30
	23	25.1	3.39	31.3	4.21	37.4	5.42	40.5	6.08	43.6	6.66	49.7	7.77	51.5	8.62
	25	25.1	3.43	31.3	4.66	37.4	5.82	40.5	6.54	43.6	7.18	49.7	8.22	50.9	8.95
	27	25.1	3.84	31.3	5.11	37.4	6.23	40.5	6.99	43.6	7.70	48.9	8.67	50.1	9.28
	29	25.1	4.24	31.3	5.57	37.4	6.64	40.5	7.44	43.6	8.22	48.2	9.12	49.4	9.61
	30	25.1	4.44	31.3	5.79	37.4	6.84	40.5	7.66	43.6	8.48	47.8	9.35	49.0	9.77
	31	25.1	4.64	31.3	6.02	37.4	7.04	40.5	7.89	43.6	8.74	47.5	9.58	48.7	9.94
	33	25.1	5.05	31.3	6.47	37.4	7.45	40.5	8.34	43.3	9.27	46.7	10.03	47.9	10.27
	35	25.1	5.45	31.3	6.93	37.4	7.85	40.5	8.79	43.6	9.79	46.0	10.48	47.2	10.59
	37	25.1	6.07	31.3	7.35	37.4	8.17	40.5	9.15	43.6	10.19	45.3	10.91	46.5	11.03
	39	25.1	6.69	31.3	7.76	37.4	8.49	40.5	9.51	43.3	10.59	44.5	11.34	45.7	11.46
	41	25.1	7.30	31.3	8.18	37.4	8.82	40.5	9.87	42.6	10.99	43.8	11.77	45.0	11.89
	43	25.1	7.92	31.3	8.60	37.4	9.14	40.5	10.23	41.9	11.39	43.1	12.20	44.3	12.33
	44	25.1	7.61	31.3	8.26	37.4	8.77	39.5	9.82	40.1	10.93	41.3	11.71	42.5	11.83
	46	25.1	6.97	31.3	7.57	35.5	8.04	36.1	9.00	36.7	10.02	37.9	10.73	39.1	10.85
	47	25.1	6.66	31.3	7.22	33.8	7.68	34.4	8.59	35.0	9.57	36.2	10.25	37.4	10.36
	48	25.1	6.08	30.8	6.60	32.0	7.02	32.6	7.86	33.2	8.75	34.4	9.37	35.7	9.47
	50	25.1	5.70	27.4	6.19	28.6	6.58	29.2	7.37	29.8	8.20	31.0	8.78	32.2	8.88
	52	22.7	5.07	23.9	5.50	25.1	5.85	25.7	6.55	26.3	7.29	27.6	7.81	28.8	7.89
80%	-5	22.3	2.72	27.8	3.32	33.3	3.95	36.0	4.28	38.7	4.62	44.2	5.33	49.7	6.03
	0	22.3	2.74	27.8	3.34	33.3	3.99	36.0	4.32	38.7	4.66	44.2	5.37	49.7	6.08
	4	22.3	2.75	27.8	3.36	33.3	4.01	36.0	4.35	38.7	4.69	44.2	5.41	49.7	6.13
	7	22.3	2.77	27.8	3.38	33.3	4.03	36.0	4.37	38.7	4.72	44.2	5.44	49.7	6.16
	10	22.3	2.78	27.8	3.40	33.3	4.05	36.0	4.40	38.7	4.74	44.2	5.47	49.7	6.19
	12	22.3	2.82	27.8	3.45	33.3	4.12	36.0	4.47	38.7	4.83	44.2	5.56	49.7	6.30
	14	22.3	2.86	27.8	3.50	33.3	4.19	36.0	4.55	38.7	4.91	44.2	5.66	49.7	6.41
	16	22.3	2.90	27.8	3.56	33.3	4.26	36.0	4.62	38.7	5.00	44.2	5.75	49.7	6.53
	18	22.3	2.94	27.8	3.61	33.3	4.33	36.0	4.70	38.7	5.08	44.2	5.84	49.7	6.64
	20	22.3	2.98	27.8	3.66	33.3	4.39	36.0	4.77	38.7	5.17	44.2	6.33	49.7	7.09
	21	22.3	3.00	27.8	3.69	33.3	4.43	36.0	4.81	38.7	5.21	44.2	6.58	49.7	7.31
	23	22.3	3.05	27.8	3.74	33.3	4.76	36.0	5.19	38.7	5.65	44.2	7.07	49.7	7.77
	25	22.3	3.09	27.8	4.11	33.3	5.09	36.0	5.57	38.7	6.09	44.2	7.56	49.7	8.22
	27	22.3	3.42	27.8	4.49	33.3	5.42	36.0	5.95	38.7	6.53	44.2	8.05	49.3	8.67
	29	22.3	3.75	27.8	4.86	33.3	5.75	36.0	6.33	38.7	6.97	44.2	8.54	48.6	9.12
	30	22.3	3.92	27.8	5.04	33.3	5.92	36.0	6.52	38.7	7.19	44.2	8.78	48.2	9.35
	31	22.3	4.08	27.8	5.23	33.3	6.08	36.0	6.71	38.7	7.41	44.2	9.03	47.9	9.58
	33	22.3	4.41	27.8	5.60	33.3	6.42	36.0	7.09	38.7	7.85	44.2	9.52	47.1	10.03
	35	22.3	4.75	27.8	5.97	33.3	6.75	36.0	7.47	38.7	8.29	44.2	10.01	46.4	10.48
	37	22.3	5.27	27.8	6.33	33.3	7.02	36.0	7.77	38.7	8.63	44.2	10.42	45.7	10.91
	39	22.3	5.79	27.8	6.69	33.3	7.30	36.0	8.08	38.7	8.97	43.7	10.83	44.9	11.34
	41	22.3	6.31	27.8	7.04	33.3	7.57	36.0	8.38	38.7	9.31	43.0	11.24	44.2	11.77
	43	22.3	6.84	27.8	7.40	33.3	7.85	36.0	8.69	38.7	9.65	42.3	11.65	43.5	12.20
	44	22.3	6.55	27.8	7.10	33.3	7.54	36.0	8.34	38.7	9.27	40.5	11.18	41.7	11.71
	46	22.3	6.02	27.8	6.51	33.3	6.91	35.3	7.64	35.9	8.49	37.1	10.25	38.3	10.73
	47	22.3	5.74	27.8	6.22	33.0	6.59	33.6	7.30	34.2	8.11	35.4	9.78	36.6	10.25
	48	22.3	5.25	27.8	5.68	31.2	6.03	31.8	6.67	32.4	7.41	33.6	8.95	34.9	9.37
	50	22.3	4.92	26.6	5.33	27.8	5.65	28.4	6.25	29.0	6.95	30.2	8.39	31.4	8.78
	52	21.9	4.38	23.1	4.74	24.3	5.02	24.9	5.56	25.5	6.18	26.8	7.45	28.0	7.81

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°C DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5	19.5	2.45	24.3	2.94	29.1	3.47	31.5	3.75	33.9	4.03	38.7	4.62	43.5	5.24
	0	19.5	2.47	24.3	2.96	29.1	3.50	31.5	3.78	33.9	4.07	38.7	4.66	43.5	5.29
	4	19.5	2.48	24.3	2.98	29.1	3.52	31.5	3.81	33.9	4.09	38.7	4.69	43.5	5.32
	7	19.5	2.49	24.3	2.99	29.1	3.54	31.5	3.82	33.9	4.12	38.7	4.72	43.5	5.35
	10	19.5	2.50	24.3	3.01	29.1	3.56	31.5	3.84	33.9	4.14	38.7	4.74	43.5	5.37
	12	19.5	2.53	24.3	3.05	29.1	3.61	31.5	3.91	33.9	4.21	38.7	4.83	43.5	5.46
	14	19.5	2.57	24.3	3.10	29.1	3.67	31.5	3.97	33.9	4.28	38.7	4.91	43.5	5.55
	16	19.5	2.60	24.3	3.14	29.1	3.73	31.5	4.03	33.9	4.35	38.7	5.00	43.5	5.64
	18	19.5	2.63	24.3	3.19	29.1	3.78	31.5	4.09	33.9	4.42	38.7	5.08	43.5	5.73
	20	19.5	2.67	24.3	3.23	29.1	3.84	31.5	4.16	33.9	4.49	38.7	5.17	43.5	5.82
	21	19.5	2.68	24.3	3.25	29.1	3.87	31.5	4.19	33.9	4.52	38.7	5.38	43.5	6.08
	23	19.5	2.72	24.3	3.30	29.1	3.93	31.5	4.25	33.9	4.86	38.7	5.79	43.5	6.61
	25	19.5	2.75	24.3	3.34	29.1	4.22	31.5	4.59	33.9	5.20	38.7	6.21	43.5	7.14
	27	19.5	3.02	24.3	3.69	29.1	4.52	31.5	4.93	33.9	5.55	38.7	6.63	43.5	7.67
	29	19.5	3.29	24.3	4.04	29.1	4.81	31.5	5.28	33.9	5.89	38.7	7.04	43.5	8.20
	30	19.5	3.42	24.3	4.21	29.1	4.96	31.5	5.45	33.9	6.06	38.7	7.25	43.5	8.46
	31	19.5	3.55	24.3	4.38	29.1	5.11	31.5	5.62	33.9	6.23	38.7	7.46	43.5	8.73
	33	19.5	3.82	24.3	4.73	29.1	5.40	31.5	5.96	33.9	6.57	38.7	7.88	43.5	9.26
	35	19.5	4.09	24.3	5.08	29.1	5.70	31.5	6.30	33.9	6.91	38.7	8.29	43.5	9.79
	37	19.5	4.52	24.3	5.38	29.1	5.93	31.5	6.56	33.9	7.20	38.7	8.63	43.5	10.19
	39	19.5	4.95	24.3	5.67	29.1	6.16	31.5	6.82	33.9	7.48	38.7	8.97	43.5	10.59
	41	19.5	5.38	24.3	5.97	29.1	6.39	31.5	7.08	33.9	7.76	38.7	9.31	43.4	10.99
	43	19.5	5.82	24.3	6.27	29.1	6.63	31.5	7.34	33.9	8.04	38.7	9.65	42.7	11.39
	44	19.5	5.58	24.3	6.02	29.1	6.36	31.5	7.04	33.9	7.72	38.7	9.27	40.9	10.93
	46	19.5	5.12	24.3	5.52	29.1	5.83	31.5	6.46	33.9	7.08	36.3	8.49	37.5	10.02
	47	19.5	4.89	24.3	5.27	29.1	5.57	31.5	6.16	33.4	6.76	34.6	8.11	35.8	9.57
	50	19.5	4.19	24.3	4.51	27.0	4.77	27.6	5.28	28.2	5.79	29.4	6.95	30.6	8.20
	52	19.5	3.72	22.3	4.01	23.5	4.24	24.1	4.69	24.7	5.15	25.9	6.18	27.2	7.29
60%	-5	16.8	2.19	20.9	2.58	25.0	3.02	27.0	3.24	29.0	3.47	33.1	3.95	37.2	4.45
	0	16.8	2.20	20.9	2.60	25.0	3.04	27.0	3.27	29.0	3.50	33.1	3.99	37.2	4.49
	4	16.8	2.21	20.9	2.62	25.0	3.06	27.0	3.29	29.0	3.52	33.1	4.01	37.2	4.52
	7	16.8	2.22	20.9	2.63	25.0	3.07	27.0	3.30	29.0	3.54	33.1	4.03	37.2	4.54
	10	16.8	2.23	20.9	2.64	25.0	3.09	27.0	3.32	29.0	3.56	33.1	4.05	37.2	4.57
	12	16.8	2.25	20.9	2.67	25.0	3.13	27.0	3.37	29.0	3.61	33.1	4.12	37.2	4.65
	14	16.8	2.28	20.9	2.71	25.0	3.18	27.0	3.42	29.0	3.67	33.1	4.19	37.2	4.73
	16	16.8	2.31	20.9	2.75	25.0	3.22	27.0	3.47	29.0	3.73	33.1	4.26	37.2	4.81
	18	16.8	2.33	20.9	2.79	25.0	3.27	27.0	3.52	29.0	3.78	33.1	4.33	37.2	4.89
	20	16.8	2.36	20.9	2.82	25.0	3.32	27.0	3.58	29.0	3.84	33.1	4.39	37.2	4.97
	21	16.8	2.37	20.9	2.84	25.0	3.34	27.0	3.60	29.0	3.87	33.1	4.43	37.2	5.01
	23	16.8	2.40	20.9	2.88	25.0	3.39	27.0	3.65	29.0	3.93	33.1	4.76	37.2	5.42
	25	16.8	2.42	20.9	2.91	25.0	3.43	27.0	3.91	29.0	4.22	33.1	5.09	37.2	5.82
	27	16.8	2.45	20.9	3.18	25.0	3.69	27.0	4.17	29.0	4.52	33.1	5.42	37.2	6.23
	29	16.8	2.71	20.9	3.45	25.0	3.95	27.0	4.42	29.0	4.81	33.1	5.75	37.2	6.64
	30	16.8	2.84	20.9	3.58	25.0	4.08	27.0	4.55	29.0	4.96	33.1	5.92	37.2	6.84
	31	16.8	2.97	20.9	3.72	25.0	4.21	27.0	4.68	29.0	5.11	33.1	6.08	37.2	7.04
	33	16.8	3.23	20.9	3.99	25.0	4.47	27.0	4.94	29.0	5.40	33.1	6.42	37.2	7.45
	35	16.8	3.49	20.9	4.25	25.0	4.73	27.0	5.19	29.0	5.70	33.1	6.75	37.2	7.85
	37	16.8	3.84	20.9	4.50	25.0	4.92	27.0	5.40	29.0	5.93	33.1	7.02	37.2	8.17
	39	16.8	4.18	20.9	4.74	25.0	5.11	27.0	5.62	29.0	6.16	33.1	7.30	37.2	8.49
	41	16.8	4.53	20.9	4.98	25.0	5.31	27.0	5.83	29.0	6.39	33.1	7.57	37.2	8.82
	43	16.8	4.88	20.9	5.23	25.0	5.50	27.0	6.04	29.0	6.63	33.1	7.85	37.2	9.14
	44	16.8	4.66	20.9	5.02	25.0	5.28	27.0	5.80	29.0	6.36	33.1	7.54	37.2	8.77
	46	16.8	4.29	20.9	4.60	25.0	4.84	27.0	5.32	29.0	5.83	33.1	6.91	36.7	8.04
	47	16.8	4.10	20.9	4.39	25.0	4.62	27.0	5.08	29.0	5.57	33.1	6.59	35.0	7.68
	48	16.8	3.75	20.9	4.01	25.0	4.23	27.0	4.64	29.0	5.09	32.0	6.03	33.2	7.02
	50	16.8	3.51	20.9	3.76	25.0	3.96	26.8	4.35	27.4	4.77	28.6	5.65	29.8	6.58
52	16.8	3.12	20.9	3.34	22.7	3.52	23.3	3.87	23.9	4.24	25.1	5.02	26.3	5.85	

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp(°C DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-5	14.0	1.94	17.4	2.25	20.8	2.58	22.5	2.76	24.2	2.94	27.6	3.32	31.0	3.70
	0	14.0	1.95	17.4	2.27	20.8	2.60	22.5	2.78	24.2	2.96	27.6	3.34	31.0	3.74
	4	14.0	1.96	17.4	2.28	20.8	2.62	22.5	2.80	24.2	2.98	27.6	3.36	31.0	3.76
	7	14.0	1.96	17.4	2.29	20.8	2.63	22.5	2.81	24.2	2.99	27.6	3.38	31.0	3.78
	10	14.0	1.97	17.4	2.29	20.8	2.64	22.5	2.82	24.2	3.01	27.6	3.40	31.0	3.80
	12	14.0	1.99	17.4	2.32	20.8	2.67	22.5	2.86	24.2	3.05	27.6	3.45	31.0	3.86
	14	14.0	2.01	17.4	2.35	20.8	2.71	22.5	2.90	24.2	3.10	27.6	3.50	31.0	3.92
	16	14.0	2.03	17.4	2.38	20.8	2.75	22.5	2.94	24.2	3.14	27.6	3.56	31.0	3.99
	18	14.0	2.06	17.4	2.41	20.8	2.79	22.5	2.98	24.2	3.19	27.6	3.61	31.0	4.05
	20	14.0	2.08	17.4	2.43	20.8	2.82	22.5	3.02	24.2	3.23	27.6	3.66	31.0	4.11
	21	14.0	2.09	17.4	2.45	20.8	2.84	22.5	3.04	24.2	3.25	27.6	3.69	31.0	4.14
	23	14.0	2.11	17.4	2.47	20.8	2.88	22.5	3.08	24.2	3.30	27.6	3.74	31.0	4.21
	25	14.0	2.13	17.4	2.50	20.8	2.91	22.5	3.12	24.2	3.34	27.6	4.01	31.0	4.54
	27	14.0	2.16	17.4	2.53	20.8	3.10	22.5	3.34	24.2	3.59	27.6	4.25	31.0	4.87
	29	14.0	2.35	17.4	2.78	20.8	3.29	22.5	3.56	24.2	3.84	27.6	4.55	31.0	5.20
	30	14.0	2.45	17.4	2.90	20.8	3.39	22.5	3.67	24.2	3.96	27.6	4.68	31.0	5.37
	31	14.0	2.55	17.4	3.02	20.8	3.48	22.5	3.78	24.2	4.08	27.6	4.82	31.0	5.53
	33	14.0	2.75	17.4	3.27	20.8	3.68	22.5	4.00	24.2	4.33	27.6	5.08	31.0	5.86
	35	14.0	2.94	17.4	3.52	20.8	3.87	22.5	4.21	24.2	4.58	27.6	5.35	31.0	6.19
	37	14.0	3.22	17.4	3.71	20.8	4.02	22.5	4.39	24.2	4.77	27.6	5.57	31.0	6.45
	39	14.0	3.49	17.4	3.91	20.8	4.18	22.5	4.56	24.2	4.95	27.6	5.79	31.0	6.70
	41	14.0	3.76	17.4	4.10	20.8	4.34	22.5	4.73	24.2	5.14	27.6	6.01	31.0	6.95
	43	14.0	4.03	17.4	4.30	20.8	4.50	22.5	4.90	24.2	5.33	27.6	6.23	31.0	7.21
	44	14.0	3.87	17.4	4.12	20.8	4.32	22.5	4.71	24.2	5.12	27.6	5.98	31.0	6.92
	46	14.0	3.55	17.4	3.78	20.8	3.96	22.5	4.32	24.2	4.69	27.6	5.48	31.0	6.34
	47	14.0	3.39	17.4	3.61	20.8	3.78	22.5	4.12	24.2	4.48	27.6	5.23	31.0	6.05
	48	14.0	3.10	17.4	3.30	20.8	3.45	22.5	3.77	24.2	4.09	27.6	4.78	31.0	5.54
	50	14.0	2.91	17.4	3.09	20.8	3.24	22.5	3.53	24.2	3.84	27.6	4.48	29.0	5.19
	52	14.0	2.58	17.4	2.75	20.8	2.88	22.5	3.14	23.1	3.41	24.3	3.99	25.5	4.61

GMV-504WML/A-X

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp(°C DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
135%	-5	42.2	5.27	52.5	6.71	62.9	8.16	68.0	8.39	70.7	8.74	72.0	8.95	73.4	9.07
	0	42.2	5.32	52.5	6.77	62.9	8.23	67.9	8.48	68.6	8.83	70.0	9.06	71.3	9.20
	4	42.2	5.36	52.5	6.81	62.9	8.29	66.3	8.55	67.0	8.91	68.3	9.15	69.7	9.31
	7	42.2	5.39	52.5	6.84	62.9	8.33	65.1	8.60	65.7	8.97	67.1	9.21	68.4	9.39
	10	42.2	5.41	52.5	6.88	62.9	8.38	63.8	8.65	64.5	9.03	65.9	9.28	67.2	9.47
	12	42.2	5.51	52.5	6.99	62.3	8.52	63.0	8.82	63.7	9.22	65.0	9.50	66.4	9.80
	14	42.2	5.60	52.5	7.11	61.5	8.67	62.2	8.99	62.9	9.42	64.2	9.84	65.6	10.12
	16	42.2	5.69	52.5	7.22	60.7	8.81	61.4	9.17	62.0	9.78	63.4	10.18	64.7	10.45
	18	42.2	5.79	52.5	7.33	59.9	9.26	60.5	9.58	61.2	10.14	62.6	10.51	63.9	10.77
	20	42.2	5.88	52.5	7.99	59.0	9.70	59.7	10.00	60.4	10.49	61.7	10.85	63.1	11.10
	21	42.2	5.93	52.5	8.32	58.6	9.93	59.3	10.21	60.0	10.67	61.3	11.02	62.7	11.26
	23	42.2	6.57	52.5	8.98	57.8	10.37	58.5	10.62	59.2	11.03	60.5	11.36	61.9	11.58
	25	42.2	7.21	52.5	9.63	57.0	10.82	57.7	11.04	58.3	11.39	59.7	11.70	61.0	11.91
	27	42.2	7.86	52.5	10.29	56.2	11.26	56.8	11.45	57.5	11.75	58.9	12.04	60.2	12.23
	29	42.2	8.50	52.5	10.95	55.3	11.71	56.0	11.87	56.7	12.11	58.0	12.38	59.4	12.56
	30	42.2	8.83	52.5	11.28	54.9	11.93	55.6	12.08	56.3	12.29	57.6	12.55	59.0	12.72
	31	42.2	9.15	52.5	11.61	54.5	12.16	55.2	12.29	55.9	12.47	57.2	12.72	58.6	12.88
	33	42.2	9.79	52.3	12.27	53.7	12.60	54.4	12.70	55.0	12.83	56.4	13.06	57.7	13.21
	35	42.2	10.44	51.5	12.92	52.9	13.05	53.5	13.12	54.2	13.19	55.6	13.39	56.9	13.53
	37	42.2	11.38	50.7	13.47	52.1	13.58	52.7	13.65	53.4	13.73	54.8	13.94	56.1	14.09
	39	42.2	12.33	49.9	14.02	51.2	14.12	51.9	14.19	52.6	14.27	53.9	14.49	55.3	14.64
	41	42.2	13.27	49.1	14.56	50.4	14.65	51.1	14.73	51.8	14.81	53.1	15.04	54.5	15.20
	43	42.2	14.22	48.2	15.11	49.6	15.18	50.3	15.26	50.9	15.35	52.3	15.59	53.6	15.75
	44	42.2	13.65	46.3	14.51	47.7	14.58	48.3	14.65	49.0	14.73	50.4	14.96	51.7	15.12
	46	41.1	12.51	42.4	13.30	43.8	13.36	44.5	13.43	45.1	13.50	46.5	13.72	47.8	13.86
	47	39.2	11.95	40.5	12.69	41.9	12.75	42.5	12.82	43.2	12.89	44.6	13.09	45.9	13.23
	48	37.2	10.92	38.6	11.61	39.9	11.66	40.6	11.72	41.3	11.79	42.6	11.97	44.0	12.10
	50	33.4	10.24	34.7	10.88	36.1	10.93	36.7	10.99	37.4	11.05	38.8	11.22	40.1	11.34
	52	29.5	9.10	30.9	9.67	32.2	9.72	32.9	9.77	33.6	9.82	34.9	9.98	36.3	10.08
120%	-5	37.5	4.87	46.7	6.12	55.9	7.43	60.5	8.14	65.1	8.38	70.7	8.86	72.0	8.98
	0	37.5	4.91	46.7	6.18	55.9	7.49	60.5	8.22	65.1	8.47	68.6	8.96	70.0	9.10
	4	37.5	4.94	46.7	6.22	55.9	7.55	60.5	8.28	65.1	8.54	67.0	9.04	68.3	9.20
	7	37.5	4.97	46.7	6.25	55.9	7.59	60.5	8.33	64.4	8.60	65.7	9.09	67.1	9.27
	10	37.5	4.99	46.7	6.29	55.9	7.63	60.5	8.38	63.2	8.65	64.5	9.15	65.9	9.35
	12	37.5	5.08	46.7	6.40	55.9	7.76	60.5	8.53	62.3	8.83	63.7	9.35	65.0	9.59
	14	37.5	5.16	46.7	6.51	55.9	7.90	60.5	8.69	61.5	9.00	62.9	9.55	64.2	9.92
	15	37.5	5.24	46.7	6.62	55.9	8.03	60.0	8.85	60.7	9.13	62.0	9.90	63.4	10.25
	18	37.5	5.33	46.7	6.73	55.9	8.16	59.2	9.29	59.9	9.60	61.2	10.26	62.6	10.58
	20	37.5	5.41	46.7	6.84	55.9	8.72	58.4	9.73	59.0	10.01	60.4	10.61	61.7	10.92
	21	37.5	5.45	46.7	7.19	55.9	9.00	58.0	9.95	58.6	10.22	60.0	10.78	61.3	11.08
	23	37.5	6.04	46.7	7.88	55.9	9.56	57.1	10.39	57.8	10.63	59.2	11.14	60.5	11.41
	25	37.5	6.62	46.7	8.57	55.6	10.12	56.3	10.84	57.0	11.05	58.3	11.49	59.7	11.74
	27	37.5	7.20	46.7	9.27	54.8	10.68	55.5	11.28	56.2	11.46	57.5	11.84	58.9	12.07
	29	37.5	7.79	46.7	9.96	54.0	11.23	54.7	11.72	55.3	11.87	56.7	12.20	58.0	12.40
	30	37.5	8.08	46.7	10.30	53.6	11.51	54.3	11.94	54.9	12.08	56.3	12.37	57.6	12.57
	31	37.5	8.37	46.7	10.65	53.2	11.79	53.8	12.16	54.5	12.29	55.9	12.55	57.2	12.73
	33	37.5	8.95	46.7	11.34	52.3	12.35	53.0	12.61	53.7	12.70	55.0	12.90	56.4	13.06
	35	37.5	9.54	46.7	12.03	51.5	12.91	52.2	13.05	52.9	13.12	54.2	13.26	55.6	13.39
	37	37.5	10.53	46.7	12.65	50.7	13.44	51.4	13.58	52.1	13.65	53.4	13.80	54.8	13.94
	39	37.5	11.51	46.7	13.27	49.9	13.97	50.6	14.12	51.2	14.19	52.6	14.34	53.9	14.49
	41	37.5	12.50	46.7	13.89	49.1	14.49	49.7	14.65	50.4	14.73	51.8	14.88	53.1	15.04
	43	37.5	13.49	46.7	14.51	48.2	15.02	48.9	15.18	49.6	15.26	50.9	15.43	52.3	15.59
	44	37.5	12.95	45.0	13.93	46.3	14.42	47.0	14.58	47.7	14.65	49.0	14.81	50.4	14.96
	46	37.5	11.87	41.1	12.77	42.4	13.22	43.1	13.36	43.8	13.43	45.1	13.57	46.5	13.72
	47	37.5	11.33	39.2	12.19	40.5	12.62	41.2	12.75	41.9	12.82	43.2	12.96	44.6	13.09
	48	35.9	10.36	37.2	11.15	38.6	11.54	39.3	11.66	39.9	11.72	41.3	11.85	42.6	11.97
	50	32.0	9.71	33.4	10.45	34.7	10.82	35.4	10.93	36.1	10.99	37.4	11.11	38.8	11.22
	52	28.2	8.63	29.5	9.29	30.9	9.61	31.5	9.72	32.2	9.77	33.6	9.87	34.9	9.98

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp. (°C DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
110%	-5	34.4	4.46	42.8	5.58	51.2	6.76	55.4	7.35	59.6	8.00	68.1	8.64	71.1	8.90
	0	34.4	4.50	42.8	5.63	51.2	6.82	55.4	7.42	59.6	8.08	67.7	8.72	69.1	9.00
	4	34.4	4.53	42.8	5.67	51.2	6.87	55.4	7.48	59.6	8.15	66.1	8.80	67.4	9.09
	7	34.4	4.55	42.8	5.70	51.2	6.91	55.4	7.52	59.6	8.19	64.8	8.85	66.2	9.16
	10	34.4	4.58	42.8	5.73	51.2	6.95	55.4	7.56	59.6	8.24	63.6	8.90	65.0	9.22
	12	34.4	4.65	42.8	5.83	51.2	7.07	55.4	7.70	59.6	8.40	62.8	9.08	64.1	9.44
	14	34.4	4.73	42.8	5.93	51.2	7.19	55.4	7.84	59.6	8.56	62.0	9.26	63.3	9.66
	16	34.4	4.81	42.8	6.03	51.2	7.31	55.4	7.98	59.6	8.72	61.1	9.43	62.5	10.01
	18	34.4	4.89	42.8	6.13	51.2	7.44	55.4	8.12	59.0	9.17	60.3	9.82	61.7	10.36
	20	34.4	4.96	42.8	6.23	51.2	8.04	55.4	8.69	58.1	9.61	59.5	10.21	60.8	10.71
	21	34.4	5.00	42.8	6.28	51.2	8.35	55.4	8.97	57.7	9.84	59.1	10.40	60.4	10.88
	23	34.4	5.08	42.8	6.97	51.2	8.96	55.4	9.53	56.9	10.29	58.3	10.79	59.6	11.23
	25	34.4	5.67	42.8	7.67	51.2	9.56	55.4	10.09	56.1	10.74	57.4	11.18	58.8	11.58
	27	34.4	6.26	42.8	8.36	51.2	10.17	54.6	10.66	55.3	11.18	56.6	11.57	58.0	11.93
	29	34.4	6.85	42.8	9.05	51.2	10.78	53.8	11.22	54.4	11.63	55.8	11.95	57.1	12.28
	30	34.4	7.15	42.8	9.39	51.2	11.08	53.4	11.50	54.0	11.86	55.4	12.15	56.7	12.45
	31	34.4	7.45	42.8	9.74	51.2	11.39	52.9	11.78	53.6	12.08	55.0	12.34	56.3	12.63
	33	34.4	8.04	42.8	10.43	51.2	11.99	52.1	12.35	52.8	12.53	54.1	12.73	55.5	12.98
	35	34.4	8.63	42.8	11.12	50.6	12.60	51.3	12.91	52.0	12.98	53.3	13.12	54.7	13.33
	37	34.4	9.64	42.8	11.79	49.8	13.12	50.5	13.44	51.2	13.51	52.5	13.65	53.9	13.87
	39	34.4	10.65	42.8	12.46	49.0	13.63	49.7	13.97	50.3	14.04	51.7	14.19	53.0	14.42
	41	34.4	11.66	42.8	13.13	48.2	14.15	48.8	14.49	49.5	14.57	50.9	14.73	52.2	14.96
	43	34.4	12.67	42.8	13.80	47.3	14.66	48.0	15.02	48.7	15.10	50.0	15.26	51.4	15.51
	44	34.4	12.17	42.8	13.25	45.4	14.08	46.1	14.42	46.8	14.50	48.1	14.65	49.5	14.89
	46	34.4	11.15	40.2	12.15	41.5	12.90	42.2	13.22	42.9	13.29	44.2	13.43	45.6	13.65
	47	34.4	10.65	38.3	11.59	39.6	12.32	40.3	12.62	41.0	12.69	42.3	12.82	43.7	13.03
	48	34.4	9.73	36.3	10.60	37.7	11.26	38.4	11.54	39.0	11.60	40.4	11.72	41.7	11.91
	50	31.1	9.13	32.5	9.94	33.8	10.56	34.5	10.82	35.2	10.87	36.5	10.99	37.9	11.16
	52	27.3	8.11	28.6	8.83	30.0	9.38	30.6	9.61	31.3	9.67	32.7	9.77	34.0	9.92
100%	-5	31.3	4.08	38.9	5.06	46.6	6.12	50.4	6.69	54.2	7.21	61.9	8.35	69.5	8.68
	0	31.3	4.12	38.9	5.11	46.6	6.18	50.4	6.75	54.2	7.28	61.9	8.42	68.2	8.78
	4	31.3	4.14	38.9	5.14	46.6	6.22	50.4	6.80	54.2	7.34	61.9	8.49	66.5	8.86
	7	31.3	4.16	38.9	5.17	46.6	6.25	50.4	6.84	54.2	7.38	61.9	8.53	65.3	8.91
	10	31.3	4.18	38.9	5.20	46.6	6.29	50.4	6.88	54.2	7.42	61.9	8.58	64.1	8.97
	12	31.3	4.25	38.9	5.29	46.6	6.40	50.4	7.00	54.2	7.56	61.9	8.74	63.2	9.16
	14	31.3	4.31	38.9	5.38	46.6	6.51	50.4	7.13	54.2	7.71	61.1	8.89	62.4	9.35
	16	31.3	4.38	38.9	5.47	46.6	6.62	50.4	7.25	54.2	7.85	60.2	9.05	61.6	9.72
	18	31.3	4.45	38.9	5.56	46.6	6.73	50.4	7.38	54.2	7.99	59.4	9.47	60.8	10.08
	20	31.3	4.51	38.9	5.65	46.6	6.84	50.4	7.99	54.2	8.57	58.6	9.89	59.9	10.45
	21	31.3	4.54	38.9	5.70	46.6	7.14	50.4	8.30	54.2	8.86	58.2	10.10	59.5	10.63
	23	31.3	4.61	38.9	6.29	46.6	7.72	50.4	8.91	54.2	9.43	57.4	10.52	58.7	10.99
	25	31.3	5.12	38.9	6.88	46.6	8.31	50.4	9.53	54.2	10.01	56.5	10.94	57.9	11.36
	27	31.3	5.62	38.9	7.47	46.6	8.89	50.4	10.14	54.2	10.59	55.7	11.37	57.1	11.73
	29	31.3	6.13	38.9	8.06	46.6	9.48	50.4	10.76	53.5	11.17	54.9	11.79	56.2	12.09
	30	31.3	6.38	38.9	8.35	46.6	9.77	50.4	11.06	53.1	11.46	54.5	12.00	55.8	12.27
	31	31.3	6.64	38.9	8.65	46.6	10.07	50.4	11.37	52.7	11.75	54.1	12.21	55.4	12.46
	33	31.3	7.14	38.9	9.24	46.6	10.65	50.4	11.99	51.9	12.33	53.2	12.63	54.6	12.82
	35	31.3	7.65	38.9	9.83	46.6	11.24	50.4	12.60	51.1	12.91	52.4	13.05	53.8	13.19
	37	31.3	8.55	38.9	10.43	46.6	11.70	49.6	13.12	50.3	13.44	51.6	13.58	53.0	13.73
	39	31.3	9.45	38.9	11.04	46.6	12.16	48.8	13.63	49.4	13.97	50.8	14.12	52.1	14.27
	41	31.3	10.35	38.9	11.65	46.6	12.62	47.9	14.15	48.6	14.49	50.0	14.65	51.3	14.81
	43	31.3	11.25	38.9	12.26	46.4	13.08	47.1	14.66	47.8	15.02	49.1	15.18	50.5	15.35
	44	31.3	10.90	38.9	11.77	44.5	12.55	45.2	14.08	45.9	14.42	47.2	14.58	48.6	14.73
	46	31.3	9.90	38.9	10.78	40.6	11.51	41.3	12.90	42.0	13.22	43.3	13.36	44.7	13.50
	47	31.3	9.45	37.4	10.29	38.7	10.99	39.4	12.32	40.1	12.62	41.4	12.75	42.8	12.89
	48	31.3	8.64	35.4	9.41	36.8	10.04	37.5	11.26	38.1	11.54	39.5	11.66	40.8	11.79
	50	30.2	8.10	31.6	8.82	32.9	9.42	33.6	10.56	34.3	10.62	35.6	10.93	37.0	11.05
	52	26.4	7.20	27.7	7.84	29.1	8.37	29.7	9.38	30.4	9.61	31.8	9.72	33.1	9.82

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp. (°C DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-5	28.1	3.72	35.0	4.56	41.9	5.48	45.4	5.95	48.8	6.44	55.7	7.42	62.6	8.47
	0	28.1	3.74	35.0	4.60	41.9	5.53	45.4	6.01	48.8	6.50	55.7	7.49	62.6	8.55
	4	28.1	3.77	35.0	4.63	41.9	5.57	45.4	6.05	48.8	6.55	55.7	7.55	62.6	8.62
	7	28.1	3.78	35.0	4.66	41.9	5.60	45.4	6.08	48.8	6.58	55.7	7.59	62.6	8.67
	10	28.1	3.80	35.0	4.68	41.9	5.63	45.4	6.12	48.8	6.62	55.7	7.63	62.6	8.72
	12	28.1	3.86	35.0	4.76	41.9	5.73	45.4	6.23	48.8	6.74	55.7	7.76	62.3	8.88
	14	28.1	3.91	35.0	4.83	41.9	5.83	45.4	6.33	48.8	6.87	55.7	7.90	61.5	9.04
	16	28.1	3.97	35.0	4.91	41.9	5.93	45.4	6.44	48.8	6.99	55.7	8.04	60.7	9.21
	18	28.1	4.03	35.0	4.99	41.9	6.03	45.4	6.55	48.8	7.11	55.7	8.17	59.9	9.61
	20	28.1	4.08	35.0	5.06	41.9	6.13	45.4	6.66	48.8	7.23	55.7	8.73	59.0	10.02
	21	28.1	4.11	35.0	5.10	41.9	6.18	45.4	6.94	48.8	7.55	55.7	9.01	58.6	10.22
	23	28.1	4.17	35.0	5.18	41.9	6.67	45.4	7.49	48.8	8.20	55.7	9.57	57.8	10.62
	25	28.1	4.23	35.0	5.74	41.9	7.17	45.4	8.05	48.8	8.84	55.6	10.12	57.0	11.03
	27	28.1	4.72	35.0	6.30	41.9	7.67	45.4	8.61	48.8	9.48	54.8	10.68	56.2	11.43
	29	28.1	5.22	35.0	6.86	41.9	8.17	45.4	9.16	48.8	10.13	54.0	11.24	55.3	11.84
	30	28.1	5.47	35.0	7.14	41.9	8.42	45.4	9.44	48.8	10.45	53.6	11.52	54.9	12.04
	31	28.1	5.72	35.0	7.42	41.9	8.67	45.4	9.72	48.8	10.77	53.2	11.79	54.5	12.24
	33	28.1	6.22	35.0	7.97	41.9	9.17	45.4	10.27	48.8	11.41	52.3	12.35	53.7	12.64
	35	28.1	6.71	35.0	8.53	41.9	9.67	45.4	10.83	48.3	12.06	51.5	12.91	52.9	13.05
	37	28.1	7.47	35.0	9.05	41.9	10.07	45.4	11.27	48.8	12.55	50.7	13.44	52.1	13.58
	39	28.1	8.24	35.0	9.56	41.9	10.46	45.4	11.72	48.5	13.04	49.9	13.97	51.2	14.12
	41	28.1	9.00	35.0	10.08	41.9	10.86	45.4	12.16	47.7	13.54	49.1	14.49	50.4	14.65
	43	28.1	9.76	35.0	10.59	41.9	11.25	45.4	12.60	46.9	14.03	48.2	15.02	49.6	15.18
	44	28.1	9.37	35.0	10.17	41.9	10.80	44.3	12.10	45.0	13.47	46.3	14.42	47.7	14.58
	46	28.1	8.59	35.0	9.32	39.7	9.90	40.4	11.09	41.1	12.35	42.4	13.22	43.8	13.36
	47	28.1	8.20	35.0	8.90	37.8	9.45	38.5	10.59	39.2	11.78	40.5	12.62	41.9	12.75
	48	28.1	7.49	34.5	8.13	35.9	8.64	36.6	9.68	37.2	10.77	38.6	11.54	39.9	11.66
	50	28.1	7.03	30.7	7.63	32.0	8.10	32.7	9.07	33.4	10.10	34.7	10.82	36.1	10.93
	52	25.5	6.25	26.8	6.78	28.2	7.20	28.8	8.07	29.5	8.98	30.9	9.61	32.2	9.72
80%	-5	25.0	3.35	31.1	4.08	37.3	4.87	40.3	5.27	43.4	5.69	49.5	6.56	55.6	7.42
	0	25.0	3.38	31.1	4.12	37.3	4.91	40.3	5.32	43.4	5.74	49.5	6.62	55.6	7.49
	4	25.0	3.40	31.1	4.14	37.3	4.94	40.3	5.36	43.4	5.78	49.5	6.67	55.6	7.55
	7	25.0	3.41	31.1	4.16	37.3	4.97	40.3	5.39	43.4	5.81	49.5	6.70	55.5	7.59
	10	25.0	3.43	31.1	4.18	37.3	4.99	40.3	5.41	43.4	5.84	49.5	6.74	55.6	7.63
	12	25.0	3.48	31.1	4.25	37.3	5.08	40.3	5.51	43.4	5.95	49.5	6.85	55.6	7.76
	14	25.0	3.53	31.1	4.31	37.3	5.16	40.3	5.60	43.4	6.05	49.5	6.97	55.6	7.90
	16	25.0	3.58	31.1	4.38	37.3	5.24	40.3	5.69	43.4	6.16	49.5	7.08	55.6	8.04
	18	25.0	3.63	31.1	4.45	37.3	5.33	40.3	5.79	43.4	6.26	49.5	7.20	55.6	8.17
	20	25.0	3.68	31.1	4.51	37.3	5.41	40.3	5.88	43.4	6.37	49.5	7.80	55.6	8.73
	21	25.0	3.70	31.1	4.54	37.3	5.45	40.3	5.93	43.4	6.42	49.5	8.10	55.6	9.01
	23	25.0	3.75	31.1	4.61	37.3	5.86	40.3	6.39	43.4	6.96	49.5	8.71	55.6	9.57
	25	25.0	3.80	31.1	5.07	37.3	6.27	40.3	6.86	43.4	7.50	49.5	9.31	55.6	10.12
	27	25.0	4.21	31.1	5.52	37.3	6.68	40.3	7.33	43.4	8.05	49.5	9.91	55.3	10.68
	29	25.0	4.62	31.1	5.98	37.3	7.09	40.3	7.79	43.4	8.59	49.5	10.52	54.4	11.24
	30	25.0	4.82	31.1	6.21	37.3	7.29	40.3	8.03	43.4	8.86	49.5	10.82	54.0	11.52
	31	25.0	5.03	31.1	6.44	37.3	7.49	40.3	8.26	43.4	9.13	49.5	11.12	53.6	11.79
	33	25.0	5.44	31.1	6.90	37.3	7.90	40.3	8.73	43.4	9.67	49.5	11.72	52.8	12.35
	35	25.0	5.85	31.1	7.35	37.3	8.31	40.3	9.19	43.4	10.22	49.5	12.33	52.0	12.91
	37	25.0	6.49	31.1	7.79	37.3	8.65	40.3	9.57	43.4	10.63	49.5	12.83	51.2	13.44
	39	25.0	7.13	31.1	8.23	37.3	8.99	40.3	9.95	43.4	11.05	49.0	13.34	50.3	13.97
	41	25.0	7.78	31.1	8.67	37.3	9.33	40.3	10.32	43.4	11.47	48.2	13.84	49.5	14.49
	43	25.0	8.42	31.1	9.11	37.3	9.67	40.3	10.70	43.4	11.89	47.3	14.35	48.7	15.02
	44	25.0	8.08	31.1	8.75	37.3	9.28	40.3	10.27	43.4	11.41	45.4	13.77	46.8	14.42
	46	25.0	7.41	31.1	8.02	37.3	8.51	39.5	9.42	40.2	10.46	41.5	12.62	42.9	13.22
	47	25.0	7.07	31.1	7.66	36.9	8.12	37.6	8.99	38.3	9.99	39.6	12.05	41.0	12.62
	48	25.0	6.47	31.1	7.00	35.0	7.43	35.7	8.22	36.3	9.13	37.7	11.02	39.0	11.54
	50	25.0	6.06	29.8	6.56	31.1	6.96	31.8	7.70	32.5	8.58	33.8	10.33	35.2	10.82
	52	24.6	5.39	25.9	5.83	27.3	6.19	27.9	6.85	28.6	7.61	30.0	9.18	31.3	9.61

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp. (°C DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5	21.9	3.02	27.2	3.62	32.6	4.27	35.3	4.62	38.0	4.97	43.3	5.69	48.7	6.46
	0	21.9	3.04	27.2	3.65	32.6	4.31	35.3	4.66	38.0	5.01	43.3	5.74	48.7	6.51
	4	21.9	3.05	27.2	3.67	32.6	4.34	35.3	4.69	38.0	5.04	43.3	5.78	48.7	6.55
	7	21.9	3.07	27.2	3.69	32.6	4.36	35.3	4.71	38.0	5.07	43.3	5.81	48.7	6.59
	10	21.9	3.08	27.2	3.71	32.6	4.38	35.3	4.73	38.0	5.09	43.3	5.84	48.7	6.62
	12	21.9	3.12	27.2	3.76	32.6	4.45	35.3	4.81	38.0	5.18	43.3	5.95	48.7	6.73
	14	21.9	3.16	27.2	3.81	32.6	4.52	35.3	4.89	38.0	5.27	43.3	6.05	48.7	6.84
	16	21.9	3.20	27.2	3.87	32.6	4.59	35.3	4.97	38.0	5.35	43.3	6.16	48.7	6.95
	18	21.9	3.24	27.2	3.92	32.6	4.66	35.3	5.04	38.0	5.44	43.3	6.26	48.7	7.06
	20	21.9	3.28	27.2	3.98	32.6	4.73	35.3	5.12	38.0	5.53	43.3	6.37	48.7	7.16
	21	21.9	3.30	27.2	4.00	32.6	4.77	35.3	5.16	38.0	5.57	43.3	6.62	48.7	7.49
	23	21.9	3.34	27.2	4.06	32.6	4.84	35.3	5.24	38.0	5.99	43.3	7.14	48.7	8.14
	25	21.9	3.38	27.2	4.11	32.6	5.20	35.3	5.66	38.0	6.41	43.3	7.65	48.7	8.80
	27	21.9	3.72	27.2	4.54	32.6	5.56	35.3	6.08	38.0	6.83	43.3	8.16	48.7	9.45
	29	21.9	4.05	27.2	4.97	32.6	5.93	35.3	6.50	38.0	7.25	43.3	8.68	48.7	10.10
	30	21.9	4.21	27.2	5.18	32.6	6.11	35.3	6.71	38.0	7.46	43.3	8.93	48.7	10.43
	31	21.9	4.38	27.2	5.40	32.6	6.29	35.3	6.92	38.0	7.67	43.3	9.19	48.7	10.75
	33	21.9	4.71	27.2	5.83	32.6	6.65	35.3	7.34	38.0	8.09	43.3	9.70	48.7	11.40
	35	21.9	5.04	27.2	6.25	32.6	7.02	35.3	7.76	38.0	8.51	43.3	10.22	48.7	12.06
	37	21.9	5.57	27.2	6.62	32.6	7.30	35.3	8.08	38.0	8.86	43.3	10.63	48.7	12.55
	39	21.9	6.10	27.2	6.99	32.6	7.59	35.3	8.40	38.0	9.21	43.3	11.05	48.7	13.04
	41	21.9	6.63	27.2	7.35	32.6	7.88	35.3	8.72	38.0	9.56	43.3	11.47	48.6	13.54
	43	21.9	7.16	27.2	7.72	32.6	8.16	35.3	9.04	38.0	9.91	43.3	11.89	47.8	14.03
	44	21.9	6.88	27.2	7.41	32.6	7.84	35.3	8.67	38.0	9.51	43.3	11.41	45.9	13.47
	46	21.9	6.30	27.2	6.79	32.6	7.18	35.3	7.95	38.0	8.72	40.6	10.46	42.0	12.35
	47	21.9	6.02	27.2	6.49	32.6	6.86	35.3	7.59	37.4	8.32	38.7	9.99	40.1	11.78
	48	21.9	5.50	27.2	5.93	32.6	6.27	34.8	6.94	35.4	7.61	36.8	9.13	38.1	10.77
	50	21.9	5.16	27.2	5.56	30.2	5.88	30.9	6.51	31.6	7.13	32.9	8.56	34.3	10.10
	52	21.9	4.58	25.0	4.94	26.4	5.22	27.0	5.78	27.7	6.34	29.1	7.61	30.4	8.98
60%	-5	18.8	2.70	23.4	3.18	27.9	3.72	30.2	3.99	32.5	4.27	37.1	4.87	41.7	5.48
	0	18.8	2.71	23.4	3.20	27.9	3.74	30.2	4.02	32.5	4.31	37.1	4.91	41.7	5.53
	4	18.8	2.73	23.4	3.22	27.9	3.77	30.2	4.05	32.5	4.34	37.1	4.94	41.7	5.57
	7	18.8	2.74	23.4	3.24	27.9	3.78	30.2	4.07	32.5	4.36	37.1	4.97	41.7	5.60
	10	18.8	2.74	23.4	3.25	27.9	3.80	30.2	4.09	32.5	4.38	37.1	4.99	41.7	5.63
	12	18.8	2.78	23.4	3.29	27.9	3.86	30.2	4.15	32.5	4.45	37.1	5.08	41.7	5.73
	14	18.8	2.81	23.4	3.34	27.9	3.91	30.2	4.21	32.5	4.52	37.1	5.16	41.7	5.83
	16	18.8	2.84	23.4	3.38	27.9	3.97	30.2	4.28	32.5	4.59	37.1	5.24	41.7	5.93
	18	18.8	2.87	23.4	3.43	27.9	4.03	30.2	4.34	32.5	4.66	37.1	5.33	41.7	6.03
	20	18.8	2.90	23.4	3.48	27.9	4.08	30.2	4.40	32.5	4.73	37.1	5.41	41.7	6.13
	21	18.8	2.92	23.4	3.50	27.9	4.11	30.2	4.44	32.5	4.77	37.1	5.45	41.7	6.18
	23	18.8	2.95	23.4	3.54	27.9	4.17	30.2	4.50	32.5	4.84	37.1	5.86	41.7	6.67
	25	18.8	2.98	23.4	3.59	27.9	4.23	30.2	4.82	32.5	5.20	37.1	6.27	41.7	7.17
	27	18.8	3.01	23.4	3.92	27.9	4.55	30.2	5.13	32.5	5.56	37.1	6.68	41.7	7.67
	29	18.8	3.34	23.4	4.25	27.9	4.86	30.2	5.45	32.5	5.93	37.1	7.09	41.7	8.17
	30	18.8	3.50	23.4	4.41	27.9	5.02	30.2	5.61	32.5	6.11	37.1	7.29	41.7	8.42
	31	18.8	3.66	23.4	4.58	27.9	5.18	30.2	5.76	32.5	6.29	37.1	7.49	41.7	8.67
	33	18.8	3.98	23.4	4.91	27.9	5.50	30.2	6.08	32.5	6.65	37.1	7.90	41.7	9.17
	35	18.8	4.30	23.4	5.24	27.9	5.82	30.2	6.40	32.5	7.02	37.1	8.31	41.7	9.67
	37	18.8	4.72	23.4	5.54	27.9	6.06	30.2	6.66	32.5	7.30	37.1	8.65	41.7	10.07
	39	18.8	5.15	23.4	5.84	27.9	6.30	30.2	6.92	32.5	7.59	37.1	8.99	41.7	10.46
	41	18.8	5.58	23.4	6.14	27.9	6.54	30.2	7.18	32.5	7.88	37.1	9.33	41.7	10.86
	43	18.8	6.01	23.4	6.44	27.9	6.78	30.2	7.44	32.5	8.16	37.1	9.67	41.7	11.25
	44	18.8	5.77	23.4	6.18	27.9	6.51	30.2	7.14	32.5	7.84	37.1	9.28	41.7	10.80
	46	18.8	5.29	23.4	5.66	27.9	5.96	30.2	6.55	32.5	7.18	37.1	8.51	41.1	9.90
	47	18.8	5.05	23.4	5.41	27.9	5.69	30.2	6.25	32.5	6.86	37.1	8.12	39.2	9.45
	48	18.8	4.61	23.4	4.94	27.9	5.20	30.2	5.72	32.5	6.27	35.9	7.43	37.2	8.64
	50	18.8	4.32	23.4	4.63	27.9	4.88	30.0	5.36	30.7	5.88	32.0	6.96	33.4	8.10
	52	18.8	3.84	23.4	4.12	25.5	4.34	26.1	4.76	26.8	5.22	28.2	6.19	29.5	7.20

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp. (°C DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-5	15.6	2.38	19.5	2.78	23.3	3.18	25.2	3.40	27.1	3.62	30.9	4.08	34.8	4.56
	0	15.6	2.40	19.5	2.79	23.3	3.20	25.2	3.42	27.1	3.65	30.9	4.12	34.8	4.60
	4	15.6	2.41	19.5	2.81	23.3	3.22	25.2	3.44	27.1	3.67	30.9	4.14	34.8	4.63
	7	15.6	2.42	19.5	2.82	23.3	3.24	25.2	3.46	27.1	3.69	30.9	4.16	34.8	4.66
	10	15.6	2.42	19.5	2.83	23.3	3.25	25.2	3.47	27.1	3.71	30.9	4.18	34.8	4.68
	12	15.6	2.45	19.5	2.86	23.3	3.29	25.2	3.52	27.1	3.76	30.9	4.25	34.8	4.76
	14	15.6	2.48	19.5	2.89	23.3	3.34	25.2	3.57	27.1	3.81	30.9	4.31	34.8	4.83
	16	15.6	2.51	19.5	2.93	23.3	3.38	25.2	3.62	27.1	3.87	30.9	4.38	34.8	4.91
	18	15.6	2.53	19.5	2.96	23.3	3.43	25.2	3.67	27.1	3.92	30.9	4.45	34.8	4.99
	20	15.6	2.56	19.5	3.00	23.3	3.48	25.2	3.72	27.1	3.98	30.9	4.51	34.8	5.06
	21	15.6	2.57	19.5	3.01	23.3	3.50	25.2	3.75	27.1	4.00	30.9	4.54	34.8	5.10
	23	15.6	2.60	19.5	3.05	23.3	3.54	25.2	3.80	27.1	4.06	30.9	4.61	34.8	5.18
	25	15.6	2.63	19.5	3.08	23.3	3.59	25.2	3.85	27.1	4.11	30.9	4.64	34.8	5.59
	27	15.6	2.66	19.5	3.12	23.3	3.82	25.2	4.12	27.1	4.42	30.9	5.27	34.8	6.00
	29	15.6	2.90	19.5	3.42	23.3	4.06	25.2	4.38	27.1	4.72	30.9	5.60	34.8	6.40
	30	15.6	3.02	19.5	3.57	23.3	4.18	25.2	4.52	27.1	4.88	30.9	5.77	34.8	6.61
	31	15.6	3.14	19.5	3.72	23.3	4.29	25.2	4.65	27.1	5.03	30.9	5.93	34.8	6.81
	33	15.6	3.38	19.5	4.03	23.3	4.53	25.2	4.92	27.1	5.33	30.9	6.26	34.8	7.22
	35	15.6	3.63	19.5	4.33	23.3	4.76	25.2	5.19	27.1	5.64	30.9	6.59	34.8	7.63
	37	15.6	3.96	19.5	4.57	23.3	4.96	25.2	5.40	27.1	5.87	30.9	6.86	34.8	7.94
	39	15.6	4.30	19.5	4.81	23.3	5.15	25.2	5.61	27.1	6.10	30.9	7.13	34.8	8.25
	41	15.6	4.63	19.5	5.05	23.3	5.35	25.2	5.83	27.1	6.33	30.9	7.40	34.8	8.56
	43	15.6	4.97	19.5	5.29	23.3	5.54	25.2	6.04	27.1	6.56	30.9	7.67	34.8	8.88
	44	15.6	4.77	19.5	5.08	23.3	5.32	25.2	5.80	27.1	6.30	30.9	7.37	34.8	8.52
	46	15.6	4.37	19.5	4.66	23.3	4.88	25.2	5.31	27.1	5.78	30.9	6.75	34.8	7.81
	47	15.6	4.17	19.5	4.44	23.3	4.65	25.2	5.07	27.1	5.51	30.9	6.44	34.8	7.46
	48	15.6	3.82	19.5	4.06	23.3	4.25	25.2	4.64	27.1	5.04	30.9	5.89	34.8	6.82
	50	15.6	3.58	19.5	3.81	23.3	3.99	25.2	4.35	27.1	4.73	30.9	5.52	32.5	6.39
	52	15.6	3.18	19.5	3.39	23.3	3.55	25.2	3.87	25.9	4.20	27.3	4.91	28.6	5.68

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		TC—Total capacity of outdoor unit; PI—Power input of outdoor unit													
Connection ratio	Outdoor air temp.(°C DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
135%	-5	46.9	6.34	58.4	8.06	69.9	9.80	75.6	10.08	78.5	10.50	80.0	10.76	81.5	10.89
	0	46.9	6.39	58.4	8.13	69.9	9.89	75.5	10.19	76.2	10.61	77.7	10.89	79.2	11.06
	4	46.9	6.44	58.4	8.18	69.9	9.96	73.7	10.27	74.4	10.71	75.9	10.99	77.4	11.19
	7	46.9	6.47	58.4	8.22	69.9	10.01	72.3	10.33	73.0	10.78	74.5	11.07	76.0	11.29
	10	46.9	6.51	58.4	8.27	69.9	10.07	70.9	10.39	71.7	10.85	73.2	11.15	74.7	11.38
	12	46.9	6.62	58.4	8.40	69.3	10.24	70.0	10.60	70.8	11.08	72.3	11.41	73.8	11.77
	14	46.9	6.73	58.4	8.54	68.3	10.42	69.1	10.81	69.8	11.32	71.3	11.82	72.8	12.16
	16	46.9	6.84	58.4	8.67	67.4	10.59	68.2	11.02	68.9	11.75	70.4	12.23	71.9	12.55
	18	46.9	6.95	58.4	8.81	66.5	11.13	67.3	11.51	68.0	12.18	69.5	12.63	71.0	12.94
	20	46.9	7.07	58.4	9.60	65.6	11.66	66.4	12.01	67.1	12.61	68.6	13.04	70.1	13.33
	21	46.9	7.12	58.4	10.00	65.1	11.93	65.9	12.26	66.6	12.83	68.1	13.24	69.6	13.53
	23	46.9	7.90	58.4	10.79	64.2	12.46	65.0	12.76	65.7	13.26	67.2	13.65	68.7	13.92
	25	46.9	8.37	58.4	11.58	63.3	13.00	64.1	13.26	64.8	13.69	66.3	14.06	67.8	14.31
	27	46.9	9.44	58.4	12.37	62.4	13.54	63.2	13.76	63.9	14.12	65.4	14.47	66.9	14.70
	29	46.9	10.22	58.4	13.16	61.5	14.07	62.2	14.26	63.0	14.55	64.5	14.87	66.0	15.09
	30	46.9	10.60	58.4	13.55	61.0	14.34	61.8	14.51	62.5	14.77	64.0	15.08	65.5	15.29
	31	46.9	10.99	58.4	13.95	60.6	14.61	61.3	14.76	62.1	14.98	63.6	15.28	65.1	15.48
	33	46.9	11.77	58.2	14.74	59.7	15.14	60.4	15.26	61.2	15.41	62.7	15.69	64.2	15.87
	35	46.9	12.54	57.3	15.53	58.8	15.68	59.5	15.76	60.2	15.84	61.7	16.09	63.2	16.26
	37	46.9	13.68	56.3	16.19	57.8	16.32	58.6	16.41	59.3	16.49	60.8	16.75	62.3	16.93
	39	46.9	14.81	55.4	16.84	56.9	16.96	57.7	17.05	58.4	17.14	59.9	17.41	61.4	17.59
	41	46.9	15.95	54.5	17.50	56.0	17.60	56.8	17.70	57.5	17.79	59.0	18.07	60.5	18.26
	43	46.9	17.09	53.6	18.16	55.1	18.24	55.8	18.34	56.6	18.44	58.1	18.73	59.6	18.92
	44	46.9	16.40	51.5	17.43	52.9	17.51	53.7	17.61	54.4	17.70	55.9	17.98	57.4	18.17
	46	45.7	15.04	47.2	15.98	48.7	16.06	49.4	16.14	50.2	16.23	51.7	16.48	53.2	16.65
	47	43.5	14.35	45.0	15.25	46.5	15.33	47.3	15.41	48.0	15.49	49.5	15.73	51.0	15.90
	48	41.4	13.12	42.9	13.94	44.4	14.01	45.1	14.09	45.9	14.16	47.4	14.38	48.9	14.53
	50	37.1	12.30	38.6	13.07	40.1	13.14	40.8	13.21	41.6	13.28	43.1	13.49	44.6	13.63
	52	32.8	10.94	34.3	11.62	35.8	11.68	36.5	11.74	37.3	11.80	38.8	11.99	40.3	12.11
120%	-5	41.7	5.85	51.9	7.35	62.1	8.92	67.2	9.78	72.3	10.07	78.5	10.64	80.0	10.79
	0	41.7	5.90	51.9	7.42	62.1	9.00	67.2	9.88	72.3	10.18	76.2	10.76	77.7	10.94
	4	41.7	5.94	51.9	7.47	62.1	9.07	67.2	9.95	72.3	10.27	74.4	10.86	75.9	11.06
	7	41.7	5.97	51.9	7.51	62.1	9.12	67.2	10.01	71.5	10.33	73.0	10.93	74.5	11.14
	10	41.7	6.00	51.9	7.55	62.1	9.17	67.2	10.07	70.2	10.39	71.7	11.00	73.2	11.23
	12	41.7	6.10	51.9	7.69	62.1	9.33	67.2	10.25	69.3	10.61	70.8	11.24	72.3	11.53
	14	41.7	6.20	51.9	7.82	62.1	9.49	67.2	10.44	68.3	10.82	69.8	11.47	71.3	11.92
	15	41.7	6.30	51.9	7.95	62.1	9.65	66.7	10.63	67.4	11.03	68.9	11.90	70.4	12.32
	18	41.7	6.40	51.9	8.09	62.1	9.81	65.8	11.16	66.5	11.53	68.0	12.32	69.5	12.72
	20	41.7	6.50	51.9	8.22	62.1	10.48	64.9	11.69	65.6	12.03	67.1	12.75	68.6	13.12
	21	41.7	6.55	51.9	8.64	62.1	10.82	64.4	11.96	65.1	12.28	66.6	12.96	68.1	13.31
	23	41.7	7.25	51.9	9.47	62.1	11.49	63.5	12.49	64.2	12.77	65.7	13.38	67.2	13.71
	25	41.7	7.96	51.9	10.30	61.8	12.16	62.6	13.02	63.3	13.27	64.8	13.81	66.3	14.11
	27	41.7	8.66	51.9	11.13	60.9	12.83	61.7	13.55	62.4	13.77	63.9	14.23	65.4	14.51
	29	41.7	9.36	51.9	11.97	60.0	13.50	60.7	14.08	61.5	14.27	63.0	14.66	64.5	14.90
	30	41.7	9.71	51.9	12.38	59.5	13.83	60.3	14.35	61.0	14.52	62.5	14.87	64.0	15.10
	31	41.7	10.06	51.9	12.80	59.1	14.17	59.8	14.62	60.6	14.77	62.1	15.08	63.6	15.30
	33	41.7	10.76	51.9	13.63	58.2	14.84	58.9	15.15	59.7	15.26	61.2	15.50	62.7	15.70
	35	41.7	11.46	51.9	14.46	57.3	15.51	58.0	15.68	58.7	15.76	60.2	15.93	61.7	16.09
	37	41.7	12.65	51.9	15.21	56.3	16.15	57.1	16.32	57.8	16.41	59.3	16.58	60.8	16.75
	39	41.7	13.83	51.9	15.95	55.4	16.78	56.2	16.96	56.9	17.05	58.4	17.23	59.9	17.41
	41	41.7	15.02	51.9	16.69	54.5	17.42	55.3	17.60	56.0	17.70	57.5	17.88	59.0	18.07
	43	41.7	16.21	51.9	17.44	53.6	18.05	54.3	18.24	55.1	18.34	56.6	18.54	58.1	18.73
	44	41.7	15.56	50.0	16.74	51.4	17.33	52.2	17.51	52.9	17.61	54.4	17.79	55.9	17.98
	46	41.7	14.26	45.7	15.35	47.2	15.88	47.9	16.06	48.7	16.14	50.2	16.31	51.7	16.48
	47	41.7	13.61	43.5	14.65	45.0	15.16	45.8	15.33	46.5	15.41	48.0	15.57	49.5	15.73
	48	39.9	12.45	41.4	13.39	42.9	13.86	43.6	14.01	44.4	14.09	45.9	14.24	47.4	14.38
	50	35.6	11.67	37.1	12.56	38.6	13.00	39.3	13.14	40.1	13.21	41.6	13.35	43.1	13.49
	52	31.3	10.37	32.8	11.16	34.3	11.55	35.0	11.68	35.8	11.74	37.3	11.86	38.8	11.99

110% Total capacity of outdoor unit; PI—Power input of outdoor unit																
Connection ratio	Outdoor air temp. (°C DB)	Indoor air temp.														
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB		
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB		
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-5	38.2	5.36	47.6	6.71	56.9	8.13	61.6	8.83	66.3	9.62	75.6	10.38	79.0	10.69	
	0	38.2	5.41	47.6	6.77	56.9	8.20	61.6	8.91	66.3	9.71	75.2	10.48	76.7	10.82	
	4	38.2	5.44	47.6	6.82	56.9	8.26	61.6	8.98	66.3	9.79	73.4	10.57	74.9	10.92	
	7	38.2	5.47	47.6	6.85	56.9	8.30	61.6	9.03	66.3	9.85	72.0	10.63	73.5	11.00	
	10	38.2	5.50	47.6	6.89	56.9	8.35	61.6	9.08	66.3	9.90	70.7	10.70	72.2	11.08	
	12	38.2	5.59	47.6	7.01	56.9	8.49	61.6	9.25	66.3	10.09	69.8	10.91	71.3	11.34	
	14	38.2	5.69	47.6	7.13	56.9	8.64	61.6	9.42	66.3	10.28	68.8	11.12	70.3	11.60	
	16	38.2	5.78	47.6	7.25	56.9	8.79	61.6	9.59	66.3	10.48	67.9	11.33	69.4	12.02	
	18	38.2	5.87	47.6	7.37	56.9	8.94	61.6	9.76	65.5	11.01	67.0	11.80	68.5	12.44	
	20	38.2	5.96	47.6	7.49	56.9	9.67	61.6	10.44	64.6	11.55	66.1	12.27	67.6	12.86	
	21	38.2	6.01	47.6	7.55	56.9	10.03	61.6	10.78	64.1	11.82	65.6	12.50	67.1	13.07	
	23	38.2	6.10	47.6	8.38	56.9	10.76	61.6	11.45	63.2	12.36	64.7	12.97	66.2	13.49	
	25	38.2	6.81	47.6	9.21	56.9	11.49	61.6	12.13	62.3	12.90	63.8	13.43	65.3	13.91	
	27	38.2	7.53	47.6	10.04	56.9	12.22	60.7	12.80	61.4	13.44	62.9	13.90	64.4	14.33	
	29	38.2	8.24	47.6	10.87	56.9	12.95	59.7	13.48	60.5	13.98	62.0	14.36	63.5	14.75	
	30	38.2	8.59	47.6	11.29	56.9	13.32	59.3	13.82	60.0	14.25	61.5	14.60	63.0	14.96	
	31	38.2	8.95	47.6	11.70	56.9	13.68	58.8	14.16	59.6	14.52	61.1	14.83	62.6	15.17	
	33	38.2	9.66	47.6	12.53	56.9	14.41	57.9	14.83	58.7	15.06	60.2	15.30	61.7	15.59	
	35	38.2	10.37	47.6	13.36	56.3	15.14	57.0	15.51	57.7	15.59	59.2	15.76	60.7	16.01	
	37	38.2	11.59	47.6	14.17	55.3	15.76	56.1	16.15	56.8	16.23	58.3	16.41	59.8	16.67	
	39	38.2	12.80	47.6	14.97	54.4	16.38	55.2	16.78	55.9	16.87	57.4	17.05	58.9	17.32	
	41	38.2	14.01	47.6	15.78	53.5	17.00	54.3	17.42	55.0	17.51	56.5	17.70	58.0	17.98	
	43	38.2	15.23	47.6	16.58	52.6	17.62	53.3	18.05	54.1	18.15	55.6	18.34	57.1	18.63	
	44	38.2	14.62	47.6	15.92	50.4	16.91	51.2	17.33	51.9	17.42	53.4	17.61	54.9	17.89	
	46	38.2	13.40	44.7	14.59	46.2	15.50	46.9	15.88	47.7	15.97	49.2	16.14	50.7	16.40	
	47	38.2	12.79	42.5	13.93	44.0	14.80	44.8	15.16	45.5	15.24	47.0	15.41	48.5	15.65	
	48	38.2	11.70	40.4	12.74	41.9	13.53	42.6	13.86	43.4	13.94	44.9	14.09	46.4	14.31	
	50	34.6	10.97	36.1	11.94	37.6	12.69	38.3	13.00	39.1	13.07	40.6	13.21	42.1	13.42	
	52	30.3	9.75	31.8	10.61	33.3	11.28	34.0	11.55	34.8	11.61	36.3	11.74	37.8	11.92	
	100%	-5	34.7	4.91	43.2	6.08	51.7	7.35	56.0	8.04	60.3	8.67	68.8	10.03	77.3	10.43
0		34.7	4.95	43.2	6.14	51.7	7.42	56.0	8.12	60.3	8.75	68.8	10.12	75.7	10.55	
4		34.7	4.98	43.2	6.18	51.7	7.47	56.0	8.18	60.3	8.82	68.8	10.20	73.9	10.64	
7		34.7	5.00	43.2	6.21	51.7	7.51	56.0	8.22	60.3	8.87	68.8	10.26	72.5	10.71	
10		34.7	5.02	43.2	6.24	51.7	7.55	56.0	8.27	60.3	8.92	68.8	10.31	71.2	10.78	
12		34.7	5.10	43.2	6.35	51.7	7.69	56.0	8.42	60.3	9.09	68.8	10.50	70.3	11.01	
14		34.7	5.18	43.2	6.46	51.7	7.82	56.0	8.57	60.3	9.26	67.8	10.69	69.3	11.24	
16		34.7	5.26	43.2	6.57	51.7	7.95	56.0	8.72	60.3	9.43	66.9	10.88	68.4	11.68	
18		34.7	5.34	43.2	6.68	51.7	8.09	56.0	8.87	60.3	9.60	66.0	11.38	67.5	12.11	
20		34.7	5.42	43.2	6.79	51.7	8.22	56.0	9.60	60.3	10.29	65.1	11.89	66.6	12.55	
21		34.7	5.46	43.2	6.84	51.7	8.57	56.0	9.97	60.3	10.64	64.6	12.14	66.1	12.77	
23		34.7	5.54	43.2	7.55	51.7	9.28	56.0	10.71	60.3	11.34	63.7	12.65	65.2	13.21	
25		34.7	6.15	43.2	8.26	51.7	9.98	56.0	11.45	60.3	12.03	62.8	13.15	64.3	13.65	
27		34.7	6.76	43.2	8.97	51.7	10.69	56.0	12.19	60.3	12.73	61.9	13.66	63.4	14.09	
29		34.7	7.37	43.2	9.68	51.7	11.39	56.0	12.93	59.5	13.42	61.0	14.16	62.5	14.53	
30		34.7	7.67	43.2	10.03	51.7	11.74	56.0	13.29	59.0	13.77	60.5	14.41	62.0	14.75	
31		34.7	7.97	43.2	10.39	51.7	12.09	56.0	13.66	58.6	14.12	60.1	14.67	61.6	14.97	
33		34.7	8.58	43.2	11.10	51.7	12.80	56.0	14.40	57.7	14.82	59.2	15.17	60.7	15.41	
35		34.7	9.19	43.2	11.81	51.7	13.50	56.0	15.14	56.7	15.51	58.2	15.68	59.7	15.84	
37		34.7	10.27	43.2	12.54	51.7	14.06	55.1	15.76	55.8	16.15	57.3	16.32	58.8	16.49	
39		34.7	11.36	43.2	13.27	51.7	14.61	54.2	16.38	54.9	16.78	56.4	16.96	57.9	17.14	
41		34.7	12.44	43.2	14.00	51.7	15.16	53.3	17.00	54.0	17.42	55.5	17.60	57.0	17.79	
43		34.7	13.52	43.2	14.73	51.6	15.71	52.3	17.62	53.1	18.05	54.6	18.24	56.1	18.44	
44		34.7	12.98	43.2	14.14	49.4	15.09	50.2	16.91	50.9	17.33	52.4	17.51	53.9	17.70	
46		34.7	11.90	43.2	12.96	45.2	13.83	45.9	15.50	46.7	15.88	48.2	16.06	49.7	16.23	
47		34.7	11.35	41.5	12.37	43.0	13.20	43.8	14.80	44.5	15.16	46.0	15.33	47.5	15.49	
48		34.7	10.38	39.4	11.31	40.9	12.07	41.6	13.53	42.4	13.86	43.9	14.01	45.4	14.16	
50		33.6	9.73	35.1	10.60	36.6	11.31	37.3	12.69	38.1	13.00	39.6	13.14	41.1	13.28	
52		29.3	8.65	30.8	9.42	32.3	10.06	33.0	11.28	33.3	11.55	35.3	11.68	36.8	11.80	

Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp. (DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90%	-5	31.3	4.46	38.9	5.48	46.6	6.58	50.4	7.15	54.2	7.73	61.9	8.92	69.5	10.18
	0	31.3	4.50	38.9	5.53	46.6	6.64	50.4	7.22	54.2	7.81	61.9	9.00	69.5	10.28
	4	31.3	4.53	38.9	5.57	46.6	6.69	50.4	7.27	54.2	7.87	61.9	9.07	69.5	10.36
	7	31.3	4.55	38.9	5.59	46.6	6.72	50.4	7.31	54.2	7.91	61.9	9.12	69.5	10.42
	10	31.3	4.57	38.9	5.62	46.6	6.76	50.4	7.35	54.2	7.95	61.9	9.17	69.5	10.48
	12	31.3	4.63	38.9	5.72	46.6	6.88	50.4	7.48	54.2	8.10	61.9	9.33	69.3	10.67
	14	31.3	4.70	38.9	5.81	46.6	7.00	50.4	7.61	54.2	8.25	61.9	9.49	68.3	10.87
	16	31.3	4.77	38.9	5.90	46.6	7.12	50.4	7.74	54.2	8.40	61.9	9.66	67.4	11.06
	18	31.3	4.84	38.9	5.99	46.6	7.24	50.4	7.87	54.2	8.54	61.9	9.82	66.5	11.55
	20	31.3	4.91	38.9	6.09	46.6	7.36	50.4	8.00	54.2	8.69	61.9	10.49	65.6	12.04
	21	31.3	4.94	38.9	6.13	46.6	7.42	50.4	8.34	54.2	9.08	61.9	10.82	65.1	12.28
	23	31.3	5.01	38.9	6.23	46.6	8.02	50.4	9.01	54.2	9.85	61.9	11.49	64.2	12.76
	25	31.3	5.08	38.9	6.90	46.6	8.62	50.4	9.67	54.2	10.62	61.8	12.16	63.3	13.25
	27	31.3	5.68	38.9	7.57	46.6	9.22	50.4	10.34	54.2	11.40	60.9	12.83	62.4	13.74
	29	31.3	6.27	38.9	8.24	46.6	9.82	50.4	11.01	54.2	12.17	60.0	13.50	61.5	14.22
	30	31.3	6.57	38.9	8.57	46.6	10.12	50.4	11.34	54.2	12.55	59.5	13.84	61.0	14.46
	31	31.3	6.87	38.9	8.91	46.6	10.42	50.4	11.68	54.2	12.94	59.1	14.17	60.6	14.71
	33	31.3	7.47	38.9	9.58	46.6	11.02	50.4	12.34	54.2	13.71	58.2	14.84	59.7	15.19
	35	31.3	8.07	38.9	10.25	46.6	11.62	50.4	13.01	54.2	14.49	57.2	15.51	58.7	15.68
	37	31.3	8.98	38.9	10.87	46.6	12.10	50.4	13.54	54.2	15.08	56.3	16.15	57.8	16.32
	39	31.3	9.90	38.9	11.49	46.6	12.57	50.4	14.08	53.9	15.67	55.4	16.78	56.9	16.96
	41	31.3	10.81	38.9	12.11	46.6	13.05	50.4	14.61	53.0	16.26	54.5	17.42	56.0	17.60
	43	31.3	11.73	38.9	12.73	46.6	13.52	50.4	15.14	52.1	16.86	53.6	18.05	55.1	18.24
	44	31.3	11.26	38.9	12.22	46.6	12.98	49.2	14.54	49.9	16.18	51.4	17.33	52.9	17.51
	46	31.3	10.32	38.9	11.20	44.2	11.90	44.9	13.33	45.7	14.83	47.2	15.88	48.7	16.06
	47	31.3	9.85	38.9	10.69	42.0	11.36	42.8	12.72	43.5	14.16	45.0	15.16	46.5	15.33
	48	31.3	9.00	38.4	9.77	39.9	10.39	40.6	11.63	41.4	12.95	42.9	13.86	44.4	14.01
	50	31.3	8.44	34.1	9.16	35.6	9.74	36.3	10.90	37.1	12.14	38.6	13.00	40.1	13.14
	52	28.3	7.50	29.8	8.15	31.3	8.65	32.0	9.69	32.8	10.79	34.3	11.55	35.8	11.68
80%	-5	27.8	4.03	34.6	4.91	41.4	5.85	44.8	6.34	48.2	6.83	55.0	7.89	61.8	8.92
	0	27.8	4.06	34.6	4.95	41.4	5.90	44.8	6.39	48.2	6.90	55.0	7.95	61.8	9.00
	4	27.8	4.08	34.6	4.98	41.4	5.94	44.8	6.44	48.2	6.95	55.0	8.01	61.8	9.07
	7	27.8	4.10	34.6	5.00	41.4	5.97	44.8	6.47	48.2	6.98	55.0	8.05	61.5	9.12
	10	27.8	4.12	34.6	5.02	41.4	6.00	44.8	6.51	48.2	7.02	55.0	8.09	61.8	9.17
	12	27.8	4.18	34.6	5.10	41.4	6.10	44.8	6.62	48.2	7.15	55.0	8.23	61.8	9.33
	14	27.8	4.24	34.6	5.18	41.4	6.20	44.8	6.73	48.2	7.27	55.0	8.37	61.8	9.49
	16	27.8	4.30	34.6	5.26	41.4	6.30	44.8	6.84	48.2	7.40	55.0	8.51	61.8	9.66
	18	27.8	4.36	34.6	5.34	41.4	6.40	44.8	6.95	48.2	7.52	55.0	8.65	61.8	9.82
	20	27.8	4.42	34.6	5.42	41.4	6.50	44.8	7.07	48.2	7.65	55.0	9.38	61.8	10.49
	21	27.8	4.45	34.6	5.46	41.4	6.55	44.8	7.12	48.2	7.71	55.0	9.74	61.8	10.82
	23	27.8	4.51	34.6	5.54	41.4	7.04	44.8	7.68	48.2	8.36	55.0	10.46	61.8	11.49
	25	27.8	4.57	34.6	6.09	41.4	7.53	44.8	8.24	48.2	9.02	55.0	11.19	61.8	12.16
	27	27.8	5.06	34.6	6.64	41.4	8.02	44.8	8.80	48.2	9.67	55.0	11.91	61.4	12.83
	29	27.8	5.55	34.6	7.19	41.4	8.51	44.8	9.37	48.2	10.32	55.0	12.64	60.5	13.50
	30	27.8	5.80	34.6	7.46	41.4	8.76	44.8	9.65	48.2	10.65	55.0	13.00	60.0	13.84
	31	27.8	6.04	34.6	7.74	41.4	9.00	44.8	9.93	48.2	10.97	55.0	13.36	59.6	14.17
	33	27.8	6.53	34.6	8.29	41.4	9.49	44.8	10.49	48.2	11.62	55.0	14.09	58.7	14.84
	35	27.8	7.02	34.6	8.84	41.4	9.98	44.8	11.05	48.2	12.28	55.0	14.81	57.7	15.51
	37	27.8	7.80	34.6	9.37	41.4	10.39	44.8	11.50	48.2	12.78	55.0	15.42	56.8	16.15
	39	27.8	8.57	34.6	9.89	41.4	10.80	44.8	11.95	48.2	13.28	54.4	16.03	55.9	16.78
	41	27.8	9.34	34.6	10.42	41.4	11.21	44.8	12.40	48.2	13.78	53.5	16.63	55.0	17.42
	43	27.8	10.12	34.6	10.95	41.4	11.62	44.8	12.86	48.2	14.29	52.6	17.24	54.1	18.05
	44	27.8	9.71	34.6	10.51	41.4	11.15	44.8	12.34	48.2	13.71	50.4	16.55	51.9	17.33
	46	27.8	8.90	34.6	9.64	41.4	10.22	43.9	11.31	44.7	12.57	46.2	15.17	47.7	15.88
	47	27.8	8.50	34.6	9.20	41.0	9.76	41.8	10.80	42.5	12.00	44.0	14.48	45.5	15.16
	48	27.8	7.77	34.6	8.41	38.9	8.92	39.6	9.87	40.4	10.97	41.9	13.24	43.4	13.86
	50	27.8	7.28	33.1	7.88	34.6	8.37	35.3	9.26	36.1	10.29	37.6	12.41	39.1	13.00
	52	27.3	6.48	28.8	7.01	30.3	7.44	31.0	8.23	31.9	9.14	33.3	11.03	34.8	11.55

Total capacity of outdoor unit; PI—Power input of outdoor unit																
Connection ratio	Outdoor air temp. (DB)	Indoor air temp.														
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB		
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB		
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-5	24.3	3.63	30.3	4.35	36.2	5.14	39.2	5.55	42.2	5.97	48.1	6.83	54.1	7.76	
	0	24.3	3.65	30.3	4.39	36.2	5.18	39.2	5.59	42.2	6.02	48.1	6.90	54.1	7.82	
	4	24.3	3.67	30.3	4.41	36.2	5.21	39.2	5.63	42.2	6.06	48.1	6.95	54.1	7.88	
	7	24.3	3.68	30.3	4.43	36.2	5.24	39.2	5.66	42.2	6.09	48.1	6.98	54.1	7.92	
	10	24.3	3.70	30.3	4.45	36.2	5.26	39.2	5.69	42.2	6.12	48.1	7.02	54.1	7.95	
	12	24.3	3.75	30.3	4.52	36.2	5.35	39.2	5.78	42.2	6.23	48.1	7.15	54.1	8.09	
	14	24.3	3.80	30.3	4.58	36.2	5.43	39.2	5.87	42.2	6.33	48.1	7.27	54.1	8.22	
	16	24.3	3.85	30.3	4.65	36.2	5.52	39.2	5.97	42.2	6.43	48.1	7.40	54.1	8.35	
	18	24.3	3.90	30.3	4.71	36.2	5.60	39.2	6.06	42.2	6.54	48.1	7.52	54.1	8.48	
	20	24.3	3.94	30.3	4.78	36.2	5.69	39.2	6.15	42.2	6.64	48.1	7.65	54.1	8.61	
	21	24.3	3.97	30.3	4.81	36.2	5.73	39.2	6.20	42.2	6.69	48.1	7.96	54.1	9.00	
	23	24.3	4.02	30.3	4.88	36.2	5.81	39.2	6.29	42.2	7.20	48.1	8.57	54.1	9.78	
	25	24.3	4.07	30.3	4.94	36.2	6.25	39.2	6.80	42.2	7.70	48.1	9.19	54.1	10.57	
	27	24.3	4.46	30.3	5.46	36.2	6.68	39.2	7.30	42.2	8.21	48.1	9.81	54.1	11.35	
	29	24.3	4.86	30.3	5.97	36.2	7.12	39.2	7.81	42.2	8.71	48.1	10.43	54.1	12.13	
	30	24.3	5.06	30.3	6.23	36.2	7.34	39.2	8.06	42.2	8.97	48.1	10.73	54.1	12.53	
	31	24.3	5.26	30.3	6.49	36.2	7.56	39.2	8.32	42.2	9.22	48.1	11.04	54.1	12.92	
	33	24.3	5.66	30.3	7.00	36.2	7.99	39.2	8.82	42.2	9.72	48.1	11.66	54.1	13.70	
	35	24.3	6.05	30.3	7.51	36.2	8.43	39.2	9.33	42.2	10.23	48.1	12.28	54.1	14.49	
	37	24.3	6.69	30.3	7.96	36.2	8.77	39.2	9.71	42.2	10.65	48.1	12.78	54.1	15.08	
	39	24.3	7.33	30.3	8.40	36.2	9.12	39.2	10.09	42.2	11.07	48.1	13.28	54.1	15.67	
	41	24.3	7.97	30.3	8.84	36.2	9.46	39.2	10.47	42.2	11.49	48.1	13.78	54.0	16.26	
	43	24.3	8.61	30.3	9.28	36.2	9.81	39.2	10.86	42.2	11.90	48.1	14.29	53.1	16.86	
	44	24.3	8.26	30.3	8.91	36.2	9.42	39.2	10.42	42.2	11.43	48.1	13.71	50.9	16.18	
	46	24.3	7.57	30.3	8.16	36.2	8.63	39.2	9.55	42.2	10.48	45.2	12.57	46.7	14.83	
	47	24.3	7.23	30.3	7.79	36.2	8.24	39.2	9.12	41.5	10.00	43.0	12.00	44.5	14.16	
	48	24.3	6.61	30.3	7.12	36.2	7.53	38.6	8.34	39.4	9.14	40.9	10.97	42.4	12.95	
	50	24.3	6.20	30.3	6.68	33.6	7.06	34.3	7.82	35.1	8.57	36.6	10.29	38.1	12.14	
	52	24.3	5.51	27.8	5.94	29.3	6.28	30.0	6.95	30.8	7.62	32.3	9.14	33.8	10.79	
60%	-5	20.8	3.24	25.9	3.82	31.0	4.46	33.6	4.80	36.2	5.14	41.3	5.85	46.4	6.58	
	0	20.8	3.26	25.9	3.85	31.0	4.50	33.6	4.83	36.2	5.18	41.3	5.90	46.4	6.64	
	4	20.8	3.28	25.9	3.87	31.0	4.53	33.6	4.86	36.2	5.21	41.3	5.94	46.4	6.69	
	7	20.8	3.29	25.9	3.89	31.0	4.55	33.6	4.89	36.2	5.24	41.3	5.97	46.4	6.72	
	10	20.8	3.30	25.9	3.90	31.0	4.57	33.6	4.91	36.2	5.26	41.3	6.00	46.4	6.76	
	12	20.8	3.34	25.9	3.96	31.0	4.63	33.6	4.99	36.2	5.35	41.3	6.10	46.4	6.88	
	14	20.8	3.37	25.9	4.01	31.0	4.70	33.6	5.06	36.2	5.43	41.3	6.20	46.4	7.00	
	15	20.8	3.41	25.9	4.07	31.0	4.77	33.6	5.14	36.2	5.52	41.3	6.30	46.4	7.12	
	18	20.8	3.45	25.9	4.12	31.0	4.84	33.6	5.22	36.2	5.60	41.3	6.40	46.4	7.24	
	20	20.8	3.49	25.9	4.18	31.0	4.91	33.6	5.29	36.2	5.69	41.3	6.50	46.4	7.36	
	21	20.8	3.51	25.9	4.20	31.0	4.94	33.6	5.33	36.2	5.73	41.3	6.55	46.4	7.42	
	23	20.8	3.55	25.9	4.26	31.0	5.01	33.6	5.41	36.2	5.81	41.3	7.04	46.4	8.02	
	25	20.8	3.58	25.9	4.31	31.0	5.08	33.6	5.79	36.2	6.25	41.3	7.53	46.4	8.62	
	27	20.8	3.62	25.9	4.71	31.0	5.46	33.6	6.17	36.2	6.68	41.3	8.02	46.4	9.22	
	29	20.8	4.01	25.9	5.11	31.0	5.85	33.6	6.55	36.2	7.12	41.3	8.51	46.4	9.82	
	30	20.8	4.20	25.9	5.30	31.0	6.04	33.6	6.74	36.2	7.34	41.3	8.76	46.4	10.12	
	31	20.8	4.39	25.9	5.50	31.0	6.23	33.6	6.93	36.2	7.56	41.3	9.00	46.4	10.42	
	33	20.8	4.78	25.9	5.90	31.0	6.61	33.6	7.30	36.2	7.99	41.3	9.49	46.4	11.02	
	35	20.8	5.16	25.9	6.30	31.0	7.00	33.6	7.68	36.2	8.43	41.3	9.98	46.4	11.62	
	37	20.8	5.68	25.9	6.66	31.0	7.28	33.6	8.00	36.2	8.77	41.3	10.39	46.4	12.10	
	39	20.8	6.19	25.9	7.02	31.0	7.57	33.6	8.31	36.2	9.12	41.3	10.80	46.4	12.57	
	41	20.8	6.70	25.9	7.38	31.0	7.86	33.6	8.63	36.2	9.46	41.3	11.21	46.4	13.05	
	43	20.8	7.22	25.9	7.73	31.0	8.14	33.6	8.94	36.2	9.81	41.3	11.62	46.4	13.52	
	44	20.8	6.93	25.9	7.43	31.0	7.82	33.6	8.58	36.2	9.42	41.3	11.15	46.4	12.98	
	46	20.8	6.35	25.9	6.81	31.0	7.17	33.6	7.87	36.2	8.63	41.3	10.22	45.7	11.90	
	47	20.8	6.06	25.9	6.50	31.0	6.84	33.6	7.51	36.2	8.24	41.3	9.76	43.5	11.36	
	48	20.8	5.54	25.9	5.94	31.0	6.25	33.6	6.87	36.2	7.53	39.9	8.92	41.4	10.39	
	50	20.8	5.20	25.9	5.57	31.0	5.86	33.3	6.44	34.1	7.06	35.6	8.37	37.1	9.74	
	52	20.8	4.62	25.9	4.95	28.3	5.21	29.0	5.72	29.3	6.28	31.3	7.44	32.8	8.65	

Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp. (°C DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50%	-5	17.4	2.86	21.6	3.33	25.9	3.82	28.0	4.08	30.1	4.35	34.4	4.91	38.6	5.48
	0	17.4	2.88	21.6	3.36	25.9	3.85	28.0	4.11	30.1	4.39	34.4	4.95	38.6	5.53
	4	17.4	2.89	21.6	3.37	25.9	3.87	28.0	4.14	30.1	4.41	34.4	4.98	38.6	5.57
	7	17.4	2.90	21.6	3.38	25.9	3.89	28.0	4.16	30.1	4.43	34.4	5.00	38.6	5.59
	10	17.4	2.91	21.6	3.40	25.9	3.90	28.0	4.17	30.1	4.45	34.4	5.02	38.6	5.62
	12	17.4	2.95	21.6	3.44	25.9	3.96	28.0	4.23	30.1	4.52	34.4	5.10	38.6	5.72
	14	17.4	2.98	21.6	3.48	25.9	4.01	28.0	4.29	30.1	4.58	34.4	5.18	38.6	5.81
	16	17.4	3.01	21.6	3.52	25.9	4.07	28.0	4.35	30.1	4.65	34.4	5.26	38.6	5.90
	18	17.4	3.04	21.6	3.56	25.9	4.12	28.0	4.41	30.1	4.71	34.4	5.34	38.6	5.99
	20	17.4	3.08	21.6	3.60	25.9	4.18	28.0	4.47	30.1	4.78	34.4	5.42	38.6	6.09
	21	17.4	3.09	21.6	3.62	25.9	4.20	28.0	4.50	30.1	4.81	34.4	5.46	38.6	6.13
	23	17.4	3.13	21.6	3.66	25.9	4.26	28.0	4.56	30.1	4.88	34.4	5.54	38.6	6.23
	25	17.4	3.16	21.6	3.70	25.9	4.31	28.0	4.62	30.1	4.94	34.4	5.94	38.6	6.72
	27	17.4	3.19	21.6	3.74	25.9	4.59	28.0	4.95	30.1	5.31	34.4	6.33	38.6	7.21
	29	17.4	3.43	21.6	4.11	25.9	4.88	28.0	5.27	30.1	5.68	34.4	6.73	38.6	7.70
	30	17.4	3.63	21.6	4.29	25.9	5.02	28.0	5.43	30.1	5.86	34.4	6.93	38.6	7.94
	31	17.4	3.77	21.6	4.47	25.9	5.16	28.0	5.59	30.1	6.04	34.4	7.13	38.6	8.19
	33	17.4	4.07	21.6	4.84	25.9	5.44	28.0	5.91	30.1	6.41	34.4	7.52	38.6	8.68
	35	17.4	4.36	21.6	5.21	25.9	5.72	28.0	6.24	30.1	6.78	34.4	7.92	38.6	9.17
	37	17.4	4.76	21.6	5.49	25.9	5.95	28.0	6.49	30.1	7.05	34.4	8.25	38.6	9.54
	39	17.4	5.16	21.6	5.78	25.9	6.19	28.0	6.75	30.1	7.33	34.4	8.57	38.6	9.92
	41	17.4	5.57	21.6	6.07	25.9	6.42	28.0	7.00	30.1	7.61	34.4	8.89	38.6	10.29
	43	17.4	5.97	21.6	6.36	25.9	6.66	28.0	7.26	30.1	7.89	34.4	9.22	38.6	10.67
	44	17.4	5.73	21.6	6.10	25.9	6.39	28.0	6.97	30.1	7.57	34.4	8.85	38.6	10.24
	46	17.4	5.25	21.6	5.59	25.9	5.86	28.0	6.39	30.1	6.94	34.4	8.11	38.6	9.39
	47	17.4	5.02	21.6	5.34	25.9	5.59	28.0	6.10	30.1	6.62	34.4	7.74	38.6	8.96
	48	17.4	4.59	21.6	4.88	25.9	5.11	28.0	5.57	30.1	6.06	34.4	7.08	38.6	8.19
	50	17.4	4.30	21.6	4.58	25.9	4.79	28.0	5.22	30.1	5.68	34.4	6.64	36.1	7.68
	52	17.4	3.82	21.6	4.07	25.9	4.26	28.0	4.64	28.8	5.05	30.3	5.90	31.8	6.83

GMV-615WML/A-X

		TC—Total capacity of outdoor unit; PI—Power input of outdoor unit													
Connection ratio	Outdoor air temp.(°C DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
135%	-5	51.5	7.57	64.1	9.63	76.7	11.71	83.0	12.05	86.2	12.54	87.9	12.85	89.5	13.02
	0	51.5	7.64	64.1	9.71	76.7	11.82	82.9	12.17	83.7	12.68	85.4	13.01	87.0	13.21
	4	51.5	7.69	64.1	9.78	76.7	11.90	80.9	12.27	81.7	12.79	83.4	13.14	85.0	13.37
	7	51.5	7.73	64.1	9.83	76.7	11.96	79.4	12.34	80.2	12.88	81.9	13.23	83.5	13.48
	10	51.5	7.77	64.1	9.88	76.7	12.03	77.9	12.42	78.7	12.96	80.4	13.32	82.0	13.60
	12	51.5	7.91	64.1	10.04	76.1	12.24	76.9	12.67	77.7	13.24	79.4	13.64	81.0	14.07
	14	51.5	8.04	64.1	10.20	75.1	12.44	75.9	12.91	76.7	13.52	78.4	14.12	80.0	14.53
	16	51.5	8.17	64.1	10.37	74.1	12.65	74.9	13.16	75.7	14.04	77.3	14.61	79.0	15.00
	18	51.5	8.31	64.1	10.53	73.1	13.29	73.9	13.76	74.7	14.55	76.3	15.10	78.0	15.47
	20	51.5	8.44	64.1	11.47	72.0	13.93	72.9	14.36	73.7	15.07	75.3	15.58	77.0	15.93
	21	51.5	8.51	64.1	11.94	71.5	14.25	72.4	14.65	73.2	15.33	74.8	15.83	76.5	16.17
	23	51.5	9.43	64.1	12.89	70.5	14.89	71.4	15.25	72.2	15.84	73.8	16.31	75.5	16.63
	25	51.5	10.36	64.1	13.83	69.5	15.53	70.4	15.85	71.2	16.36	72.8	16.80	74.5	17.10
	27	51.5	11.28	64.1	14.78	68.5	16.17	69.4	16.44	70.2	16.87	71.8	17.28	73.5	17.57
	29	51.5	12.21	64.1	15.72	67.5	16.81	68.4	17.04	69.2	17.39	70.8	17.77	72.5	18.03
	30	51.5	12.67	64.1	16.19	67.0	17.13	67.9	17.34	68.7	17.64	70.3	18.01	72.0	18.26
	31	51.5	13.13	64.1	16.67	66.5	17.45	67.4	17.64	68.2	17.90	69.8	18.26	71.5	18.50
	33	51.5	14.06	63.9	17.61	65.5	18.09	66.3	18.24	67.2	18.42	68.8	18.74	70.5	18.96
	35	51.5	14.98	62.9	18.55	64.5	18.73	65.3	18.83	66.2	18.93	67.8	19.23	69.5	19.43
	37	51.5	16.34	61.9	19.34	63.5	19.50	64.3	19.60	65.2	19.71	66.8	20.02	68.5	20.23
	39	51.5	17.70	60.9	20.12	62.5	20.27	63.3	20.37	64.2	20.48	65.8	20.81	67.5	21.02
	41	51.5	19.06	59.9	20.91	61.5	21.03	62.3	21.14	63.2	21.26	64.8	21.59	66.5	21.82
	43	51.5	20.42	58.9	21.70	60.5	21.80	61.3	21.92	62.2	22.03	63.8	22.38	65.4	22.61
	44	51.5	19.60	56.5	20.83	58.2	20.93	59.0	21.04	59.8	21.15	61.4	21.48	63.1	21.71
	46	50.1	17.97	51.8	19.09	53.4	19.18	54.3	19.29	55.1	19.39	56.7	19.69	58.4	19.90
	47	47.8	17.15	49.4	18.22	51.1	18.31	51.9	18.41	52.7	18.51	54.4	18.80	56.0	18.99
	48	45.4	15.68	47.1	16.66	48.7	16.74	49.6	16.83	50.4	16.92	52.0	17.19	53.7	17.37
	50	40.7	14.70	42.4	15.62	44.0	15.70	44.8	15.78	45.7	15.86	47.3	16.11	49.0	16.28
	52	36.0	13.07	37.7	13.88	39.3	13.95	40.1	14.03	41.0	14.10	42.6	14.32	44.2	14.47
120%	-5	45.8	6.99	57.0	8.79	68.2	10.66	73.8	11.69	79.4	12.04	86.2	12.72	87.9	12.89
	0	45.8	7.05	57.0	8.87	68.2	10.76	73.8	11.80	79.4	12.16	83.7	12.86	85.4	13.07
	4	45.8	7.10	57.0	8.93	68.2	10.84	73.8	11.89	79.4	12.27	81.7	12.97	83.4	13.21
	7	45.8	7.13	57.0	8.98	68.2	10.89	73.8	11.96	78.6	12.34	80.2	13.06	81.9	13.32
	10	45.8	7.17	57.0	9.03	68.2	10.95	73.8	12.03	77.1	12.42	78.7	13.14	80.4	13.42
	12	45.8	7.29	57.0	9.19	68.2	11.14	73.8	12.25	76.1	12.67	77.7	13.43	79.4	13.77
	14	45.8	7.41	57.0	9.34	68.2	11.34	73.8	12.48	75.1	12.93	76.7	13.71	78.4	14.25
	15	45.8	7.53	57.0	9.50	68.2	11.53	73.2	12.70	74.1	13.18	75.7	14.22	77.3	14.72
	18	45.8	7.65	57.0	9.66	68.2	11.72	72.2	13.34	73.1	13.78	74.7	14.72	76.3	15.20
	20	45.8	7.77	57.0	9.82	68.2	12.52	71.2	13.97	72.0	14.37	73.7	15.23	75.3	15.67
	21	45.8	7.83	57.0	10.32	68.2	12.92	70.7	14.29	71.5	14.67	73.2	15.48	74.8	15.91
	23	45.8	8.67	57.0	11.31	68.2	13.72	69.7	14.92	70.5	15.26	72.2	15.99	73.8	16.38
	25	45.8	9.51	57.0	12.31	67.9	14.53	68.7	15.56	69.5	15.86	71.2	16.50	72.8	16.86
	27	45.8	10.34	57.0	13.30	66.9	15.33	67.7	16.19	68.5	16.45	70.2	17.00	71.8	17.33
	29	45.8	11.18	57.0	14.30	65.9	16.13	66.7	16.83	67.5	17.05	69.2	17.51	70.8	17.81
	30	45.8	11.60	57.0	14.79	65.4	16.53	66.2	17.15	67.0	17.35	68.7	17.76	70.3	18.04
	31	45.8	12.02	57.0	15.29	64.9	16.93	65.7	17.46	66.5	17.64	68.2	18.02	69.8	18.28
	33	45.8	12.86	57.0	16.28	63.9	17.73	64.7	18.10	65.5	18.24	67.2	18.52	68.8	18.76
	35	45.8	13.69	57.0	17.28	62.9	18.53	63.7	18.73	64.5	18.83	66.2	19.03	67.8	19.23
	37	45.8	15.11	57.0	18.17	61.9	19.29	62.7	19.50	63.5	19.60	65.2	19.81	66.8	20.02
	39	45.8	16.53	57.0	19.06	60.9	20.05	61.7	20.27	62.5	20.37	64.2	20.59	65.8	20.81
	41	45.8	17.95	57.0	19.95	59.9	20.81	60.7	21.03	61.5	21.14	63.2	21.37	64.8	21.59
	43	45.8	19.37	57.0	20.84	58.9	21.57	59.7	21.80	60.5	21.92	62.2	22.15	63.8	22.38
	44	45.8	18.59	54.9	20.00	56.5	20.70	57.3	20.93	58.2	21.04	59.8	21.26	61.4	21.48
	46	45.8	17.04	50.1	18.34	51.8	18.98	52.6	19.18	53.4	19.29	55.1	19.49	56.7	19.69
	47	45.8	16.27	47.8	17.50	49.4	18.12	50.3	18.31	51.1	18.41	52.7	18.60	54.4	18.80
	48	43.8	14.87	45.4	16.00	47.1	16.56	47.9	16.74	48.7	16.83	50.4	17.01	52.0	17.19
	50	39.1	13.94	40.7	15.00	42.4	15.53	43.2	15.70	44.0	15.78	45.7	15.95	47.3	16.11
	52	34.4	12.39	36.0	13.34	37.7	13.80	38.5	13.95	39.3	14.03	41.0	14.17	42.6	14.32

Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp. (DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
110%	-5	42.0	6.40	52.2	8.02	62.5	9.71	67.7	10.55	72.8	11.49	83.1	12.40	86.8	12.77
	0	42.0	6.46	52.2	8.09	62.5	9.80	67.7	10.65	72.8	11.60	82.6	12.53	84.3	12.93
	4	42.0	6.50	52.2	8.15	62.5	9.87	67.7	10.73	72.8	11.69	80.6	12.63	82.3	13.05
	7	42.0	6.54	52.2	8.19	62.5	9.92	67.7	10.79	72.8	11.76	79.1	12.70	80.8	13.15
	10	42.0	6.57	52.2	8.23	62.5	9.97	67.7	10.85	72.8	11.83	77.6	12.78	79.3	13.24
	12	42.0	6.68	52.2	8.38	62.5	10.15	67.7	11.06	72.8	12.06	76.6	13.03	78.3	13.55
	14	42.0	6.79	52.2	8.52	62.5	10.33	67.7	11.26	72.8	12.29	75.6	13.29	77.3	13.87
	16	42.0	6.90	52.2	8.66	62.5	10.50	67.7	11.46	72.8	12.52	74.6	13.54	76.2	14.37
	18	42.0	7.01	52.2	8.81	62.5	10.68	67.7	11.66	72.0	13.16	73.6	14.10	75.2	14.87
	20	42.0	7.13	52.2	8.95	62.5	11.55	67.7	12.47	70.9	13.80	72.6	14.66	74.2	15.37
	21	42.0	7.18	52.2	9.02	62.5	11.99	67.7	12.87	70.4	14.13	72.1	14.94	73.7	15.62
	23	42.0	7.29	52.2	10.01	62.5	12.86	67.7	13.68	69.4	14.77	71.1	15.49	72.7	16.12
	25	42.0	8.14	52.2	11.01	62.5	13.73	67.6	14.49	68.4	15.41	70.1	16.05	71.7	16.62
	27	42.0	8.99	52.2	12.00	62.5	14.60	66.6	15.30	67.4	16.06	69.1	16.61	70.7	17.13
	29	42.0	9.84	52.2	12.99	62.5	15.47	65.6	16.11	66.4	16.70	68.1	17.16	69.7	17.63
	30	42.0	10.27	52.2	13.49	62.5	15.91	65.1	16.51	65.9	17.02	67.6	17.44	69.2	17.88
	31	42.0	10.69	52.2	13.98	62.5	16.35	64.6	16.92	65.4	17.35	67.1	17.72	68.7	18.13
	33	42.0	11.54	52.2	14.97	62.5	17.22	63.6	17.73	64.4	17.99	66.1	18.28	67.7	18.63
	35	42.0	12.39	52.2	15.96	61.8	18.09	62.6	18.53	63.4	18.63	65.1	18.83	66.7	19.13
	37	42.0	13.84	52.2	16.93	60.8	18.83	61.6	19.29	62.4	19.40	64.1	19.60	65.7	19.91
	39	42.0	15.29	52.2	17.89	59.8	19.57	60.6	20.05	61.4	20.16	63.1	20.37	64.7	20.70
	41	42.0	16.75	52.2	18.85	58.8	20.31	59.6	20.81	60.4	20.92	62.1	21.14	63.7	21.48
	43	42.0	18.20	52.2	19.81	57.8	21.05	58.6	21.57	59.4	21.68	61.1	21.92	62.7	22.26
	44	42.0	17.47	52.2	19.02	55.4	20.21	56.2	20.70	57.1	20.82	58.7	21.04	60.3	21.37
	46	42.0	16.01	49.0	17.44	50.7	18.53	51.5	18.98	52.3	19.08	54.0	19.29	55.6	19.59
	47	42.0	15.29	46.7	16.64	48.3	17.68	49.2	18.12	50.0	18.21	51.6	18.41	53.3	18.70
	48	42.0	13.98	44.3	15.22	46.0	16.17	46.8	16.56	47.6	16.65	49.3	16.83	50.9	17.10
	50	38.0	13.10	39.6	14.27	41.3	15.16	42.1	15.53	42.9	15.61	44.6	15.78	46.2	16.03
	52	33.3	11.65	34.9	12.68	36.6	13.47	37.4	13.80	38.2	13.88	39.9	14.03	41.5	14.25
100%	-5	38.2	5.86	47.5	7.27	56.8	8.79	61.5	9.61	66.2	10.36	75.5	11.98	84.8	12.47
	0	38.2	5.91	47.5	7.33	56.8	8.87	61.5	9.70	66.2	10.46	75.5	12.10	83.2	12.60
	4	38.2	5.95	47.5	7.38	56.8	8.93	61.5	9.77	66.2	10.54	75.5	12.19	81.2	12.71
	7	38.2	5.96	47.5	7.42	56.8	8.98	61.5	9.82	66.2	10.60	75.5	12.25	79.7	12.80
	10	38.2	6.00	47.5	7.46	56.8	9.03	61.5	9.88	66.2	10.66	75.5	12.32	78.2	12.88
	12	38.2	6.10	47.5	7.59	56.8	9.19	61.5	10.06	66.2	10.86	75.5	12.55	77.2	13.15
	14	38.2	6.19	47.5	7.72	56.8	9.34	61.5	10.23	66.2	11.06	74.5	12.77	76.2	13.43
	16	38.2	6.29	47.5	7.85	56.8	9.50	61.5	10.41	66.2	11.26	73.5	13.00	75.2	13.95
	18	38.2	6.38	47.5	7.98	56.8	9.66	61.5	10.59	66.2	11.47	72.5	13.60	74.1	14.47
	20	38.2	6.48	47.5	8.11	56.8	9.82	61.5	11.48	66.2	12.30	71.5	14.20	73.1	15.00
	21	38.2	6.52	47.5	8.18	56.8	10.24	61.5	11.92	66.2	12.71	71.0	14.51	72.6	15.26
	23	38.2	6.62	47.5	9.02	56.8	11.09	61.5	12.80	66.2	13.55	70.0	15.11	71.6	15.79
	25	38.2	7.35	47.5	9.87	56.8	11.93	61.5	13.68	66.2	14.38	69.0	15.71	70.6	16.31
	27	38.2	8.07	47.5	10.72	56.8	12.77	61.5	14.56	66.2	15.21	68.0	16.32	69.6	16.83
	29	38.2	8.80	47.5	11.57	56.8	13.61	61.5	15.44	65.3	16.04	67.0	16.92	68.6	17.36
	30	38.2	9.16	47.5	11.99	56.8	14.03	61.5	15.89	64.8	16.46	66.5	17.22	68.1	17.62
	31	38.2	9.53	47.5	12.41	56.8	14.45	61.5	16.33	64.3	16.87	66.0	17.52	67.6	17.88
	33	38.2	10.26	47.5	13.26	56.8	15.29	61.5	17.21	63.3	17.70	65.0	18.13	66.6	18.41
	35	38.2	10.98	47.5	14.11	56.8	16.13	61.5	18.09	62.3	18.53	64.0	18.73	65.6	18.93
	37	38.2	12.28	47.5	14.98	56.8	16.79	60.5	18.83	61.3	19.29	63.0	19.50	64.6	19.71
	39	38.2	13.57	47.5	15.85	56.8	17.45	59.5	19.57	60.3	20.05	62.0	20.27	63.6	20.48
	41	38.2	14.86	47.5	16.72	56.8	18.12	58.5	20.31	59.3	20.81	61.0	21.03	62.6	21.26
	43	38.2	16.15	47.5	17.60	56.7	18.78	57.5	21.05	58.3	21.57	60.0	21.80	61.6	22.03
	44	38.2	15.51	47.5	16.89	54.3	18.02	55.1	20.21	56.0	20.70	57.6	20.93	59.2	21.15
	46	38.2	14.21	47.5	15.48	49.6	16.52	50.4	18.53	51.2	18.98	52.9	19.18	54.5	19.39
	47	38.2	13.57	45.6	14.78	47.2	15.77	48.1	17.68	48.9	18.12	50.5	18.31	52.2	18.51
	48	38.2	12.40	43.2	13.51	44.9	14.42	45.7	16.17	46.5	16.56	48.2	16.74	49.8	16.92
	50	36.9	11.63	38.5	12.67	40.2	13.52	41.0	15.16	41.8	15.53	43.5	15.70	45.1	15.86
	52	32.2	10.34	33.8	11.26	35.5	12.02	36.3	13.47	37.1	13.80	38.8	13.95	40.4	14.10

Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp. (DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-5	34.3	5.33	42.7	6.55	51.1	7.86	55.4	8.55	59.6	9.24	68.0	10.66	76.4	12.16
	0	34.3	5.37	42.7	6.61	51.1	7.93	55.4	8.62	59.6	9.33	68.0	10.76	76.4	12.28
	4	34.3	5.41	42.7	6.65	51.1	7.99	55.4	8.69	59.6	9.40	68.0	10.83	76.4	12.38
	7	34.3	5.43	42.7	6.68	51.1	8.03	55.4	8.73	59.6	9.45	68.0	10.89	76.4	12.45
	10	34.3	5.46	42.7	6.72	51.1	8.08	55.4	8.78	59.6	9.50	68.0	10.95	76.4	12.52
	12	34.3	5.54	42.7	6.83	51.1	8.22	55.4	8.94	59.6	9.68	68.0	11.15	76.1	12.75
	14	34.3	5.62	42.7	6.94	51.1	8.36	55.4	9.09	59.6	9.86	68.0	11.34	75.1	12.99
	16	34.3	5.70	42.7	7.05	51.1	8.51	55.4	9.25	59.6	10.03	68.0	11.54	74.1	13.22
	18	34.3	5.78	42.7	7.16	51.1	8.65	55.4	9.41	59.6	10.21	68.0	11.73	73.0	13.80
	20	34.3	5.86	42.7	7.27	51.1	8.79	55.4	9.56	59.6	10.38	68.0	12.53	72.0	14.38
	21	34.3	5.90	42.7	7.33	51.1	8.87	55.4	9.96	59.6	10.85	68.0	12.93	71.5	14.67
	23	34.3	5.99	42.7	7.44	51.1	9.58	55.4	10.76	59.6	11.77	68.0	13.73	70.5	15.25
	25	34.3	6.07	42.7	8.24	51.1	10.30	55.4	11.56	59.6	12.69	67.9	14.53	69.5	15.83
	27	34.3	6.78	42.7	9.04	51.1	11.02	55.4	12.36	59.6	13.62	66.9	15.33	68.5	16.41
	29	34.3	7.50	42.7	9.84	51.1	11.73	55.4	13.15	59.6	14.54	65.9	16.13	67.5	16.99
	30	34.3	7.85	42.7	10.25	51.1	12.09	55.4	13.55	59.6	15.00	65.4	16.53	67.0	17.28
	31	34.3	8.21	42.7	10.65	51.1	12.45	55.4	13.95	59.6	15.46	64.9	16.93	66.5	17.57
	33	34.3	8.92	42.7	11.45	51.1	13.17	55.4	14.75	59.6	16.38	63.9	17.73	65.5	18.15
	35	34.3	9.64	42.7	12.25	51.1	13.89	55.4	15.55	59.6	17.31	62.9	18.53	64.5	18.73
	37	34.3	10.73	42.7	12.99	51.1	14.45	55.4	16.18	59.6	18.02	61.9	19.29	63.5	19.50
	39	34.3	11.82	42.7	13.73	51.1	15.02	55.4	16.92	59.2	18.72	60.9	20.05	62.5	20.27
	41	34.3	12.92	42.7	14.47	51.1	15.59	55.4	17.46	58.2	19.43	59.9	20.81	61.5	21.03
	43	34.3	14.01	42.7	15.21	51.1	16.16	55.4	18.09	57.2	20.14	58.9	21.57	60.5	21.80
	44	34.3	13.45	42.7	14.60	51.1	15.51	54.0	17.37	54.9	19.34	56.5	20.70	58.1	20.93
	46	34.3	12.33	42.7	13.38	48.5	14.22	49.3	15.92	50.1	17.72	51.8	18.98	53.4	19.18
	47	34.3	11.77	42.7	12.77	46.1	13.57	47.0	15.20	47.8	16.92	49.4	18.12	51.1	18.31
	48	34.3	10.76	42.1	11.68	43.8	12.41	44.6	13.90	45.4	15.47	47.1	16.56	48.7	16.74
	50	34.3	10.09	37.4	10.95	39.1	11.63	39.9	13.03	40.7	14.50	42.4	15.53	44.0	15.70
	52	31.1	8.97	32.7	9.73	34.4	10.34	35.2	11.58	36.0	12.89	37.7	13.80	39.3	13.95
80%	-5	30.5	4.81	38.0	5.86	45.5	6.99	49.2	7.57	52.9	8.16	60.4	9.42	67.9	10.66
	0	30.5	4.85	38.0	5.91	45.5	7.05	49.2	7.64	52.9	8.24	60.4	9.50	67.9	10.76
	4	30.5	4.88	38.0	5.95	45.5	7.10	49.2	7.69	52.9	8.30	60.4	9.57	67.9	10.83
	7	30.5	4.90	38.0	5.98	45.5	7.13	49.2	7.73	52.9	8.34	60.4	9.62	67.9	10.89
	10	30.5	4.92	38.0	6.00	45.5	7.17	49.2	7.77	52.9	8.39	60.4	9.67	67.9	10.95
	12	30.5	4.99	38.0	6.10	45.5	7.29	49.2	7.91	52.9	8.54	60.4	9.84	67.9	11.15
	14	30.5	5.06	38.0	6.19	45.5	7.41	49.2	8.04	52.9	8.69	60.4	10.00	67.9	11.34
	16	30.5	5.13	38.0	6.29	45.5	7.53	49.2	8.17	52.9	8.84	60.4	10.17	67.9	11.54
	18	30.5	5.21	38.0	6.38	45.5	7.65	49.2	8.31	52.9	8.99	60.4	10.34	67.9	11.73
	20	30.5	5.28	38.0	6.48	45.5	7.77	49.2	8.44	52.9	9.14	60.4	11.20	67.9	12.53
	21	30.5	5.31	38.0	6.52	45.5	7.83	49.2	8.51	52.9	9.21	60.4	11.64	67.9	12.93
	23	30.5	5.38	38.0	6.62	45.5	8.42	49.2	9.18	52.9	9.99	60.4	12.50	67.9	13.73
	25	30.5	5.46	38.0	7.28	45.5	9.00	49.2	9.85	52.9	10.77	60.4	13.37	67.9	14.53
	27	30.5	6.04	38.0	7.93	45.5	9.59	49.2	10.52	52.9	11.55	60.4	14.23	67.4	15.33
	29	30.5	6.63	38.0	8.59	45.5	10.17	49.2	11.19	52.9	12.33	60.4	15.10	66.4	16.13
	30	30.5	6.92	38.0	8.92	45.5	10.47	49.2	11.53	52.9	12.72	60.4	15.53	65.9	16.53
	31	30.5	7.22	38.0	9.25	45.5	10.76	49.2	11.86	52.9	13.11	60.4	15.97	65.4	16.93
	33	30.5	7.80	38.0	9.90	45.5	11.34	49.2	12.53	52.9	13.89	60.4	16.83	64.4	17.73
	35	30.5	8.39	38.0	10.56	45.5	11.93	49.2	13.20	52.9	14.67	60.4	17.70	63.4	18.53
	37	30.5	9.32	38.0	11.19	45.5	12.42	49.2	13.74	52.9	15.27	60.4	18.42	62.4	19.29
	39	30.5	10.24	38.0	11.82	45.5	12.91	49.2	14.28	52.9	15.87	59.8	19.15	61.4	20.05
	41	30.5	11.17	38.0	12.45	45.5	13.39	49.2	14.82	52.9	16.47	58.8	19.87	60.4	20.81
	43	30.5	12.09	38.0	13.09	45.5	13.88	49.2	15.36	52.9	17.07	57.8	20.60	59.4	21.57
	44	30.5	11.61	38.0	12.56	45.5	13.33	49.2	14.75	52.9	16.39	55.4	19.77	57.1	20.70
	46	30.5	10.64	38.0	11.51	45.5	12.22	48.2	13.52	49.0	15.02	50.7	18.12	52.3	18.98
	47	30.5	10.16	38.0	10.99	45.0	11.66	45.9	12.90	46.7	14.34	48.3	17.30	50.0	18.12
	48	30.5	9.28	38.0	10.05	42.7	10.66	43.5	11.80	44.3	13.11	46.0	15.82	47.6	16.56
	50	30.5	8.70	36.3	9.42	38.0	10.00	38.8	11.06	39.6	12.29	41.3	14.83	42.9	15.53
	52	30.0	7.74	31.6	8.37	33.3	8.88	34.1	9.83	34.9	10.92	36.6	13.18	38.2	13.80

Total capacity of outdoor unit; PI—Power input of outdoor unit																
Connection ratio	Outdoor air temp. (DB)	Indoor air temp.														
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB		
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB		
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	
70%	-5	26.7	4.33	33.2	5.20	39.8	6.14	43.1	6.63	46.3	7.13	52.9	8.16	59.4	9.27	
	0	26.7	4.36	33.2	5.24	39.8	6.19	43.1	6.69	46.3	7.19	52.9	8.24	59.4	9.35	
	4	26.7	4.38	33.2	5.27	39.8	6.23	43.1	6.73	46.3	7.24	52.9	8.30	59.4	9.41	
	7	26.7	4.40	33.2	5.30	39.8	6.26	43.1	6.76	46.3	7.28	52.9	8.34	59.4	9.46	
	10	26.7	4.42	33.2	5.32	39.8	6.29	43.1	6.80	46.3	7.31	52.9	8.39	59.4	9.50	
	12	26.7	4.48	33.2	5.40	39.8	6.39	43.1	6.91	46.3	7.44	52.9	8.54	59.4	9.66	
	14	26.7	4.54	33.2	5.48	39.8	6.49	43.1	7.02	46.3	7.56	52.9	8.69	59.4	9.82	
	16	26.7	4.60	33.2	5.55	39.8	6.59	43.1	7.13	46.3	7.69	52.9	8.84	59.4	9.97	
	18	26.7	4.65	33.2	5.63	39.8	6.69	43.1	7.24	46.3	7.81	52.9	8.99	59.4	10.13	
	20	26.7	4.71	33.2	5.71	39.8	6.79	43.1	7.35	46.3	7.93	52.9	9.14	59.4	10.29	
	21	26.7	4.74	33.2	5.75	39.8	6.84	43.1	7.41	46.3	8.00	52.9	9.51	59.4	10.75	
	23	26.7	4.80	33.2	5.83	39.8	6.94	43.1	7.52	46.3	8.60	52.9	10.25	59.4	11.69	
	25	26.7	4.86	33.2	5.91	39.8	7.47	43.1	8.12	46.3	9.20	52.9	10.98	59.4	12.63	
	27	26.7	5.33	33.2	6.52	39.8	7.99	43.1	8.73	46.3	9.81	52.9	11.72	59.4	13.56	
	29	26.7	5.81	33.2	7.14	39.8	8.51	43.1	9.33	46.3	10.41	52.9	12.46	59.4	14.50	
	30	26.7	6.05	33.2	7.44	39.8	8.77	43.1	9.63	46.3	10.71	52.9	12.82	59.4	14.97	
	31	26.7	6.28	33.2	7.75	39.8	9.03	43.1	9.94	46.3	11.02	52.9	13.19	59.4	15.44	
	33	26.7	6.76	33.2	8.36	39.8	9.55	43.1	10.54	46.3	11.62	52.9	13.93	59.4	16.37	
	35	26.7	7.23	33.2	8.98	39.8	10.07	43.1	11.15	46.3	12.22	52.9	14.67	59.4	17.31	
	37	26.7	8.00	33.2	9.51	39.8	10.48	43.1	11.60	46.3	12.72	52.9	15.27	59.4	18.02	
	39	26.7	8.76	33.2	10.03	39.8	10.90	43.1	12.06	46.3	13.22	52.9	15.87	59.4	18.72	
	41	26.7	9.52	33.2	10.56	39.8	11.31	43.1	12.52	46.3	13.72	52.9	16.47	59.3	19.43	
	43	26.7	10.28	33.2	11.08	39.8	11.72	43.1	12.97	46.3	14.22	52.9	17.07	58.3	20.14	
	44	26.7	9.87	33.2	10.64	39.8	11.25	43.1	12.45	46.3	13.66	52.9	16.39	56.0	19.34	
	46	26.7	9.05	33.2	9.75	39.8	10.31	43.1	11.42	46.3	12.52	49.6	15.02	51.2	17.72	
	47	26.7	8.64	33.2	9.31	39.8	9.85	43.1	10.90	45.6	11.95	47.2	14.34	48.9	16.92	
	50	26.7	7.41	33.2	7.98	36.9	8.44	37.7	9.34	38.5	10.24	40.2	12.29	41.8	14.50	
	52	26.7	6.58	30.5	7.09	32.2	7.50	33.0	8.30	33.8	9.10	35.5	10.92	37.1	12.89	
60%	-5	22.9	3.87	28.5	4.57	34.1	5.33	36.9	5.73	39.7	6.14	45.3	6.99	50.9	7.86	
	0	22.9	3.90	28.5	4.60	34.1	5.37	36.9	5.78	39.7	6.19	45.3	7.05	50.9	7.93	
	4	22.9	3.91	28.5	4.63	34.1	5.41	36.9	5.81	39.7	6.23	45.3	7.10	50.9	7.99	
	7	22.9	3.93	28.5	4.64	34.1	5.43	36.9	5.84	39.7	6.26	45.3	7.13	50.9	8.03	
	10	22.9	3.94	28.5	4.66	34.1	5.46	36.9	5.87	39.7	6.29	45.3	7.17	50.9	8.08	
	12	22.9	3.99	28.5	4.73	34.1	5.54	36.9	5.96	39.7	6.39	45.3	7.29	50.9	8.22	
	14	22.9	4.03	28.5	4.79	34.1	5.62	36.9	6.05	39.7	6.49	45.3	7.41	50.9	8.36	
	16	22.9	4.08	28.5	4.86	34.1	5.70	36.9	6.14	39.7	6.59	45.3	7.53	50.9	8.51	
	18	22.9	4.12	28.5	4.93	34.1	5.78	36.9	6.23	39.7	6.63	45.3	7.65	50.9	8.65	
	20	22.9	4.17	28.5	4.99	34.1	5.86	36.9	6.32	39.7	6.79	45.3	7.77	50.9	8.79	
	21	22.9	4.19	28.5	5.02	34.1	5.90	36.9	6.37	39.7	6.84	45.3	7.83	50.9	8.87	
	23	22.9	4.24	28.5	5.09	34.1	5.99	36.9	6.46	39.7	6.94	45.3	8.42	50.9	9.58	
	25	22.9	4.28	28.5	5.15	34.1	6.07	36.9	6.91	39.7	7.47	45.3	9.00	50.9	10.30	
	27	22.9	4.33	28.5	5.63	34.1	6.53	36.9	7.37	39.7	7.99	45.3	9.59	50.9	11.02	
	29	22.9	4.79	28.5	6.10	34.1	6.98	36.9	7.82	39.7	8.51	45.3	10.17	50.9	11.73	
	30	22.9	5.02	28.5	6.34	34.1	7.21	36.9	8.05	39.7	8.77	45.3	10.47	50.9	12.09	
	31	22.9	5.25	28.5	6.58	34.1	7.44	36.9	8.27	39.7	9.03	45.3	10.76	50.9	12.45	
	33	22.9	5.71	28.5	7.05	34.1	7.90	36.9	8.73	39.7	9.55	45.3	11.34	50.9	13.17	
	35	22.9	6.17	28.5	7.52	34.1	8.36	36.9	9.18	39.7	10.07	45.3	11.93	50.9	13.89	
	37	22.9	6.78	28.5	7.95	34.1	8.70	36.9	9.56	39.7	10.48	45.3	12.42	50.9	14.45	
	39	22.9	7.40	28.5	8.38	34.1	9.04	36.9	9.93	39.7	10.90	45.3	12.91	50.9	15.02	
	41	22.9	8.01	28.5	8.81	34.1	9.39	36.9	10.31	39.7	11.31	45.3	13.39	50.9	15.59	
	43	22.9	8.62	28.5	9.24	34.1	9.73	36.9	10.69	39.7	11.72	45.3	13.88	50.9	16.16	
	44	22.9	8.28	28.5	8.87	34.1	9.34	36.9	10.26	39.7	11.25	45.3	13.33	50.9	15.51	
	46	22.9	7.59	28.5	8.13	34.1	8.56	36.9	9.40	39.7	10.31	45.3	12.22	50.1	14.22	
	47	22.9	7.24	28.5	7.76	34.1	8.17	36.9	8.98	39.7	9.85	45.3	11.66	47.8	13.57	
	48	22.9	6.62	28.5	7.10	34.1	7.47	36.9	8.21	39.7	9.00	43.8	10.66	45.4	12.41	
	50	22.9	6.21	28.5	6.65	34.1	7.01	36.6	7.69	37.4	8.44	39.1	10.00	40.7	11.63	
52	22.9	5.52	28.5	5.91	31.1	6.23	31.9	6.84	32.7	7.50	34.4	8.88	36.0	10.34		

Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp. (°C DB)	Indoor air temp.													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
50%	-5	19.1	3.42	23.7	3.98	28.4	4.57	30.8	4.88	33.1	5.20	37.8	5.86	42.4	6.55
	0	19.1	3.44	23.7	4.01	28.4	4.60	30.8	4.92	33.1	5.24	37.8	5.91	42.4	6.61
	4	19.1	3.46	23.7	4.03	28.4	4.63	30.8	4.94	33.1	5.27	37.8	5.95	42.4	6.65
	7	19.1	3.47	23.7	4.04	28.4	4.64	30.8	4.97	33.1	5.30	37.8	5.98	42.4	6.68
	10	19.1	3.48	23.7	4.06	28.4	4.66	30.8	4.99	33.1	5.32	37.8	6.00	42.4	6.72
	12	19.1	3.52	23.7	4.11	28.4	4.73	30.8	5.06	33.1	5.40	37.8	6.10	42.4	6.83
	14	19.1	3.56	23.7	4.16	28.4	4.79	30.8	5.13	33.1	5.48	37.8	6.19	42.4	6.94
	16	19.1	3.60	23.7	4.20	28.4	4.86	30.8	5.20	33.1	5.55	37.8	6.29	42.4	7.05
	18	19.1	3.64	23.7	4.25	28.4	4.93	30.8	5.27	33.1	5.63	37.8	6.38	42.4	7.16
	20	19.1	3.68	23.7	4.30	28.4	4.99	30.8	5.35	33.1	5.71	37.8	6.48	42.4	7.27
	21	19.1	3.70	23.7	4.33	28.4	5.02	30.8	5.38	33.1	5.75	37.8	6.52	42.4	7.33
	23	19.1	3.74	23.7	4.38	28.4	5.09	30.8	5.45	33.1	5.83	37.8	6.62	42.4	7.44
	25	19.1	3.77	23.7	4.42	28.4	5.15	30.8	5.52	33.1	5.91	37.8	7.09	42.4	8.02
	27	19.1	3.81	23.7	4.47	28.4	5.49	30.8	5.91	33.1	6.34	37.8	7.57	42.4	8.61
	29	19.1	4.16	23.7	4.91	28.4	5.83	30.8	6.30	33.1	6.78	37.8	8.04	42.4	9.19
	30	19.1	4.34	23.7	5.13	28.4	5.99	30.8	6.49	33.1	7.00	37.8	8.28	42.4	9.49
	31	19.1	4.51	23.7	5.35	28.4	6.16	30.8	6.68	33.1	7.22	37.8	8.52	42.4	9.78
	33	19.1	4.86	23.7	5.78	28.4	6.50	30.8	7.07	33.1	7.66	37.8	8.99	42.4	10.37
	35	19.1	5.21	23.7	6.22	28.4	6.84	30.8	7.45	33.1	8.10	37.8	9.47	42.4	10.95
	37	19.1	5.69	23.7	6.56	28.4	7.11	30.8	7.76	33.1	8.43	37.8	9.85	42.4	11.40
	39	19.1	6.17	23.7	6.91	28.4	7.39	30.8	8.06	33.1	8.76	37.8	10.24	42.4	11.85
	41	19.1	6.65	23.7	7.25	28.4	7.67	30.8	8.37	33.1	9.09	37.8	10.63	42.4	12.30
	43	19.1	7.13	23.7	7.60	28.4	7.95	30.8	8.67	33.1	9.42	37.8	11.02	42.4	12.74
	44	19.1	6.85	23.7	7.29	28.4	7.64	30.8	8.32	33.1	9.05	37.8	10.57	42.4	12.23
	46	19.1	6.28	23.7	6.68	28.4	7.00	30.8	7.63	33.1	8.29	37.8	9.69	42.4	11.22
	47	19.1	5.99	23.7	6.38	28.4	6.68	30.8	7.28	33.1	7.91	37.8	9.25	42.4	10.71
	48	19.1	5.48	23.7	5.83	28.4	6.11	30.8	6.66	33.1	7.24	37.8	8.46	42.4	9.79
	50	19.1	5.14	23.7	5.47	28.4	5.73	30.8	6.24	33.1	6.78	37.8	7.93	39.6	9.18
	52	19.1	4.57	23.7	4.86	28.4	5.09	30.8	5.55	31.6	6.03	33.3	7.05	34.9	8.16

◆ Correction for heating capacity:

GMV-400WML/A-X

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Outdoor air temp.(°C)		Indoor air temp.(°CDB)											
			16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
135%	-19.8	-20.0	26.9	5.03	26.8	5.63	26.6	6.23	26.6	6.53	26.5	6.83	26.4	7.43
	-18.8	-19.0	27.8	5.20	27.7	5.79	27.5	6.37	27.5	6.67	27.4	6.97	27.3	7.56
	-16.7	-17.0	29.5	5.55	29.4	6.11	29.2	6.68	29.2	6.97	29.1	7.25	29.0	7.82
	-13.7	-15.0	31.2	5.91	31.1	6.45	30.9	6.99	30.9	7.27	30.8	7.54	30.7	8.09
	-11.8	-13.0	33.0	6.28	32.9	6.80	32.7	7.31	32.7	7.57	32.6	7.83	32.5	8.35
	-9.8	-11.0	34.7	6.63	34.6	7.13	34.4	7.62	34.4	7.87	34.3	8.12	34.2	8.62
	-9.5	-10.0	35.6	6.81	35.5	7.30	35.3	7.78	35.3	8.02	35.2	8.27	35.1	8.75
	-8.5	-9.1	36.3	6.97	36.2	7.44	36.0	7.92	36.0	8.16	35.9	8.39	35.8	8.87
	-7.0	-7.6	37.6	7.23	37.5	7.69	37.3	8.15	37.3	8.37	37.2	8.61	37.1	9.05
	-5.0	-5.6	39.4	7.58	39.3	8.01	39.1	8.45	39.1	8.66	39.0	8.88	38.9	9.32
	-3.0	-3.7	41.0	7.89	40.9	8.30	40.7	8.71	40.7	8.92	40.6	9.14	40.5	9.50
	0.0	-0.7	43.6	8.36	43.5	8.74	43.3	9.14	43.3	9.32	43.2	9.50	43.1	9.86
	2.0	1.0	45.1	8.60	45.0	8.98	44.8	9.35	44.8	9.53	44.7	9.71	44.6	10.07
	3.0	2.2	46.1	8.78	46.0	9.14	45.8	9.50	45.8	9.68	45.7	9.86	45.6	10.22
	5.0	4.1	47.8	9.05	47.6	9.41	47.4	9.68	47.4	9.86	47.3	10.04	47.2	10.40
	7.0	6.0	49.4	9.32	49.3	9.59	49.1	9.95	49.1	10.13	49.0	10.22	48.9	10.58
	9.0	7.9	51.0	9.50	50.9	9.86	50.7	10.13	50.7	10.31	50.6	10.40	50.5	10.58
	11.0	9.8	52.7	9.77	52.6	10.04	52.4	10.31	52.4	10.49	52.3	10.58	51.5	9.95
	12.0	11.0	53.7	9.88	53.6	10.15	53.4	10.42	53.4	10.60	53.3	10.47	51.5	9.53
	13.0	11.8	54.4	9.95	54.3	10.22	54.1	10.49	54.1	10.67	54.0	10.40	51.5	9.25
15.0	13.7	56.0	10.13	55.9	10.40	55.7	10.67	55.7	10.31	55.6	9.86	51.5	8.66	
18.0	16.8	58.7	10.42	58.6	10.69	58.4	10.96	58.4	9.72	56.1	8.91	51.5	7.71	
20.0	18.5	60.2	10.58	60.1	10.85	59.9	11.12	58.4	9.20	56.1	8.39	51.5	7.19	
24.0	20.5	61.9	10.77	61.8	11.04	60.8	10.51	58.4	8.59	56.1	7.77	51.5	6.57	
120%	-19.8	-20.0	26.7	5.72	26.6	6.28	26.5	6.83	26.5	7.11	26.4	7.39	26.3	7.94
	-18.8	-19.0	27.6	5.88	27.5	6.42	27.4	6.97	27.4	7.24	27.3	7.51	27.2	8.06
	-16.7	-17.0	29.3	6.20	29.2	6.72	29.1	7.25	29.1	7.51	29.0	7.77	28.9	8.30
	-13.7	-15.0	31.0	6.54	30.9	7.04	30.8	7.54	30.8	7.79	30.7	8.04	30.6	8.54
	-11.8	-13.0	32.8	6.87	32.7	7.35	32.6	7.83	32.6	8.07	32.5	8.31	32.4	8.79
	-9.8	-11.0	34.5	7.21	34.4	7.67	34.3	8.12	34.3	8.35	34.2	8.58	34.1	9.05
	-9.5	-10.0	35.4	7.37	35.3	7.82	35.2	8.27	35.2	8.49	35.1	8.71	35.0	9.14
	-8.5	-9.1	36.1	7.52	36.0	7.95	35.9	8.39	35.9	8.61	35.8	8.83	35.7	9.23
	-7.0	-7.6	37.4	7.76	37.3	8.19	37.2	8.61	37.2	8.81	37.1	9.05	37.0	9.41
	-5.0	-5.6	39.2	8.08	39.1	8.47	39.0	8.88	39.0	9.05	38.9	9.23	38.8	9.68
	-3.0	-3.7	40.8	8.36	40.7	8.75	40.6	9.14	40.6	9.32	40.5	9.50	40.4	9.86
	0.0	-0.7	43.4	8.79	43.3	9.14	43.2	9.50	43.2	9.68	43.1	9.86	43.0	10.22
	2.0	1.0	44.9	9.05	44.8	9.35	44.7	9.71	44.7	9.89	44.6	10.02	44.5	10.38
	3.0	2.2	45.9	9.23	45.8	9.50	45.7	9.86	45.7	10.04	45.6	10.13	45.5	10.49
	5.0	4.1	47.5	9.41	47.4	9.77	47.3	10.04	47.3	10.22	47.2	10.40	45.7	10.66
	7.0	6.0	49.2	9.68	49.1	9.95	49.0	10.22	49.0	10.40	48.9	10.58	45.7	10.18
	9.0	7.9	50.8	9.86	50.7	10.13	50.6	10.40	50.6	10.58	49.9	10.66	45.7	9.60
	11.0	9.8	52.5	10.04	52.4	10.31	52.3	10.58	51.8	10.55	49.9	9.95	45.7	8.92
	12.0	11.0	53.5	10.20	53.4	10.47	53.3	10.47	51.8	10.10	49.9	9.58	45.7	8.61
	13.0	11.8	54.2	10.31	54.1	10.58	54.0	10.40	51.8	9.80	49.9	9.34	45.7	8.40
	15.0	13.7	55.8	10.49	55.7	10.76	54.0	9.61	51.8	9.17	49.9	8.73	45.7	7.89
	18.0	16.8	58.5	10.78	58.1	9.80	54.0	8.65	51.8	8.22	49.9	7.78	45.7	6.94
	20.0	18.5	60.0	10.94	58.1	9.28	54.0	8.13	51.8	7.69	49.9	7.26	45.7	6.42
	24.0	20.5	61.7	11.13	58.1	8.67	54.0	7.51	51.8	7.08	49.9	6.64	45.7	5.80

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Outdoor air temp.(°C)		Indoor air temp. (°CDB)											
			16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-19.8	-20.0	26.6	6.42	26.5	6.92	26.4	7.43	26.3	7.69	26.3	7.94	26.2	8.45
	-18.8	-19.0	27.5	6.56	27.4	7.06	27.3	7.56	27.2	7.81	27.2	8.06	27.1	8.56
	-16.7	-17.0	29.2	6.86	29.1	7.33	29.0	7.82	28.9	8.06	28.9	8.30	28.8	8.78
	-13.7	-15.0	30.9	7.16	30.8	7.62	30.7	8.09	30.6	8.31	30.6	8.54	30.5	8.97
	-11.8	-13.0	32.7	7.47	32.6	7.91	32.5	8.35	32.4	8.57	32.4	8.79	32.3	9.23
	-9.8	-11.0	34.4	7.78	34.3	8.19	34.2	8.62	34.1	8.82	34.1	9.05	34.0	9.41
	-9.5	-10.0	35.3	7.93	35.2	8.34	35.1	8.75	35.0	8.96	35.0	9.14	34.9	9.59
	-8.5	-9.1	36.0	8.07	35.9	8.46	35.8	8.87	35.7	9.05	35.7	9.23	35.6	9.68
	-7.0	-7.6	37.3	8.28	37.2	8.67	37.1	9.05	37.0	9.23	37.0	9.41	36.9	9.86
	-5.0	-5.6	39.1	8.58	39.0	8.94	38.9	9.32	38.8	9.50	38.8	9.68	38.7	10.04
	-3.0	-3.7	40.7	8.84	40.6	9.23	40.5	9.50	40.4	9.68	40.4	9.86	40.3	10.22
	0.0	-0.7	43.3	9.23	43.2	9.59	43.1	9.86	43.0	10.04	43.0	10.22	41.9	10.47
	2.0	1.0	44.8	9.44	44.7	9.75	44.6	10.07	44.5	10.20	44.5	10.38	41.9	10.42
	3.0	2.2	45.8	9.59	45.7	9.86	45.6	10.22	45.5	10.31	45.5	10.49	41.9	10.38
	5.0	4.1	47.4	9.86	47.3	10.13	47.2	10.40	47.1	10.49	45.7	10.66	41.9	9.72
	7.0	6.0	49.1	10.04	49.0	10.31	48.9	10.58	47.5	10.66	45.7	10.18	41.9	9.15
	9.0	7.9	50.7	10.22	50.6	10.49	49.5	10.56	47.5	10.07	45.7	9.60	41.9	8.59
	11.0	9.8	52.4	10.40	52.3	10.67	49.5	9.95	47.5	9.38	45.7	8.92	41.9	8.09
	12.0	11.0	53.4	10.51	52.9	10.39	49.5	9.53	47.5	9.03	45.7	8.61	41.9	7.79
	13.0	11.8	54.1	10.58	53.3	10.20	49.5	9.25	47.5	8.79	45.7	8.40	41.9	7.60
	15.0	13.7	55.7	10.58	53.3	9.43	49.5	8.66	47.5	8.28	45.7	7.89	41.9	7.16
	18.0	16.8	57.0	9.63	53.3	8.48	49.5	7.71	47.5	7.32	45.7	6.94	41.9	6.21
	20.0	18.5	57.0	9.10	53.3	7.95	49.5	7.19	47.5	6.80	45.7	6.42	41.9	5.68
	24.0	20.5	57.0	8.49	53.3	7.34	49.5	6.57	47.5	6.19	45.7	5.80	41.9	5.07
100%	-19.8	-20.0	26.5	7.04	26.4	7.44	26.3	7.83	26.2	8.11	26.2	8.40	26.1	8.97
	-18.8	-19.0	27.4	7.18	27.3	7.55	27.2	7.94	27.1	8.22	27.1	8.50	27.0	9.05
	-16.7	-17.0	29.1	7.44	29.0	7.81	28.9	8.17	28.8	8.45	28.8	8.72	28.7	9.23
	-13.7	-15.0	30.8	7.72	30.7	8.07	30.6	8.42	30.5	8.68	30.5	8.95	30.4	9.50
	-11.8	-13.0	32.6	8.00	32.5	8.33	32.4	8.66	32.3	8.90	32.3	9.13	32.2	9.68
	-9.8	-11.0	34.3	8.28	34.2	8.59	34.1	8.94	34.0	9.17	34.0	9.40	33.9	9.86
	-9.5	-10.0	35.2	8.42	35.1	8.72	35.0	9.03	34.9	9.26	34.9	9.49	34.8	9.95
	-8.5	-9.1	35.9	8.54	35.8	8.83	35.7	9.12	35.6	9.35	35.6	9.58	35.5	10.04
	-7.0	-7.6	37.2	8.74	37.1	9.01	37.0	9.30	36.9	9.53	36.9	9.76	36.8	10.22
	-5.0	-5.6	39.0	8.99	38.9	9.27	38.8	9.56	38.7	9.80	38.7	9.94	38.2	10.38
	-3.0	-3.7	40.6	9.26	40.5	9.45	40.4	9.74	40.3	9.97	40.3	10.21	38.2	10.57
	0.0	-0.7	43.2	9.61	43.1	9.81	43.0	10.10	42.9	10.24	41.6	10.47	38.2	10.10
	2.0	1.0	44.7	9.82	44.6	10.02	44.2	10.25	43.1	10.40	41.6	10.30	38.2	9.56
	3.0	2.2	45.7	9.97	45.6	10.17	45.0	10.36	43.3	10.51	41.6	10.18	38.2	9.17
	5.0	4.1	47.3	10.15	47.2	10.35	45.0	10.45	43.3	9.94	41.6	9.52	38.2	8.66
	7.0	6.0	49.0	10.33	48.4	10.52	45.0	9.78	43.3	9.36	41.6	8.95	38.2	8.15
	9.0	7.9	50.6	10.51	48.4	10.12	45.0	9.20	43.3	8.79	41.6	8.40	38.2	7.69
	11.0	9.8	51.8	10.48	48.4	9.53	45.0	8.60	43.3	8.25	41.6	7.90	38.2	7.25
	12.0	11.0	51.8	10.03	48.4	9.11	45.0	8.26	43.3	7.93	41.6	7.61	38.2	6.99
	13.0	11.8	51.8	9.74	48.4	8.83	45.0	8.04	43.3	7.72	41.6	7.42	38.2	6.82
	15.0	13.7	51.8	9.10	48.4	8.31	45.0	7.56	43.3	7.27	41.6	6.99	38.2	6.44
	18.0	16.8	51.8	8.15	48.4	7.36	45.0	6.60	43.3	6.31	41.6	6.03	38.2	5.49
	20.0	18.5	51.8	7.62	48.4	6.84	45.0	6.08	43.3	5.79	41.6	5.51	38.2	4.97
	24.0	20.5	51.8	7.01	48.4	6.22	45.0	5.46	43.3	5.18	41.6	4.90	38.2	4.35

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Outdoor air temp.(°C)		Indoor air temp. (°CDB)											
			16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-19.8	-20.0	26.3	7.80	26.2	8.22	26.1	8.63	26.1	8.85	26.1	9.05	26.0	9.50
	-18.8	-19.0	27.2	7.93	27.1	8.33	27.0	8.74	27.0	8.95	27.0	9.14	26.9	9.59
	-16.7	-17.0	28.9	8.17	28.8	8.56	28.7	8.96	28.7	9.14	28.7	9.32	28.6	9.77
	-13.7	-15.0	30.6	8.42	30.5	8.79	30.4	9.14	30.4	9.32	30.4	9.50	30.3	9.95
	-11.8	-13.0	32.4	8.67	32.3	9.05	32.2	9.41	32.2	9.59	32.2	9.77	32.1	10.13
	-9.8	-11.0	34.1	8.92	34.0	9.23	33.9	9.59	33.9	9.77	33.9	9.95	33.8	10.31
	-9.5	-10.0	35.0	9.05	34.9	9.41	34.8	9.68	34.8	9.86	34.8	10.04	34.3	10.39
	-8.5	-9.1	35.7	9.14	35.6	9.50	35.5	9.77	35.5	9.95	35.5	10.13	34.3	10.48
	-7.0	-7.6	37.0	9.32	36.9	9.68	36.8	9.95	36.8	10.13	36.8	10.31	34.3	10.57
	-5.0	-5.6	38.3	9.59	38.7	9.86	38.6	10.22	38.6	10.31	37.4	10.48	34.3	10.39
	-3.0	-3.7	40.4	9.77	40.3	10.04	40.2	10.40	39.0	10.48	37.4	10.66	34.3	9.74
	0.0	-0.7	43.0	10.13	42.9	10.40	40.5	10.66	39.0	10.38	37.4	9.92	34.3	8.90
	2.0	1.0	44.5	10.29	43.3	10.55	40.5	10.22	39.0	9.83	37.4	9.37	34.3	8.44
	3.0	2.2	45.5	10.40	43.6	10.66	40.5	9.91	39.0	9.45	37.4	8.99	34.3	8.12
	5.0	4.1	46.7	10.56	43.6	10.19	40.5	9.35	39.0	8.89	37.4	8.47	34.3	7.65
	7.0	6.0	46.7	10.47	43.6	9.61	40.5	8.77	39.0	8.37	37.4	7.98	34.3	7.23
	9.0	7.9	46.7	9.78	43.6	9.04	40.5	8.25	39.0	7.88	37.4	7.52	34.3	6.82
	11.0	9.8	46.7	9.20	43.6	8.48	40.5	7.77	39.0	7.43	37.4	7.10	34.3	6.45
	12.0	11.0	46.7	8.85	43.6	8.16	40.5	7.49	39.0	7.17	37.4	6.85	34.3	6.23
	13.0	11.8	46.7	8.62	43.6	7.95	40.5	7.30	39.0	6.99	37.4	6.69	34.3	6.08
	15.0	13.7	46.7	8.10	43.6	7.49	40.5	6.90	39.0	6.60	37.4	6.32	34.3	5.75
	18.0	16.8	46.7	7.15	43.6	6.54	40.5	5.94	39.0	5.65	37.4	5.37	34.3	4.80
	20.0	18.5	46.7	6.63	43.6	6.02	40.5	5.42	39.0	5.13	37.4	4.85	34.3	4.28
	24.0	20.5	46.7	6.01	43.6	5.40	40.5	4.81	39.0	4.51	37.4	4.23	34.3	3.66
80%	-19.8	-20.0	26.2	8.50	26.1	8.87	26.0	9.23	26.0	9.41	25.9	9.59	25.9	9.95
	-18.8	-19.0	27.1	8.61	27.0	8.97	26.9	9.32	26.9	9.50	26.8	9.68	26.8	10.04
	-16.7	-17.0	28.6	8.82	28.7	9.14	28.6	9.50	28.6	9.68	28.5	9.86	28.5	10.22
	-13.7	-15.0	30.5	9.05	30.4	9.41	30.3	9.68	30.3	9.86	30.2	10.04	30.2	10.40
	-11.8	-13.0	32.3	9.23	32.2	9.59	32.1	9.95	32.1	10.04	32.0	10.22	30.5	10.57
	-9.8	-11.0	34.0	9.50	33.9	9.77	33.8	10.13	33.8	10.22	33.3	10.39	30.5	10.57
	-9.5	-10.0	34.9	9.59	34.8	9.86	34.7	10.22	34.6	10.30	33.3	10.48	30.5	10.30
	-8.5	-9.1	35.6	9.68	35.5	9.95	35.4	10.31	34.6	10.39	33.3	10.57	30.5	10.02
	-7.0	-7.6	36.9	9.86	36.8	10.13	36.0	10.39	34.6	10.57	33.3	10.67	30.5	9.56
	-5.0	-5.6	38.7	10.04	38.6	10.31	36.0	10.57	34.6	10.48	33.3	10.02	30.5	9.01
	-3.0	-3.7	40.3	10.31	38.7	10.48	36.0	10.39	34.6	9.93	33.3	9.47	30.5	8.50
	0.0	-0.7	41.5	10.57	38.7	10.38	36.0	9.46	34.6	9.00	33.3	8.58	30.5	7.75
	2.0	1.0	41.5	10.40	38.7	9.84	36.0	8.96	34.6	8.54	33.3	8.14	30.5	7.36
	3.0	2.2	41.5	10.29	38.7	9.45	36.0	8.60	34.6	8.21	33.3	7.83	30.5	7.09
	5.0	4.1	41.5	9.62	38.7	8.85	36.0	8.10	34.6	7.74	33.3	7.39	30.5	6.70
	7.0	6.0	41.5	9.06	38.7	8.33	36.0	7.64	34.6	7.31	33.3	6.97	30.5	6.33
	9.0	7.9	41.5	8.51	38.7	7.85	36.0	7.20	34.6	6.90	33.3	6.59	30.5	5.99
	11.0	9.8	41.5	8.01	38.7	7.40	36.0	6.80	34.6	6.52	33.3	6.24	30.5	5.68
	12.0	11.0	41.5	7.72	38.7	7.13	36.0	6.57	34.6	6.30	33.3	6.03	30.5	5.49
	13.0	11.8	41.5	7.53	38.7	6.96	36.0	6.41	34.6	6.15	33.3	5.88	30.5	5.37
	15.0	13.7	41.5	7.09	38.7	6.58	36.0	6.07	34.6	5.82	33.3	5.57	30.5	5.09
	18.0	16.8	41.5	6.14	38.7	5.62	36.0	5.12	34.6	4.86	33.3	4.62	30.5	4.14
	20.0	18.5	41.5	5.61	38.7	5.10	36.0	4.59	34.6	4.34	33.3	4.09	30.5	3.61
	24.0	20.5	41.5	5.00	38.7	4.48	36.0	3.98	34.6	3.72	33.3	3.48	30.5	3.00

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Outdoor air temp.(°C)		Indoor air temp. (°CDB)											
			16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-19.8	-20.0	26.0	9.23	26.0	9.50	25.9	9.86	25.9	10.04	25.8	10.13	25.8	10.49
	-18.8	-19.0	26.9	9.32	26.9	9.59	25.8	9.95	26.8	10.04	26.7	10.22	26.7	10.58
	-16.7	-17.0	28.6	9.50	28.6	9.77	28.5	10.13	28.5	10.22	28.4	10.40	26.7	10.67
	-13.7	-15.0	30.3	9.68	30.3	9.95	30.2	10.22	30.2	10.40	29.1	10.57	26.7	10.12
	-11.8	-13.0	32.1	9.86	32.1	10.13	31.5	10.39	30.3	10.57	29.1	10.57	26.7	9.57
	-9.8	-11.0	33.8	10.04	33.8	10.31	31.5	10.57	30.3	10.57	29.1	10.02	26.7	9.02
	-9.5	-10.0	34.7	10.13	33.9	10.39	31.5	10.67	30.3	10.21	29.1	9.75	26.7	8.77
	-8.5	-9.1	35.4	10.22	33.9	10.48	31.5	10.48	30.3	9.93	29.1	9.47	26.7	8.54
	-7.0	-7.6	36.3	10.39	33.9	10.67	31.5	9.93	30.3	9.47	29.1	9.02	26.7	8.17
	-5.0	-5.6	36.3	10.57	33.9	10.30	31.5	9.38	30.3	8.92	29.1	8.52	26.7	7.71
	-3.0	-3.7	36.3	10.48	33.9	9.65	31.5	8.83	30.3	8.43	29.1	8.04	26.7	7.28
	0.0	-0.7	36.3	9.55	33.9	8.79	31.5	8.05	30.3	7.70	29.1	7.35	26.7	6.66
	2.0	1.0	36.3	9.05	33.9	8.34	31.5	7.65	30.3	7.32	29.1	6.99	26.7	6.35
	3.0	2.2	36.3	8.70	33.9	8.02	31.5	7.37	30.3	7.05	29.1	6.73	26.7	6.13
	5.0	4.1	36.3	8.19	33.9	7.57	31.5	6.96	30.3	6.66	29.1	6.37	26.7	5.80
	7.0	6.0	36.3	7.73	33.9	7.14	31.5	6.57	30.3	6.30	29.1	6.02	26.7	5.50
	9.0	7.9	36.3	7.28	33.9	6.74	31.5	6.21	30.3	5.96	29.1	5.71	26.7	5.20
	11.0	9.8	36.3	6.87	33.9	6.38	31.5	5.88	30.3	5.64	29.1	5.41	26.7	4.94
	12.0	11.0	36.3	6.64	33.9	6.16	31.5	5.69	30.3	5.46	29.1	5.23	26.7	4.78
	13.0	11.8	36.3	6.48	33.9	6.02	31.5	5.56	30.3	5.33	29.1	5.11	26.7	4.68
	15.0	13.7	36.3	6.13	33.9	5.69	31.5	5.27	30.3	5.06	29.1	4.86	26.7	4.45
	18.0	16.8	36.3	5.18	33.9	4.74	31.5	4.32	30.3	4.11	29.1	3.90	26.7	3.50
	20.0	18.5	36.3	4.65	33.9	4.22	31.5	3.80	30.3	3.59	29.1	3.38	26.7	2.98
	24.0	20.5	36.3	4.04	33.9	3.60	31.5	3.18	30.3	2.97	29.1	2.76	26.7	2.36
60%	-19.8	-20.0	25.9	9.86	25.8	10.13	25.8	10.40	25.7	10.58	24.9	10.48	22.9	9.48
	-18.8	-19.0	26.8	9.95	26.7	10.22	26.7	10.49	26.0	10.67	24.9	10.30	22.9	9.30
	-16.7	-17.0	28.5	10.13	28.4	10.40	27.0	10.67	26.0	10.30	24.9	9.75	22.9	8.83
	-13.7	-15.0	30.2	10.31	29.1	10.57	27.0	10.21	26.0	9.75	24.9	9.30	22.9	8.39
	-11.8	-13.0	31.1	10.48	29.1	10.57	27.0	9.66	26.0	9.21	24.9	8.81	22.9	7.96
	-9.8	-11.0	31.1	10.67	29.1	10.02	27.0	9.20	26.0	8.74	24.9	8.33	22.9	7.54
	-9.5	-10.0	31.1	10.57	29.1	9.75	27.0	8.90	26.0	8.49	24.9	8.10	22.9	7.34
	-8.5	-9.1	31.1	10.30	29.1	9.47	27.0	8.66	26.0	8.27	24.9	7.89	22.9	7.15
	-7.0	-7.6	31.1	9.84	29.1	9.02	27.0	8.30	26.0	7.93	24.9	7.57	22.9	6.85
	-5.0	-5.6	31.1	9.29	29.1	8.52	27.0	7.31	26.0	7.47	24.9	7.14	22.9	6.48
	-3.0	-3.7	31.1	8.73	29.1	8.04	27.0	7.38	26.0	7.07	24.9	6.75	22.9	6.14
	0.0	-0.7	31.1	7.95	29.1	7.35	27.0	6.76	26.0	6.48	24.9	6.19	22.9	5.63
	2.0	1.0	31.1	7.55	29.1	6.99	27.0	6.44	26.0	6.17	24.9	5.90	22.9	5.38
	3.0	2.2	31.1	7.27	29.1	6.73	27.0	6.21	26.0	5.95	24.9	5.70	22.9	5.20
	5.0	4.1	31.1	6.87	29.1	6.37	27.0	5.88	26.0	5.64	24.9	5.40	22.9	4.93
	7.0	6.0	31.1	6.49	29.1	6.02	27.0	5.57	26.0	5.34	24.9	5.12	22.9	4.69
	9.0	7.9	31.1	6.14	29.1	5.71	27.0	5.27	26.0	5.07	24.9	4.86	22.9	4.45
	11.0	9.8	31.1	5.81	29.1	5.41	27.0	5.01	26.0	4.81	24.9	4.62	22.9	4.24
	12.0	11.0	31.1	5.62	29.1	5.23	27.0	4.85	26.0	4.66	24.9	4.48	22.9	4.11
	13.0	11.8	31.1	5.50	29.1	5.11	27.0	4.74	26.0	4.56	24.9	4.38	22.9	4.02
	15.0	13.7	31.1	5.21	29.1	4.86	27.0	4.51	26.0	4.34	24.9	4.17	22.9	3.84
	18.0	16.8	31.1	4.26	29.1	3.90	27.0	3.56	26.0	3.39	24.9	3.22	22.9	2.89
	20.0	18.5	31.1	3.74	29.1	3.38	27.0	3.04	26.0	2.86	24.9	2.70	22.9	2.37
	24.0	20.5	31.1	3.12	29.1	2.76	27.0	2.42	26.0	2.25	24.9	2.08	22.9	1.75

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Outdoor air temp.(°C)		Indoor air temp. (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-19.8	-20.0	25.7	10.58	24.2	10.21	22.5	9.30	21.6	8.88	20.8	8.46	19.1	7.65
	-18.8	-19.0	25.9	10.67	24.2	9.94	22.5	9.12	21.6	8.68	20.8	8.28	19.1	7.48
	-16.7	-17.0	25.9	10.30	24.2	9.48	22.5	8.67	21.6	8.28	20.8	7.90	19.1	7.16
	-13.7	-15.0	25.9	9.75	24.2	9.03	22.5	8.24	21.6	7.88	20.8	7.52	19.1	6.82
	-11.8	-13.0	25.9	9.21	24.2	8.53	22.5	7.82	21.6	7.48	20.8	7.14	19.1	6.49
	-9.8	-11.0	25.9	8.74	24.2	8.07	22.5	7.41	21.6	7.09	20.8	6.77	19.1	6.16
	-9.5	-10.0	25.9	8.49	24.2	7.84	22.5	7.21	21.6	6.89	20.8	6.59	19.1	6.00
	-8.5	-9.1	25.9	8.27	24.2	7.64	22.5	7.03	21.6	6.73	20.8	6.43	19.1	5.85
	-7.0	-7.6	25.9	7.93	24.2	7.32	22.5	6.74	21.6	6.46	20.8	6.17	19.1	5.62
	-5.0	-5.6	25.9	7.47	24.2	6.91	22.5	6.37	21.6	6.10	20.8	5.84	19.1	5.33
	-3.0	-3.7	25.9	7.07	24.2	6.55	22.5	6.04	21.6	5.79	20.8	5.54	19.1	5.06
	0.0	-0.7	25.9	6.48	24.2	6.00	22.5	5.55	21.6	5.32	20.8	5.11	19.1	4.67
	2.0	1.0	25.9	6.17	24.2	5.72	22.5	5.29	21.6	5.08	20.8	4.88	19.1	4.47
	3.0	2.2	25.9	5.95	24.2	5.53	22.5	5.12	21.6	4.91	20.8	4.72	19.1	4.33
	5.0	4.1	25.9	5.64	24.2	5.25	22.5	4.85	21.6	4.67	20.8	4.48	19.1	4.12
	7.0	6.0	25.9	5.34	24.2	4.97	22.5	4.62	21.6	4.44	20.8	4.26	19.1	3.92
	9.0	7.9	25.9	5.07	24.2	4.73	22.5	4.39	21.6	4.22	20.8	4.06	19.1	3.74
	11.0	9.8	25.9	4.81	24.2	4.49	22.5	4.18	21.6	4.02	20.8	3.87	19.1	3.57
	12.0	11.0	25.9	4.66	24.2	4.35	22.5	4.06	21.6	3.90	20.8	3.76	19.1	3.47
	13.0	11.8	25.9	4.56	24.2	4.26	22.5	3.97	21.6	3.82	20.8	3.68	19.1	3.40
	15.0	13.7	25.9	4.34	24.2	4.06	22.5	3.79	21.6	3.65	20.8	3.52	19.1	3.25
	18.0	16.8	25.9	3.39	24.2	3.11	22.5	2.84	21.6	2.70	20.8	2.57	19.1	2.29
	20.0	18.5	25.9	2.86	24.2	2.58	22.5	2.31	21.6	2.17	20.8	2.04	19.1	1.77
	24.0	20.5	25.9	2.25	24.2	1.97	22.5	1.70	21.6	1.56	20.8	1.43	19.1	1.16

GMV-450WML/A-X

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Cooling capacity ratio	Outdoor air temp. (°C)		Indoor air temp. (°CDB)											
			16		18		20		22		24		26	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
135%	-19.8	-20.0	30.0	5.92	29.9	6.62	29.8	7.32	29.7	7.67	29.6	8.03	29.5	8.72
	-18.8	-19.0	30.9	6.12	30.8	6.80	30.7	7.50	30.6	7.84	30.5	8.18	30.4	8.87
	-16.7	-17.0	32.8	6.53	32.7	7.19	32.6	7.85	32.5	8.18	32.4	8.51	32.3	9.21
	-13.7	-15.0	34.7	6.95	34.6	7.58	34.5	8.22	34.4	8.53	34.3	8.85	34.2	9.49
	-11.8	-13.0	36.6	7.37	36.5	7.98	36.4	8.58	36.3	8.88	36.2	9.21	36.1	9.76
	-9.8	-11.0	38.5	7.79	38.4	8.37	38.3	8.95	38.2	9.21	38.1	9.49	38.0	10.12
	-9.5	-10.0	39.5	8.00	39.4	8.56	39.3	9.12	39.2	9.39	39.1	9.67	39.0	10.22
	-8.5	-9.1	40.3	8.19	40.2	8.74	40.1	9.30	40.0	9.58	39.9	9.85	39.8	10.40
	-7.0	-7.6	41.2	8.49	41.7	9.02	41.6	9.58	41.5	9.85	41.4	10.12	41.3	10.58
	-5.0	-5.6	43.7	8.88	43.6	9.39	43.5	9.85	43.4	10.12	43.3	10.40	43.2	10.95
	-3.0	-3.7	45.5	9.21	45.4	9.76	45.3	10.22	45.2	10.49	45.1	10.67	45.0	11.13
	0.0	-0.7	48.3	9.76	48.2	10.22	48.1	10.67	48.0	10.95	47.9	11.13	47.8	11.58
	2.0	1.0	49.9	10.08	49.8	10.48	49.7	10.94	49.6	11.16	49.5	11.34	49.4	11.80
	3.0	2.2	51.1	10.31	51.0	10.67	50.9	11.13	50.8	11.31	50.7	11.49	50.6	11.95
	5.0	4.1	52.9	10.58	52.8	10.95	52.7	11.40	52.6	11.58	52.5	11.77	52.4	12.13
	7.0	6.0	54.7	10.85	54.6	11.22	54.5	11.58	54.4	11.86	54.3	12.04	54.2	12.40
	9.0	7.9	56.5	11.13	56.4	11.49	56.3	11.86	56.2	12.04	56.1	12.22	56.0	12.31
	11.0	9.8	58.3	11.40	58.2	11.77	58.1	12.13	58.0	12.22	57.9	12.40	57.2	11.47
	12.0	11.0	59.4	11.57	59.3	11.88	59.2	12.24	59.1	12.39	59.0	12.24	57.2	11.04
	13.0	11.8	60.2	11.68	60.1	11.95	60.0	12.31	59.9	12.50	59.8	12.13	57.2	10.75
	15.0	13.7	62.0	11.86	61.9	12.22	61.8	12.50	61.7	12.04	61.6	11.49	57.2	10.03
	18.0	16.8	64.9	12.16	64.8	12.67	64.7	12.79	64.6	11.30	62.4	10.32	57.2	8.85
	20.0	18.5	66.6	12.32	66.5	12.91	66.4	12.96	64.9	10.65	62.4	9.67	57.2	8.21
	24.0	20.5	68.5	12.51	68.4	13.20	67.5	12.20	64.9	9.89	62.4	8.92	57.2	7.45
120%	-19.8	-20.0	29.9	6.73	29.7	7.38	29.6	8.03	29.6	8.35	29.5	8.67	29.4	9.30
	-18.8	-19.0	30.8	6.91	30.6	7.55	30.5	8.18	30.5	8.50	30.4	8.82	30.3	9.49
	-16.7	-17.0	32.7	7.30	32.5	7.90	32.4	8.51	32.4	8.81	32.3	9.12	32.2	9.76
	-13.7	-15.0	34.6	7.68	34.4	8.26	34.3	8.85	34.3	9.12	34.2	9.39	34.1	10.03
	-11.8	-13.0	36.5	8.07	36.3	8.63	36.2	9.21	36.2	9.49	36.1	9.76	36.0	10.31
	-9.8	-11.0	38.4	8.46	38.2	8.99	38.1	9.49	38.1	9.76	38.0	10.03	37.9	10.58
	-9.5	-10.0	39.4	8.65	39.2	9.21	39.1	9.67	39.1	9.94	39.0	10.22	38.9	10.76
	-8.5	-9.1	40.2	8.82	40.0	9.30	39.9	9.85	39.9	10.12	39.8	10.31	39.7	10.85
	-7.0	-7.6	41.7	9.10	41.5	9.58	41.4	10.12	41.4	10.31	41.3	10.58	41.2	11.04
	-5.0	-5.6	43.6	9.49	43.4	9.94	43.3	10.40	43.3	10.67	43.2	10.85	43.1	11.31
	-3.0	-3.7	45.4	9.85	45.2	10.22	45.1	10.67	45.1	10.95	45.0	11.13	44.9	11.58
	0.0	-0.7	48.2	10.31	48.0	10.76	47.9	11.13	47.9	11.31	47.8	11.58	47.7	11.95
	2.0	1.0	49.8	10.57	49.6	10.98	49.5	11.34	49.5	11.52	49.4	11.80	49.3	12.16
	3.0	2.2	51.0	10.76	50.8	11.13	50.7	11.49	50.7	11.68	50.6	11.95	50.5	12.31
	5.0	4.1	52.8	11.04	52.6	11.40	52.5	11.77	52.5	11.95	52.4	12.13	50.8	12.50
	7.0	6.0	54.6	11.31	54.4	11.68	54.3	12.04	54.3	12.13	54.2	12.31	50.8	11.81
	9.0	7.9	56.4	11.58	56.2	11.86	56.1	12.22	56.1	12.40	55.4	12.39	50.8	11.11
	11.0	9.8	58.2	11.77	58.0	12.13	57.9	12.40	57.6	12.28	55.4	11.67	50.8	10.42
	12.0	11.0	59.3	11.93	59.1	12.24	59.0	12.24	57.6	11.76	55.4	11.17	50.8	10.01
	13.0	11.8	60.1	12.04	59.9	12.31	59.8	12.13	57.6	11.41	55.4	10.84	50.8	9.73
	15.0	13.7	61.9	12.22	61.7	12.50	60.0	11.18	57.6	10.65	55.4	10.12	50.8	9.14
	18.0	16.8	64.8	12.52	64.6	11.32	60.0	10.01	57.6	9.48	55.4	8.94	50.8	7.97
	20.0	18.5	66.5	12.68	64.6	10.68	60.0	9.36	57.6	8.83	55.4	8.30	50.8	7.32
	24.0	20.5	68.4	12.88	64.6	9.92	60.0	8.61	57.6	8.07	55.4	7.54	50.8	6.57

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Indoor air temp. (°C)		Indoor air temp.(°CDB)											
			16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-19.8	-20.0	29.7	7.54	29.6	8.13	29.5	8.72	29.4	9.02	29.4	9.30	29.2	9.94
	-18.8	-19.0	30.6	7.71	30.5	8.29	30.4	8.87	30.3	9.12	30.3	9.49	30.1	10.03
	-16.7	-17.0	32.5	8.05	32.4	8.61	32.3	9.21	32.2	9.49	32.2	9.76	32.0	10.31
	-13.7	-15.0	34.4	8.41	34.3	8.95	34.2	9.49	34.1	9.76	34.1	10.03	33.9	10.58
	-11.8	-13.0	36.3	8.77	36.2	9.30	36.1	9.76	36.0	10.03	36.0	10.31	35.8	10.85
	-9.8	-11.0	38.2	9.12	38.1	9.58	38.0	10.12	37.9	10.31	37.9	10.58	37.7	11.04
	-9.5	-10.0	39.2	9.30	39.1	9.76	39.0	10.22	38.9	10.49	38.9	10.76	38.7	11.22
	-8.5	-9.1	40.0	9.49	39.9	9.94	39.8	10.40	39.7	10.58	39.7	10.85	39.5	11.31
	-7.0	-7.6	41.5	9.76	41.4	10.12	41.3	10.58	41.2	10.85	41.2	11.04	41.0	11.49
	-5.0	-5.6	43.4	10.03	43.3	10.49	43.2	10.95	43.1	11.13	43.1	11.31	42.9	11.77
	-3.0	-3.7	45.2	10.40	45.1	10.76	45.0	11.13	44.9	11.40	44.9	11.58	44.7	11.95
	0.0	-0.7	48.0	10.85	47.9	11.22	47.8	11.58	47.7	11.77	47.7	11.95	46.6	12.30
	2.0	1.0	49.6	11.07	49.5	11.43	49.4	11.80	49.3	11.98	49.3	12.16	46.6	12.13
	3.0	2.2	50.8	11.22	50.7	11.58	50.6	11.95	50.5	12.13	50.5	12.31	46.6	12.01
	5.0	4.1	52.6	11.49	52.5	11.86	52.4	12.13	52.3	12.31	50.8	12.50	46.6	11.34
	7.0	6.0	54.4	11.77	54.3	12.04	54.2	12.40	52.8	12.50	50.8	11.81	46.6	10.66
	9.0	7.9	56.2	11.95	56.1	12.31	55.0	12.29	52.8	11.69	50.8	11.11	46.6	9.99
	11.0	9.8	58.0	12.22	57.9	12.50	55.0	11.47	52.8	10.99	50.8	10.42	46.6	9.41
	12.0	11.0	59.1	12.33	58.7	12.08	55.0	11.04	52.8	10.57	50.8	10.01	46.6	9.05
	13.0	11.8	59.9	12.40	59.2	11.81	55.0	10.75	52.8	10.29	50.8	9.73	46.6	8.82
	15.0	13.7	61.7	12.22	59.2	11.01	55.0	10.03	52.8	9.59	50.8	9.14	46.6	8.32
	18.0	16.8	63.4	11.05	59.2	9.83	55.0	8.85	52.8	8.41	50.8	7.97	46.6	7.14
	20.0	18.5	63.4	10.40	59.2	9.19	55.0	8.21	52.8	7.77	50.8	7.32	46.6	6.50
	24.0	20.5	63.4	9.65	59.2	8.43	55.0	7.45	52.8	7.01	50.8	6.57	46.6	5.74
100%	-19.8	-20.0	29.6	8.26	29.4	8.72	29.3	9.14	29.3	9.48	29.2	9.82	29.1	10.49
	-18.8	-19.0	30.5	8.42	30.3	8.86	30.2	9.33	30.2	9.66	30.1	10.00	30.0	10.58
	-16.7	-17.0	32.4	8.73	32.2	9.14	32.1	9.60	32.1	9.94	32.0	10.18	31.9	10.85
	-13.7	-15.0	34.3	9.04	34.1	9.50	34.0	9.87	34.0	10.21	33.9	10.46	33.8	11.13
	-11.8	-13.0	36.2	9.40	36.0	9.77	35.9	10.15	35.9	10.39	35.8	10.73	35.7	11.31
	-9.8	-11.0	38.1	9.68	37.9	10.05	37.8	10.42	37.8	10.67	37.7	11.00	37.6	11.58
	-9.5	-10.0	39.1	9.86	38.9	10.23	38.8	10.60	38.8	10.85	38.7	11.09	38.6	11.68
	-8.5	-9.1	39.9	10.04	39.7	10.32	39.6	10.69	39.5	10.94	39.5	11.28	39.4	11.77
	-7.0	-7.6	41.4	10.22	41.2	10.60	41.1	10.88	41.1	11.12	41.0	11.46	40.9	11.95
	-5.0	-5.6	43.3	10.59	43.1	10.87	43.0	11.15	43.0	11.40	42.9	11.64	42.4	12.21
	-3.0	-3.7	45.1	10.86	44.9	11.14	44.8	11.42	44.8	11.67	44.7	11.91	42.4	12.40
	0.0	-0.7	47.9	11.23	47.7	11.51	47.6	11.79	47.6	12.03	46.2	12.27	42.4	11.73
	2.0	1.0	49.5	11.44	49.3	11.72	49.0	11.94	47.9	12.19	46.2	11.99	42.4	11.12
	3.0	2.2	50.7	11.59	50.5	11.87	50.0	12.05	48.1	12.31	46.2	11.79	42.4	10.69
	5.0	4.1	52.5	11.87	52.3	12.05	50.0	12.15	48.1	11.63	46.2	11.02	42.4	10.02
	7.0	6.0	54.3	12.05	53.8	12.33	50.0	11.36	48.1	10.85	46.2	10.35	42.4	9.45
	9.0	7.9	56.1	12.32	53.8	11.82	50.0	10.67	48.1	10.17	46.2	9.77	42.4	8.93
	11.0	9.8	57.6	12.20	53.8	11.01	50.0	9.98	48.1	9.59	46.2	9.19	42.4	8.42
	12.0	11.0	57.6	11.67	53.8	10.58	50.0	9.57	48.1	9.24	46.2	8.84	42.4	8.12
	13.0	11.8	57.6	11.33	53.8	10.29	50.0	9.29	48.1	9.00	46.2	8.61	42.4	7.92
	15.0	13.7	57.6	10.57	53.8	9.68	50.0	8.80	48.1	8.44	46.2	8.11	42.4	7.49
	18.0	16.8	57.6	9.39	53.8	8.51	50.0	7.63	48.1	7.26	46.2	6.94	42.4	6.32
	20.0	18.5	57.6	8.75	53.8	7.87	50.0	6.98	48.1	6.62	46.2	6.29	42.4	5.67
	24.0	20.5	57.6	7.99	53.8	7.11	50.0	6.23	48.1	5.86	46.2	5.54	42.4	4.92

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Indoor air temp. (°C)		Indoor air temp.(°CDB)											
			16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-19.8	-20.0	29.4	9.12	29.3	9.67	29.2	10.12	29.2	10.40	29.1	10.58	29.0	11.13
	-18.8	-19.0	30.3	9.30	30.2	9.76	30.1	10.22	30.1	10.49	30.0	10.76	29.9	11.22
	-16.7	-17.0	32.2	9.58	32.1	10.03	32.0	10.49	32.0	10.76	31.9	10.95	31.8	11.40
	-13.7	-15.0	34.1	9.85	34.0	10.31	33.9	10.76	33.9	10.95	33.8	11.22	33.7	11.58
	-11.8	-13.0	36.0	10.12	35.9	10.58	35.8	11.04	35.8	11.22	35.7	11.40	35.6	11.86
	-9.8	-11.0	37.9	10.49	37.8	10.85	37.7	11.22	37.7	11.49	37.6	11.68	37.5	12.04
	-9.5	-10.0	38.9	10.58	38.8	10.95	38.7	11.40	38.7	11.58	38.6	11.77	38.2	12.12
	-8.5	-9.1	39.7	10.76	39.6	11.13	39.5	11.49	39.5	11.68	39.4	11.86	38.2	12.21
	-7.0	-7.6	41.2	10.95	41.1	11.31	41.0	11.68	41.0	11.86	40.9	12.04	38.2	12.40
	-5.0	-5.6	43.1	11.22	43.0	11.58	42.9	11.95	42.9	12.13	41.6	12.21	38.2	12.12
	-3.0	-3.7	44.9	11.49	44.8	11.77	44.7	12.13	43.3	12.31	41.6	12.50	38.2	11.37
	0.0	-0.7	47.7	11.86	47.6	12.13	45.0	12.50	43.3	12.11	41.6	11.45	38.2	10.33
	2.0	1.0	49.3	12.07	48.1	12.35	45.0	11.93	43.3	11.44	41.6	10.89	38.2	9.83
	3.0	2.2	50.5	12.22	48.4	12.50	45.0	11.54	43.3	10.97	41.6	10.50	38.2	9.48
	5.0	4.1	51.8	12.40	48.4	11.91	45.0	10.86	43.3	10.30	41.6	9.84	38.2	8.90
	7.0	6.0	51.8	12.20	48.4	11.13	45.0	10.19	43.3	9.73	41.6	9.27	38.2	8.39
	9.0	7.9	51.8	11.40	48.4	10.45	45.0	9.62	43.3	9.16	41.6	8.75	38.2	7.93
	11.0	9.8	51.8	10.70	48.4	9.87	45.0	9.04	43.3	8.64	41.6	8.24	38.2	7.48
	12.0	11.0	51.8	10.28	48.4	9.51	45.0	8.71	43.3	8.33	41.6	7.96	38.2	7.23
	13.0	11.8	51.8	10.01	48.4	9.28	45.0	8.49	43.3	8.13	41.6	7.77	38.2	7.06
	15.0	13.7	51.8	9.41	48.4	8.71	45.0	8.01	43.3	7.68	41.6	7.34	38.2	6.68
	18.0	16.8	51.8	8.23	48.4	7.53	45.0	6.84	43.3	6.50	41.6	6.17	38.2	5.51
	20.0	18.5	51.8	7.59	48.4	6.89	45.0	6.20	43.3	5.86	41.6	5.52	38.2	4.86
	24.0	20.5	51.8	6.83	48.4	6.13	45.0	5.44	43.3	5.10	41.6	4.76	38.2	4.11
80%	-19.8	-20.0	29.2	9.94	29.2	10.40	29.1	10.85	29.0	11.04	29.0	11.22	28.9	11.68
	-18.8	-19.0	30.1	10.12	30.1	10.49	30.0	10.95	29.9	11.13	29.9	11.31	29.8	11.77
	-16.7	-17.0	32.0	10.31	32.0	10.76	31.9	11.13	31.8	11.31	31.8	11.58	31.7	11.95
	-13.7	-15.0	33.9	10.58	33.9	10.95	33.8	11.40	33.7	11.58	33.7	11.77	33.6	12.13
	-11.8	-13.0	35.8	10.85	35.8	11.22	35.7	11.58	35.6	11.77	35.6	11.95	33.9	12.31
	-9.8	-11.0	37.7	11.13	37.7	11.49	37.6	11.86	37.5	12.04	37.0	12.21	33.9	12.31
	-9.5	-10.0	38.7	11.22	38.7	11.58	38.6	11.95	38.5	12.13	37.0	12.31	33.9	11.93
	-8.5	-9.1	39.5	11.40	39.5	11.68	39.4	12.04	38.5	12.21	37.0	12.40	33.9	11.65
	-7.0	-7.6	41.0	11.58	41.0	11.86	40.0	12.21	38.5	12.40	37.0	12.40	33.9	11.09
	-5.0	-5.6	42.9	11.77	42.9	12.13	40.0	12.40	38.5	12.21	37.0	11.65	33.9	10.44
	-3.0	-3.7	44.7	12.04	43.0	12.31	40.0	12.12	38.5	11.55	37.0	10.99	33.9	9.88
	0.0	-0.7	46.1	12.40	43.0	12.02	40.0	10.98	38.5	10.42	37.0	9.96	33.9	9.01
	2.0	1.0	46.1	12.12	43.0	11.40	40.0	10.43	38.5	9.92	37.0	9.46	33.9	8.56
	3.0	2.2	46.1	11.92	43.0	10.97	40.0	10.04	38.5	9.57	37.0	9.11	33.9	8.25
	5.0	4.1	46.1	11.15	43.0	10.30	40.0	9.37	38.5	9.00	37.0	8.59	33.9	7.79
	7.0	6.0	46.1	10.47	43.0	9.64	40.0	8.88	38.5	8.49	37.0	8.11	33.9	7.36
	9.0	7.9	46.1	9.89	43.0	9.16	40.0	8.37	38.5	8.01	37.0	7.65	33.9	6.97
	11.0	9.8	46.1	9.32	43.0	8.60	40.0	7.91	38.5	7.57	37.0	7.24	33.9	6.59
	12.0	11.0	46.1	8.97	43.0	8.29	40.0	7.64	38.5	7.31	37.0	7.00	33.9	6.38
	13.0	11.8	46.1	8.74	43.0	8.08	40.0	7.45	38.5	7.14	37.0	6.84	33.9	6.24
	15.0	13.7	46.1	8.24	43.0	7.63	40.0	7.05	38.5	6.76	37.0	6.47	33.9	5.92
	18.0	16.8	46.1	7.06	43.0	6.46	40.0	5.87	38.5	5.59	37.0	5.30	33.9	4.75
	20.0	18.5	46.1	6.42	43.0	5.81	40.0	5.23	38.5	4.94	37.0	4.65	33.9	4.10
	24.0	20.5	46.1	5.66	43.0	5.06	40.0	4.47	38.5	4.19	37.0	3.89	33.9	3.34

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Outdoor air temp. (°C)		Indoor air temp. (°CDB)											
			16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-19.8	-20.0	29.1	10.76	29.0	11.13	28.9	11.49	28.9	11.68	28.9	11.86	28.8	12.31
	-18.8	-19.0	30.0	10.85	29.9	11.22	29.8	11.58	29.8	11.77	29.8	11.95	29.7	12.31
	-16.7	-17.0	31.9	11.13	31.8	11.49	31.7	11.77	31.7	11.95	31.7	12.13	29.7	12.40
	-13.7	-15.0	33.8	11.31	33.7	11.68	33.6	12.04	33.6	12.22	32.3	12.31	29.7	11.75
	-11.8	-13.0	35.7	11.58	35.6	11.86	35.0	12.21	33.7	12.40	32.3	12.31	29.7	11.10
	-9.8	-11.0	37.6	11.77	37.5	12.13	35.0	12.40	33.7	12.22	32.3	11.66	29.7	10.45
	-9.5	-10.0	38.6	11.86	37.7	12.21	35.0	12.50	33.7	11.84	32.3	11.28	29.7	10.17
	-8.5	-9.1	39.4	12.04	37.7	12.31	35.0	12.12	33.7	11.56	32.3	11.00	29.7	9.89
	-7.0	-7.6	40.3	12.12	37.7	12.40	35.0	11.56	33.7	11.09	32.3	10.54	29.7	9.52
	-5.0	-5.6	40.3	12.40	37.7	11.93	35.0	10.90	33.7	10.44	32.3	9.88	29.7	8.95
	-3.0	-3.7	40.3	12.21	37.7	11.27	35.0	10.25	33.7	9.78	32.3	9.32	29.7	8.46
	0.0	-0.7	40.3	11.08	37.7	10.24	35.0	9.40	33.7	8.94	32.3	8.54	29.7	7.74
	2.0	1.0	40.3	10.52	37.7	9.68	35.0	8.91	33.7	8.50	32.3	8.12	29.7	7.37
	3.0	2.2	40.3	10.13	37.7	9.30	35.0	8.56	33.7	8.19	32.3	7.83	29.7	7.11
	5.0	4.1	40.3	9.56	37.7	8.80	35.0	8.08	33.7	7.74	32.3	7.40	29.7	6.74
	7.0	6.0	40.3	8.97	37.7	8.30	35.0	7.64	33.7	7.31	32.3	7.00	29.7	6.38
	9.0	7.9	40.3	8.46	37.7	7.84	35.0	7.22	33.7	6.92	32.3	6.62	29.7	6.05
	11.0	9.8	40.3	7.99	37.7	7.40	35.0	6.84	33.7	6.56	32.3	6.28	29.7	5.74
	12.0	11.0	40.3	7.71	37.7	7.15	35.0	6.61	33.7	6.34	32.3	6.08	29.7	5.56
	13.0	11.8	40.3	7.52	37.7	6.99	35.0	6.45	33.7	6.19	32.3	5.94	29.7	5.44
	15.0	13.7	40.3	7.12	37.7	6.61	35.0	6.12	33.7	5.88	32.3	5.64	29.7	5.17
	18.0	16.8	40.3	5.94	37.7	5.44	35.0	4.95	33.7	4.71	32.3	4.47	29.7	4.00
	20.0	18.5	40.3	5.30	37.7	4.79	35.0	4.31	33.7	4.07	32.3	3.83	29.7	3.36
	24.0	20.5	40.3	4.54	37.7	4.04	35.0	3.55	33.7	3.31	32.3	3.07	29.7	2.60
60%	-19.8	-20.0	28.9	11.58	28.9	11.86	28.8	12.22	28.8	12.40	27.7	12.22	25.4	11.01
	-18.8	-19.0	29.8	11.68	29.8	11.95	29.7	12.31	28.9	12.50	27.7	11.94	25.4	10.74
	-16.7	-17.0	31.7	11.86	31.7	12.13	30.0	12.50	28.9	11.94	27.7	11.38	25.4	10.27
	-13.7	-15.0	33.6	12.04	32.3	12.31	30.0	11.94	28.9	11.38	27.7	10.82	25.4	9.72
	-11.8	-13.0	34.6	12.22	32.3	12.31	30.0	11.29	28.9	10.73	27.7	10.27	25.4	9.25
	-9.8	-11.0	34.6	12.40	32.3	11.66	30.0	10.63	28.9	10.17	27.7	9.71	25.4	8.76
	-9.5	-10.0	34.6	12.31	32.3	11.28	30.0	10.36	28.9	9.89	27.7	9.43	25.4	8.52
	-8.5	-9.1	34.6	11.93	32.3	11.00	30.0	10.08	28.9	9.61	27.7	9.15	25.4	8.31
	-7.0	-7.6	34.6	11.47	32.3	10.54	30.0	9.61	28.9	9.24	27.7	8.79	25.4	7.97
	-5.0	-5.6	34.6	10.72	32.3	9.88	30.0	9.05	28.9	8.68	27.7	8.30	25.4	7.53
	-3.0	-3.7	34.6	10.15	32.3	9.32	30.0	8.59	28.9	8.21	27.7	7.84	25.4	7.13
	0.0	-0.7	34.6	9.22	32.3	8.54	30.0	7.85	28.9	7.52	27.7	7.19	25.4	6.55
	2.0	1.0	34.6	8.77	32.3	8.12	30.0	7.48	28.9	7.17	27.7	6.86	25.4	6.25
	3.0	2.2	34.6	8.46	32.3	7.83	30.0	7.22	28.9	6.92	27.7	6.62	25.4	6.04
	5.0	4.1	34.6	7.98	32.3	7.40	30.0	6.83	28.9	6.55	27.7	6.28	25.4	5.73
	7.0	6.0	34.6	7.54	32.3	7.00	30.0	6.46	28.9	6.20	27.7	5.95	25.4	5.45
	9.0	7.9	34.6	7.14	32.3	6.62	30.0	6.13	28.9	5.89	27.7	5.64	25.4	5.18
	11.0	9.8	34.6	6.76	32.3	6.28	30.0	5.81	28.9	5.59	27.7	5.37	25.4	4.93
	12.0	11.0	34.6	6.53	32.3	6.08	30.0	5.63	28.9	5.42	27.7	5.20	25.4	4.78
	13.0	11.8	34.6	6.38	32.3	5.94	30.0	5.51	28.9	5.30	27.7	5.09	25.4	4.68
	15.0	13.7	34.6	6.05	32.3	5.64	30.0	5.24	28.9	5.04	27.7	4.85	25.4	4.46
	18.0	16.8	34.6	4.88	32.3	4.47	30.0	4.06	28.9	3.87	27.7	3.67	25.4	3.29
	20.0	18.5	34.6	4.23	32.3	3.83	30.0	3.42	28.9	3.22	27.7	3.03	25.4	2.65
	24.0	20.5	34.6	3.48	32.3	3.07	30.0	2.66	28.9	2.47	27.7	2.27	25.4	1.89

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Outdoor air temp. (°C)		Indoor air temp.(°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-19.8	-20.0	28.8	12.40	26.9	11.85	25.0	10.83	24.1	10.28	23.1	9.81	21.2	8.90
	-18.8	-19.0	28.8	12.50	26.9	11.57	25.0	10.55	24.1	10.09	23.1	9.63	21.2	8.70
	-16.7	-17.0	28.8	11.94	26.9	11.01	25.0	10.09	24.1	9.63	23.1	9.17	21.2	8.31
	-13.7	-15.0	28.8	11.38	26.9	10.46	25.0	9.63	24.1	9.16	23.1	8.74	21.2	7.93
	-11.8	-13.0	28.8	10.73	26.9	9.90	25.0	9.07	24.1	8.69	23.1	8.30	21.2	7.54
	-9.8	-11.0	28.8	10.17	26.9	9.34	25.0	8.62	24.1	8.24	23.1	7.87	21.2	7.16
	-9.5	-10.0	28.8	9.89	26.9	9.16	25.0	8.38	24.1	8.02	23.1	7.66	21.2	6.97
	-8.5	-9.1	28.8	9.61	26.9	8.89	25.0	8.17	24.1	7.82	23.1	7.48	21.2	6.81
	-7.0	-7.6	28.8	9.24	26.9	8.52	25.0	7.84	24.1	7.50	23.1	7.18	21.2	6.54
	-5.0	-5.6	28.8	8.68	26.9	8.03	25.0	7.40	24.1	7.09	23.1	6.79	21.2	6.20
	-3.0	-3.7	28.8	8.21	26.9	7.61	25.0	7.01	24.1	6.73	23.1	6.44	21.2	5.89
	0.0	-0.7	28.8	7.52	26.9	6.98	25.0	6.45	24.1	6.19	23.1	5.93	21.2	5.43
	2.0	1.0	28.8	7.17	26.9	6.66	25.0	6.16	24.1	5.91	23.1	5.67	21.2	5.20
	3.0	2.2	28.8	6.92	26.9	6.43	25.0	5.95	24.1	5.71	23.1	5.48	21.2	5.03
	5.0	4.1	28.8	6.55	26.9	6.09	25.0	5.64	24.1	5.43	23.1	5.21	21.2	4.79
	7.0	6.0	28.8	6.20	26.9	5.78	25.0	5.37	24.1	5.16	23.1	4.95	21.2	4.56
	9.0	7.9	28.8	5.89	26.9	5.49	25.0	5.10	24.1	4.91	23.1	4.72	21.2	4.34
	11.0	9.8	28.8	5.59	26.9	5.21	25.0	4.86	24.1	4.67	23.1	4.50	21.2	4.14
	12.0	11.0	28.8	5.42	26.9	5.06	25.0	4.71	24.1	4.53	23.1	4.37	21.2	4.02
	13.0	11.8	28.8	5.30	26.9	4.95	25.0	4.62	24.1	4.45	23.1	4.28	21.2	3.95
	15.0	13.7	28.8	5.04	26.9	4.71	25.0	4.39	24.1	4.24	23.1	4.08	21.2	3.77
	18.0	16.8	28.8	3.87	26.9	3.54	25.0	3.22	24.1	3.07	23.1	2.91	21.2	2.60
	20.0	18.5	28.8	3.22	26.9	2.89	25.0	2.58	24.1	2.42	23.1	2.26	21.2	1.95
	24.0	20.5	28.8	2.47	26.9	2.14	25.0	1.82	24.1	1.67	23.1	1.51	21.2	1.20

GMV-504WML/A-X

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Correction ratio	Outdoor air temp. (°C)		Indoor air temp. (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
135%	-19.8	-20.0	33.8	6.60	33.5	7.40	33.4	8.19	33.3	8.59	33.2	8.98	33.1	9.74
	-18.8	-19.0	34.8	6.83	34.6	7.61	34.5	8.39	34.4	8.78	34.3	9.17	34.2	9.93
	-16.7	-17.0	37.0	7.29	36.8	8.04	36.7	8.80	36.6	9.18	36.5	9.56	36.4	10.30
	-13.7	-15.0	39.2	7.78	38.9	8.50	38.8	9.21	38.7	9.56	38.6	9.93	38.5	10.67
	-11.8	-13.0	41.3	8.26	41.1	8.95	41.0	9.65	40.9	10.02	40.8	10.30	40.7	11.04
	-9.8	-11.0	43.5	8.75	43.3	9.37	43.2	10.02	43.1	10.39	43.0	10.67	42.8	11.41
	-9.5	-10.0	44.5	8.98	44.3	9.65	44.2	10.30	44.1	10.58	44.0	10.95	43.9	11.51
	-8.5	-9.1	45.5	9.20	45.3	9.84	45.2	10.48	45.1	10.76	45.0	11.04	44.9	11.69
	-7.0	-7.6	47.1	9.56	46.9	10.11	46.8	10.76	46.7	11.04	46.6	11.32	46.5	11.97
	-5.0	-5.6	49.3	10.02	49.1	10.58	49.0	11.13	48.9	11.41	48.8	11.69	48.7	12.34
	-3.0	-3.7	51.3	10.39	51.1	10.95	51.0	11.51	50.9	11.78	50.8	12.06	50.7	12.62
	0.0	-0.7	54.6	11.04	54.4	11.60	54.3	12.06	54.2	12.34	54.1	12.62	54.0	13.08
	2.0	1.0	56.4	11.37	56.2	11.87	56.1	12.39	56.0	12.61	55.9	12.89	55.8	13.35
	3.0	2.2	57.7	11.60	57.5	12.06	57.4	12.62	57.3	12.80	57.2	13.08	57.1	13.55
	5.0	4.1	59.8	11.97	59.6	12.43	59.5	12.90	59.4	13.08	59.2	13.36	59.1	13.73
	7.0	6.0	61.8	12.34	61.6	12.71	61.5	13.18	61.4	13.36	61.3	13.64	61.2	14.01
	9.0	7.9	63.9	12.62	63.7	13.08	63.6	13.45	63.5	13.64	63.3	13.83	63.2	14.10
	11.0	9.8	65.9	12.90	65.7	13.36	65.6	13.73	65.5	13.92	65.4	14.10	64.7	13.23
	12.0	11.0	67.2	13.12	67.0	13.53	66.9	13.90	66.8	14.08	66.7	13.99	64.7	12.66
	13.0	11.8	68.1	13.27	67.9	13.64	67.8	14.01	67.7	14.20	67.6	13.92	64.7	12.28
15.0	13.7	70.1	13.55	69.9	13.83	69.8	14.20	69.7	13.83	69.6	13.18	64.7	11.55	
18.0	16.8	73.5	14.00	73.3	14.13	73.2	14.50	73.1	13.22	70.5	11.97	64.7	10.34	
20.0	18.5	75.3	14.25	75.1	14.29	75.0	14.67	73.4	12.56	70.5	11.31	64.7	9.68	
24.0	20.5	77.5	14.54	77.3	14.49	76.3	13.89	73.4	11.78	70.5	10.53	64.7	8.90	
120%	-19.8	-20.0	33.5	7.52	33.4	8.25	33.2	8.98	33.1	9.37	33.1	9.74	32.9	10.48
	-18.8	-19.0	34.6	7.73	34.5	8.45	34.3	9.17	34.2	9.56	34.2	9.93	34.0	10.58
	-16.7	-17.0	36.8	8.17	36.7	8.85	36.5	9.56	36.4	9.93	36.4	10.21	36.2	10.95
	-13.7	-15.0	38.9	8.61	38.8	9.27	38.6	9.93	38.5	10.30	38.5	10.58	38.3	11.23
	-11.8	-13.0	41.1	9.06	41.0	9.65	40.8	10.30	40.7	10.67	40.7	10.95	40.5	11.60
	-9.8	-11.0	43.3	9.46	43.2	10.11	43.0	10.67	42.8	11.04	42.8	11.32	42.6	11.97
	-9.5	-10.0	44.3	9.74	44.2	10.30	44.0	10.95	43.9	11.23	43.9	11.51	43.7	12.06
	-8.5	-9.1	45.3	9.93	45.2	10.48	45.0	11.04	44.9	11.41	44.9	11.69	44.7	12.25
	-7.0	-7.6	46.9	10.21	46.8	10.76	46.6	11.32	46.5	11.60	46.5	11.88	46.3	12.53
	-5.0	-5.6	49.1	10.67	49.0	11.23	48.8	11.69	48.7	11.97	48.7	12.25	48.5	12.80
	-3.0	-3.7	51.1	11.04	51.0	11.60	50.8	12.06	50.7	12.34	50.7	12.62	50.5	13.08
	0.0	-0.7	54.4	11.69	54.3	12.15	54.1	12.62	54.0	12.80	54.0	13.08	53.8	13.55
	2.0	1.0	56.2	11.96	56.1	12.43	55.9	12.89	55.8	13.08	55.8	13.30	55.6	13.76
	3.0	2.2	57.5	12.15	57.4	12.62	57.2	13.08	57.1	13.27	57.1	13.45	56.9	13.92
	5.0	4.1	59.6	12.53	59.5	12.90	59.2	13.36	59.1	13.55	59.1	13.73	57.4	14.19
	7.0	6.0	61.6	12.80	61.5	13.18	61.3	13.64	61.2	13.83	61.2	14.01	57.4	13.58
	9.0	7.9	63.7	13.08	63.6	13.45	63.3	13.83	63.2	14.01	62.6	14.18	57.4	12.67
	11.0	9.8	65.7	13.36	65.6	13.73	65.4	14.10	65.1	14.07	62.6	13.33	57.4	11.97
	12.0	11.0	67.0	13.53	66.9	13.90	66.7	13.99	65.1	13.47	62.6	12.76	57.4	11.48
	13.0	11.8	67.9	13.64	67.8	14.01	67.6	13.92	65.1	13.07	62.6	12.38	57.4	11.16
	15.0	13.7	69.9	13.92	69.8	14.29	67.8	12.81	65.1	12.18	62.6	11.34	57.4	10.55
	18.0	16.8	73.3	14.37	73.0	13.08	67.8	11.60	65.1	10.97	62.6	10.43	57.4	9.35
	20.0	18.5	75.1	14.62	73.0	12.42	67.8	10.94	65.1	10.31	62.6	9.77	57.4	8.69
	24.0	20.5	77.3	14.91	73.0	11.65	67.8	10.17	65.1	9.54	62.6	8.99	57.4	7.91

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Outdoor air temp. (°C)		Indoor air temp. (°CDB)											
			16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-19.8	-20.0	33.3	8.43	33.2	9.11	33.1	9.74	33.0	10.11	32.9	10.48	32.8	11.13
	-18.8	-19.0	34.4	8.63	34.3	9.28	34.2	9.93	34.1	10.30	34.0	10.58	33.9	11.23
	-16.7	-17.0	36.6	9.03	36.5	9.65	36.4	10.30	36.3	10.58	36.2	10.95	36.1	11.60
	-13.7	-15.0	38.7	9.46	38.6	10.02	38.5	10.67	38.4	10.95	38.3	11.23	38.2	11.88
	-11.8	-13.0	40.9	9.84	40.8	10.39	40.7	11.04	40.6	11.32	40.5	11.60	40.4	12.15
	-9.8	-11.0	43.1	10.30	43.0	10.86	42.8	11.41	42.7	11.69	42.6	11.97	42.5	12.53
	-9.5	-10.0	44.1	10.48	44.0	11.04	43.9	11.51	43.8	11.78	43.7	12.06	43.6	12.62
	-8.5	-9.1	45.1	10.67	45.0	11.13	44.9	11.69	44.8	11.97	44.7	12.25	44.6	12.80
	-7.0	-7.6	46.7	10.95	46.6	11.41	46.5	11.97	46.4	12.25	46.3	12.53	46.2	12.99
	-5.0	-5.6	48.3	11.32	48.8	11.78	48.7	12.34	48.6	12.53	48.5	12.80	48.4	13.27
	-3.0	-3.7	50.9	11.69	50.8	12.15	50.7	12.62	50.6	12.90	50.5	13.08	50.4	13.55
	0.0	-0.7	54.2	12.25	54.1	12.62	54.0	13.08	53.9	13.27	53.8	13.55	52.7	13.90
	2.0	1.0	56.0	12.52	55.9	12.89	55.8	13.35	55.7	13.54	55.6	13.76	52.7	13.84
	3.0	2.2	57.3	12.71	57.2	13.08	57.1	13.55	57.0	13.73	56.9	13.92	52.7	13.80
	5.0	4.1	59.4	12.99	59.2	13.36	59.1	13.73	59.0	14.01	57.4	14.19	52.7	12.91
	7.0	6.0	61.4	13.27	61.3	13.64	61.2	14.01	59.7	14.19	57.4	13.58	52.7	12.12
	9.0	7.9	63.5	13.55	63.3	13.92	62.2	14.08	59.7	13.37	57.4	12.67	52.7	11.43
	11.0	9.8	65.5	13.83	65.4	14.20	62.2	13.23	59.7	12.54	57.4	11.97	52.7	10.74
	12.0	11.0	66.8	13.99	66.3	13.83	62.2	12.66	59.7	12.05	57.4	11.48	52.7	10.33
	13.0	11.8	67.7	14.10	66.9	13.59	62.2	12.28	59.7	11.72	57.4	11.16	52.7	10.05
	15.0	13.7	69.7	14.01	66.9	12.54	62.2	11.55	59.7	11.01	57.4	10.55	52.7	9.56
	18.0	16.8	71.6	12.81	66.9	11.33	62.2	10.34	59.7	9.80	57.4	9.35	52.7	8.36
	20.0	18.5	71.6	12.15	66.9	10.67	62.2	9.68	59.7	9.14	57.4	8.69	52.7	7.70
	24.0	20.5	71.6	11.37	66.9	9.90	62.2	8.90	59.7	8.36	57.4	7.91	52.7	6.92
100%	-19.8	-20.0	33.1	9.27	33.0	9.73	32.9	10.28	32.8	10.63	32.8	11.08	32.7	11.78
	-18.8	-19.0	34.2	9.46	34.1	9.92	34.0	10.47	33.9	10.82	33.9	11.17	33.8	11.97
	-16.7	-17.0	36.4	9.83	36.3	10.29	36.2	10.75	36.1	11.10	36.1	11.45	36.0	12.25
	-13.7	-15.0	38.5	10.20	38.4	10.66	38.3	11.12	38.2	11.47	38.2	11.82	38.1	12.53
	-11.8	-13.0	40.7	10.57	40.6	10.94	40.5	11.40	40.4	11.75	40.4	12.10	40.3	12.80
	-9.8	-11.0	42.8	10.94	42.7	11.31	42.6	11.77	42.5	12.03	42.5	12.38	42.4	13.08
	-9.5	-10.0	43.9	11.13	43.8	11.49	43.7	11.86	43.6	12.21	43.6	12.56	43.5	13.18
	-8.5	-9.1	44.9	11.32	44.8	11.68	44.7	12.05	44.6	12.40	44.6	12.66	44.5	13.27
	-7.0	-7.6	46.5	11.50	46.4	11.96	46.3	12.32	46.2	12.58	46.2	12.94	46.1	13.55
	-5.0	-5.6	48.7	11.87	48.6	12.24	48.5	12.60	48.4	12.86	48.4	13.21	47.9	13.71
	-3.0	-3.7	50.7	12.24	50.6	12.51	50.5	12.88	50.4	13.14	50.4	13.40	47.9	14.00
	0.0	-0.7	54.0	12.71	53.9	12.98	53.8	13.34	53.7	13.60	52.2	13.85	47.9	13.42
	2.0	1.0	55.8	12.98	55.7	13.25	55.4	13.55	54.1	13.82	52.2	13.62	47.9	12.73
	3.0	2.2	57.1	13.17	57.0	13.44	56.5	13.69	54.4	13.97	52.2	13.45	47.9	12.25
	5.0	4.1	59.1	13.45	59.0	13.72	56.5	13.89	54.4	13.27	52.2	12.67	47.9	11.48
	7.0	6.0	61.2	13.73	60.8	13.88	56.5	12.99	54.4	12.38	52.2	11.88	47.9	10.80
	9.0	7.9	63.2	13.91	60.8	13.47	56.5	12.19	54.4	11.69	52.2	11.19	47.9	10.22
	11.0	9.8	65.1	13.97	60.8	12.64	56.5	11.38	54.4	10.99	52.2	10.50	47.9	9.64
	12.0	11.0	65.1	13.37	60.8	12.14	56.5	10.96	54.4	10.57	52.2	10.09	47.9	9.29
	13.0	11.8	65.1	12.97	60.8	11.81	56.5	10.68	54.4	10.30	52.2	9.82	47.9	9.05
	15.0	13.7	65.1	12.08	60.8	11.08	56.5	10.08	54.4	9.70	52.2	9.32	47.9	8.58
	18.0	16.8	65.1	10.88	60.8	9.87	56.5	8.87	54.4	8.50	52.2	8.12	47.9	7.37
	20.0	18.5	65.1	10.22	60.8	9.21	56.5	8.21	54.4	7.84	52.2	7.46	47.9	6.71
	24.0	20.5	65.1	9.44	60.8	8.44	56.5	7.44	54.4	7.06	52.2	6.68	47.9	5.94

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Outdoor air temp. (°C)		Indoor air temp. (°CDB)											
			16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-19.8	-20.0	33.0	10.30	32.9	10.86	32.7	11.41	32.7	11.69	32.6	11.88	32.5	12.43
	-18.8	-19.0	34.1	10.39	34.0	10.95	33.8	11.51	33.8	11.78	33.7	12.06	33.6	12.62
	-16.7	-17.0	36.3	10.76	36.2	11.32	36.0	11.78	36.0	12.06	35.9	12.34	35.8	12.80
	-13.7	-15.0	38.4	11.13	38.3	11.60	38.1	12.06	38.1	12.34	38.0	12.62	37.9	13.08
	-11.8	-13.0	40.6	11.41	40.5	11.88	40.3	12.43	40.3	12.62	40.2	12.90	40.1	13.36
	-9.8	-11.0	42.7	11.78	42.6	12.25	42.4	12.71	42.4	12.90	42.3	13.18	42.2	13.64
	-9.5	-10.0	43.8	11.97	43.7	12.43	43.5	12.80	43.5	13.08	43.4	13.27	43.1	13.71
	-8.5	-9.1	44.8	12.06	44.7	12.53	44.5	12.99	44.5	13.18	44.4	13.36	43.1	13.81
	-7.0	-7.6	46.4	12.34	46.3	12.80	46.1	13.18	46.1	13.36	46.0	13.64	43.1	14.00
	-5.0	-5.6	48.6	12.62	48.5	13.08	48.3	13.45	48.3	13.64	47.0	13.81	43.1	13.81
	-3.0	-3.7	50.6	12.99	50.5	13.36	50.3	13.73	48.9	13.90	47.0	14.10	43.1	12.95
	0.0	-0.7	53.9	13.36	53.8	13.73	50.9	14.09	48.9	13.80	47.0	13.13	43.1	11.79
	2.0	1.0	55.7	13.63	54.3	13.94	50.9	13.58	48.9	13.06	47.0	12.45	43.1	11.18
	3.0	2.2	57.0	13.83	54.7	14.09	50.9	13.21	48.9	12.54	47.0	11.97	43.1	10.74
	5.0	4.1	58.6	13.98	54.7	13.59	50.9	12.43	48.9	11.86	47.0	11.29	43.1	10.16
	7.0	6.0	58.6	13.98	54.7	12.80	50.9	11.65	48.9	11.18	47.0	10.61	43.1	9.59
	9.0	7.9	58.6	13.07	54.7	12.00	50.9	10.56	48.9	10.50	47.0	10.03	43.1	9.07
	11.0	9.8	58.6	12.25	54.7	11.31	50.9	10.38	48.9	9.91	47.0	9.45	43.1	8.57
	12.0	11.0	58.6	11.76	54.7	10.89	50.9	9.96	48.9	9.56	47.0	9.12	43.1	8.28
	13.0	11.8	58.6	11.44	54.7	10.61	50.9	9.69	48.9	9.33	47.0	8.89	43.1	8.09
	15.0	13.7	58.6	10.83	54.7	10.01	50.9	9.20	48.9	8.80	47.0	8.41	43.1	7.66
	18.0	16.8	58.6	9.62	54.7	8.81	50.9	8.00	48.9	7.59	47.0	7.20	43.1	6.45
	20.0	18.5	58.6	8.96	54.7	8.15	50.9	7.34	48.9	6.93	47.0	6.54	43.1	5.79
	24.0	20.5	58.6	8.18	54.7	7.37	50.9	6.56	48.9	6.15	47.0	5.77	43.1	5.02
80%	-19.8	-20.0	32.8	11.23	32.7	11.69	32.6	12.15	32.5	12.43	32.5	12.62	32.4	13.18
	-18.8	-19.0	33.9	11.32	33.8	11.78	33.7	12.25	33.6	12.53	33.6	12.80	33.5	13.27
	-16.7	-17.0	36.1	11.60	36.0	12.06	35.9	12.53	35.8	12.80	35.8	12.99	35.7	13.45
	-13.7	-15.0	38.2	11.97	38.1	12.34	38.0	12.80	37.9	12.99	37.9	13.27	37.8	13.73
	-11.8	-13.0	40.4	12.25	40.3	12.62	40.2	13.08	40.1	13.27	40.1	13.55	38.3	13.91
	-9.8	-11.0	42.5	12.53	42.4	12.90	42.3	13.36	42.2	13.55	41.8	13.71	38.3	14.00
	-9.5	-10.0	43.6	12.71	43.5	13.08	43.4	13.45	43.3	13.64	41.8	13.81	38.3	13.62
	-8.5	-9.1	44.6	12.80	44.5	13.18	44.4	13.55	43.5	13.81	41.8	14.00	38.3	13.24
	-7.0	-7.6	46.2	13.08	46.1	13.45	45.2	13.81	43.5	14.00	41.8	14.10	38.3	12.67
	-5.0	-5.6	48.4	13.36	48.3	13.64	45.2	14.00	43.5	14.00	41.8	13.24	38.3	11.91
	-3.0	-3.7	50.4	13.55	48.6	13.90	45.2	13.81	43.5	13.14	41.8	12.47	38.3	11.24
	0.0	-0.7	52.1	13.99	48.6	13.71	45.2	12.55	43.5	11.98	41.8	11.42	38.3	10.29
	2.0	1.0	52.1	13.76	48.6	13.02	45.2	11.88	43.5	11.37	41.8	10.80	38.3	9.79
	3.0	2.2	52.1	13.60	48.6	12.54	45.2	11.40	43.5	10.93	41.8	10.36	38.3	9.43
	5.0	4.1	52.1	12.81	48.6	11.76	45.2	10.72	43.5	10.26	41.8	9.79	38.3	8.91
	7.0	6.0	52.1	12.03	48.6	11.08	45.2	10.15	43.5	9.68	41.8	9.31	38.3	8.42
	9.0	7.9	52.1	11.34	48.6	10.40	45.2	9.57	43.5	9.20	41.8	8.77	38.3	7.97
	11.0	9.8	52.1	10.65	48.6	9.82	45.2	9.05	43.5	8.67	41.8	8.29	38.3	7.55
	12.0	11.0	52.1	10.24	48.6	9.47	45.2	8.74	43.5	8.37	41.8	8.01	38.3	7.30
	13.0	11.8	52.1	9.96	48.6	9.24	45.2	8.54	43.5	8.17	41.8	7.83	38.3	7.14
	15.0	13.7	52.1	9.47	48.6	8.75	45.2	8.07	43.5	7.74	41.8	7.42	38.3	6.77
	18.0	16.8	52.1	8.27	48.6	7.55	45.2	6.87	43.5	6.54	41.8	6.21	38.3	5.57
	20.0	18.5	52.1	7.61	48.6	6.88	45.2	6.21	43.5	5.87	41.8	5.55	38.3	4.91
	24.0	20.5	52.1	6.83	48.6	6.11	45.2	5.43	43.5	5.10	41.8	4.77	38.3	4.13

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Indoor air temp. (°C)		Indoor air temp.(°CDB)											
			16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-19.8	-20.0	32.6	12.06	32.5	12.53	32.4	12.99	32.4	13.18	32.4	13.36	32.3	13.83
	-18.8	-19.0	33.7	12.25	33.6	12.62	33.5	13.08	33.5	13.27	33.5	13.45	33.4	13.92
	-16.7	-17.0	35.9	12.53	35.8	12.90	35.7	13.27	35.7	13.55	35.7	13.73	33.5	14.10
	-13.7	-15.0	38.0	12.71	37.9	13.18	37.8	13.55	37.8	13.73	36.5	13.91	33.5	13.34
	-11.8	-13.0	40.2	12.99	40.1	13.36	39.6	13.72	38.0	13.91	36.5	14.10	33.5	12.68
	-9.8	-11.0	42.3	13.27	42.2	13.64	39.6	14.00	38.0	13.91	36.5	13.24	33.5	11.92
	-9.5	-10.0	43.4	13.45	42.6	13.71	39.6	14.10	38.0	13.53	36.5	12.86	33.5	11.64
	-8.5	-9.1	44.4	13.55	42.6	13.91	39.6	13.81	38.0	13.15	36.5	12.58	33.5	11.35
	-7.0	-7.6	45.6	13.71	42.6	14.10	39.6	13.24	38.0	12.58	36.5	12.01	33.5	10.78
	-5.0	-5.6	45.6	14.00	42.6	13.62	39.6	12.48	38.0	11.81	36.5	11.34	33.5	10.22
	-3.0	-3.7	45.6	14.00	42.6	12.85	39.6	11.71	38.0	11.15	36.5	10.68	33.5	9.65
	0.0	-0.7	45.6	12.65	42.6	11.70	39.6	10.66	38.0	10.19	36.5	9.73	33.5	8.84
	2.0	1.0	45.6	12.03	42.6	11.08	39.6	10.16	38.0	9.69	36.5	9.27	33.5	8.43
	3.0	2.2	45.6	11.59	42.6	10.65	39.6	9.80	38.0	9.34	36.5	8.94	33.5	8.13
	5.0	4.1	45.6	10.91	42.6	10.07	39.6	9.23	38.0	8.84	36.5	8.45	33.5	7.70
	7.0	6.0	45.6	10.24	42.6	9.50	39.6	8.74	38.0	8.37	36.5	8.01	33.5	7.30
	9.0	7.9	45.6	9.66	42.6	8.97	39.6	8.26	38.0	7.92	36.5	7.58	33.5	6.92
	11.0	9.8	45.6	9.18	42.6	8.48	39.6	7.82	38.0	7.50	36.5	7.19	33.5	6.57
	12.0	11.0	45.6	8.84	42.6	8.19	39.6	7.56	38.0	7.26	36.5	6.96	33.5	6.37
	13.0	11.8	45.6	8.62	42.6	8.00	39.6	7.39	38.0	7.10	36.5	6.80	33.5	6.23
	15.0	13.7	45.6	8.15	42.6	7.58	39.6	7.02	38.0	6.74	36.5	6.47	33.5	5.93
	18.0	16.8	45.6	6.95	42.6	6.37	39.6	5.81	38.0	5.53	36.5	5.26	33.5	4.72
	20.0	18.5	45.6	6.29	42.6	5.71	39.6	5.15	38.0	4.87	36.5	4.60	33.5	4.06
	24.0	20.5	45.6	5.51	42.6	4.94	39.6	4.38	38.0	4.10	36.5	3.83	33.5	3.28
60%	-19.8	-20.0	32.4	12.99	32.4	13.36	32.3	13.73	32.3	13.92	31.3	13.91	28.7	12.50
	-18.8	-19.0	33.5	13.18	33.5	13.45	33.4	13.83	32.6	14.01	31.3	13.63	28.7	12.21
	-16.7	-17.0	35.7	13.36	35.7	13.73	33.9	14.00	32.6	13.63	31.3	12.97	28.7	11.65
	-13.7	-15.0	37.8	13.55	36.5	13.91	33.9	13.53	32.6	12.96	31.3	12.30	28.7	11.08
	-11.8	-13.0	39.1	13.81	36.5	14.10	33.9	12.87	32.6	12.21	31.3	11.64	28.7	10.52
	-9.8	-11.0	39.1	14.00	36.5	13.24	33.9	12.11	32.6	11.55	31.3	11.08	28.7	9.95
	-9.5	-10.0	39.1	14.00	36.5	12.86	33.9	11.83	32.6	11.25	31.3	10.70	28.7	9.67
	-8.5	-9.1	39.1	13.62	36.5	12.58	33.9	11.45	32.6	10.98	31.3	10.41	28.7	9.48
	-7.0	-7.6	39.1	13.05	36.5	12.01	33.9	10.97	32.6	10.50	31.3	10.04	28.7	9.08
	-5.0	-5.6	39.1	12.29	36.5	11.34	33.9	10.40	32.6	9.94	31.3	9.47	28.7	8.58
	-3.0	-3.7	39.1	11.62	36.5	10.68	33.9	9.84	32.6	9.37	31.3	8.96	28.7	8.14
	0.0	-0.7	39.1	10.57	36.5	9.73	33.9	8.97	32.6	8.59	31.3	8.21	28.7	7.48
	2.0	1.0	39.1	10.01	36.5	9.27	33.9	8.55	32.6	8.19	31.3	7.83	28.7	7.14
	3.0	2.2	39.1	9.62	36.5	8.94	33.9	8.24	32.6	7.90	31.3	7.56	28.7	6.91
	5.0	4.1	39.1	9.13	36.5	8.45	33.9	7.81	32.6	7.49	31.3	7.17	28.7	6.56
	7.0	6.0	39.1	8.63	36.5	8.01	33.9	7.40	32.6	7.10	31.3	6.80	28.7	6.23
	9.0	7.9	39.1	8.17	36.5	7.58	33.9	7.01	32.6	6.74	31.3	6.46	28.7	5.93
	11.0	9.8	39.1	7.73	36.5	7.19	33.9	6.66	32.6	6.40	31.3	6.14	28.7	5.63
	12.0	11.0	39.1	7.48	36.5	6.96	33.9	6.45	32.6	6.20	31.3	5.96	28.7	5.47
	13.0	11.8	39.1	7.31	36.5	6.80	33.9	6.31	32.6	6.07	31.3	5.83	28.7	5.36
	15.0	13.7	39.1	6.94	36.5	6.47	33.9	6.01	32.6	5.77	31.3	5.56	28.7	5.11
	18.0	16.8	39.1	5.73	36.5	5.26	33.9	4.80	32.6	4.57	31.3	4.35	28.7	3.91
	20.0	18.5	39.1	5.07	36.5	4.60	33.9	4.14	32.6	3.91	31.3	3.69	28.7	3.25
	24.0	20.5	39.1	4.29	36.5	3.83	33.9	3.37	32.6	3.13	31.3	2.91	28.7	2.47

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Outdoor air temp. (°C)		Indoor air temp.(°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-19.8	-20.0	32.3	13.92	30.4	13.44	28.3	12.31	27.2	11.75	26.1	11.18	24.0	10.06
	-18.8	-19.0	32.5	14.01	30.4	13.16	28.3	12.03	27.2	11.46	26.1	10.90	24.0	9.87
	-16.7	-17.0	32.5	13.63	30.4	12.49	28.3	11.46	27.2	10.90	26.1	10.43	24.0	9.50
	-13.7	-15.0	32.5	12.96	30.4	11.93	28.3	10.90	27.2	10.43	26.1	9.96	24.0	9.02
	-11.8	-13.0	32.5	12.21	30.4	11.27	28.3	10.33	27.2	9.86	26.1	9.49	24.0	8.58
	-9.8	-11.0	32.5	11.55	30.4	10.70	28.3	9.76	27.2	9.39	26.1	8.96	24.0	8.14
	-9.5	-10.0	32.5	11.26	30.4	10.42	28.3	9.58	27.2	9.13	26.1	8.73	24.0	7.94
	-8.5	-9.1	32.5	10.98	30.4	10.13	28.3	9.29	27.2	8.91	26.1	8.52	24.0	7.75
	-7.0	-7.6	32.5	10.50	30.4	9.66	28.3	8.93	27.2	8.55	26.1	8.18	24.0	7.45
	-5.0	-5.6	32.5	9.94	30.4	9.16	28.3	8.45	27.2	8.09	26.1	7.74	24.0	7.06
	-3.0	-3.7	32.5	9.37	30.4	8.68	28.3	8.00	27.2	7.68	26.1	7.35	24.0	6.72
	0.0	-0.7	32.5	8.59	30.4	7.97	28.3	7.36	27.2	7.07	26.1	6.77	24.0	6.20
	2.0	1.0	32.5	8.19	30.4	7.60	28.3	7.03	27.2	6.75	26.1	6.47	24.0	5.94
	3.0	2.2	32.5	7.90	30.4	7.34	28.3	6.80	27.2	6.53	26.1	6.26	24.0	5.75
	5.0	4.1	32.5	7.49	30.4	6.96	28.3	6.46	27.2	6.20	26.1	5.95	24.0	5.47
	7.0	6.0	32.5	7.10	30.4	6.61	28.3	6.14	27.2	5.90	26.1	5.67	24.0	5.21
	9.0	7.9	32.5	6.74	30.4	6.28	28.3	5.83	27.2	5.62	26.1	5.40	24.0	4.97
	11.0	9.8	32.5	6.40	30.4	5.97	28.3	5.55	27.2	5.35	26.1	5.14	24.0	4.74
	12.0	11.0	32.5	6.20	30.4	5.79	28.3	5.39	27.2	5.19	26.1	5.00	24.0	4.61
	13.0	11.8	32.5	6.07	30.4	5.67	28.3	5.28	27.2	5.09	26.1	4.90	24.0	4.53
	15.0	13.7	32.5	5.77	30.4	5.40	28.3	5.04	27.2	4.86	26.1	4.68	24.0	4.33
	18.0	16.8	32.5	4.57	30.4	4.20	28.3	3.84	27.2	3.66	26.1	3.48	24.0	3.13
	20.0	18.5	32.5	3.91	30.4	3.54	28.3	3.18	27.2	3.00	26.1	2.82	24.0	2.46
	24.0	20.5	32.5	3.13	30.4	2.76	28.3	2.40	27.2	2.22	26.1	2.04	24.0	1.69

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TC—Total capacity of outdoor unit; PI—Power input of outdoor unit													
Connection ratio	Outdoor air temp. (°C)		Indoor air temp. (°CDB)										
			16		18		20		22		24		
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
135%	-19.8	-20.0	36.9	7.53	36.8	8.49	36.6	9.46	36.5	9.95	36.4	10.43	36.3
	-18.8	-19.0	38.1	7.86	38.0	8.81	37.8	9.76	37.7	10.24	37.6	10.72	37.5
	-16.7	-17.0	40.5	8.53	40.4	9.43	40.2	10.34	40.1	10.82	40.0	11.21	39.9
	-13.7	-15.0	42.9	9.17	42.8	10.05	42.6	10.92	42.5	11.30	42.4	11.79	42.3
	-11.8	-13.0	45.3	9.76	45.2	10.63	45.0	11.40	44.9	11.88	44.8	12.27	44.7
	-9.8	-11.0	47.7	10.34	47.6	11.21	47.4	11.98	47.3	12.37	47.2	12.75	47.1
	-9.5	-10.0	48.9	10.63	48.8	11.40	48.6	12.17	48.5	12.56	48.4	12.95	48.3
	-8.5	-9.1	50.0	10.92	49.9	11.69	49.7	12.37	49.6	12.75	49.5	13.14	49.4
	-7.0	-7.6	51.2	11.30	51.7	12.08	51.5	12.75	51.4	13.14	51.3	13.53	51.2
	-5.0	-5.6	54.2	11.88	54.1	12.56	53.9	13.24	53.8	13.53	53.7	13.91	53.5
	-3.0	-3.7	56.4	12.37	56.3	12.95	56.1	13.62	56.0	14.01	55.9	14.30	55.8
	0.0	-0.7	60.0	13.04	59.9	13.62	59.7	14.20	59.6	14.59	59.5	14.88	59.4
	2.0	1.0	62.1	13.38	62.0	13.96	61.8	14.54	61.7	14.87	61.6	15.16	61.4
	3.0	2.2	63.5	13.62	63.4	14.20	63.2	14.78	63.1	15.07	63.0	15.36	62.9
	5.0	4.1	65.8	14.01	65.7	14.59	65.5	15.17	65.4	15.36	65.3	15.65	65.2
	7.0	6.0	68.0	14.40	67.9	14.88	67.7	15.46	67.6	15.75	67.5	15.94	67.4
	9.0	7.9	70.3	14.78	70.2	15.26	70.0	15.75	69.9	16.04	69.8	16.23	69.7
	11.0	9.8	72.6	15.07	72.5	15.55	72.3	16.04	72.2	16.23	72.1	16.52	72.0
	12.0	11.0	74.0	15.25	73.9	15.73	73.7	16.21	73.6	16.40	73.5	16.69	72.1
	13.0	11.8	75.0	15.36	74.9	15.84	74.7	16.33	74.6	16.52	74.5	16.81	72.1
120%	15.0	13.7	77.3	15.65	77.2	16.13	77.0	16.62	76.9	16.81	76.8	16.62	72.1
	18.0	16.8	81.0	16.12	80.9	16.61	80.7	17.09	80.6	17.28	78.6	14.73	72.1
	20.0	18.5	83.0	16.38	82.9	16.87	82.7	17.35	81.8	16.25	78.6	13.69	72.1
	24.0	20.5	85.4	16.69	85.3	17.17	85.1	16.13	81.8	15.03	78.6	12.48	72.1
	-19.8	-20.0	36.7	8.64	36.6	9.54	36.4	10.43	36.3	10.92	36.3	11.30	36.1
	-18.8	-19.0	37.9	8.96	37.8	9.85	37.6	10.72	37.5	11.11	37.5	11.59	37.3
	-16.7	-17.0	40.3	9.56	40.2	10.43	40.0	11.21	39.9	11.69	39.9	12.08	39.7
	-13.7	-15.0	42.7	10.14	42.6	10.92	42.4	11.79	42.3	12.17	42.3	12.56	42.1
	-11.8	-13.0	45.1	10.72	45.0	11.50	44.8	12.27	44.7	12.66	44.7	13.04	44.5
	-9.8	-11.0	47.5	11.30	47.4	11.98	47.2	12.75	47.1	13.04	47.1	13.43	46.9
	-9.5	-10.0	48.7	11.59	48.6	12.27	48.4	12.95	48.3	13.33	48.3	13.62	48.1
	-8.5	-9.1	49.8	11.79	49.7	12.46	49.5	13.14	49.4	13.53	49.4	13.82	49.2
	-7.0	-7.6	51.6	12.17	51.5	12.85	51.3	13.53	51.2	13.82	51.2	14.20	51.0
	-5.0	-5.6	54.0	12.66	53.9	13.24	53.7	13.91	53.5	14.20	53.5	14.59	53.3
	-3.0	-3.7	56.2	13.04	56.1	13.72	55.9	14.30	55.8	14.59	55.8	14.88	55.6
	0.0	-0.7	59.8	13.72	59.7	14.30	59.5	14.88	59.4	15.17	59.4	15.46	59.2
	2.0	1.0	61.9	14.06	61.8	14.64	61.6	15.16	61.4	15.45	61.4	15.68	61.2
	3.0	2.2	63.3	14.30	63.2	14.88	63.0	15.36	62.9	15.65	62.9	15.84	62.7
	5.0	4.1	65.6	14.68	65.5	15.17	65.3	15.65	65.2	15.94	65.2	16.13	64.0
	7.0	6.0	67.8	14.97	67.7	15.46	67.5	15.94	67.4	16.23	67.4	16.42	64.0
	9.0	7.9	70.1	15.36	70.0	15.75	69.8	16.23	69.7	16.52	69.7	16.71	64.0
	11.0	9.8	72.4	15.65	72.3	16.04	72.1	16.52	72.0	16.71	69.8	16.61	64.0
	12.0	11.0	73.8	15.82	73.7	16.21	73.5	16.69	72.3	16.60	69.8	15.88	64.0
	13.0	11.8	74.8	15.94	74.7	16.33	74.5	16.81	72.6	16.53	69.8	15.40	64.0
	15.0	13.7	77.1	16.23	77.0	16.62	75.6	15.55	72.6	14.83	69.8	14.19	64.0
	18.0	16.8	80.8	16.70	80.7	17.09	75.6	13.66	72.6	12.94	69.8	12.31	64.0
	20.0	18.5	82.8	16.96	81.3	16.05	75.6	12.63	72.6	11.90	69.8	11.27	64.0
	24.0	20.5	85.2	17.27	81.3	14.84	75.6	11.41	72.6	10.69	69.8	10.05	64.0

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Indoor air temp. (°C)		Indoor air temp.(°CDB)											
			16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-19.8	-20.0	36.5	9.76	36.4	10.53	36.3	11.40	36.2	11.79	36.1	12.17	36.0	13.04
	-18.8	-19.0	37.7	10.05	37.6	10.82	37.5	11.69	37.4	12.08	37.3	12.46	37.2	13.24
	-16.7	-17.0	40.1	10.63	40.0	11.40	39.9	12.17	39.8	12.56	39.7	12.95	39.6	13.62
	-13.7	-15.0	42.5	11.11	42.4	11.88	42.3	12.66	42.2	12.95	42.1	13.33	42.0	14.11
	-11.8	-13.0	44.9	11.69	44.8	12.37	44.7	13.04	44.6	13.43	44.5	13.72	44.4	14.49
	-9.8	-11.0	47.3	12.17	47.2	12.85	47.1	13.53	47.0	13.82	46.9	14.20	46.8	14.88
	-9.5	-10.0	48.5	12.46	48.4	13.04	48.3	13.72	48.2	14.01	48.1	14.40	48.0	14.97
	-8.5	-9.1	49.6	12.66	49.5	13.24	49.4	13.91	49.3	14.20	49.2	14.59	49.1	15.17
	-7.0	-7.6	51.4	12.95	51.3	13.62	51.2	14.20	51.1	14.49	51.0	14.78	50.8	15.46
	-5.0	-5.6	53.3	13.43	53.7	14.01	53.5	14.59	53.4	14.88	53.3	15.17	53.2	15.75
	-3.0	-3.7	55.0	13.82	55.9	14.40	55.8	14.97	55.7	15.26	55.6	15.46	55.5	16.04
	0.0	-0.7	59.6	14.40	59.5	14.97	59.4	15.46	59.3	15.75	59.2	15.94	58.7	16.45
	2.0	1.0	61.7	14.73	61.6	15.26	61.4	15.74	61.3	15.97	61.2	16.22	58.7	16.59
	3.0	2.2	63.1	14.97	63.0	15.46	62.9	15.94	62.8	16.13	62.7	16.42	58.7	16.68
	5.0	4.1	65.4	15.26	65.3	15.75	65.2	16.23	65.1	16.42	64.0	16.66	58.7	15.66
	7.0	6.0	67.6	15.65	67.5	16.04	67.4	16.52	66.5	16.65	64.0	16.66	58.7	14.75
	9.0	7.9	69.9	15.94	69.8	16.33	69.3	16.62	66.5	16.65	64.0	15.55	58.7	13.84
	11.0	9.8	72.2	16.23	72.1	16.62	69.3	16.47	66.5	15.47	64.0	14.56	58.7	13.05
	12.0	11.0	73.6	16.35	73.5	16.73	69.3	15.69	66.5	14.84	64.0	14.05	58.7	12.57
	13.0	11.8	74.6	16.42	74.5	16.81	69.3	15.17	66.5	14.43	64.0	13.70	58.7	12.25
	15.0	13.7	76.9	16.71	74.6	15.37	69.3	14.01	66.5	13.38	64.0	12.84	58.7	11.57
	18.0	16.8	79.8	14.83	74.6	13.48	69.3	12.13	66.5	11.49	64.0	10.95	58.7	9.68
	20.0	18.5	79.8	13.79	74.6	12.45	69.3	11.09	66.5	10.46	64.0	9.91	58.7	8.65
	24.0	20.5	79.8	12.57	74.6	11.23	69.3	9.87	66.5	9.24	64.0	8.70	58.7	7.43
100%	-19.8	-20.0	36.3	10.61	36.2	10.97	36.1	11.43	36.0	12.05	35.9	12.67	35.8	13.82
	-18.8	-19.0	37.5	10.80	37.4	11.26	37.3	11.63	37.2	12.25	37.1	12.87	37.0	14.01
	-16.7	-17.0	39.9	11.38	39.8	11.74	39.7	12.11	39.6	12.73	39.5	13.25	39.4	14.40
	-13.7	-15.0	42.3	11.86	42.2	12.22	42.1	12.49	42.0	13.11	41.9	13.64	41.8	14.78
	-11.8	-13.0	44.7	12.35	44.6	12.61	44.5	12.98	44.4	13.50	44.3	14.02	44.2	15.17
	-9.8	-11.0	47.1	12.73	47.0	13.09	46.9	13.36	46.8	13.89	46.7	14.41	46.6	15.46
	-9.5	-10.0	48.3	13.02	48.2	13.29	48.1	13.56	48.0	14.03	47.9	14.60	47.8	15.65
	-8.5	-9.1	49.4	13.22	49.3	13.48	49.2	13.75	49.1	14.27	49.0	14.80	48.8	15.84
	-7.0	-7.6	51.2	13.51	51.1	13.77	51.0	14.04	50.8	14.47	50.7	14.99	50.6	16.04
	-5.0	-5.6	53.5	13.89	53.4	14.16	53.3	14.33	53.2	14.85	53.1	15.38	53.0	16.33
	-3.0	-3.7	55.8	14.28	55.7	14.45	55.6	14.72	55.5	15.14	55.4	15.67	53.4	16.58
	0.0	-0.7	59.4	14.86	59.3	15.03	59.2	15.10	59.1	15.63	58.2	15.99	53.4	16.15
	2.0	1.0	61.4	15.14	61.3	15.25	61.2	15.39	60.0	15.83	58.2	15.99	53.4	15.32
	3.0	2.2	62.9	15.34	62.8	15.41	62.7	15.59	60.6	15.97	58.2	15.99	53.4	14.74
	5.0	4.1	65.2	15.63	65.1	15.70	63.0	15.85	60.6	15.74	58.2	15.08	53.4	13.87
	7.0	6.0	67.4	15.92	67.3	15.99	63.0	15.37	60.6	14.70	58.2	14.18	53.4	13.11
	9.0	7.9	69.7	16.21	67.8	16.28	63.0	14.41	60.6	13.77	58.2	13.28	53.4	12.35
	11.0	9.8	72.0	16.41	67.8	15.32	63.0	13.44	60.6	12.95	58.2	12.48	53.4	11.70
	12.0	11.0	72.3	16.29	67.8	14.58	63.0	12.86	60.6	12.39	58.2	12.01	53.4	11.31
	13.0	11.8	72.6	16.22	67.8	14.08	63.0	12.48	60.6	12.02	58.2	11.69	53.4	11.05
	15.0	13.7	72.6	14.52	67.8	13.12	63.0	11.63	60.6	11.32	58.2	11.02	53.4	10.40
	18.0	16.8	72.6	12.63	67.8	11.23	63.0	9.74	60.6	9.44	58.2	9.13	53.4	8.51
	20.0	18.5	72.6	11.60	67.8	10.19	63.0	8.71	60.6	8.40	58.2	8.09	53.4	7.47
	24.0	20.5	72.6	10.38	67.8	8.97	63.0	7.49	60.6	7.18	58.2	6.87	53.4	6.26

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Indoor air temp. (°C)		Indoor air temp.(°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90%	-19.8	-20.0	36.1	11.98	36.0	12.66	35.9	13.33	35.8	13.62	35.8	14.01	35.7	14.68
	-18.8	-19.0	37.3	12.27	37.2	12.85	37.1	13.53	37.0	13.82	37.0	14.20	36.9	14.88
	-16.7	-17.0	39.7	12.66	39.6	13.33	39.5	13.91	39.4	14.30	39.4	14.59	39.3	15.17
	-13.7	-15.0	42.1	13.14	42.0	13.72	41.9	14.30	41.8	14.59	41.8	14.97	41.7	15.55
	-11.8	-13.0	44.5	13.62	44.4	14.11	44.3	14.68	44.2	14.97	44.2	15.26	44.1	15.84
	-9.8	-11.0	46.9	14.01	46.8	14.49	46.7	15.07	46.6	15.36	46.6	15.65	46.5	16.13
	-9.5	-10.0	48.1	14.20	48.0	14.68	47.9	15.26	47.8	15.55	47.8	15.75	47.7	16.33
	-8.5	-9.1	49.2	14.40	49.1	14.88	49.0	15.36	48.8	15.65	48.8	15.94	48.1	16.38
	-7.0	-7.6	51.0	14.68	50.8	15.17	50.7	15.65	50.6	15.94	50.6	16.13	48.1	16.59
	-5.0	-5.6	53.3	14.97	53.2	15.46	53.1	15.94	53.0	16.23	52.4	16.37	48.1	16.38
	-3.0	-3.7	55.6	15.36	55.5	15.84	55.4	16.23	54.5	16.47	52.4	16.69	48.1	15.43
	0.0	-0.7	59.2	15.84	59.1	16.23	56.7	16.68	54.5	16.58	52.4	15.72	48.1	14.06
	2.0	1.0	61.2	16.13	60.2	16.49	56.7	16.23	54.5	15.74	52.4	14.90	48.1	13.38
	3.0	2.2	62.7	16.33	61.0	16.67	56.7	15.90	54.5	15.16	52.4	14.32	48.1	12.90
	5.0	4.1	65.0	16.52	61.0	16.56	56.7	15.01	54.5	14.28	52.4	13.56	48.1	12.16
	7.0	6.0	65.3	16.78	61.0	15.62	56.7	14.11	54.5	13.40	52.4	12.81	48.1	11.53
	9.0	7.9	65.3	16.15	61.0	14.69	56.7	13.33	54.5	12.75	52.4	12.05	48.1	10.89
	11.0	9.8	65.3	15.13	61.0	13.75	56.7	12.55	54.5	11.98	52.4	11.40	48.1	10.37
	12.0	11.0	65.3	14.45	61.0	13.26	56.7	12.08	54.5	11.59	52.4	11.02	48.1	10.05
	13.0	11.8	65.3	14.00	61.0	12.93	56.7	11.77	54.5	11.33	52.4	10.76	48.1	9.84
	15.0	13.7	65.3	13.11	61.0	12.12	56.7	11.21	54.5	10.67	52.4	10.22	48.1	9.31
	18.0	16.8	65.3	11.22	61.0	10.23	56.7	9.32	54.5	8.78	52.4	8.33	48.1	7.42
	20.0	18.5	65.3	10.19	61.0	9.19	56.7	8.29	54.5	7.74	52.4	7.29	48.1	6.39
	24.0	20.5	65.3	8.97	61.0	7.97	56.7	7.07	54.5	6.53	52.4	6.07	48.1	5.17
80%	-19.8	-20.0	35.9	13.14	35.8	13.72	35.7	14.30	35.7	14.59	35.6	14.88	35.5	15.46
	-18.8	-19.0	37.1	13.33	37.0	13.91	36.9	14.49	36.9	14.78	36.8	15.07	36.7	15.65
	-16.7	-17.0	39.5	13.72	39.4	14.30	39.3	14.88	39.3	15.17	39.2	15.36	39.1	15.94
	-13.7	-15.0	41.9	14.11	41.8	14.68	41.7	15.17	41.7	15.46	41.6	15.75	41.5	16.23
	-11.8	-13.0	44.3	14.49	44.2	15.07	44.1	15.55	44.1	15.75	44.0	16.04	42.7	16.49
	-9.8	-11.0	46.7	14.88	46.6	15.36	46.5	15.84	46.5	16.13	46.4	16.33	42.7	16.60
	-9.5	-10.0	47.9	15.07	47.8	15.55	47.7	16.04	47.7	16.23	46.6	16.49	42.7	16.08
	-8.5	-9.1	49.0	15.26	48.8	15.65	48.7	16.13	48.5	16.38	46.6	16.59	42.7	15.67
	-7.0	-7.6	50.7	15.46	50.6	15.94	50.4	16.27	48.5	16.59	46.6	16.70	42.7	14.94
	-5.0	-5.6	53.1	15.84	53.0	16.23	50.4	16.59	48.5	16.59	46.6	15.75	42.7	14.12
	-3.0	-3.7	55.4	16.13	54.2	16.47	50.4	16.48	48.5	15.64	46.6	14.81	42.7	13.29
	0.0	-0.7	58.1	16.45	54.2	16.47	50.4	14.98	48.5	14.26	46.6	13.55	42.7	12.15
	2.0	1.0	58.1	16.45	54.2	15.64	50.4	14.23	48.5	13.58	46.6	12.88	42.7	11.61
	3.0	2.2	58.1	16.45	54.2	15.05	50.4	13.70	48.5	13.10	46.6	12.40	42.7	11.22
	5.0	4.1	58.1	15.55	54.2	14.17	50.4	12.95	48.5	12.36	46.6	11.77	42.7	10.60
	7.0	6.0	58.1	14.65	54.2	13.40	50.4	12.21	48.5	11.73	46.6	11.14	42.7	10.09
	9.0	7.9	58.1	13.74	54.2	12.64	50.4	11.56	48.5	11.09	46.6	10.51	42.7	9.57
	11.0	9.8	58.1	12.95	54.2	11.87	50.4	10.92	48.5	10.46	46.6	9.99	42.7	9.11
	12.0	11.0	58.1	12.48	54.2	11.48	50.4	10.60	48.5	10.14	46.6	9.67	42.7	8.83
	13.0	11.8	58.1	12.16	54.2	11.22	50.4	10.39	48.5	9.93	46.6	9.46	42.7	8.64
	15.0	13.7	58.1	11.48	54.2	10.67	50.4	9.85	48.5	9.40	46.6	9.01	42.7	8.23
	18.0	16.8	58.1	9.59	54.2	8.78	50.4	7.97	48.5	7.51	46.6	7.13	42.7	6.34
	20.0	18.5	58.1	8.56	54.2	7.74	50.4	6.93	48.5	6.48	46.6	6.09	42.7	5.30
	24.0	20.5	58.1	7.34	54.2	6.53	50.4	5.71	48.5	5.26	46.6	4.87	42.7	4.09

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Indoor air temp. (°C)		Indoor air temp.(°CDB)											
			16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-19.8	-20.0	35.7	14.20	35.7	14.78	35.6	15.26	35.5	15.55	35.5	15.75	35.4	16.33
	-18.8	-19.0	36.9	14.40	36.9	14.88	35.8	15.46	36.7	15.65	36.7	15.94	36.6	16.42
	-16.7	-17.0	39.3	14.78	39.3	15.26	39.2	15.75	39.1	15.94	39.1	16.23	37.4	16.70
	-13.7	-15.0	41.7	15.17	41.7	15.55	41.6	16.04	41.5	16.33	40.7	16.50	37.4	15.89
	-11.8	-13.0	44.1	15.46	44.1	15.94	44.0	16.33	42.4	16.60	40.7	16.70	37.4	14.97
	-9.8	-11.0	46.5	15.75	46.5	16.23	44.1	16.60	42.4	16.49	40.7	15.67	37.4	14.06
	-9.5	-10.0	47.7	15.94	47.5	16.28	44.1	16.80	42.4	15.98	40.7	15.16	37.4	13.65
	-8.5	-9.1	48.7	16.13	47.5	16.49	44.1	16.39	42.4	15.56	40.7	14.75	37.4	13.34
	-7.0	-7.6	50.5	16.33	47.5	16.70	44.1	15.66	42.4	14.84	40.7	14.13	37.4	12.73
	-5.0	-5.6	50.3	16.59	47.5	16.17	44.1	14.73	42.4	14.02	40.7	13.31	37.4	12.02
	-3.0	-3.7	50.8	16.69	47.5	15.22	44.1	13.90	42.4	13.19	40.7	12.59	37.4	11.41
	0.0	-0.7	50.8	15.19	47.5	13.85	44.1	12.65	42.4	12.16	40.7	11.57	37.4	10.50
	2.0	1.0	50.8	14.44	47.5	13.18	44.1	12.10	42.4	11.55	40.7	11.02	37.4	10.02
	3.0	2.2	50.8	13.91	47.5	12.70	44.1	11.71	42.4	11.12	40.7	10.64	37.4	9.68
	5.0	4.1	50.8	13.05	47.5	12.06	44.1	11.09	42.4	10.61	40.7	10.13	37.4	9.17
	7.0	6.0	50.8	12.41	47.5	11.43	44.1	10.47	42.4	9.99	40.7	9.61	37.4	8.72
	9.0	7.9	50.8	11.66	47.5	10.80	44.1	9.95	42.4	9.58	40.7	9.11	37.4	8.31
	11.0	9.8	50.8	11.02	47.5	10.27	44.1	9.43	42.4	9.05	40.7	8.67	37.4	7.92
	12.0	11.0	50.8	10.70	47.5	9.90	44.1	9.14	42.4	8.78	40.7	8.41	37.4	7.69
	13.0	11.8	50.8	10.48	47.5	9.64	44.1	8.95	42.4	8.60	40.7	8.24	37.4	7.53
	15.0	13.7	50.8	9.95	47.5	9.22	44.1	8.53	42.4	8.18	40.7	7.85	37.4	7.19
	18.0	16.8	50.8	8.06	47.5	7.33	44.1	6.64	42.4	6.29	40.7	5.96	37.4	5.30
	20.0	18.5	50.8	7.02	47.5	6.30	44.1	5.60	42.4	5.26	40.7	4.92	37.4	4.26
	24.0	20.5	50.8	5.80	47.5	5.08	44.1	4.38	42.4	4.04	40.7	3.71	37.4	3.05
60%	-19.8	-20.0	35.6	15.36	35.5	15.75	35.4	16.23	35.4	16.42	34.9	16.70	32.1	15.20
	-18.8	-19.0	36.8	15.46	36.7	15.94	36.6	16.33	36.4	16.60	34.9	16.40	32.1	14.69
	-16.7	-17.0	39.2	15.84	39.1	16.23	37.8	16.60	36.4	16.30	34.9	15.49	32.1	13.89
	-13.7	-15.0	41.6	16.13	40.7	16.50	37.8	16.09	36.4	15.38	34.9	14.58	32.1	13.18
	-11.8	-13.0	43.5	16.39	40.7	16.70	37.8	15.17	36.4	14.47	34.9	13.77	32.1	12.38
	-9.8	-11.0	43.5	16.70	40.7	15.67	37.8	14.26	36.4	13.66	34.9	12.96	32.1	11.68
	-9.5	-10.0	43.5	16.60	40.7	15.16	37.8	13.85	36.4	13.25	34.9	12.66	32.1	11.37
	-8.5	-9.1	43.5	16.18	40.7	14.75	37.8	13.54	36.4	12.85	34.9	12.25	32.1	11.07
	-7.0	-7.6	43.5	15.35	40.7	14.13	37.8	12.93	36.4	12.34	34.9	11.75	32.1	10.67
	-5.0	-5.6	43.5	14.52	40.7	13.31	37.8	12.22	36.4	11.63	34.9	11.14	32.1	10.07
	-3.0	-3.7	43.5	13.69	40.7	12.59	37.8	11.51	36.4	11.02	34.9	10.53	32.1	9.56
	0.0	-0.7	43.5	12.55	40.7	11.57	37.8	10.59	36.4	10.10	34.9	9.72	32.1	8.83
	2.0	1.0	43.5	11.94	40.7	11.02	37.8	10.11	36.4	9.69	34.9	9.29	32.1	8.45
	3.0	2.2	43.5	11.52	40.7	10.64	37.8	9.77	36.4	9.39	34.9	8.98	32.1	8.19
	5.0	4.1	43.5	10.89	40.7	10.13	37.8	9.26	36.4	8.92	34.9	8.54	32.1	7.80
	7.0	6.0	43.5	10.38	40.7	9.61	37.8	8.85	36.4	8.49	34.9	8.13	32.1	7.44
	9.0	7.9	43.5	9.86	40.7	9.11	37.8	8.42	36.4	8.08	34.9	7.75	32.1	7.10
	11.0	9.8	43.5	9.34	40.7	8.67	37.8	8.02	36.4	7.71	34.9	7.39	32.1	6.79
	12.0	11.0	43.5	9.05	40.7	8.41	37.8	7.79	36.4	7.48	34.9	7.18	32.1	6.60
	13.0	11.8	43.5	8.85	40.7	8.24	37.8	7.63	36.4	7.33	34.9	7.04	32.1	6.47
	15.0	13.7	43.5	8.43	40.7	7.85	37.8	7.29	36.4	7.01	34.9	6.74	32.1	6.19
	18.0	16.8	43.5	6.54	40.7	5.96	37.8	5.40	36.4	5.12	34.9	4.85	32.1	4.31
	20.0	18.5	43.5	5.50	40.7	4.92	37.8	4.36	36.4	4.08	34.9	3.81	32.1	3.27
	24.0	20.5	43.5	4.28	40.7	3.71	37.8	3.15	36.4	2.87	34.9	2.59	32.1	2.05

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Indoor air temp. (°C)		Indoor air temp.(°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-19.8	-20.0	35.4	16.42	33.9	16.30	31.5	14.90	30.3	14.20	29.1	13.50	26.7	12.22
	-18.8	-19.0	36.3	16.60	33.9	15.80	31.5	14.49	30.3	13.80	29.1	13.10	26.7	11.82
	-16.7	-17.0	36.3	16.30	33.9	14.99	31.5	13.69	30.3	13.00	29.1	12.40	26.7	11.23
	-13.7	-15.0	36.3	15.38	33.9	14.08	31.5	12.89	30.3	12.29	29.1	11.70	26.7	10.63
	-11.8	-13.0	36.3	14.47	33.9	13.27	31.5	12.18	30.3	11.69	29.1	11.10	26.7	10.13
	-9.8	-11.0	36.3	13.66	33.9	12.56	31.5	11.48	30.3	10.99	29.1	10.50	26.7	9.53
	-9.5	-10.0	36.3	13.25	33.9	12.16	31.5	11.18	30.3	10.69	29.1	10.20	26.7	9.30
	-8.5	-9.1	36.3	12.85	33.9	11.86	31.5	10.88	30.3	10.49	29.1	10.00	26.7	9.08
	-7.0	-7.6	36.3	12.34	33.9	11.35	31.5	10.47	30.3	9.99	29.1	9.60	26.7	8.72
	-5.0	-5.6	36.3	11.63	33.9	10.75	31.5	9.87	30.3	9.49	29.1	9.08	26.7	8.27
	-3.0	-3.7	36.3	11.02	33.9	10.24	31.5	9.37	30.3	9.01	29.1	8.63	26.7	7.89
	0.0	-0.7	36.3	10.10	33.9	9.43	31.5	8.69	30.3	8.33	29.1	7.99	26.7	7.31
	2.0	1.0	36.3	9.69	33.9	9.01	31.5	8.32	30.3	7.99	29.1	7.66	26.7	7.01
	3.0	2.2	36.3	9.39	33.9	8.71	31.5	8.06	30.3	7.74	29.1	7.42	26.7	6.80
	5.0	4.1	36.3	8.92	33.9	8.29	31.5	7.68	30.3	7.38	29.1	7.08	26.7	6.50
	7.0	6.0	36.3	8.49	33.9	7.90	31.5	7.33	30.3	7.04	29.1	6.76	26.7	6.21
	9.0	7.9	36.3	8.08	33.9	7.53	31.5	7.00	30.3	6.73	29.1	6.47	26.7	5.95
	11.0	9.8	36.3	7.71	33.9	7.19	31.5	6.69	30.3	6.43	29.1	6.19	26.7	5.70
	12.0	11.0	36.3	7.48	33.9	6.99	31.5	6.50	30.3	6.26	29.1	6.02	26.7	5.55
	13.0	11.8	36.3	7.33	33.9	6.85	31.5	6.37	30.3	6.15	29.1	5.91	26.7	5.45
15.0	13.7	36.3	7.01	33.9	6.55	31.5	6.10	30.3	5.89	29.1	5.67	26.7	5.23	
18.0	16.8	36.3	5.12	33.9	4.67	31.5	4.21	30.3	4.00	29.1	3.78	26.7	3.35	
20.0	18.5	36.3	4.08	33.9	3.63	31.5	3.18	30.3	2.96	29.1	2.75	26.7	2.31	
24.0	20.5	36.3	2.87	33.9	2.41	31.5	1.96	30.3	1.74	29.1	1.53	26.7	1.09	

GMV-615WML/A-X

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Outdoor air temp. (°C)		Indoor air temp. (°CDB)											
			16		18		20		22		24		26	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
135%	-19.8	-20.0	40.4	8.66	40.3	9.77	40.1	10.89	40.0	11.45	39.9	12.01	39.8	13.12
	-18.8	-19.0	41.7	9.05	41.6	10.14	41.4	11.23	41.3	11.79	41.2	12.34	41.1	13.45
	-16.7	-17.0	44.3	9.82	44.2	10.85	44.0	11.90	43.9	12.45	43.8	12.90	43.7	14.01
	-13.7	-15.0	46.9	10.55	46.8	11.56	46.6	12.56	46.5	13.01	46.4	13.57	46.3	14.57
	-11.8	-13.0	49.5	11.23	49.4	12.23	49.2	13.12	49.1	13.68	49.0	14.12	48.9	15.01
	-9.8	-11.0	52.1	11.90	52.0	12.90	51.8	13.79	51.7	14.23	51.6	14.68	51.4	15.57
	-9.5	-10.0	53.4	12.23	53.3	13.12	53.1	14.01	53.0	14.46	52.9	14.90	52.7	15.79
	-8.5	-9.1	54.6	12.56	54.5	13.45	54.2	14.23	54.1	14.68	54.0	15.12	53.9	16.01
	-7.0	-7.6	56.5	13.01	56.4	13.90	56.2	14.68	56.1	15.12	56.0	15.57	55.9	16.35
	-5.0	-5.6	59.1	13.68	59.0	14.46	58.8	15.23	58.7	15.57	58.6	16.01	58.4	16.79
	-3.0	-3.7	61.6	14.23	61.5	14.90	61.2	15.68	61.1	16.12	61.0	16.46	60.9	17.24
	0.0	-0.7	65.5	15.01	65.4	15.68	65.1	16.35	65.0	16.79	64.9	17.12	64.8	17.79
	2.0	1.0	67.7	15.40	67.6	16.07	67.3	16.74	67.2	17.12	67.1	17.45	67.0	18.12
	3.0	2.2	69.2	15.68	69.1	16.35	68.9	17.01	68.8	17.35	68.7	17.68	68.6	18.35
	5.0	4.1	71.7	16.12	71.6	16.79	71.4	17.46	71.3	17.68	71.1	18.01	71.0	18.68
	7.0	6.0	74.2	16.57	74.1	17.12	73.8	17.79	73.7	18.12	73.6	18.35	73.5	19.01
	9.0	7.9	76.6	17.01	76.5	17.57	76.3	18.12	76.2	18.46	76.1	18.68	76.0	19.24
	11.0	9.8	79.1	17.35	79.0	17.90	78.8	18.46	78.7	18.68	78.5	19.01	78.4	19.13
	12.0	11.0	80.7	17.55	80.5	18.10	80.3	18.66	80.2	18.88	80.1	19.21	78.8	18.13
	13.0	11.8	81.7	17.68	81.6	18.24	81.4	18.79	81.2	19.01	81.1	19.35	79.0	17.46
120%	15.0	13.7	84.2	18.01	84.0	18.57	83.8	19.13	83.7	19.35	83.6	19.13	79.0	16.13
	18.0	16.8	88.2	18.56	88.1	19.11	87.8	19.67	87.7	19.89	86.1	16.95	79.0	13.96
	20.0	18.5	90.4	18.86	90.3	19.41	90.0	19.97	89.6	18.70	86.1	15.76	79.0	12.76
	24.0	20.5	93.0	19.21	92.9	19.76	92.6	20.32	89.6	17.30	86.1	14.36	79.0	11.36
	-19.8	-20.0	40.2	9.94	40.1	10.97	39.9	12.01	39.8	12.56	39.8	13.01	39.5	14.01
	-18.8	-19.0	41.5	10.31	41.4	11.34	41.2	12.34	41.1	12.79	41.1	13.34	40.8	14.34
	-16.7	-17.0	44.1	11.01	44.0	12.01	43.8	12.90	43.7	13.45	43.7	13.90	43.4	14.90
	-13.7	-15.0	46.7	11.68	46.6	12.56	46.4	13.57	46.3	14.01	46.3	14.46	46.0	15.34
	-11.8	-13.0	49.3	12.34	49.2	13.23	49.0	14.12	48.9	14.57	48.9	15.01	48.6	15.79
	-9.8	-11.0	51.9	13.01	51.8	13.79	51.6	14.68	51.4	15.01	51.4	15.46	51.2	16.35
	-9.5	-10.0	53.2	13.34	53.1	14.12	52.9	14.90	52.7	15.34	52.7	15.68	52.5	16.57
	-8.5	-9.1	54.4	13.57	54.2	14.34	54.0	15.12	53.9	15.57	53.9	15.90	53.7	16.79
	-7.0	-7.6	56.3	14.01	56.2	14.79	56.0	15.57	55.9	15.90	55.9	16.35	55.6	17.01
	-5.0	-5.6	58.9	14.57	58.8	15.23	58.6	16.01	58.4	16.35	58.4	16.79	58.2	17.46
	-3.0	-3.7	61.4	15.01	61.2	15.79	61.0	16.46	60.9	16.79	60.9	17.12	60.7	17.79
	0.0	-0.7	65.3	15.79	65.1	16.46	64.9	17.12	64.8	17.46	64.8	17.79	64.6	18.35
	2.0	1.0	67.5	16.18	67.3	16.85	67.1	17.45	67.0	17.78	67.0	18.05	66.8	18.67
	3.0	2.2	69.0	16.46	68.9	17.12	68.7	17.68	68.6	18.01	68.6	18.24	68.3	18.90
	5.0	4.1	71.5	16.90	71.4	17.46	71.1	18.01	71.0	18.35	71.0	18.57	70.1	19.18
	7.0	6.0	73.9	17.24	73.8	17.79	73.6	18.35	73.5	18.68	73.5	18.90	70.1	19.18
	9.0	7.9	76.4	17.68	76.3	18.12	76.1	18.68	76.0	19.01	76.0	19.24	70.1	17.90
	11.0	9.8	78.9	18.01	78.8	18.46	78.5	19.01	78.4	19.24	76.5	19.11	70.1	16.76
	12.0	11.0	80.4	18.21	80.3	18.66	80.1	19.21	79.1	19.11	76.5	18.28	70.1	16.17
	13.0	11.8	81.5	18.35	81.4	18.79	81.1	19.35	79.5	19.02	76.5	17.72	70.1	15.77
	15.0	13.7	83.9	18.68	83.8	19.13	82.8	17.90	79.5	17.07	76.5	16.34	70.1	14.78
	18.0	16.8	88.0	19.22	87.8	19.67	82.8	15.72	79.5	14.89	76.5	14.16	70.1	12.60
	20.0	18.5	90.2	19.52	89.1	18.48	82.8	14.53	79.5	13.70	76.5	12.97	70.1	11.41
	24.0	20.5	92.8	19.87	89.1	17.08	82.8	13.13	79.5	12.30	76.5	11.57	70.1	10.01

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Indoor air temp. (°C)		Indoor air temp. (°CDB)											
			16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-19.8	-20.0	40.0	11.23	39.9	12.12	39.8	13.12	39.7	13.57	39.5	14.01	39.4	15.01
	-18.8	-19.0	41.3	11.56	41.2	12.45	41.1	13.45	41.0	13.90	40.8	14.34	40.7	15.23
	-16.7	-17.0	43.9	12.23	43.8	13.12	43.7	14.01	43.6	14.46	43.4	14.90	43.3	15.68
	-13.7	-15.0	46.5	12.79	46.4	13.68	46.3	14.57	46.1	14.90	46.0	15.34	45.9	16.23
	-11.8	-13.0	49.1	13.45	49.0	14.23	48.9	15.01	48.7	15.46	48.6	15.79	48.5	16.68
	-9.8	-11.0	51.7	14.01	51.6	14.79	51.4	15.57	51.3	15.90	51.2	16.35	51.1	17.12
	-9.5	-10.0	53.0	14.34	52.9	15.01	52.7	15.79	52.6	16.12	52.5	16.57	52.4	17.24
	-8.5	-9.1	54.1	14.57	54.0	15.23	53.9	16.01	53.8	16.35	53.7	16.79	53.6	17.46
	-7.0	-7.6	56.1	14.90	56.0	15.68	55.9	16.35	55.7	16.68	55.6	17.01	55.5	17.79
	-5.0	-5.6	58.7	15.46	58.6	16.12	58.4	16.79	58.3	17.12	58.2	17.46	58.1	18.12
	-3.0	-3.7	61.1	15.90	61.0	16.57	60.9	17.24	60.8	17.57	60.7	17.79	60.6	18.46
	0.0	-0.7	65.0	16.57	64.9	17.24	64.8	17.79	64.7	18.12	64.6	18.35	64.3	18.94
	2.0	1.0	67.2	16.96	67.1	17.56	67.0	18.12	66.9	18.39	66.8	18.67	64.3	19.09
	3.0	2.2	68.8	17.24	68.7	17.79	68.6	18.35	68.5	18.57	68.3	18.90	64.3	19.20
	5.0	4.1	71.3	17.57	71.1	18.12	71.0	18.68	70.9	18.90	70.1	19.18	64.3	18.02
	7.0	6.0	73.7	18.01	73.6	18.46	73.5	19.01	72.9	19.16	70.1	19.18	64.3	16.98
	9.0	7.9	76.2	18.35	76.1	18.79	75.9	19.13	72.9	19.16	70.1	17.90	64.3	15.93
	11.0	9.8	78.7	18.68	78.5	19.13	75.9	18.96	72.9	17.81	70.1	16.76	64.3	15.02
	12.0	11.0	80.2	18.81	80.1	19.26	75.9	18.06	72.9	17.08	70.1	16.17	64.3	14.47
	13.0	11.8	81.2	18.90	81.1	19.35	75.9	17.46	72.9	16.60	70.1	15.77	64.3	14.10
	15.0	13.7	83.7	19.24	81.7	17.69	75.9	16.13	72.9	15.40	70.1	14.78	64.3	13.32
	18.0	16.8	87.4	17.06	81.7	15.52	75.9	13.96	72.9	13.23	70.1	12.60	64.3	11.15
	20.0	18.5	87.4	15.87	81.7	14.33	75.9	12.76	72.9	12.04	70.1	11.41	64.3	9.95
	24.0	20.5	87.4	14.47	81.7	12.92	75.9	11.36	72.9	10.63	70.1	10.01	64.3	8.55
100%	-19.8	-20.0	39.8	12.21	39.7	12.62	39.5	13.16	39.4	13.87	39.3	14.58	39.2	15.90
	-18.8	-19.0	41.1	12.43	41.0	12.96	40.8	13.38	40.7	14.09	40.6	14.81	40.5	16.12
	-16.7	-17.0	43.7	13.10	43.6	13.51	43.4	13.94	43.3	14.65	43.2	15.25	43.1	16.57
	-13.7	-15.0	46.3	13.66	46.1	14.07	46.0	14.38	45.9	15.09	45.8	15.70	45.7	17.01
	-11.8	-13.0	48.9	14.21	48.7	14.51	48.6	14.94	48.5	15.54	48.4	16.14	48.3	17.46
	-9.8	-11.0	51.4	14.66	51.3	15.07	51.2	15.38	51.1	15.98	51.0	16.59	50.9	17.79
	-9.5	-10.0	52.7	14.99	52.6	15.29	52.5	15.60	52.4	16.21	52.3	16.81	52.2	18.01
	-8.5	-9.1	53.9	15.21	53.8	15.51	53.7	15.83	53.6	16.43	53.5	17.03	53.4	18.24
	-7.0	-7.6	55.9	15.55	55.7	15.85	55.6	16.16	55.5	16.65	55.4	17.25	55.3	18.46
	-5.0	-5.6	58.4	15.99	58.3	16.29	58.2	16.49	58.1	17.10	58.0	17.70	57.9	18.79
	-3.0	-3.7	60.9	16.44	60.8	16.63	60.7	16.94	60.6	17.43	60.5	18.03	58.5	19.08
	0.0	-0.7	64.8	17.10	64.7	17.29	64.6	17.38	64.5	17.99	63.8	18.40	58.5	18.58
	2.0	1.0	67.0	17.43	66.9	17.55	66.8	17.71	65.6	18.22	63.8	18.40	58.5	17.63
	3.0	2.2	68.6	17.66	68.5	17.74	68.3	17.94	66.4	18.38	63.8	18.40	58.5	16.96
	5.0	4.1	71.0	17.99	70.9	18.07	69.0	18.24	66.4	18.12	63.8	17.36	58.5	15.96
	7.0	6.0	73.5	18.33	73.4	18.40	69.0	17.69	66.4	16.91	63.8	16.32	58.5	15.09
	9.0	7.9	76.0	18.66	74.2	18.74	69.0	16.58	66.4	15.84	63.8	15.28	58.5	14.21
	11.0	9.8	78.4	18.88	74.2	17.63	69.0	15.47	66.4	14.91	63.8	14.37	58.5	13.47
	12.0	11.0	79.1	18.75	74.2	16.78	69.0	14.80	66.4	14.26	63.8	13.82	58.5	13.02
	13.0	11.8	79.5	18.67	74.2	16.20	69.0	14.36	66.4	13.84	63.8	13.46	58.5	12.72
	15.0	13.7	79.5	16.71	74.2	15.10	69.0	13.39	66.4	13.03	63.8	12.68	58.5	11.97
	18.0	16.8	79.5	14.54	74.2	12.92	69.0	11.22	66.4	10.86	63.8	10.50	58.5	9.79
	20.0	18.5	79.5	13.35	74.2	11.73	69.0	10.02	66.4	9.67	63.8	9.31	58.5	8.60
	24.0	20.5	79.5	11.94	74.2	10.33	69.0	8.62	66.4	8.27	63.8	7.91	58.5	7.20

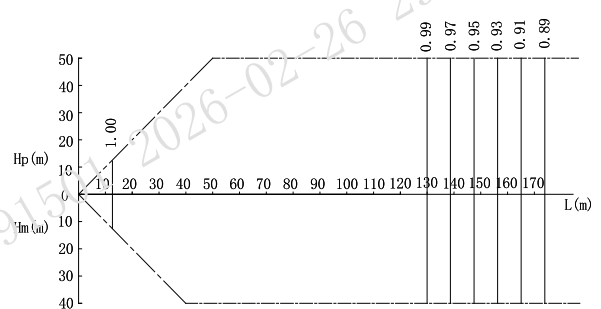
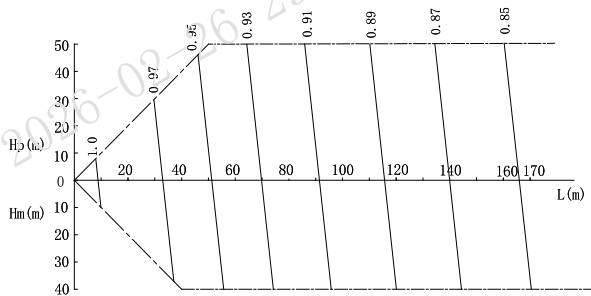
TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Indoor air temp. (°C)		Indoor air temp. (°CDB)											
			16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-19.8	-20.0	39.5	13.79	39.4	14.57	39.3	15.34	39.2	15.68	39.2	16.12	39.1	16.90
	-18.8	-19.0	40.8	14.12	40.7	14.79	40.6	15.57	40.5	15.90	40.5	16.35	40.4	17.12
	-16.7	-17.0	43.4	14.57	43.3	15.34	43.2	16.01	43.1	16.46	43.1	16.79	43.0	17.46
	-13.7	-15.0	46.0	15.12	45.9	15.79	45.8	16.46	45.7	16.79	45.7	17.24	45.6	17.90
	-11.8	-13.0	48.6	15.68	48.5	16.23	48.4	16.90	48.3	17.24	48.3	17.57	48.2	18.24
	-9.8	-11.0	51.2	16.12	51.1	16.68	51.0	17.35	50.9	17.68	50.9	18.01	50.8	18.57
	-9.5	-10.0	52.5	16.35	52.4	16.90	52.3	17.57	52.2	17.90	52.2	18.12	52.1	18.79
	-8.5	-9.1	53.7	16.57	53.6	17.12	53.5	17.68	53.4	18.01	53.4	18.35	52.7	18.85
	-7.0	-7.6	55.6	16.90	55.5	17.46	55.4	18.01	55.3	18.35	55.3	18.57	52.7	19.09
	-5.0	-5.6	58.2	17.24	58.1	17.79	58.0	18.35	57.9	18.68	57.4	18.84	52.7	18.85
	-3.0	-3.7	60.7	17.68	60.6	18.24	60.5	18.68	59.7	18.96	57.4	19.21	52.7	17.76
	0.0	-0.7	64.6	18.24	64.5	18.68	62.1	19.20	59.7	19.08	57.4	18.09	52.7	16.18
	2.0	1.0	66.8	18.56	65.8	18.98	62.1	18.67	59.7	18.12	57.4	17.15	52.7	15.40
	3.0	2.2	68.3	18.79	66.8	19.19	62.1	18.30	59.7	17.44	57.4	16.48	52.7	14.85
	5.0	4.1	70.8	19.01	66.8	19.06	62.1	17.27	59.7	16.44	57.4	15.61	52.7	14.00
	7.0	6.0	71.5	19.31	66.8	17.98	62.1	16.25	59.7	15.43	57.4	14.74	52.7	13.27
	9.0	7.9	71.5	18.58	66.8	16.90	62.1	15.35	59.7	14.67	57.4	13.87	52.7	12.54
	11.0	9.8	71.5	17.42	66.8	15.83	62.1	14.45	59.7	13.79	57.4	13.12	52.7	11.93
	12.0	11.0	71.5	16.63	66.8	15.26	62.1	13.91	59.7	13.34	57.4	12.68	52.7	11.57
	13.0	11.8	71.5	16.11	66.8	14.89	62.1	13.55	59.7	13.03	57.4	12.38	52.7	11.33
	15.0	13.7	71.5	15.09	66.8	13.94	62.1	12.90	59.7	12.28	57.4	11.76	52.7	10.72
	18.0	16.8	71.5	12.92	66.8	11.77	62.1	10.73	59.7	10.11	57.4	9.59	52.7	8.54
	20.0	18.5	71.5	11.72	66.8	10.58	62.1	9.54	59.7	8.91	57.4	8.39	52.7	7.35
	24.0	20.5	71.5	10.32	66.8	9.18	62.1	8.14	59.7	7.51	57.4	6.99	52.7	5.95
80%	-19.8	-20.0	39.3	15.12	39.2	15.79	39.1	16.46	39.1	16.79	39.0	17.12	38.9	17.79
	-18.8	-19.0	40.6	15.34	40.5	16.01	40.4	16.68	40.4	17.01	40.3	17.35	40.2	18.01
	-16.7	-17.0	43.2	15.79	43.1	16.46	43.0	17.12	43.0	17.46	42.9	17.68	42.8	18.35
	-13.7	-15.0	45.8	16.23	45.7	16.90	45.6	17.46	45.6	17.79	45.5	18.12	45.4	18.68
	-11.8	-13.0	48.4	16.68	48.3	17.35	48.2	17.90	48.2	18.12	48.1	18.46	46.8	18.98
	-9.8	-11.0	51.0	17.12	50.9	17.68	50.8	18.24	50.8	18.57	50.7	18.79	46.8	19.10
	-9.5	-10.0	52.3	17.35	52.2	17.90	52.1	18.46	52.1	18.69	51.0	18.98	46.8	18.51
	-8.5	-9.1	53.5	17.57	53.4	18.01	53.2	18.57	53.1	18.85	51.0	19.10	46.8	18.03
	-7.0	-7.6	55.4	17.79	55.3	18.35	55.2	18.79	53.1	19.09	51.0	19.22	46.8	17.20
	-5.0	-5.6	58.0	18.24	57.9	18.68	55.2	19.09	53.1	19.09	51.0	18.13	46.8	16.25
	-3.0	-3.7	60.5	18.57	59.4	18.96	55.2	18.97	53.1	18.00	51.0	17.05	46.8	15.30
	0.0	-0.7	63.6	18.94	59.4	18.96	55.2	17.25	53.1	16.42	51.0	15.60	46.8	13.99
	2.0	1.0	63.6	18.94	59.4	18.00	55.2	16.38	53.1	15.63	51.0	14.82	46.8	13.36
	3.0	2.2	63.6	18.94	59.4	17.32	55.2	15.77	53.1	15.08	51.0	14.27	46.8	12.92
	5.0	4.1	63.6	17.90	59.4	16.31	55.2	14.91	53.1	14.23	51.0	13.55	46.8	12.20
	7.0	6.0	63.6	16.86	59.4	15.43	55.2	14.05	53.1	13.50	51.0	12.82	46.8	11.61
	9.0	7.9	63.6	15.82	59.4	14.55	55.2	13.31	53.1	12.77	51.0	12.10	46.8	11.02
	11.0	9.8	63.6	14.91	59.4	13.66	55.2	12.57	53.1	12.04	51.0	11.50	46.8	10.48
	12.0	11.0	63.6	14.36	59.4	13.21	55.2	12.20	53.1	11.67	51.0	11.13	46.8	10.16
	13.0	11.8	63.6	14.00	59.4	12.91	55.2	11.96	53.1	11.43	51.0	10.89	46.8	9.95
	15.0	13.7	63.6	13.22	59.4	12.28	55.2	11.34	53.1	10.82	51.0	10.37	43.8	9.47
	18.0	16.8	63.6	11.04	59.4	10.11	55.2	9.17	53.1	8.65	51.0	8.20	46.8	7.30
	20.0	18.5	63.6	9.85	59.4	8.91	55.2	7.98	53.1	7.46	51.0	7.01	46.8	6.10
	24.0	20.5	63.6	8.45	59.4	7.51	55.2	6.58	53.1	6.06	51.0	5.61	46.8	4.70

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Indoor air temp. (°C)		Indoor air temp. (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20.0	39.1	16.35	39.1	17.01	39.0	17.57	38.9	17.90	38.9	18.12	38.8	18.79
	-18.8	-19.0	40.4	16.57	40.4	17.12	40.3	17.79	40.2	18.01	40.2	18.35	40.1	18.90
	-16.7	-17.0	43.0	17.01	43.0	17.57	42.9	18.12	42.8	18.35	42.8	18.68	41.0	19.22
	-13.7	-15.0	45.6	17.46	45.6	17.90	45.5	18.46	45.4	18.79	44.6	18.99	41.0	18.29
	-11.8	-13.0	48.2	17.79	48.2	18.35	48.1	18.79	46.5	19.10	44.6	19.22	41.0	17.23
	-9.8	-11.0	50.8	18.12	50.8	18.68	48.3	19.10	46.5	18.98	44.6	18.04	41.0	16.18
	-9.5	-10.0	52.1	18.35	52.0	18.73	48.3	19.34	46.5	18.39	44.6	17.45	41.0	15.71
	-8.5	-9.1	53.2	18.57	52.0	18.97	48.3	18.86	46.5	17.91	44.6	16.98	41.0	15.36
	-7.0	-7.6	55.2	18.79	52.0	19.22	48.3	18.02	46.5	17.08	44.6	16.27	41.0	14.66
	-5.0	-5.6	55.6	19.09	52.0	18.61	48.3	16.95	46.5	16.13	44.6	15.32	41.0	13.84
	-3.0	-3.7	55.6	19.21	52.0	17.52	48.3	15.99	46.5	15.18	44.6	14.49	41.0	13.13
	0.0	-0.7	55.6	17.49	52.0	15.95	48.3	14.56	46.5	13.99	44.6	13.31	41.0	12.08
	2.0	1.0	55.6	16.62	52.0	15.16	48.3	13.93	46.5	13.30	44.6	12.69	41.0	11.53
	3.0	2.2	55.6	16.01	52.0	14.61	48.3	13.48	46.5	12.80	44.6	12.25	41.0	11.14
	5.0	4.1	55.6	15.02	52.0	13.89	48.3	12.77	46.5	12.21	44.6	11.66	41.0	10.56
	7.0	6.0	55.6	14.28	52.0	13.16	48.3	12.05	46.5	11.50	44.6	11.07	41.0	10.04
	9.0	7.9	55.6	13.42	52.0	12.43	48.3	11.45	46.5	11.02	44.6	10.49	41.0	9.56
	11.0	9.8	55.6	12.68	52.0	11.83	48.3	10.85	46.5	10.42	44.6	9.98	41.0	9.12
	12.0	11.0	55.6	12.31	52.0	11.39	48.3	10.52	46.5	10.10	44.6	9.68	41.0	8.85
	13.0	11.8	55.6	12.06	52.0	11.10	48.3	10.30	46.5	9.89	44.6	9.48	41.0	8.67
	15.0	13.7	55.6	11.45	52.0	10.61	48.3	9.81	46.5	9.42	44.6	9.03	41.0	8.27
	18.0	16.8	55.6	9.27	52.0	8.44	48.3	7.64	46.5	7.24	44.6	6.86	41.0	6.10
	20.0	18.5	55.6	8.08	52.0	7.25	48.3	6.45	46.5	6.05	44.6	5.67	41.0	4.91
	24.0	20.5	55.6	6.68	52.0	5.85	48.3	5.05	46.5	4.65	44.6	4.27	41.0	3.51
60%	-19.8	-20.0	39.0	17.68	38.9	18.12	38.8	18.68	38.8	18.90	38.3	19.23	35.1	17.49
	-18.8	-19.0	40.3	17.79	40.2	18.35	40.1	18.79	39.8	19.11	38.3	18.88	35.1	16.91
	-16.7	-17.0	42.9	18.24	42.8	18.68	41.4	19.11	39.8	18.76	38.3	17.83	35.1	15.99
	-13.7	-15.0	45.5	18.57	44.5	18.99	41.4	18.52	39.8	17.71	38.3	16.78	35.1	15.18
	-11.8	-13.0	47.7	18.86	44.5	19.22	41.4	17.47	39.8	16.65	38.3	15.85	35.1	14.25
	-9.8	-11.0	47.7	19.22	44.5	18.04	41.4	16.41	39.8	15.72	38.3	14.92	35.1	13.44
	-9.5	-10.0	47.7	19.10	44.5	17.45	41.4	15.94	39.8	15.25	38.3	14.57	35.1	13.09
	-8.5	-9.1	47.7	18.62	44.5	16.98	41.4	15.59	39.8	14.78	38.3	14.10	35.1	12.74
	-7.0	-7.6	47.7	17.67	44.5	16.27	41.4	14.88	39.8	14.20	38.3	13.52	35.1	12.28
	-5.0	-5.6	47.7	16.71	44.5	15.32	41.4	14.06	39.8	13.38	38.3	12.82	35.1	11.59
	-3.0	-3.7	47.7	15.76	44.5	14.49	41.4	13.24	39.8	12.68	38.3	12.12	35.1	11.01
	0.0	-0.7	47.7	14.45	44.5	13.31	41.4	12.19	39.8	11.63	38.3	11.19	35.1	10.16
	2.0	1.0	47.7	13.75	44.5	12.69	41.4	11.64	39.8	11.15	38.3	10.69	35.1	9.73
	3.0	2.2	47.7	13.25	44.5	12.25	41.4	11.25	39.8	10.81	38.3	10.34	35.1	9.42
	5.0	4.1	47.7	12.54	44.5	11.66	41.4	10.66	39.8	10.26	38.3	9.83	35.1	8.98
	7.0	6.0	47.7	11.94	44.5	11.07	41.4	10.18	39.8	9.77	38.3	9.36	35.1	8.56
	9.0	7.9	47.7	11.34	44.5	10.49	41.4	9.69	39.8	9.30	38.3	8.92	35.1	8.17
	11.0	9.8	47.7	10.75	44.5	9.98	41.4	9.23	39.8	8.87	38.3	8.51	35.1	7.81
	12.0	11.0	47.7	10.41	44.5	9.68	41.4	8.96	39.8	8.61	38.3	8.26	35.1	7.60
	13.0	11.8	47.7	10.19	44.5	9.48	41.4	8.79	39.8	8.44	38.3	8.10	35.1	7.45
	15.0	13.7	47.7	9.70	44.5	9.03	41.4	8.39	39.8	8.06	38.3	7.75	35.1	7.13
	18.0	16.8	47.7	7.53	44.5	6.86	41.4	6.21	39.8	5.89	38.3	5.56	35.1	4.95
	20.0	18.5	47.7	6.33	44.5	5.67	41.4	5.02	39.8	4.70	38.3	4.39	35.1	3.76
	24.0	20.5	47.7	4.93	44.5	4.27	41.4	3.62	39.8	3.30	38.3	2.99	35.1	2.36

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Connection ratio	Indoor air temp. (°C)		Indoor air temp. (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-19.8	-20.0	38.8	18.90	37.1	18.76	34.5	17.15	33.2	16.34	31.9	15.54	29.3	14.07
	-18.8	-19.0	39.7	19.11	37.1	18.18	34.5	16.68	33.2	15.88	31.9	15.08	29.3	13.61
	-16.7	-17.0	39.7	18.76	37.1	17.25	34.5	15.76	33.2	14.96	31.9	14.28	29.3	12.92
	-13.7	-15.0	39.7	17.71	37.1	16.20	34.5	14.83	33.2	14.15	31.9	13.47	29.3	12.23
	-11.8	-13.0	39.7	16.65	37.1	15.27	34.5	14.02	33.2	13.46	31.9	12.78	29.3	11.66
	-9.8	-11.0	39.7	15.72	37.1	14.46	34.5	13.21	33.2	12.65	31.9	12.09	29.3	10.97
	-9.5	-10.0	39.7	15.25	37.1	14.00	34.5	12.87	33.2	12.30	31.9	11.74	29.3	10.71
	-8.5	-9.1	39.7	14.78	37.1	13.65	34.5	12.52	33.2	12.07	31.9	11.51	29.3	10.45
	-7.0	-7.6	39.7	14.20	37.1	13.07	34.5	12.06	33.2	11.49	31.9	11.05	29.3	10.04
	-5.0	-5.6	39.7	13.38	37.1	12.37	34.5	11.36	33.2	10.92	31.9	10.45	29.3	9.52
	-3.0	-3.7	39.7	12.68	37.1	11.79	34.5	10.78	33.2	10.38	31.9	9.93	29.3	9.08
	0.0	-0.7	39.7	11.63	37.1	10.86	34.5	10.00	33.2	9.59	31.9	9.20	29.3	8.41
	2.0	1.0	39.7	11.15	37.1	10.37	34.5	9.58	33.2	9.19	31.9	8.81	29.3	8.07
	3.0	2.2	39.7	10.81	37.1	10.02	34.5	9.28	33.2	8.91	31.9	8.54	29.3	7.83
	5.0	4.1	39.7	10.26	37.1	9.54	34.5	8.84	33.2	8.49	31.9	8.15	29.3	7.48
	7.0	6.0	39.7	9.77	37.1	9.09	34.5	8.44	33.2	8.10	31.9	7.78	29.3	7.15
	9.0	7.9	39.7	9.30	37.1	8.67	34.5	8.05	33.2	7.74	31.9	7.45	29.3	6.85
	11.0	9.8	39.7	8.87	37.1	8.28	34.5	7.69	33.2	7.40	31.9	7.12	29.3	6.56
	12.0	11.0	39.7	8.61	37.1	8.04	34.5	7.48	33.2	7.20	31.9	6.93	29.3	6.39
	13.0	11.8	39.7	8.44	37.1	7.88	34.5	7.34	33.2	7.07	31.9	6.80	29.3	6.28
	15.0	13.7	39.7	8.06	37.1	7.54	34.5	7.02	33.2	6.77	31.9	6.52	29.3	6.03
	18.0	16.8	39.7	5.89	37.1	5.37	34.5	4.85	33.2	4.60	31.9	4.35	29.3	3.85
	20.0	18.5	39.7	4.70	37.1	4.18	34.5	3.66	33.2	3.41	31.9	3.16	29.3	2.66
	24.0	20.5	39.7	3.30	37.1	2.78	34.5	2.26	33.2	2.01	31.9	1.76	29.3	1.26

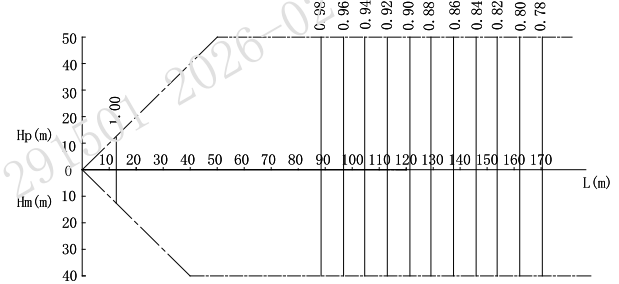
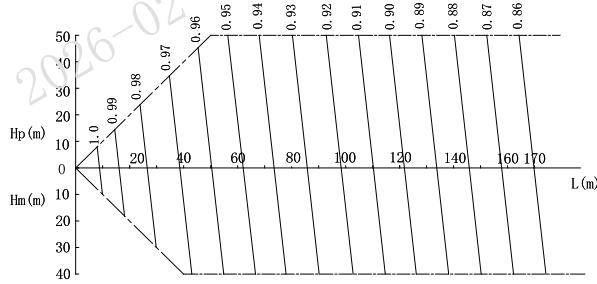
3 Capacity Correction According to Piping Length and Height Difference

14HP、36HP



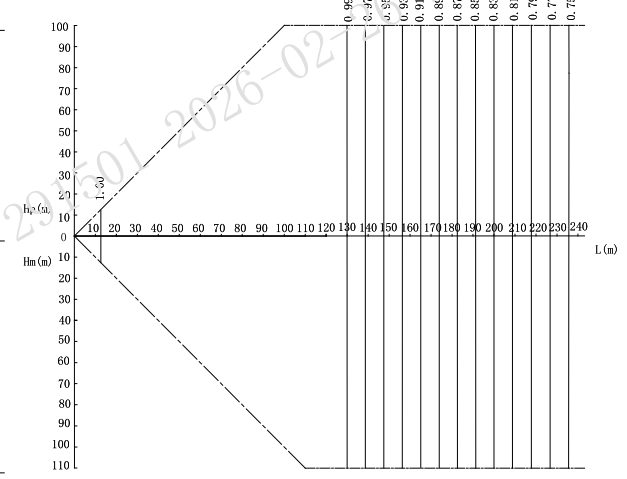
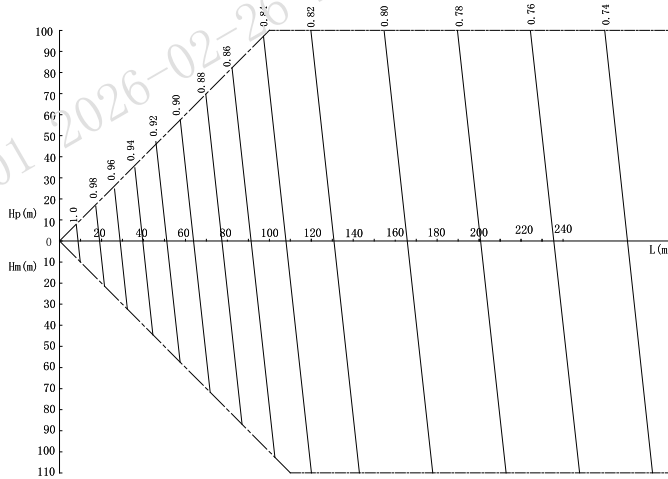
Cooling capacity	Gas pipe	Liquid pipe
14HP	Φ25.4mm	Φ12.7mm
36HP	Φ38.1mm	Φ19.05mm

16HP



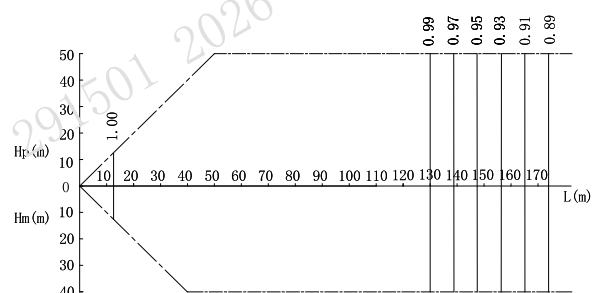
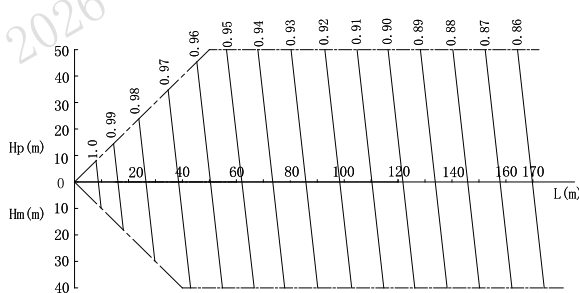
Cooling capacity	Gas pipe	Liquid pipe
16HP	Φ28.6mm	Φ12.7mm

32-34HP



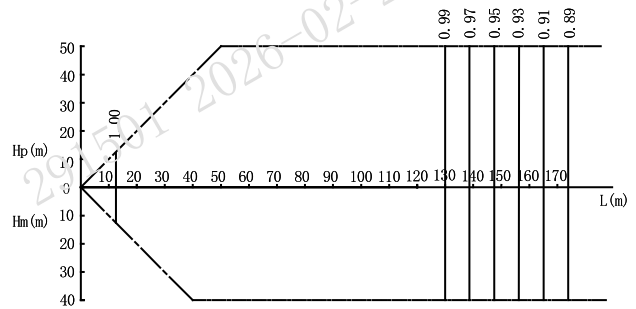
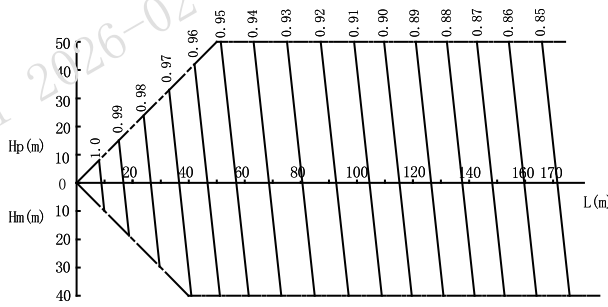
Cooling capacity	Gas pipe	Liquid pipe
32-34HP	Φ38.1mm	Φ19.05mm

18HP、28-30HP、38-44HP



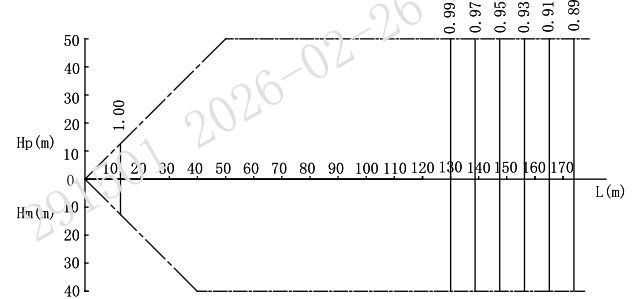
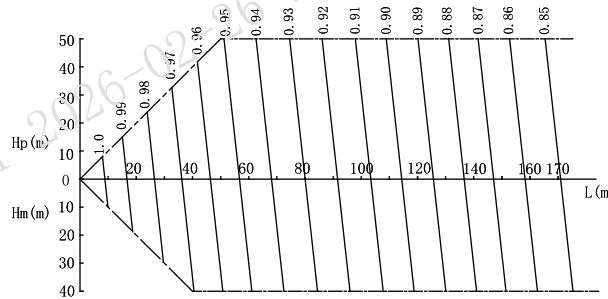
Cooling capacity	Gas pipe	Liquid pipe
18HP	Φ28.6mm	Φ15.9mm
28-30HP	Φ31.8mm	Φ19.05mm
38-44HP	Φ38.1mm	Φ19.05mm

20HP



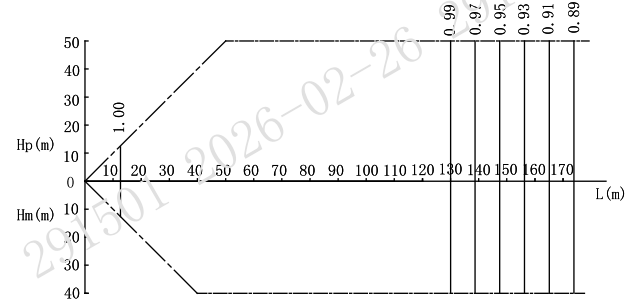
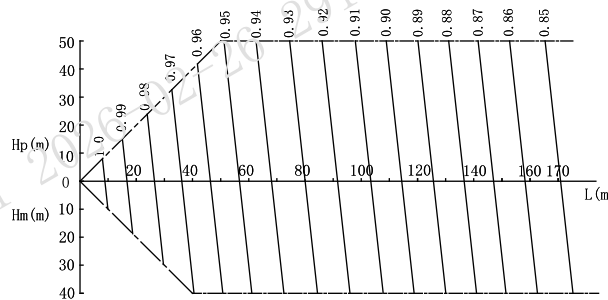
Cooling capacity	Gas pipe	Liquid pipe
20HP	Φ28.6mm	Φ15.9mm

22HP



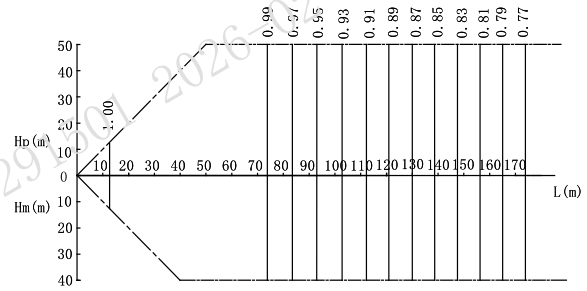
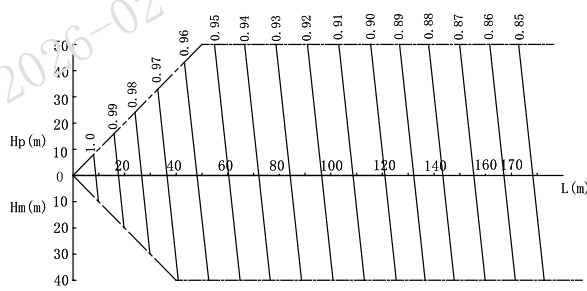
Cooling capacity	Gas pipe	Liquid pipe
22HP	Φ28.6mm	Φ15.9mm

46HP



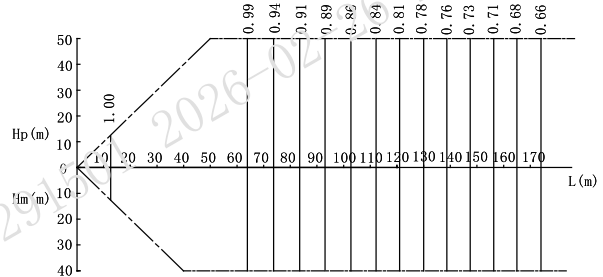
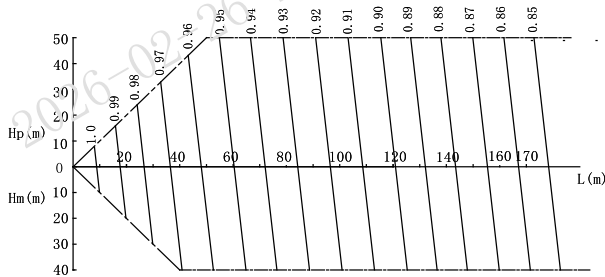
Cooling capacity	Gas pipe	Liquid pipe
46HP	Φ38.1mm	Φ19.05mm

48HP



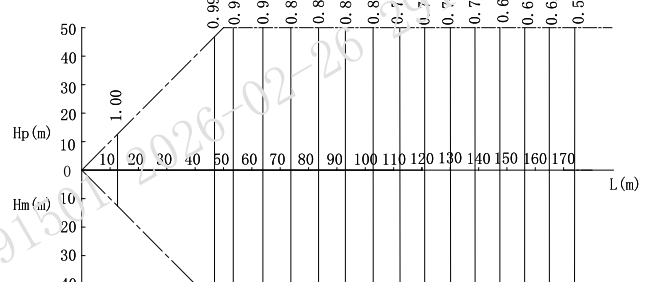
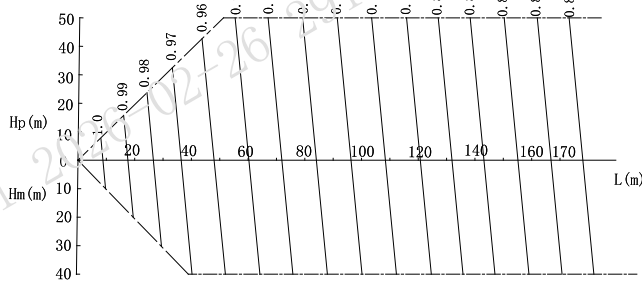
Cooling capacity	Gas pipe	Liquid pipe
48HP	Φ38.1mm	Φ19.05mm

50HP



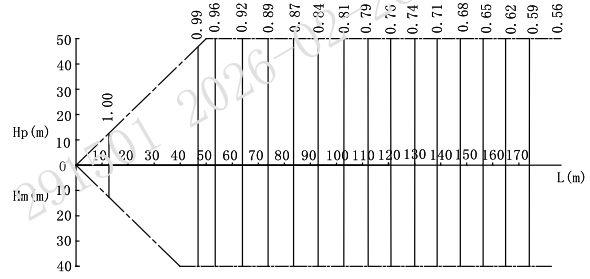
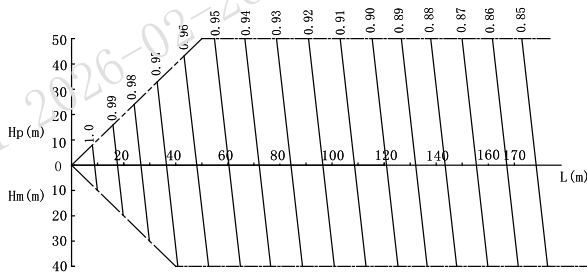
Cooling capacity	Gas pipe	Liquid pipe
50HP	Φ41.3mm	Φ19.05mm

52HP



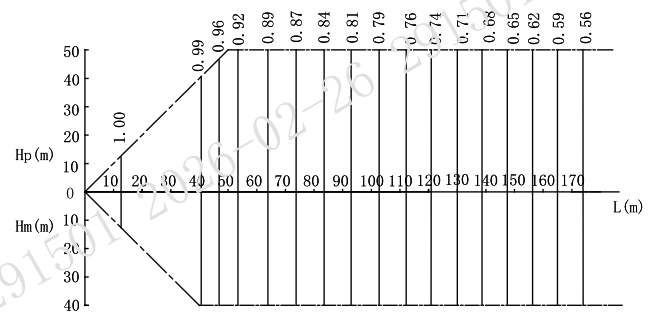
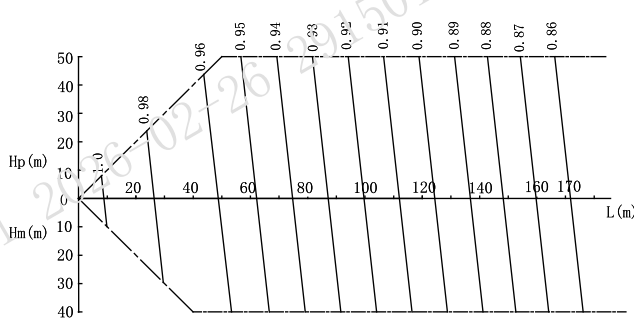
Cooling capacity	Gas pipe	Liquid pipe
52HP	Φ41.3mm	Φ19.05mm

54HP



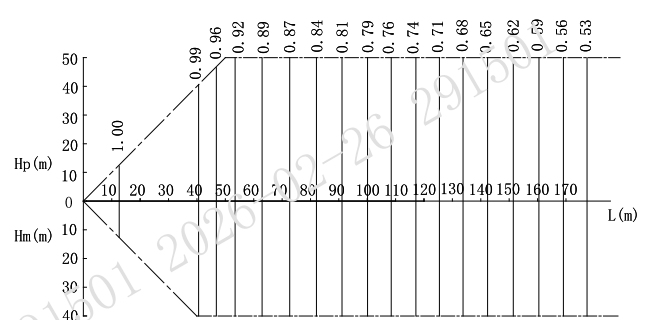
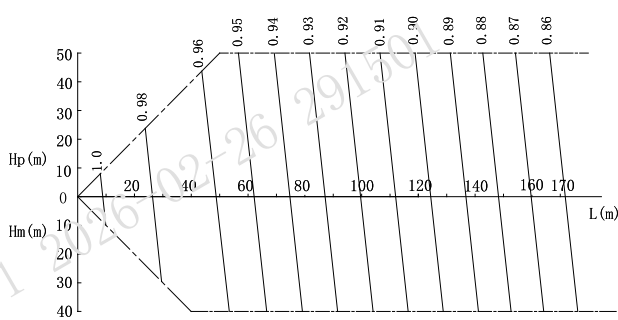
Cooling capacity	Gas pipe	Liquid pipe
54HP	Φ41.3mm	Φ19.05mm

56HP



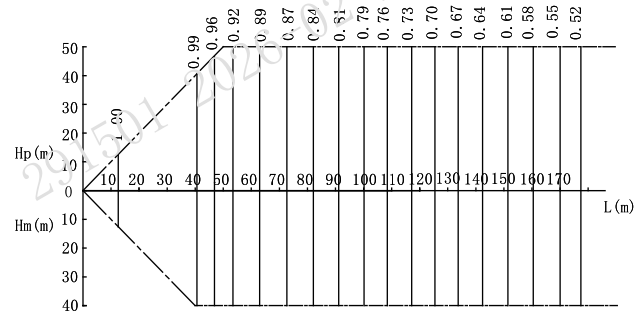
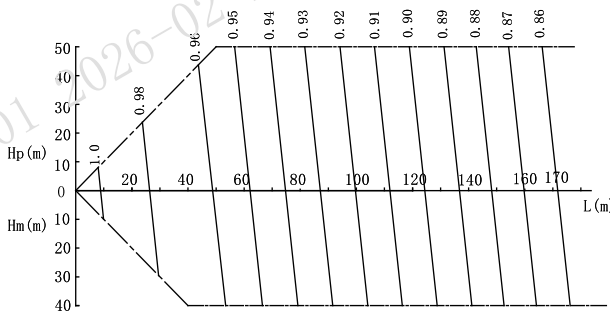
Cooling capacity	Gas pipe	Liquid pipe
56HP	Φ41.3mm	Φ19.05mm

58HP



Cooling capacity	Gas pipe	Liquid pipe
58HP	Φ41.3mm	Φ19.05mm

60-88HP



Cooling capacity	Gas pipe	Liquid pipe
60-66HP	Φ41.3mm	Φ19.05mm
68-88HP	Φ44.5mm	Φ22.2mm

Notes:

- ① H_p : Level difference when outdoor unit at upper
- ② H_m : Level difference when outdoor unit at lower
- ③ L : The length between ODU and the farthest IDU

- (1) Correction specification of long connection pipe:

The above long connection pipe correction is the maximal capacity under standard IDU capacity allocation.

- (2) Part load configuration are as follow:

Maximal system capacity: IDU capacity and the maximal capacity of ODU(two kinds of algorithms below), take the lesser one.

- 1) Connection ratio of IDU is below 100%

The maximal capacity of ODU= The capacity in the ODU capacity correction table when the connection ratio is $100\% \times \text{Long connection pipe correction coefficient of the farthest IDU}$.

- 2) Connection ratio of IDU is over 100%

The maximal capacity of ODU= The capacity corresponds to the connection ratio in the ODU capacity correction table $\times$ Long connection pipe correction coefficient of the farthest IDU.

4 Capacity Correction Factor According to Defrosting

When outdoor environment meet certain condition (temperature and humidity), frosting and defrosting might occur, under this situation, heating capacity of the unit will be attenuated. Therefore, please considering the frosting and defrosting correction factor when calculating the heating load model.

Defrosting correction factor is as follow:

Outdoor heat exchanger air inlet dry bulb temperature (°C/RH85%)	-11	-9	-7	-5	-3	0	3	5	7
Defrosting capacity correction factor	1	0.98	0.96	0.94	0.88	0.8	0.84	0.9	1



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