

# Service Manual

## Air Conditioner



### Indoor Unit

S-22KA1E5  
 S-28KA1E5  
 S-36KA1E5  
 S-45KA1E5  
 S-56KA1E5  
 S-63KA1E5  
 S-71KA1E5  
 S-22KA1E5S  
 S-28KA1E5S  
 S-36KA1E5S  
 S-45KA1E5S  
 S-45YA1E5  
 S-56YA1E5  
 S-63UA1E5  
 S-71UA1E5  
 S-90UA1E5  
 S-22NA1E5  
 S-28NA1E5  
 S-32NA1E5  
 S-36NA1E5  
 S-45NA1E5  
 S-56NA1E5  
 S-45MA1E5  
 S-56MA1E5  
 S-63MA1E5  
 S-71MA1E5  
 S-90MA1E5

### Outdoor Unit

U-4LA1E5  
 U-5LA1E5  
 U-6LA1E5  
 U-4LA1E5-1  
 U-5LA1E5-1  
 U-6LA1E5-1

#### WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the products dealt with in this service information by anyone else could result in serious injury or death.

#### PRECAUTION OF LOW TEMPERATURE

In order to avoid frostbite, be assured of no refrigerant leakage during the installation or repairing of refrigerant circuit.



# TABLE OF CONTENTS

<b>1. Safety Precautions</b> .....	<b>4</b>	<b>8.4 Slim Hide Away Type Indoor Unit – NA1E5 Series</b> .....	<b>62</b>
<b>2. Features</b> .....	<b>6</b>	<b>8.5 Low Static Pressure Hide Away Type Indoor Unit – MA1E5 Series</b> .....	<b>64</b>
<b>3. Product Specification</b> .....	<b>11</b>	<b>8.6 Outdoor Unit – LA1E5 Series</b> .....	<b>66</b>
<b>3.1 Wall Mounted Type Indoor Unit – KA1E5 / KA1E5S Series</b> .....	<b>11</b>	<b>9. Printed Circuit Board</b> .....	<b>68</b>
<b>3.2 60 x 60 Cassette Type Indoor Unit – YA1E5 Series</b> .....	<b>17</b>	<b>9.1 Wall Mounted Type Indoor Unit – KA1E5 Series</b> .....	<b>68</b>
<b>3.3 95 x 95 Cassette Type Indoor Unit – UA1E5 Series</b> .....	<b>21</b>	<b>9.2 60 x 60 Cassette Type Indoor Unit – YA1E5 Series</b> .....	<b>70</b>
<b>3.4 Slim Hide-Away Type Indoor Unit – NA1E5 Series</b> .....	<b>23</b>	<b>9.3 95 x 95 Cassette Type Indoor Unit – YA1E5 Series</b> .....	<b>71</b>
<b>3.5 Low Static Pressure Hide-Away Type Indoor Unit – MA1E5 Series</b> .....	<b>29</b>	<b>9.4 Slim Hide Away Type Indoor Unit – NA1E5 Series</b> .....	<b>71</b>
<b>3.6 Outdoor Unit – LA1E5 Series</b> .....	<b>35</b>	<b>9.5 Low Static Pressure Hide Away Type Indoor Unit – MA1E5 Series</b> .....	<b>72</b>
<b>4. Dimensions</b> .....	<b>37</b>	<b>9.6 Outdoor Unit – LA1E5 Series</b> .....	<b>73</b>
<b>4.1 Wall Mounted Type Indoor Unit</b> .....	<b>37</b>	<b>10. Remote Control Operating Instructions</b> .....	<b>76</b>
<b>4.2 60 x 60 Cassette Type Indoor Unit</b> .....	<b>39</b>	<b>10.1 Wired remote control CZ-RT1</b> .....	<b>76</b>
<b>4.3 95 x 95 Cassette Type Indoor Unit</b> .....	<b>40</b>	<b>10.2 Wireless Remote Control CZ-RWS1 – Heat Pump models / CZ-RWC1 – Cooling models</b> .....	<b>77</b>
<b>4.4 Slim Hide-Away Type Indoor Unit</b> .....	<b>41</b>	<b>11. Installation Instruction</b> .....	<b>78</b>
<b>4.5 Low Static Pressure Hide-Away Type Indoor Unit</b> .....	<b>42</b>	<b>11.1 Pipe Length</b> .....	<b>78</b>
<b>4.6 Outdoor Unit</b> .....	<b>44</b>	<b>11.2 Branch Pipe Connection CZ-P155BK1</b> .....	<b>79</b>
<b>5. Refrigeration Cycle Diagram</b> .....	<b>45</b>	<b>11.3 Capacity Correction</b> .....	<b>80</b>
<b>6. Block Diagram</b> .....	<b>46</b>	<b>12. Testing and Commissioning</b> .....	<b>81</b>
<b>6.1 Wall Mounted Type Indoor Unit – KA1E5 Series</b> .....	<b>46</b>	<b>12.1 Precautions Regarding Test Run</b> .....	<b>81</b>
<b>6.2 60 x 60 Cassette Type Indoor Unit – YA1E5 Series</b> .....	<b>46</b>	<b>12.2 Check before Test Run</b> .....	<b>81</b>
<b>6.3 95 x 95 Cassette Type Indoor Unit – UA1E5 Series</b> .....	<b>47</b>	<b>12.3 Test Run Procedure</b> .....	<b>82</b>
<b>6.4 Slim Hide Away Type Indoor Unit – NA1E5 Series</b> .....	<b>47</b>	<b>13. Outdoor Unit Operation Control</b> .....	<b>83</b>
<b>6.5 Low Static Pressure Hide Away Type Indoor Unit – MA1E5 Series</b> .....	<b>48</b>	<b>13.1 System Start Control</b> .....	<b>83</b>
<b>6.6 Outdoor Unit – LA1E5 Series</b> .....	<b>49</b>	<b>13.2 Compressor Startup control</b> .....	<b>83</b>
<b>7. Wiring Connection Diagram</b> .....	<b>50</b>	<b>13.3 Deice Control</b> .....	<b>84</b>
<b>7.1 Wall Mounted Type Indoor Unit – KA1E5 Series</b> .....	<b>50</b>	<b>13.4 Crank Case Heater Control</b> .....	<b>84</b>
<b>7.2 60 x 60 Cassette Type Indoor Unit – YA1E5 Series</b> .....	<b>51</b>	<b>14. Outdoor Unit Protection Control</b> .....	<b>85</b>
<b>7.3 95 x 95 Cassette Type Indoor Unit – UA1E5 Series</b> .....	<b>52</b>	<b>14.1 Cooling Oil Return Control</b> .....	<b>85</b>
<b>7.4 Slim Hide Away Type Indoor Unit – NA1E5 Series</b> .....	<b>53</b>	<b>14.2 Heating Oil Return Control</b> .....	<b>85</b>
<b>7.5 Low Static Pressure Hide Away Type Indoor Unit – MA1E5 Series</b> .....	<b>54</b>	<b>14.3 Overload Control</b> .....	<b>85</b>
<b>7.6 Outdoor Unit – LA1E5 Series</b> .....	<b>55</b>	<b>14.4 Low Load Control</b> .....	<b>85</b>
<b>8. Electronic Circuit Diagram</b> .....	<b>56</b>	<b>14.5 Compressor Discharge Temperature Control</b> .....	<b>86</b>
<b>8.1 Wall Mounted Type Indoor Unit – KA1E5 Series</b> .....	<b>56</b>	<b>14.6 Condenser Temperature Control</b> .....	<b>86</b>
<b>8.2 60 x 60 Cassette Type Indoor Unit – YA1E5 Series</b> .....	<b>58</b>	<b>14.7 Compressor Restart Delay Control</b> .....	<b>86</b>
<b>8.3 95 x 95 Cassette Type Indoor Unit – UA1E5 Series</b> .....	<b>60</b>	<b>14.8 Outdoor Residual Heat Removal Control</b> ..	<b>86</b>
		<b>14.9 Compressor Stops Control</b> .....	<b>86</b>
		<b>14.10 Cooling Low Outdoor Ambient Temperature Protection Control</b> .....	<b>87</b>
		<b>14.11 Heating High Outdoor Ambient Temperature Protection Control</b> .....	<b>87</b>
		<b>15. Indoor Unit Operation Control</b> .....	<b>88</b>
		<b>15.1 Operation Mode Priority Control</b> .....	<b>88</b>
		<b>15.2 Cooling Operation</b> .....	<b>88</b>
		<b>15.3 Soft Dry Operation</b> .....	<b>89</b>
		<b>15.4 Heating Operation</b> .....	<b>90</b>


15.5	Auto Operation .....	90
15.6	Indoor Fan Motor Operation .....	91
15.7	Airflow Direction .....	95
15.8	Odor Cut control .....	98
15.9	Drain Pump Control .....	98
15.10	Filter Check Control .....	99
<b>16.</b>	<b>Indoor Unit Protection Control .....</b>	<b>100</b>
16.1	Odor Remove control .....	100
16.2	Freeze Prevention control .....	100
16.3	Dew Prevention control .....	100
16.4	Mist Prevention Control .....	100
16.5	Hot Start Control .....	101
16.6	Indoor Residual Heat Removal Control ...	101
16.7	Auto Restart Control .....	101
<b>17.</b>	<b>Servicing Mode .....</b>	<b>102</b>
17.1	Emergency Operation .....	102
17.2	Pump down .....	103
17.3	Auto Restart Control .....	104
17.4	Power Save Control .....	104
17.5	Wired Remote Control Local Setting Mode....	105
17.6	Wireless Remote Control Local Setting Mode	107
17.7	AC Reset Control .....	108
<b>18.</b>	<b>Troubleshooting Guide .....</b>	<b>109</b>
<b>19.</b>	<b>Technical Data .....</b>	<b>111</b>
19.1	Operation Characteristic .....	111
19.2	Capacity and Power Input .....	112
19.3	Sensible Heat Capacity Table .....	115
19.4	Cooling Capacity Tables .....	118
19.5	Heating Capacity Tables .....	131
19.6	Combination Characteristic .....	145
19.7	Air Flow Volume .....	148
19.8	Sound Data .....	171
<b>20.</b>	<b>Operation range .....</b>	<b>184</b>
<b>21.</b>	<b>Allowable Pipe Length .....</b>	<b>185</b>
<b>22.</b>	<b>Combination Catalogue .....</b>	<b>186</b>
22.1	Cooling .....	186
22.2	Heating .....	191
22.3	Cooling .....	196
22.4	Heating .....	206
22.5	Cooling .....	216
22.6	Heating .....	237
<b>23.</b>	<b>Exploded View and Replacement Parts List</b>	<b>258</b>
23.1	Indoor Unit .....	258

# 1. Safety Precautions







- Read the following “SAFETY PRECAUTIONS” carefully before perform any servicing.
- Electrical work must be installed or serviced by a licensed electrician. Be sure to use the correct rating of the power plug and main circuit for the model installed.
- The caution items stated here must be followed because these important contents are related to safety. The meaning of each indication used is as below. Incorrect installation or servicing due to ignoring of the instruction will cause harm or damage, and the seriousness is classified by the following indications.

 <b>WARNING</b>	This indication shows the possibility of causing death or serious injury
 <b>CAUTION</b>	This indication shows the possibility of causing injury or damage to properties.

- The items to be followed are classified by the symbols:

	This symbol denotes item that is PROHIBITED from doing.
---	---





- Carry out test run to confirm that no abnormality occurs after the servicing. Then, explain to user the operation, care and maintenance as stated in instructions. Please remind the customer to keep the operating instructions for future reference.

 <b>WARNING</b>	
1. Do not modify the machine, part, material during repairing service.	
2. If wiring unit is supplied as repairing part, do not repair or connect the wire even only partial wire break. Exchange the whole wiring unit.	
3. Do not wrench the fasten terminal. Pull it out or insert it straightly.	
4. Engage dealer or specialist with ISO5149 or equivalent requirement for installation and servicing. If installation of servicing done by the user is defective, it will cause water leakage, electrical shock or fire.	
5. Install according to this installation instructions strictly. If installation is defective, it will cause water leakage, electric shock or fire.	
6. Use the attached accessories parts and specified parts for installation and servicing. Otherwise, it will cause the set to fall, water leakage, fire or electrical shock.	
7. Install at a strong and firm location which is able to withstand the set’s weight. If the strength is not enough or installation is not properly done, the set will drop and cause injury.	
8. For electrical work, follow the local national wiring standard, regulation and the installation instruction. An independent circuit and single outlet must be used. If electrical circuit capacity is not enough or defect found in electrical work, it will cause electrical shock or fire.	
9. This equipment is strongly recommended to install with Earth Leakage Circuit Breaker (ELCB) or Residual Current Device (RCD). Otherwise, it may cause electrical shock and fire in case equipment breakdown or insulation breakdown.	
10. Do not use joint cable for indoor / outdoor connection cable. Use the specified indoor / outdoor connection cable, refer to installation instruction CONNECT THE WIRES TO THE CONTROL BOX and connect tightly for indoor / outdoor connection. Clamp the cable so that no external force will be acted on the terminal. If connection or fixing is not perfect, it will cause heat up or fire at the connection.	
11. Wire routing must be properly arranged so that control board cover is fixed properly. If control board cover is not fixed perfectly, it will cause heat-up or fire at the connection point of terminal, fire or electrical shock.	
12. When install or relocate air conditioner, do not let any substance other than the specified refrigerant, eg. air etc. mix into refrigeration cycle (piping). (Mixing of air etc. will cause abnormal high pressure in refrigeration cycle and result in explosion, injury etc.).	
13. Do not install outdoor unit near handrail of veranda. When installing air-conditioner unit at veranda of high rise building, child may climb up to outdoor unit and cross over the handrail and causing accident.	
14. This equipment must be properly earthed. Earth line must not be connected to gas pipe, water pipe, earth of lightning rod and telephone. Otherwise, it may cause electrical shock in case equipment breakdown or insulation breakdown.	
15. When connecting the piping, do not allow air or any substances other than the specified refrigerant to enter the refrigeration cycle. Otherwise, this may lower the capacity, cause abnormally high pressure in the refrigeration cycle, and possibly result in explosion and injury.	
16. Do not damage or use unspecified power supply cord. Otherwise it will cause fire or electric shock.	
17. Do not modify the length of the power supply cord or use extension cord, and do not share the single outlet with other electric appliances. Otherwise, it will cause fire or electric shock.	
18. It is desirable that the amount of residual oil is less than 40 mg/10m.	



- |   |
|---|
| 19. During installation, before run the compressor, confirm the refrigerant pipes are fixed. Operation of compressor without fixing the piping, setting the valves at open condition, a burst may occur and cause injury. |
| 20. After completion of installation or service, confirm there is no leakage or refrigerant gas. It may generate toxic gas when the refrigerant contacts with fire or spark.  |
| 21. Ventilate if there is refrigerant gas leakage during operation. It may cause toxic gas when refrigerant contacts with fire.   |

 **CAUTION**

- |  |   |
|--|---|
| 1. Do not install the unit at place where leakage of flammable gas may occur. In case gas leaks and accumulates at surrounding of the unit, it may cause fire.   |    |
| 2. Carry out drainage piping as mentioned in installation instructions. If drainage is not perfect, water may enter the room and damage the furniture.   |   |
| 3. Tighten the flare nut with torque wrench according to specified method. If the flare nut is over-tightened, after a long period, the flare may break and cause refrigerant gas leakage.   |   |
| 4. Do not touch outdoor unit air inlet and aluminium fin. It may cause injury.   |    |
| 5. Select an installation location which is easy for maintenance.  |   |
| 6. Pb free solder has a higher melting point than standard solder; typically the melting point is 50°F – 70°F (30°C – 40°C) higher. Please use a high temperature solder iron. In case of the soldering iron with temperature control, please set it to 700 ± 20°F (370 ± 10°C). Pb free solder will tend to splash when heated too high (about 1100°F / 600°C).   |   |
| 7. Power supply connection to the air conditioner. Connect the power supply cord of the air conditioner to the mains using one of the following methods.<br>Power supply point shall be the place where there is ease for access for the power disconnection in case of emergency. In some countries, permanent connection of this room air conditioner to the power supply is prohibited.<br>i. Power supply connection to the receptacle using a power plug. Use an approved power plug with earth pin for the connection to the socket.<br>ii. Power supply connection to a circuit breaker for the permanent component. Use an approved circuit breaker for the permanent connection. It must be a double pole switch with a minimum 3.5 mm contact gap. |   |
| 8. Do not release refrigerant during piping work for installation, servicing, reinstallation and during repairing a refrigerant parts. Take care of the liquid refrigerant, it may cause frostbite.  |  |
| 9. Installation work: It may need two people to carry out the installation work.   |   |
| 10. Do not install this appliance in a laundry room or other location where water may drip from the ceiling, etc.  |  |

## 2. Features

- **Highly Efficient Inverter Technology**
  - Uses Panasonic advanced inverter technology, intelligent and flexible control ability to achieve energy saving; Meanwhile, the outdoor unit is capable to drive multiple indoor units.
- **More Variety of Indoor Unit Types**
  - There are 6 different Indoor unit types available

kW	2.2kW	2.8kW	3.2kW	3.6kW	4.5kW	5.6kW	6.3kW	7.1kW	9.0kW
BTU/h	7500	9600	10900	12300	15400	19100	21500	24200	30700
Wall Mounted - White KA1E5 SERIES	○	○		○	○	○	○	○	
Wall Mounted - Silver KA1E5S SERIES	○	○		○	○				
60 x 60 Cassette YA1E5 SERIES	○	○		○	○	○			
95 x 95 Cassette UA1E5 SERIES							○	○	○
Slim Hide-away NA1E5 SERIES	○	○	○	○	○	○			
Low Static Pressure Hide-away MA1E5 SERIES					○	○	○	○	○

Altogether 30 models make up a wide range of indoor units to suit the modern interior design requirement.

- **Wall-mounted Type Indoor Unit**
  - KA1E5, KA1E5S Series
    - Delicate design.
    - Easy installation.
    - Refrigerant distributor.
    - Easy Servicing with 7 segment Error Code Display at panel.
- **60 x 60 Cassette Type Indoor Unit**
  - YA1E5 Series
    - Light and thin design with thickness of 24cm, allowing easy installation.
    - Easy Servicing with 7 segment Error Code Display at panel.
- **95 x 95 Cassette Type Indoor Unit**
  - UA1E5 Series
    - Flexible and convenient Drain-Up mechanism.
    - Light and thin design with thickness of 24cm, allowing easy installation.
    - Easy Servicing with 7 segment Error Code Display at panel.
- **Slim Hide-away Type Indoor Unit**
  - NA1E5 Series
    - Light body with a thickness of 20cm only.
    - Flexible installation options.
    - Selectable air inlet.
    - Adjustable static pressure 0mmAq or 3mmAq.
    - Easy Servicing with 7 segment Error Code Display at panel.
- **Low Static Pressure Hide-away Type Indoor Unit**
  - MA1E5 Series
    - Flexible and convenient Drain-Up mechanism.
    - Light and thin design with thickness of 25cm, allowing easy installation.
    - Selectable air inlet.
    - Adjustable static pressure 5mmAq or 7mmAq.
    - Easy filter maintenance.
    - Easy Servicing with 7 segment Error Code Display at panel.

## Wired Remote Control

### CZ-RT1

1. Includes an easily-visible red pilot indicator. The power can be turned on and off at a single touch, without opening the cover.
2. The built-in thermistor allows indoor temperature detection in accordance with indoor conditions by switching with indoor unit thermistor.
3. Twin non-polar wires make installation work easy. (10m cable supplied as accessory).



## Wireless Remote Control

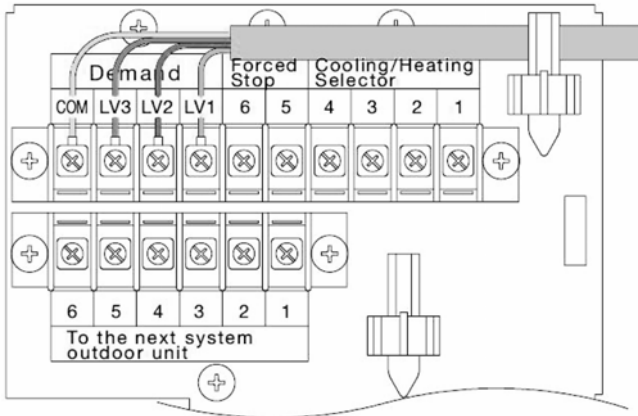
### CZ-RWS1 – Heat pump models / CZ-RWC1 – Cooling models

1. New ergonomic design.
2. Built-in 24 hours OFF/ON timer.



**Interface Module for External Control / Integration  
CZ-CAP1**

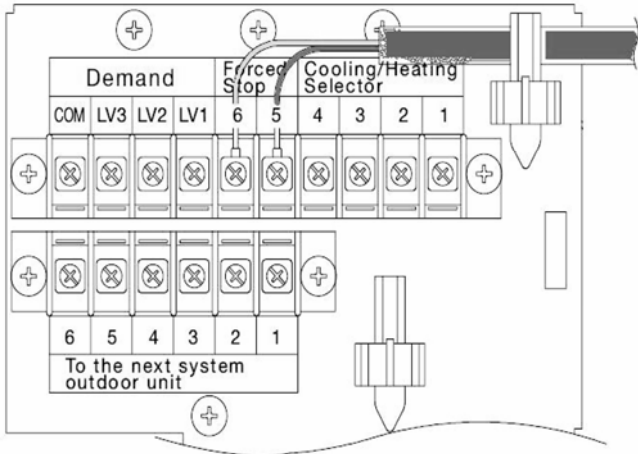
- Demand Control
  - With Demand Control, it is possible to limit maximum electrical current to air conditioner. This usually used to integrate with central control system, building automation system or etc.



From external device, it is required to use a volt free contact (relay) for integration.  
(DC24V 2mA , wire length max 150m)

COM shorted with	Max rated current
LV1	70%
LV2	40%
LV3	0%

- Forced Stop
  - With the Forced Stop input, it is possible to override the air conditioning operation to force stop if signal is received from a fire alarm system, BAS or etc.



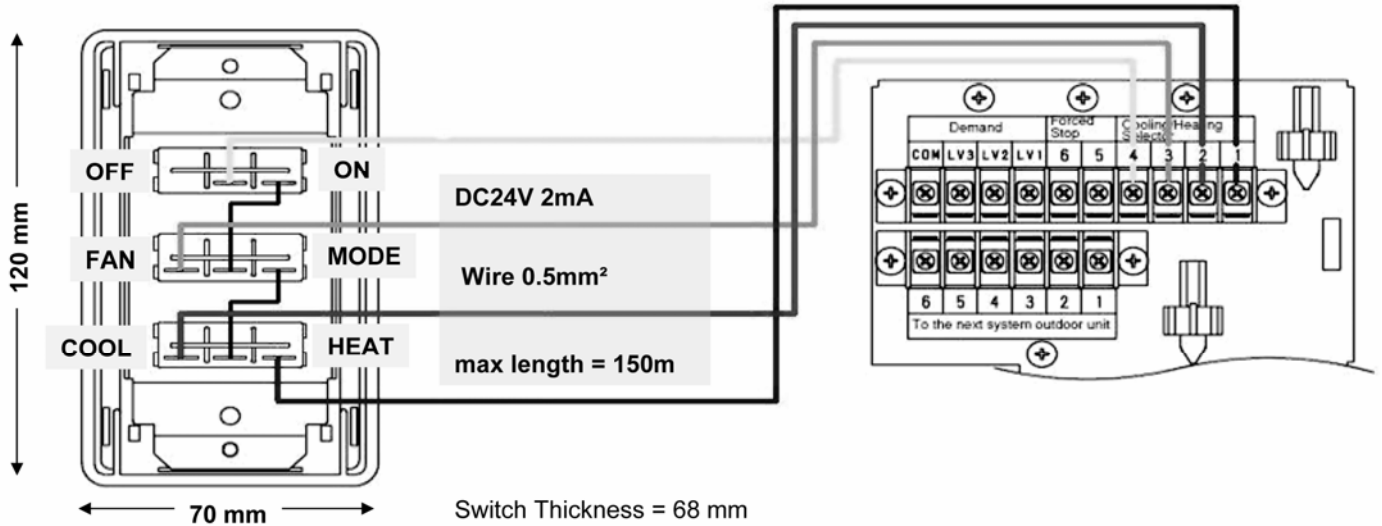
From external device, it is required to use a volt free contact (relay) for integration.  
(DC24V 2mA , wire length max 150m)

When contact closed, AC will forced and continue stop operation.

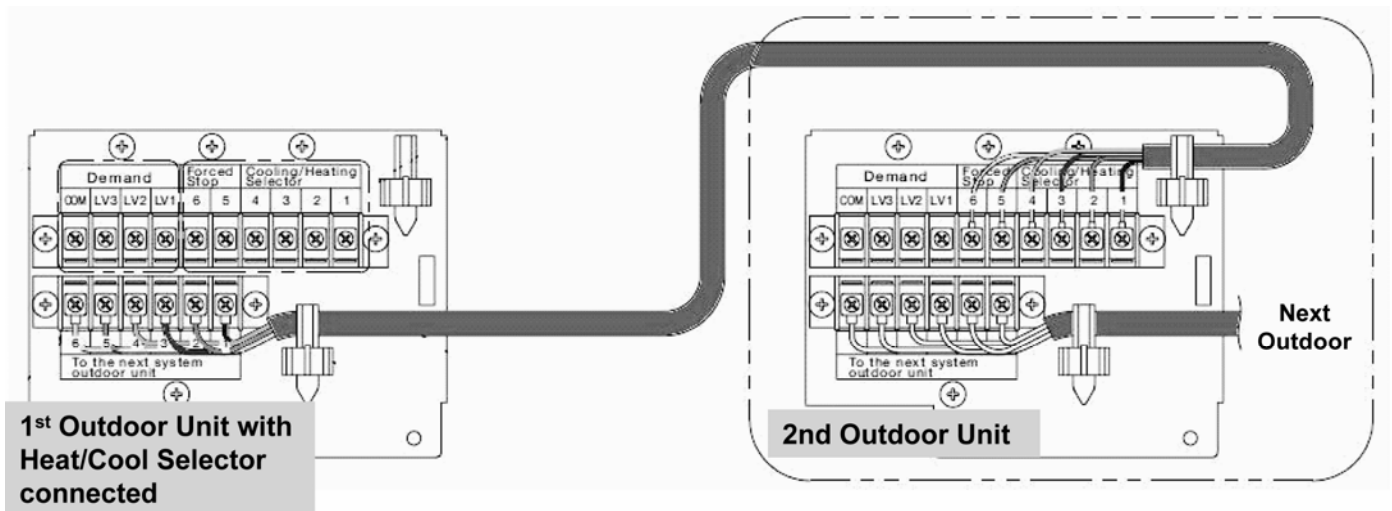
When contact opened, AC will switch to standby condition.

LED display on PCB							
2	3	4	5	6	7	8	9
○	○	○	○	○	○	○	○

- Heat / Cool Mode selection
  - Must use together with Cooling / Heating Selector Switch (CZ-RD1)
  - With the heat cool selector switch, operation mode (Heat / Cool / Fan) can be set & fixed by higher authority user.
  - If OFF selected, Unit will operate freely base on remote setting.
  - If ON & FAN selected, Unit will in priority to operate fan mode only.
  - If ON & MODE & HEAT selected, unit will in priority to operate heat mode only.
  - Priority mode is indicated in wired remote. If remote setting is not same mode with Priority Mode, indoor unit will standby until priority mode canceled. (power led blinks ON 2.5sec;OFF 0.5sec)



- Share External Signals to Next Outdoor Unit
  - The Cooling / Heating Selector and Forced Stop input signals can be share with next outdoor systems.
  - Maximum 30 outdoor units can share these signals.
  - Wire requirement : 0.5mm<sup>2</sup> diameter and maximum length is 100m.
  - Demand control signal cannot be shared to the next system.



## Group control equipment

Wired Remote Control	<b>Group Control by one remote control</b> <ul style="list-style-type: none"> <li>All air conditioner units are controlled as a whole by the remote control.</li> <li>All indoor units operate in the same mode.</li> </ul>		<b>Remote side</b> <ul style="list-style-type: none"> <li>Optional wired remote control.</li> </ul> <b>Local Side</b> <ul style="list-style-type: none"> <li>Not required.</li> </ul>
	<b>Twin remote control separate control</b> <ul style="list-style-type: none"> <li>Each indoor unit can be operated by either one of the two remote controls.</li> <li>Apart from timer setting time, displays for two remote controls are identical.</li> <li>Last pressed button has priority (main or slave is set at remote control).</li> </ul>		<b>Remote side</b> <ul style="list-style-type: none"> <li>Optional wired remote control</li> </ul> <b>Local side</b> <ul style="list-style-type: none"> <li>Optional wired remote control</li> </ul>
Common control	<b>Common control / group</b> <ul style="list-style-type: none"> <li>Operation is possible using either wired or wireless remote control unit.</li> <li>Last pressed button has priority.</li> </ul>		<ul style="list-style-type: none"> <li>Optional wired remote control and wireless remote control.</li> </ul>

## Centralized control system possibility (for Europe market only)

Centralized Control (UM NET)	
Urban Controller	
BMS RS232C Serial Connection	

### 3. Product Specification

#### 3.1 Wall Mounted Type Indoor Unit – KA1E5 / KA1E5S Series

Indoor Unit				S-22KA1E5 S-22KA1E5S	S-28KA1E5 S-28KA1E5S	S-36KA1E5 S-36KA1E5S	
Panel				-			
Remote Control		Wired		CZ-RT1			
		Wireless		CZ-RWS1 (Heat-pump models) CZ-RWC1 (Cooling models)			
Performance Test Condition				ISO 5151			
Power Supply		Phase		1	1	1	
		V		220/230/240	220/230/240	220/230/240	
		Hz		50	50	50	
Cooling	Capacity		kW	2.20	2.80	3.60	
			BTU/h	7500	9600	12300	
	Running Current		A	0.25	0.30	0.35	
	Input Power		W	25	27	30	
	Noise level		dB-A (H / L)	38 / 33	39 / 33	42 / 34	
			Power level dB (H / L)	53 / 48	54 / 48	57 / 49	
Heating	Capacity		kW	2.50	3.20	4.20	
			BTU/h	8500	10900	14300	
	Running Current		A	0.25	0.30	0.35	
	Input Power		W	25	27	30	
	Noise level		dB-A (H / L)	38 / 33	39 / 33	42 / 34	
			Power level dB (H / L)	53 / 48	54 / 48	57 / 49	
External Static Pressure		Pa	-	-	-		
Max Current		A	0.30	0.35	0.40		
Max Input Power		W	35	37	40		
Indoor Fan	Type			Cross-Flow Fan	Cross-Flow Fan	Cross-Flow Fan	
	Material			ASG30K1	ASG30K1	ASG30K1	
	Motor type			DC (8-Poles)	DC (8-Poles)	DC (8-Poles)	
	Input power		W	-	-	-	
	Output power		W	30	30	30	
	Speed	Lo	Cool	r.p.m.	810	840	940
			Heat	r.p.m.	940	980	1020
		Me	Cool	r.p.m.	920	970	1070
			Heat	r.p.m.	1020	1070	1140
		Hi	Cool	r.p.m.	1030	1100	1200
Heat			r.p.m.	1100	1170	1260	
Moisture Removal		L/h (Pt/h)	1.3 (2.7)	1.6 (3.4)	2.1 (4.4)		
Indoor Airflow	Lo	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	6.9 (245)	6.8 (240)	7.9 (279)	
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	8.4 (295)	8.4 (296)	8.8 (310)	
	Me	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	8.2 (290)	8.3 (293)	9.4 (332)	
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	9.4 (330)	9.5 (335)	10.2 (360)	
	Hi	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	9.5 (335)	9.7 (342)	10.9 (385)	
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	10.3 (364)	10.9 (385)	11.6 (409)	
Refrigeration Cycle		Control Device	Expansion Valve	Expansion Valve	Expansion Valve		
Dimension	Height		mm (inch)	290 (11-7/16)	290 (11-7/16)	290 (11-7/16)	
	Width		mm (inch)	870 (34-9/32)	870 (34-9/32)	870 (34-9/32)	
	Depth		mm (inch)	204 (8-1/16)	204 (8-1/16)	204 (8-1/16)	
Net weight		kg (lbs)	9 (20)	9 (20)	9 (20)		

Piping	Diameter	Gas side	mm (inch)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)
		Liquid side	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Max Length		m (ft)	15.0 (49.20)	15.0 (49.20)	15.0 (49.20)
Drain hose	External diameter		mm	16	16	16
	Length		mm	650	650	650
Indoor Heat Exchanger	Fin material			Aluminium (Pre Coat)	Aluminium (Pre Coat)	Aluminium (Pre Coat)
	Fin Type			Slit Fin	Slit Fin	Slit Fin
	Row x Stage x FPI			2 x 15 x 21	2 x 15 x 21	2 x 15 x 21
	Size (W x H x L)		mm	610.0 x 315.0 x 25.4	610.0 x 315.0 x 25.4	610.0 x 315.0 x 25.4
Air Filter	Material			Polypropylene	Polypropylene	Polypropylene
	Type			One-Touch	One-Touch	One-Touch
Power Supply				Indoor Power Supply	Indoor Power Supply	Indoor Power Supply
Power cord	Length		m (ft)	-	-	-
	Core x Diameter		mm <sup>2</sup>	-	-	-
Thermostat				Electronic Control	Electronic Control	Electronic Control
Indoor Operation Range	Cool	Maximum	°C	32	32	32
		Minimum	°C	21	21	21
	Heat	Maximum	°C	27	27	27
		Minimum	°C	16	16	16

1. Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°F Wet Bulb) and outdoor air temperature of 35°C Dry Bulb (95°F Dry Bulb), 24°C Wet Bulb (75.2°F Wet Bulb).
2. Heating capacities are based on indoor temperature of 20°C Dry Bulb (68.0°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb).
3. Heating low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor 2/1°C.
4. Heating extreme low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor -7/-8°C.
5. Specifications are subjected to change without prior notice for future improvement.



Indoor Unit				S-45KA1E5 S-45KA1E5S	S-56KA1E5	
Panel				-		
Remote Control		Wired		CZ-RT1		
		Wireless		CZ-RWS1 (Heat-pump models) CZ-RWC1 (Cooling models)		
Performance Test Condition				ISO5151		
Power Supply		Phase		1	1	
		V		220/230/240	220/230/240	
		Hz		50	50	
Cooling	Capacity		kW	4.50	5.60	
			BTU/h	15400	19100	
	Running Current		A	0.40	0.40	
	Input Power		W	35	45	
	Noise level		dB-A (H / L)	43 / 35	44 / 38	
			Power level dB (H / L)	58 / 50	59 / 53	
Heating	Capacity		kW	5.10	6.40	
			BTU/h	17400	21800	
	Running Current		A	0.40	0.40	
	Input Power		W	35	45	
	Noise level		dB-A (H / L)	43 / 35	44 / 38	
			Power level dB (H / L)	58 / 50	59 / 53	
External Static Pressure		Pa	-	-		
Max Current		A	0.45	0.45		
Max Input Power		W	45	55		
Indoor Fan	Type		Cross-Flow Fan		Cross-Flow Fan	
	Material		ASG30K1		ASG30K1	
	Motor type		DC (8-Poles)		DC (8-Poles)	
	Input power		W	-	-	
	Output power		W	30	30	
	Speed	Lo	Cool	r.p.m.	960	980
			Heat	r.p.m.	1040	1130
		Me	Cool	r.p.m.	1090	1120
			Heat	r.p.m.	1170	1240
		Hi	Cool	r.p.m.	1230	1260
Heat			r.p.m.	1300	1350	
Moisture Removal		L/h (Pt/h)	2.5 (5.3)	3.2 (6.7)		
Indoor Airflow	Lo	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	8.2 (289)	11.1 (392)	
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	9.1 (321)	13.4 (473)	
	Me	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	9.7 (342)	13.2 (466)	
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	10.6 (374)	15.0 (529)	
	Hi	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	11.3 (399)	15.3 (540)	
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	12.1 (427)	16.7 (590)	
Refrigeration Cycle		Control Device	Expansion Valve	Expansion Valve		
Dimension	Height		mm (inch)	290 (11-7/16)	290 (11-7/16)	
	Width		mm (inch)	870 (34-9/32)	1070 (42-5/32)	
	Depth		mm (inch)	204 (8-1/16)	235 (9-9/32)	
Net weight		kg (lbs)	9 (20)	11 (24)		
Piping	Diameter	Gas side	mm (inch)	12.70 (1/2)	12.70 (1/2)	
		Liquid side	mm (inch)	6.35 (1/4)	6.35 (1/4)	
	Max Length		m (ft)	15.0 (49.20)	15.0 (49.20)	

Drain hose	External diameter	mm			
	Length	mm	650	650	
Indoor Heat Exchanger	Fin material		Aluminium (Pre Coat)	Aluminium (Pre Coat)	
	Fin Type		Slit Fin	Slit Fin	
	Row x Stage x FPI		2 x 15 x 21	2 x 15 x 19	
	Size (W x H x L)	mm	610.0 x 315.0 x 25.4	810.0 x 315.0 x 25.4	
Air Filter	Material		Polypropylene	Polypropylene	
	Type		One-Touch	One-Touch	
Power Supply			Indoor Power Supply	Indoor Power Supply	
Power cord	Length	m (ft)	-	-	
	Core x Diameter	mm <sup>2</sup>	-	-	
Thermostat			Electronic Control	Electronic Control	
Indoor Operation Range	Cool	Maximum	°C	32	32
		Minimum	°C	21	21
	Heat	Maximum	°C	27	27
		Minimum	°C	16	16

1. Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°F Wet Bulb) and outdoor air temperature of 35°C Dry Bulb (95°F Dry Bulb), 24°C Wet Bulb (75.2°F Wet Bulb).
2. Heating capacities are based on indoor temperature of 20°C Dry Bulb (68.0°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb).
3. Heating low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor 2/1°C.
4. Heating extreme low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor -7/-8°C.
5. Specifications are subjected to change without prior notice for future improvement.

Indoor Unit				S-63KA1E5	S-71KA1E5	
Panel				-		
Remote Control		Wired		CZ-RT1		
		Wireless		CZ-RWS1 (Heat-pump models) CZ-RWC1 (Cooling models)		
Performance Test Condition				ISO5151		
Power Supply		Phase		1	1	
		V		220/230/240	220/230/240	
		Hz		50	50	
Cooling	Capacity		kW	6.30	7.10	
			BTU/h	21500	24200	
	Running Current		A	0.45	0.50	
	Input Power		W	50	55	
	Noise level		dB-A (H / L)	46 / 39	48 / 40	
			Power level dB (H / L)	51 / 54	53 / 55	
Heating	Capacity		kW	7.10	8.00	
			BTU/h	24200	27300	
	Running Current		A	0.45	0.50	
	Input Power		W	50	55	
	Noise level		dB-A (H / L)	46 / 39	48 / 40	
			Power level dB (H / L)	51 / 54	53 / 55	
External Static Pressure		Pa	-	-		
Max Current		A	0.50	0.55		
Max Input Power		W	60	65		
Indoor Fan	Type			Cross-Flow Fan	Cross-Flow Fan	
	Material			ASG30K1	ASG30K1	
	Motor type			DC (8-Poles)	DC (8-Poles)	
	Input power		W	-	-	
	Output power		W	30	30	
	Speed	Lo	Cool	r.p.m.	1040	1080
			Heat	r.p.m.	1160	1200
		Me	Cool	r.p.m.	1200	1270
			Heat	r.p.m.	1300	1360
		Hi	Cool	r.p.m.	1360	1460
Heat			r.p.m.	1440	1520	
Moisture Removal		L/h (Pt/h)	3.6 (7.6)	4.2 (8.8)		
Indoor Airflow	Lo	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	11.4 (402)	12.0 (423)	
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	13.1 (462)	13.7 (484)	
	Me	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	13.7 (484)	14.7 (519)	
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	15.1 (533)	16.0 (565)	
	Hi	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	16.0 (565)	17.4 (614)	
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	17.1 (604)	18.3 (646)	
Refrigeration Cycle		Control Device	Expansion Valve	Expansion Valve		
Dimension	Height		mm (inch)	290 (11-7/16)	290 (11-7/16)	
	Width		mm (inch)	1070 (42-5/32)	1070 (42-5/32)	
	Depth		mm (inch)	235 (9-9/32)	235 (9-9/32)	
Net weight		kg (lbs)	12 (26)	12 (26)		
Piping	Diameter	Gas side	mm (inch)	12.70 (1/2)	15.88 (5/8)	
		Liquid side	mm (inch)	6.35 (1/4)	9.52 (3/8)	
	Max Length		m (ft)	15.0 (49.20)	15.0 (49.20)	

Drain hose	External diameter	mm			
	Length	mm	650	650	
Indoor Heat Exchanger	Fin material		Aluminium (Pre Coat)	Aluminium (Pre Coat)	
	Fin Type		Slit Fin	Slit Fin	
	Row x Stage x FPI		2 x 15 x 21	2 x 15 x 21	
	Size (W x H x L)		810.0 x 315.0 x 25.4	810.0 x 315.0 x 25.4	
Sub Heat Exchanger	Fin material		Aluminium (Pre Coat)	Aluminium (Pre Coat)	
	Fin Type		Slit Fin	Slit Fin	
	Row x Stage x FPI		1 x 4 x 21	1 x 4 x 21	
	Size (W x H x L)		810.0 x 84.5 x 12.7	810.0 x 84.5 x 12.7	
Air Filter	Material		Polypropylene	Polypropylene	
	Type		One-Touch	One-Touch	
Power Supply			Indoor Power Supply	Indoor Power Supply	
Power cord	Length	m (ft)	-	-	
	Core x Diameter	mm <sup>2</sup>	-	-	
Thermostat			Electronic Control	Electronic Control	
Indoor Operation Range	Cool	Maximum	°C	32	32
		Minimum	°C	21	21
	Heat	Maximum	°C	27	27
		Minimum	°C	16	16

1. Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°F Wet Bulb) and outdoor air temperature of 35°C Dry Bulb (95°F Dry Bulb), 24°C Wet Bulb (75.2°F Wet Bulb).
2. Heating capacities are based on indoor temperature of 20°C Dry Bulb (68.0°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb).
3. Heating low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor 2/1°C.
4. Heating extreme low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor -7/-8°C.
5. Specifications are subjected to change without prior notice for future improvement.

### 3.2 60 x 60 Cassette Type Indoor Unit – YA1E5 Series

Indoor Unit				S-22YA1E5	S-28YA1E5	S-36YA1E5	
Panel				CZ-KPY1			
Remote Control		Wired		CZ-RT1			
		Wireless		CZ-RWS1 (Heat-pump models) CZ-RWC1 (Cooling models)			
Performance Test Condition				ISO 5151			
Power Supply		Phase		1	1	1	
		V		220/230/240	220/230/240	220/230/240	
		Hz		50	50	50	
Cooling	Capacity		kW	2.20	2.80	3.60	
			BTU/h	7500	9600	12300	
	Running Current		A	0.30	0.30	0.35	
	Input Power		W	35	35	40	
	Noise level		dB-A (H / L)	36 / 33	37 / 33	38 / 34	
			Power level dB (H / L)	51 / 48	52 / 48	53 / 49	
Heating	Capacity		kW	2.50	3.20	4.20	
			BTU/h	8500	10900	14300	
	Running Current		A	0.30	0.30	0.35	
	Input Power		W	35	35	50	
	Noise level		dB-A (H / L)	36 / 33	37 / 33	38 / 34	
			Power level dB (H / L)	51 / 48	52 / 48	53 / 49	
External Static Pressure		Pa	-	-	-		
Max Current		A	0.35	0.35	0.40		
Max Input Power		W	45	45	40		
Indoor Fan	Type			Turbo Fan	Turbo Fan	Turbo Fan	
	Material			ABS + GF 10%	ABS + GF 10%	ABS + GF 10%	
	Motor type			DC (8-Poles)	DC (8-Poles)	DC (8-Poles)	
	Input power		W	-	-	-	
	Output power		W	40	40	40	
	Speed	Lo	Cool	r.p.m.	430	430	440
			Heat	r.p.m.	500	520	540
		Me	Cool	r.p.m.	490	500	520
			Heat	r.p.m.	545	565	585
		Hi	Cool	r.p.m.	560	580	600
Heat			r.p.m.	590	610	630	
Moisture Removal		L/h (Pt/h)	1.3 (2.7)	1.6 (3.4)	2.1 (4.4)		
Indoor Airflow	Lo	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	6.2 (219)	6.2 (219)	6.4 (226)	
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	7.4 (261)	7.7 (272)	8.0 (282)	
	Me	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	7.3 (258)	7.4 (261)	7.7 (272)	
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	8.1 (286)	8.4 (296)	8.7 (307)	
	Hi	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	8.3 (293)	8.6 (304)	9.0 (318)	
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	9.3 (328)	9.6 (339)	9.9 (349)	
Refrigeration Cycle		Control Device	Expansion Valve	Expansion Valve	Expansion Valve		
Dimension	Height		mm (inch)	260 (10-1/4)	260 (10-1/4)	260 (10-1/4)	
	Width		mm (inch)	575 (22-21/32)	575 (22-21/32)	575 (22-21/32)	
	Depth		mm (inch)	575 (22-21/32)	575 (22-21/32)	575 (22-21/32)	
Net weight		kg (lbs)	18 (40)	18 (40)	18 (40)		

Piping	Diameter	Gas side	mm (inch)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)
		Liquid side	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Max Length		m (ft)	15.0 (49.20)	15.0 (49.20)	15.0 (49.20)
Drain hose	External diameter		mm	36	36	36
	Length		mm	193	193	193
Indoor Heat Exchanger	Fin material			Aluminium (Pre Coat)	Aluminium (Pre Coat)	Aluminium (Pre Coat)
	Fin Type			Slit Fin	Slit Fin	Slit Fin
	Row x Stage x FPI					
	Size (W x H x L)		mm	1285 x 210 x 12.7 1225 x 210 x 12.7	1285 x 210 x 12.7 1225 x 210 x 12.7	1285 x 210 x 12.7 1225 x 210 x 12.7
Air Filter	Material					
	Type					
Power Supply				Indoor Power Supply	Indoor Power Supply	Indoor Power Supply
Power cord	Length		m (ft)	-	-	-
	Core x Diameter		mm <sup>2</sup>	-	-	-
Thermostat				Electronic Control	Electronic Control	Electronic Control
Indoor Operation Range	Cool	Maximum	°C	32	32	32
		Minimum	°C	21	21	21
	Heat	Maximum	°C	27	27	27
		Minimum	°C	16	16	16

1. Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°F Wet Bulb) and outdoor air temperature of 35°C Dry Bulb (95°F Dry Bulb), 24°C Wet Bulb (75.2°F Wet Bulb).
2. Heating capacities are based on indoor temperature of 20°C Dry Bulb (68.0°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb).
3. Heating low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor 2/1°C.
4. Heating extreme low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor -7/-8°C.
5. Specifications are subjected to change without prior notice for future improvement.

Indoor Unit				S-45YA1E5	S-56YA1E5	
Panel				CZ-KPY1		
Remote Control		Wired		CZ-RT1		
		Wireless		CZ-RWS1 (Heat-pump models) CZ-RWC1 (Cooling models)		
Performance Test Condition				ISO5151		
Power Supply		Phase		1	1	
		V		220/230/240	220/230/240	
		Hz		50	50	
Cooling	Capacity		kW	4.50	5.60	
			BTU/h	15400	19100	
	Running Current		A	0.35	0.35	
	Input Power		W	40	45	
	Noise level		dB-A (H / L)	39 / 35	40 / 36	
			Power level dB (H / L)	54 / 50	55 / 51	
Heating	Capacity		kW	5.10	6.40	
			BTU/h	17400	21800	
	Running Current		A	0.35	0.35	
	Input Power		W	40	45	
	Noise level		dB-A (H / L)	39 / 35	40 / 36	
			Power level dB (H / L)	54 / 50	55 / 51	
External Static Pressure		Pa	-	-		
Max Current		A	0.40	0.40		
Max Input Power		W	50	55		
Indoor Fan	Type			Turbo Fan	Turbo Fan	
	Material			ABS + GF 10%	ABS + GF 10%	
	Motor type			DC (8-Poles)	DC (8-Poles)	
	Input power		W	-	-	
	Output power		W	40	40	
	Speed	Lo	Cool	r.p.m.	450	490
			Heat	r.p.m.	560	580
		Me	Cool	r.p.m.	540	580
			Heat	r.p.m.	605	625
		Hi	Cool	r.p.m.	620	660
			Heat	r.p.m.	650	670
Moisture Removal		L/h (Pt/h)	2.5 (5.3)	3.2 (6.7)		
Indoor Airflow	Lo	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	6.5 (229)	7.2 (254)	
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	8.3 (293)	8.6 (303)	
	Me	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	7.9 (279)	8.6 (303)	
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	9.0 (318)	9.4 (331)	
	Hi	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	9.3 (326)	9.9 (349)	
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	10.3 (364)	10.6 (374)	
Refrigeration Cycle		Control Device	Expansion Valve	Expansion Valve		
Dimension	Height		mm (inch)	260 (10-1/4)	260 (10-1/4)	
	Width		mm (inch)	575 (22-21/32)	575 (22-21/32)	
	Depth		mm (inch)	575 (22-21/32)	575 (22-21/32)	
Net weight		kg (lbs)	18 (40)	18 (40)		
Piping	Diameter	Gas side	mm (inch)	12.70 (1/2)	12.70 (1/2)	
		Liquid side	mm (inch)	6.35 (1/4)	6.35 (1/4)	
	Max Length		m (ft)	15.0 (49.20)	15.0 (49.20)	

Drain hose	External diameter	mm	36	36
	Length	mm	193	193
Indoor Heat Exchanger	Fin material		Aluminium (Pre Coat)	Aluminium (Pre Coat)
	Fin Type		Slit Fin	Slit Fin
	Row x Stage x FPI			
	Size (W x H x L)	mm	1285 x 210 x 12.7 1225 x 210 x 12.7	1285 x 210 x 12.7 1225 x 210 x 12.7
Air Filter	Material			
	Type			
Power Supply			Indoor Power Supply	Indoor Power Supply
Power cord	Length	m (ft)	-	-
	Core x Diameter	mm <sup>2</sup>	-	-
Thermostat			Electronic Control	Electronic Control
Indoor Operation Range	Cool	Maximum	°C	32
		Minimum	°C	21
	Heat	Maximum	°C	27
		Minimum	°C	16

1. Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°F Wet Bulb) and outdoor air temperature of 35°C Dry Bulb (95°F Dry Bulb), 24°C Wet Bulb (75.2°F Wet Bulb).
2. Heating capacities are based on indoor temperature of 20°C Dry Bulb (68.0°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb).
3. Heating low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor 2/1°C.
4. Heating extreme low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor -7/-8°C.
5. Specifications are subjected to change without prior notice for future improvement.



### 3.3 95 x 95 Cassette Type Indoor Unit – UA1E5 Series

Indoor Unit				S-63UA1E5			S-71UA1E5			S-90UA1E5						
Panel				CZ-BT03P												
Remote Control		Wired		CZ-RT1												
		Wireless		CZ-RWS1 (Heat-pump models) CZ-RWC1 (Cooling models)												
Performance Test Condition				ISO 5151												
Power Supply		Phase		1			1			1						
		V		220	230	240	220	230	240	220	230	240				
		Hz		50			50			50						
Cooling	Capacity		kW		6.30			7.10			9.00					
			BTU/h		21500			24200			30700					
	Running Current		A		0.45	0.50	0.55	0.50	0.55	0.60	0.50	0.55	0.60			
	Input Power		W		105	110	115	110	115	120	110	115	120			
	Noise level		dB-A (H / L)		41 / 35		41 / 36		42 / 36		42/37		42 / 36		42/37	
			Power level dB (H / L)		56 / 50		56 / 51		57 / 51		57/52		57 / 51		57/52	
	Heating		Capacity		kW		7.10			8.00			10.00			
BTU/h					24200			27300			34100					
Running Current			A		0.45	0.50	0.55	0.50	0.55	0.60	0.50	0.55	0.60			
Input Power			W		105	110	115	110	115	120	110	115	120			
Noise level			dB-A (H / L)		41 / 35		41 / 36		42 / 36		42/37		42 / 36		42/37	
		Power level dB (H / L)		56 / 50		56 / 51		57 / 51		57/52		57 / 51		57/52		
External Static Pressure				Pa		-			-			-				
Max Current				A		0.55	0.60	0.65	0.61	0.66	0.71	0.61	0.66	0.71		
Max Input Power				W		110	120	130	121	131	141	121	131	141		
Indoor Fan	Type				Turbo Fan			Turbo Fan			Turbo Fan					
	Material				ABS + GF 10%			ABS + GF 10%			ABS + GF 10%					
	Motor type				AC (3 Speeds, 6 Poles)			AC (3 Speeds, 6 Poles)			AC (3 Speeds, 6 Poles)					
	Input power		W		-			-			-					
	Output power		W		35			35			35					
	Speed	Lo	Cool	r.p.m.	370	390	410	400	420	430	400	420	430			
			Heat	r.p.m.	370	390	410	400	420	430	400	420	430			
		Me	Cool	r.p.m.	430	450	470	460	480	490	460	480	490			
			Heat	r.p.m.	430	450	470	460	480	490	460	480	490			
		Hi	Cool	r.p.m.	470	490	510	500	520	530	500	520	530			
Heat			r.p.m.	470	490	510	500	520	530	500	520	530				
Moisture Removal			L/h (Pt/h)	3.6 (7.6)			4.6 (8.8)			5.4 (11.3)						
Indoor Airflow	Lo	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	17 (600)			18 (635)			18 (635)						
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	17 (600)			18 (635)			18 (635)						
	Me	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	19 (671)			20 (706)			20 (706)						
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	19 (671)			20 (706)			20 (706)						
	Hi	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	21 (741)			22 (777)			22 (777)						
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	21 (741)			22 (777)			22 (777)						
Refrigeration Cycle			Control Device	Expansion Valve			Expansion Valve			Expansion Valve						
Dimension	Height		mm (inch)	246 (9-11/16)			246 (9-11/16)			246 (9-11/16)						
	Width		mm (inch)	840 (33-1/16)			840 (33-1/16)			840 (33-1/16)						
	Depth		mm (inch)	840 (33-1/16)			840 (33-1/16)			840 (33-1/16)						
Net weight			kg (lbs)	26 (57)			26 (57)			26 (57)						

Piping	Diameter	Gas side	mm (inch)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)
		Liquid side	mm (inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Max Length		m (ft)	15.0 (49.20)	15.0 (49.20)	15.0 (49.20)
Drain hose	External diameter		mm	36	36	36
	Length		mm	193	193	193
Indoor Heat Exchanger	Fin material			Aluminium (Pre Coat)	Aluminium (Pre Coat)	Aluminium (Pre Coat)
	Fin Type			Slit Fin	Slit Fin	Slit Fin
	Row x Stage x FPI			2 x 10 x 19	2 x 10 x 21	2 x 10 x 21
	Size (W x H x L)		mm	2100 x 210 x 12.7 2040 x 210 x 12.7	2100 x 210 x 12.7 2040 x 210 x 12.7	2100 x 210 x 12.7 2040 x 210 x 12.7
Air Filter	Material			PP	PP	PP
	Type					
Power Supply				Indoor Power Supply	Indoor Power Supply	Indoor Power Supply
Power cord	Length		m (ft)	-	-	-
	Core x Diameter		mm <sup>2</sup>	-	-	-
Thermostat				Electronic Control	Electronic Control	Electronic Control
Indoor Operation Range	Cool	Maximum	°C	32	32	32
		Minimum	°C	21	21	21
	Heat	Maximum	°C	27	27	27
		Minimum	°C	16	16	16

1. Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°F Wet Bulb) and outdoor air temperature of 35°C Dry Bulb (95°F Dry Bulb), 24°C Wet Bulb (75.2°F Wet Bulb).
2. Heating capacities are based on indoor temperature of 20°C Dry Bulb (68.0°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb).
3. Heating low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor 2/1°C.
4. Heating extreme low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor -7/-8°C.
5. Specifications are subjected to change without prior notice for future improvement.

### 3.4 Slim Hide-Away Type Indoor Unit – NA1E5 Series

Indoor Unit				S-22NA1E5			S-28NA1E5			
Panel				-						
Remote Control		Wired		CZ-RT1						
		Wireless		CZ-RWC1 (Cooling models)						
Performance Test Condition				ISO 5151						
Power Supply		Phase		1			1			
		V		220	230	240	220	230	240	
		Hz		50			50			
Cooling	Capacity		kW		2.20	2.20	2.20	2.80	2.80	2.80
			BTU/h		7500	7500	7500	9600	9600	9600
	Running Current		A		0.35	0.40	0.45	0.40	0.45	0.50
	Input Power		W		70	75	80	75	80	85
	Noise level		dB-A (H / L)		36 / 30		36 / 31	37 / 30		37 / 31
			Power level dB (H / L)		51 / 45		51 / 46	52 / 45		52 / 46
Heating	Capacity		kW		2.50	2.50	2.50	3.20	3.20	3.20
			BTU/h		8500	8500	8500	10900	10900	10900
	Running Current		A		0.35	0.40	0.45	0.40	0.45	0.50
	Input Power		W		70	75	80	75	80	85
	Noise level		dB-A (H / L)		36 / 30		36 / 31	37 / 30		37 / 31
			Power level dB (H / L)		51 / 45		51 / 46	52 / 45		52 / 46
External Static Pressure		Pa (mmAq)		0 (0) / 29 (3)			0 (0) / 29 (3)			
Max Current		A		0.39	0.44	0.49	0.44	0.49	0.54	
Max Input Power		W		77	82	87	83	88	93	
Indoor Fan	Type		Sirocco							
	Material		PP							
	Motor type		AC (4 Speeds, 4 Poles)							
	Input power		W		-			-		
	Output power		W		25			25		
	Speed	Lo	Cool	r.p.m.	640	660	690	700	730	750
			Heat	r.p.m.	640	660	690	700	730	750
		Me	Cool	r.p.m.	720	740	780	780	810	840
			Heat	r.p.m.	720	740	780	780	810	840
		Hi	Cool	r.p.m.	800	830	860	880	900	930
Heat			r.p.m.	800	830	860	880	900	930	
Moisture Removal		L/h (Pt/h)		1.3 (2.7)			1.6 (3.4)			
Indoor Airflow	Lo	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	7.0 (247)			8.0 (282)			
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	7.0 (247)			8.0 (282)			
	Me	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	9.0 (318)			10.0 (353)			
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	9.0 (318)			10.0 (353)			
	Hi	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	10.0 (353)			11.0 (388)			
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	10.0 (353)			11.0 (388)			
Refrigeration Cycle		Control Device		Expansion Valve			Expansion Valve			
Dimension	Height		mm (inch)		200 (7-7/8)			200 (7-7/8)		
	Width		mm (inch)		900 (35-7/16)			900 (35-7/16)		
	Depth		mm (inch)		550 (21-21/32)			550 (21-21/32)		
Net weight		kg (lbs)		21 (46)			21 (46)			

Piping	Diameter	Gas side	mm (inch)	12.70 (1/2)	12.70 (1/2)
		Liquid side	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Max Length		m (ft)	15.0 (49.20)	15.0 (49.20)
Drain hose	External diameter		mm	21	21
	Length		mm		
Indoor Heat Exchanger	Fin material			Aluminium (Pre Coat)	Aluminium (Pre Coat)
	Fin Type			Slit Fin	Slit Fin
	Row x Stage x FPI			2 x 10 x 18	2 x 10 x 18
	Size (W x H x L)		mm	770 x 210 x 25.4	770 x 210 x 25.4
Air Filter	Material			-	-
	Type			-	-
Power Supply				Indoor Power Supply	Indoor Power Supply
Power cord	Length		m (ft)	-	-
	Core x Diameter		mm <sup>2</sup>	-	-
Thermostat				Electronic Control	Electronic Control
Indoor Operation Range	Cool	Maximum	°C	32	32
		Minimum	°C	21	21
	Heat	Maximum	°C	27	27
		Minimum	°C	16	16

1. Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°F Wet Bulb) and outdoor air temperature of 35°C Dry Bulb (95°F Dry Bulb), 24°C Wet Bulb (75.2°F Wet Bulb).
2. Heating capacities are based on indoor temperature of 20°C Dry Bulb (68.0°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb).
3. Heating low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor 2/1°C.
4. Heating extreme low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor -7/-8°C.
5. Specifications are subjected to change without prior notice for future improvement.

Indoor Unit				S-32NA1E5			S-36NA1E5			
Panel				-			-			
Remote Control		Wired		CZ-RT1						
		Wireless		CZ-RWS1 (Heat-pump models) CZ-RWC1 (Cooling models)						
Performance Test Condition				ISO 5151						
Power Supply		Phase		1			1			
		V		220	230	240	220	230	240	
		Hz		50			50			
Cooling	Capacity		kW		3.20	3.20	3.20	3.60	3.60	3.60
			BTU/h		10900	10900	10900	12300	12300	12300
	Running Current		A		0.40	0.45	0.50	0.40	0.45	0.50
	Input Power		W		80	85	90	80	85	90
	Noise level		dB-A (H / L)		38 / 31		38 / 32	38 / 31		38 / 32
			Power level dB (H / L)		53 / 46		53 / 47	53 / 46		53 / 47
Heating	Capacity		kW		3.60	3.60	3.60	4.20	4.20	4.20
			BTU/h		12300	12300	12300	14300	14300	14300
	Running Current		A		0.40	0.45	0.50	0.40	0.45	0.50
	Input Power		W		80	85	90	80	85	90
	Noise level		dB-A (H / L)		38 / 31		38 / 32	38 / 31		38 / 32
			Power level dB (H / L)		53 / 46		53 / 47	53 / 46		53 / 47
External Static Pressure		Pa (mmAq)		0 (0) / 29 (3)			0 (0) / 29 (3)			
Max Current		A		0.44	0.49	0.54	0.44	0.49	0.54	
Max Input Power		W		88	93	98	88	93	98	
Indoor Fan	Type		Sirocco							
	Material		PP							
	Motor type		AC (4 Speeds, 4 Poles)							
	Input power		W							
	Output power		W							
	Speed	Lo	Cool	r.p.m.	730	760	790	730	760	790
			Heat	r.p.m.	730	760	790	730	760	790
		Me	Cool	r.p.m.	840	870	900	840	870	900
			Heat	r.p.m.	840	870	900	840	870	900
		Hi	Cool	r.p.m.	940	970	1000	940	970	1000
Heat			r.p.m.	940	970	1000	940	970	1000	
Moisture Removal		L/h (Pt/h)		1.8 (3.8)			2.1 (4.4)			
Indoor Airflow	Lo	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	7.0 (247)			7.0 (247)			
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	7.0 (247)			7.0 (247)			
	Me	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	9.0 (318)			9.0 (318)			
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	9.0 (318)			9.0 (318)			
	Hi	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	11.0 (388)			11.0 (388)			
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	11.0 (388)			11.0 (388)			
Refrigeration Cycle		Control Device		Expansion Valve			Expansion Valve			
Dimension	Height		mm (inch)		200 (7-7/8)			200 (7-7/8)		
	Width		mm (inch)		900 (35-7/16)			900 (35-7/16)		
	Depth		mm (inch)		550 (21-21/32)			550 (21-21/32)		
Net weight		kg (lbs)		22 (48)			22 (48)			

Piping	Diameter	Gas side	mm (inch)	12.70 (1/2)	12.70 (1/2)
		Liquid side	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Max Length		m (ft)	15.0 (49.20)	15.0 (49.20)
Drain hose	External diameter		mm	21	21
	Length		mm		
Indoor Heat Exchanger	Fin material			Aluminium (Pre Coat)	Aluminium (Pre Coat)
	Fin Type			Slit Fin	Slit Fin
	Row x Stage x FPI			2 x 10 x 18	2 x 10 x 18
	Size (W x H x L)		mm	770 x 210 x 38.1	770 x 210 x 38.1
Air Filter	Material			-	-
	Type			-	-
Power Supply				Indoor Power Supply	Indoor Power Supply
Power cord	Length		m (ft)	-	-
	Core x Diameter		mm <sup>2</sup>	-	-
Thermostat				Electronic Control	Electronic Control
Indoor Operation Range	Cool	Maximum	°C	32	32
		Minimum	°C	21	21
	Heat	Maximum	°C	27	27
		Minimum	°C	16	16

1. Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°F Wet Bulb) and outdoor air temperature of 35°C Dry Bulb (95°F Dry Bulb), 24°C Wet Bulb (75.2°F Wet Bulb).
2. Heating capacities are based on indoor temperature of 20°C Dry Bulb (68.0°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb).
3. Heating low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor 2/1°C.
4. Heating extreme low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor -7/-8°C.
5. Specifications are subjected to change without prior notice for future improvement.

Indoor Unit				S-45NA1E5			S-56NA1E5				
Panel				-			-				
Remote Control		Wired		CZ-RT1							
		Wireless		CZ-RWS1 (Heat-pump models) CZ-RWC1 (Cooling models)							
Performance Test Condition				ISO 5151							
Power Supply		Phase		1			1				
		V		220	230	240	220	230	240		
		Hz		50			50				
Cooling	Capacity		kW		4.50	4.50	4.50	5.60	5.60	5.60	
			BTU/h		15400	15400	15400	19100	19100	19100	
	Running Current		A		0.45	0.50	0.55	0.45	0.50	0.55	
	Input Power		W		90	95	100	100	105	110	
	Noise level		dB-A (H / L)		39 / 32		39 / 33	39 / 32		39 / 33	
			Power level dB (H / L)		54 / 47		54 / 48	54 / 47		54 / 48	
Heating	Capacity		kW		5.10	5.10	5.10	6.40	6.40	6.40	
			BTU/h		17400	17400	17400	21800	21800	21800	
	Running Current		A		0.45	0.50	0.55	0.45	0.50	0.55	
	Input Power		W		90	95	100	100	105	110	
	Noise level		dB-A (H / L)		39 / 32		39 / 33	39 / 32		39 / 33	
			Power level dB (H / L)		54 / 47		54 / 48	54 / 47		54 / 48	
External Static Pressure		Pa (mmAq)		0 (0) / 29 (3)			0 (0) / 29 (3)				
Max Current		A		0.55	0.60	0.65	0.50	0.55	0.60		
Max Input Power		W		99	104	109	110	115	120		
Indoor Fan	Type		Sirocco						Sirocco		
	Material		PP						PP		
	Motor type		AC (4 Speeds, 4 Poles)						AC (4 Speeds, 4 Poles)		
	Input power		W		-			-			
	Output power		W		40			50			
	Speed	Lo	Cool	r.p.m.	770	800	830	730	770	800	
			Heat	r.p.m.	770	800	830	730	770	800	
		Me	Cool	r.p.m.	880	910	940	850	890	920	
			Heat	r.p.m.	880	910	940	850	890	920	
		Hi	Cool	r.p.m.	970	1000	1040	970	1010	1040	
Heat			r.p.m.	970	1000	1040	970	1010	1040		
Moisture Removal		L/h (Pt/h)		2.5 (5.3)			3.2 (6.7)				
Indoor Airflow	Lo	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	8.0 (282)			8.5 (300)				
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	8.0 (282)			8.5 (300)				
	Me	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	10.0 (353)			10.5 (371)				
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	10.0 (353)			10.5 (371)				
	Hi	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	12.0 (424)			12.5 (441)				
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	12.0 (424)			12.5 (441)				
Refrigeration Cycle		Control Device		Expansion Valve			Expansion Valve				
Dimension	Height		mm (inch)		200 (7-7/8)			200 (7-7/8)			
	Width		mm (inch)		900 (35-7/16)			900 (35-7/16)			
	Depth		mm (inch)		550 (21-21/32)			550 (21-21/32)			
Net weight		kg (lbs)		22 (48)			22 (48)				

Piping	Diameter	Gas side	mm (inch)	12.70 (1/2)	12.70 (1/2)
		Liquid side	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Max Length		m (ft)	15.0 (49.20)	15.0 (49.20)
Drain hose	External diameter		mm	21	21
	Length		mm		
Indoor Heat Exchanger	Fin material			Aluminium (Pre Coat)	Aluminium (Pre Coat)
	Fin Type			Slit Fin	Slit Fin
	Row x Stage x FPI			3 x 10 x 18	3 x 10 x 18
	Size (W x H x L)		mm	770 x 210 x 38.1	770 x 210 x 38.1
Air Filter	Material			-	-
	Type			-	-
Power Supply				Indoor Power Supply	Indoor Power Supply
Power cord	Length		m (ft)	-	-
	Core x Diameter		mm <sup>2</sup>	-	-
Thermostat				Electronic Control	Electronic Control
Indoor Operation Range	Cool	Maximum	°C	32	32
		Minimum	°C	21	21
	Heat	Maximum	°C	27	27
		Minimum	°C	16	16

1. Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°F Wet Bulb) and outdoor air temperature of 35°C Dry Bulb (95°F Dry Bulb), 24°C Wet Bulb (75.2°F Wet Bulb).
2. Heating capacities are based on indoor temperature of 20°C Dry Bulb (68.0°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb).
3. Heating low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor 2/1°C.
4. Heating extreme low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor -7/-8°C.
5. Specifications are subjected to change without prior notice for future improvement.



### 3.5 Low Static Pressure Hide-Away Type Indoor Unit – MA1E5 Series

Indoor Unit				S-45MA1E5			S-56MA1E5			
Panel				-						
Remote Control		Wired		CZ-RT1						
		Wireless		CZ-RWS1 (Heat-pump models) CZ-RWC1 (Cooling models)						
Performance Test Condition				ISO 5151						
Power Supply		Phase		1			1			
		V		220	230	240	220	230	240	
		Hz		50			50			
Cooling	Capacity		kW	4.50	4.50	4.50	5.60	5.60	5.60	
			BTU/h	15400	15400	15400	19100	19100	19100	
	Running Current		A	0.55	0.60	0.75	0.55	0.60	0.75	
	Input Power		W	125	135	145	125	135	145	
	Noise level		dB-A (H / L)	42 / 35		42 / 36	42 / 35		42 / 36	
			Power level dB (H / L)	57 / 50		57 / 51	57 / 50		57 / 51	
Heating	Capacity		kW	5.10	5.10	5.10	6.40	6.40	6.40	
			BTU/h	17400	17400	17400	21800	21800	21800	
	Running Current		A	0.55	0.60	0.65	0.55	0.60	0.65	
	Input Power		W	125	135	145	125	135	145	
	Noise level		dB-A (H / L)	42 / 35		42 / 36	42 / 35		42 / 36	
			Power level dB (H / L)	57 / 50		57 / 51	57 / 50		57 / 51	
External Static Pressure		Pa (mmAq)	49 (5) / 69 (7)			49 (5) / 69 (7)				
Max Current		A	0.80	0.85	0.90	0.80	0.85	0.90		
Max Input Power		W	180	190	200	180	190	200		
Indoor Fan	Type		Sirocco							
	Material		ABS							
	Motor type		AC (4 Speeds, 4 Poles)							
	Input power		W	-						
	Output power		W	94						
	Speed	Lo	Cool	r.p.m.	690	715	740	690	715	740
			Heat	r.p.m.	690	715	740	690	715	740
		Me	Cool	r.p.m.	790	825	855	790	825	855
			Heat	r.p.m.	790	825	855	790	825	855
		Hi	Cool	r.p.m.	925	955	985	925	955	985
Heat			r.p.m.	925	955	985	925	955	985	
Moisture Removal		L/h (Pt/h)	2.5 (5.3)			3.2 (6.7)				
Indoor Airflow	Lo	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	11.0 (388)			11.0 (388)			
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	11.0 (388)			11.0 (388)			
	Me	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	13.0 (459)			13.0 (459)			
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	13.0 (459)			13.0 (459)			
	Hi	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	15.0 (530)			15.0 (530)			
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	15.0 (530)			15.0 (530)			
Refrigeration Cycle		Control Device	Expansion Valve			Expansion Valve				
Dimension	Height		mm (inch)	250 (9-27/32)			250 (9-27/32)			
	Width		mm (inch)	780 +100 (30-23/32 + 3-15/16)			780 +100 (30-23/32 + 3-15/16)			
	Depth		mm (inch)	650 (25-19/32)			650 (25-19/32)			
Net weight		kg (lbs)	28 (62)			28 (62)				

Piping	Diameter	Gas side	mm (inch)	12.70 (1/2)	12.70 (1/2)
		Liquid side	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Max Length		m (ft)	15.0 (49.20)	15.0 (49.20)
Drain hose	External diameter		mm	32	32
	Length		mm	180	180
Indoor Heat Exchanger	Fin material			Aluminium (Pre Coat)	Aluminium (Pre Coat)
	Fin Type			Slit Fin	Slit Fin
	Row x Stage x FPI			3 x 12 x 15	3 x 12 x 15
	Size (W x H x L)		mm	640 x 252 x 38.1	640 x 252 x 38.1
Air Filter	Material			PP	PP
	Type			-	-
Power Supply				Indoor Power Supply	Indoor Power Supply
Power cord	Length		m (ft)	-	-
	Core x Diameter		mm <sup>2</sup>	-	-
Thermostat				Electronic Control	Electronic Control
Indoor Operation Range	Cool	Maximum	°C	32	32
		Minimum	°C	21	21
	Heat	Maximum	°C	27	27
		Minimum	°C	16	16

1. Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°F Wet Bulb) and outdoor air temperature of 35°C Dry Bulb (95°F Dry Bulb), 24°C Wet Bulb (75.2°F Wet Bulb).
2. Heating capacities are based on indoor temperature of 20°C Dry Bulb (68.0°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb).
3. Heating low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor 2/1°C.
4. Heating extreme low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor -7/-8°C.
5. Specifications are subjected to change without prior notice for future improvement.

Indoor Unit				S-63MA1E5			S-71MA1E5			
Panel				-			-			
Remote Control		Wired		CZ-RT1						
		Wireless		CZ-RWS1 (Heat-pump models) CZ-RWC1 (Cooling models)						
Performance Test Condition				ISO 5151						
Power Supply		Phase		1			1			
		V		220	230	240	220	230	240	
		Hz		50			50			
Cooling	Capacity		kW		6.30	5.60	5.60	7.10	7.10	7.10
			BTU/h		21500	19100	19100	24200	24200	24200
	Running Current		A		0.55	0.60	0.75	0.55	0.60	0.75
	Input Power		W		125	135	145	125	135	145
	Noise level		dB-A (H / L)		43 / 36		43 / 37	43 / 36		43 / 37
			Power level dB (H / L)		58 / 51		58 / 52	58 / 51		58 / 52
Heating	Capacity		kW		7.10	6.40	6.40	8.00	8.00	8.00
			BTU/h		24200	21800	21800	27300	27300	27300
	Running Current		A		0.55	0.60	0.65	0.55	0.60	0.65
	Input Power		W		125	135	145	125	135	145
	Noise level		dB-A (H / L)		43 / 36		43 / 37	43 / 36		43 / 37
			Power level dB (H / L)		58 / 51		58 / 52	58 / 51		58 / 52
External Static Pressure		Pa (mmAq)		49 (5) / 69 (7)			49 (5) / 69 (7)			
Max Current		A		0.80	0.85	0.90	0.80	0.85	0.90	
Max Input Power		W		180	190	200	180	190	200	
Indoor Fan	Type		Sirocco			Sirocco				
	Material		ABS			ABS				
	Motor type		AC (4 Speeds, 4 Poles)			AC (4 Speeds, 4 Poles)				
	Input power		W		-			-		
	Output power		W		94			94		
	Speed	Lo	Cool	r.p.m.		600			625	
			Heat	r.p.m.		600			625	
		Me	Cool	r.p.m.		700			725	
			Heat	r.p.m.		700			725	
		Hi	Cool	r.p.m.		815			840	
Heat			r.p.m.		815			840		
Moisture Removal		L/h (Pt/h)		3.6 (7.6)			4.2 (8.8)			
Indoor Airflow	Lo	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)		12.0 (424)			12.0 (424)		
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)		12.0 (424)			12.0 (424)		
	Me	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)		14.0 (494)			14.0 (494)		
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)		14.0 (494)			14.0 (494)		
	Hi	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)		17.0 (600)			17.0 (600)		
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)		17.0 (600)			17.0 (600)		
Refrigeration Cycle		Control Device		Expansion Valve			Expansion Valve			
Dimension	Height		mm (inch)		250 (9-27/32)			250 (9-27/32)		
	Width		mm (inch)		1000 +100 (30-23/32 + 3-15/16)			1000 +100 (30-23/32 + 3-15/16)		
	Depth		mm (inch)		650 (25-19/32)			650 (25-19/32)		
Net weight		kg (lbs)		32 (71)			32 (71)			

Piping	Diameter	Gas side	mm (inch)	12.70 (1/2)	15.88 (5/8)
		Liquid side	mm (inch)	6.35 (1/4)	9.52 (3/8)
	Max Length		m (ft)	15.0 (49.20)	15.0 (49.20)
Drain hose	External diameter		mm	32	32
	Length		mm	180	180
Indoor Heat Exchanger	Fin material			Aluminium (Pre Coat)	Aluminium (Pre Coat)
	Fin Type			Slit Fin	Slit Fin
	Row x Stage x FPI			3 x 12 x 18	3 x 12 x 18
	Size (W x H x L)		mm	860 x 252 x 38.1	860 x 252 x 38.1
Air Filter	Material			PP	PP
	Type			-	-
Power Supply				Indoor Power Supply	Indoor Power Supply
Power cord	Length		m (ft)	-	-
	Core x Diameter		mm <sup>2</sup>	-	-
Thermostat				Electronic Control	Electronic Control
Indoor Operation Range	Cool	Maximum	°C	32	32
		Minimum	°C	21	21
	Heat	Maximum	°C	27	27
		Minimum	°C	16	16

1. Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°F Wet Bulb) and outdoor air temperature of 35°C Dry Bulb (95°F Dry Bulb), 24°C Wet Bulb (75.2°F Wet Bulb).
2. Heating capacities are based on indoor temperature of 20°C Dry Bulb (68.0°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb).
3. Heating low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor 2/1°C.
4. Heating extreme low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor -7/-8°C.
5. Specifications are subjected to change without prior notice for future improvement.

Indoor Unit				S-90MA1E5			
Panel				-			
Remote Control		Wired		CZ-RT1			
		Wireless		CZ-RWS1 (Heat-pump models) CZ-RWC1 (Cooling models)			
Performance Test Condition				ISO 5151			
Power Supply		Phase		1			
		V		220	230	240	
		Hz		50			
Cooling	Capacity		kW	9.00	9.00	9.00	
			BTU/h	30700	30700	30700	
	Running Current		A	0.75	0.80	0.85	
	Input Power		W	165	175	185	
	Noise level		dB-A (H / L)	44 / 37		44 / 38	
			Power level dB (H / L)	59 / 52		59 / 53	
Heating	Capacity		kW	10.00	10.00	10.00	
			BTU/h	34100	34100	34100	
	Running Current		A	0.75	0.80	0.85	
	Input Power		W	165	175	185	
	Noise level		dB-A (H / L)	44 / 37		44 / 38	
			Power level dB (H / L)	59 / 52		59 / 53	
External Static Pressure		Pa (mmAq)	49 (5) / 69 (7)				
Max Current		A	1.10	1.15	1.20		
Max Input Power		W	245	260	275		
Indoor Fan	Type		Sirocco				
	Material		ABS				
	Motor type		AC (4 Speeds, 4 Poles)				
	Input power		W	-			
	Output power		W	154			
	Speed	Lo	Cool	r.p.m.	700	730	770
			Heat	r.p.m.	700	730	770
		Me	Cool	r.p.m.	820	850	890
			Heat	r.p.m.	820	850	890
		Hi	Cool	r.p.m.	980	1010	1050
Heat			r.p.m.	980	1010	1050	
Moisture Removal		L/h (Pt/h)	5.4 (11.3)				
Indoor Airflow	Lo	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	14.0 (494)			
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	14.0 (494)			
	Me	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	17.0 (600)			
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	17.0 (600)			
	Hi	Cool	m <sup>3</sup> /min (ft <sup>3</sup> /min)	19.0 (671)			
		Heat	m <sup>3</sup> /min (ft <sup>3</sup> /min)	19.0 (671)			
Refrigeration Cycle		Control Device	Expansion Valve				
Dimension	Height		mm (inch)	250 (9-27/32)			
	Width		mm (inch)	1000 +100 (30-23/32 + 3-15/16)			
	Depth		mm (inch)	650 (25-19/32)			
Net weight		kg (lbs)	32 (71)				

Piping	Diameter	Gas side	mm (inch)	15.88 (5/8)
		Liquid side	mm (inch)	9.52 (3/8)
	Max Length		m (ft)	15.0 (49.20)
Drain hose	External diameter		mm	32
	Length		mm	180
Indoor Heat Exchanger	Fin material			Aluminium (Pre Coat)
	Fin Type			Slit Fin
	Row x Stage x FPI			3 x 12 x 18
	Size (W x H x L)		mm	860 x 252 x 38.1
Air Filter	Material			PP
	Type			-
Power Supply				Indoor Power Supply
Power cord	Length		m (ft)	-
	Core x Diameter		mm <sup>2</sup>	-
Thermostat				Electronic Control
Indoor Operation Range	Cool	Maximum	°C	32
		Minimum	°C	21
	Heat	Maximum	°C	27
		Minimum	°C	16

1. Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°F Wet Bulb) and outdoor air temperature of 35°C Dry Bulb (95°F Dry Bulb), 24°C Wet Bulb (75.2°F Wet Bulb).
2. Heating capacities are based on indoor temperature of 20°C Dry Bulb (68.0°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb).
3. Heating low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor 2/1°C.
4. Heating extreme low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor -7/-8°C.
5. Specifications are subjected to change without prior notice for future improvement.

### 3.6 Outdoor Unit – LA1E5 Series

Outdoor Unit				U-6LA1E5, U-6LA1E5-1			U-5LA1E5, U-5LA1E5-1			U-4LA1E5, U-4LA1E5-1					
Performance Test Condition				ISO 5151											
Indoor Unit Combination				2 x S-32NA1E5 1 x S-36NA1E5 1 x S-56NA1E5			3 x S-32NA1E5 1 x S-45NA1E5			2 x S-32NA1E5 1 x S-45NA1E5					
Power Supply				Phase			1			1					
				V			220	230	240	220	230	240	220	230	240
				Hz			50			50			50		
Cooling	Capacity			kW			15.50			14.00			11.20		
				BTU/h			52900			47800			38200		
	Running Current			A			24.50	23.50	22.50	20.50	19.80	19.00	14.70	14.20	13.60
	Input Power			W			5.15k	5.15k	5.15k	4.31k	4.31k	4.31k	3.10k	3.10k	3.10k
	Annual Consumption			W			25.75k			21.55k			15.50k		
	EER / EER Class			(W/W) / ("A"~"G")			3.01 / B			3.25 / A			3.61 / A		
	Power Factor			%			96	95	95	96	95	95	96	95	95
	Noise			dB-A (H / L)			55 / -			53 / -			52 / -		
				Power level dB (H / L)			73 / -			71 / -			70 / -		
	Heating	Capacity			kW			18.00			16.00			12.50	
BTU/h					61400			54600			42700				
Running Current			A			22.30	21.40	20.50	18.80	18.10	17.40	14.40	13.90	13.40	
Input Power			W			4.69k	4.69k	4.69k	3.97k	3.97k	3.97k	3.04k	3.04k	3.04k	
COP / COP Class			(W/W) / ("A" ~ "G")			3.84 / A			4.03 / A			4.11 / A			
Power Factor			%			96	95	95	96	95	95	96	95	95	
Noise level			dB-A (H / L)			57 / -			55 / -			54 / -			
			Power level dB (H / L)			74 / -			72 / -			71 / -			
Max Current	Cool			A			29.0	29.0	29.0	26.0	26.0	26.0	21.0	21.0	21.0
	Heat			A			29.0	29.0	29.0	26.0	26.0	26.0	22.5	22.5	22.5
Max Input Power	Cool			W			6.20k	6.20k	6.20k	5.70k	5.70k	5.70k	4.40k	4.40k	4.40k
	Heat			W			6.20k	6.20k	6.20k	5.70k	5.70k	5.70k	4.70k	4.70k	4.70k
Starting Current				A			25	24	23	21	20	19	15	14	14
Compressor				Type			Hermetic Motor			Hermetic Motor			Hermetic Motor		
				Motor Type			Brushless (4 Poles)			Brushless (4 Poles)			Brushless (4 Poles)		
				Output			W			3.8	3.8	3.8	3.6	3.6	3.6
Outdoor Fan	Type			Propeller Fan			Propeller Fan			Propeller Fan					
	Material			PP			PP			PP					
	Motor type			DC (8 Poles)			DC (8 Poles)			DC (8 Poles)					
	Input power			W			-			-					
	Output power			W			60 x 2			60 x 2					
	Speed	Hi	Cool		r.p.m.			680			650			620	
Heat			r.p.m.			680			650			620			
Moisture Removal				L/h (Pt/h)			10.3 (21.6)			9.0 (18.9)			6.8 (14.3)		
Outdoor Airflow	Hi	Cool		m <sup>3</sup> /min (ft <sup>3</sup> /min)			98.0 (3459)			95.0 (3353)			92.0 (3247)		
		Heat		m <sup>3</sup> /min (ft <sup>3</sup> /min)			98.0 (3459)			95.0 (3353)			92.0 (3247)		
Refrigeration Cycle				Control Device			Expansion Valve			Expansion Valve			Expansion Valve		
Refrigerant Oil				cm <sup>3</sup>			FV50S, 1300			FV50S, 1300			FV50S, 1300		
Refrigerant Type				g (oz)			R410a, 8.0k (240)			R410a, 8.0k (240)			R410a, 7.0k (210)		
Dimension	Height			mm (inch)			1340 (52-3/4)			1340 (52-3/4)			1340 (52-3/4)		
	Width			mm (inch)			900 (35-7/16)			900 (35-7/16)			900 (35-7/16)		
	Depth			mm (inch)			350+40 (13-25/32+1-9/16)			350+40 (13-25/32+1-9/16)			350+40 (13-25/32+1-9/16)		
Net weight				kg (lbs)			123 (271)			123 (271)			115 (253)		

Piping	Diameter	Gas side	mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
		Liquid side	mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Standard Length		m (ft)	23 (75.4)	23 (75.4)	23 (75.4)
	Length Range (min – max)		m (ft)	20 – 90 (65.6 – 295.2)	20 – 90 (65.6 – 295.2)	20 – 90 (65.6 – 295.2)
	Height Different		m (ft)	30 (98.4)	30 (98.4)	30 (98.4)
Outdoor Heat Exchanger	Fin material			Aluminium (Pre Coat)	Aluminium (Pre Coat)	Aluminium (Pre Coat)
	Fin Type			Corrugated Fin	Corrugated Fin	Corrugated Fin
	Row x Stage x FPI			3 x 51 x 18	3 x 51 x 18	2 x 51 x 18
	Size (W x H x L)		mm	1295.4 x 798 x 66	1295.4 x 798 x 66	1295.4 x 798 x 44
Power Supply				Outdoor Power Supply	Outdoor Power Supply	Outdoor Power Supply
Power cord	Length		m (ft)	-	-	-
	Core x Diameter		mm <sup>2</sup>	-	-	-
Thermostat				Electronic Control	Electronic Control	Electronic Control
Protection Device				Electronic Control	Electronic Control	Electronic Control
Outdoor Operation Range	Cool	Maximum	°C	43	43	43
		Minimum	°C	-5	-5	-5
	Heat	Maximum	°C	24	24	24
		Minimum	°C	-15	-15	-15

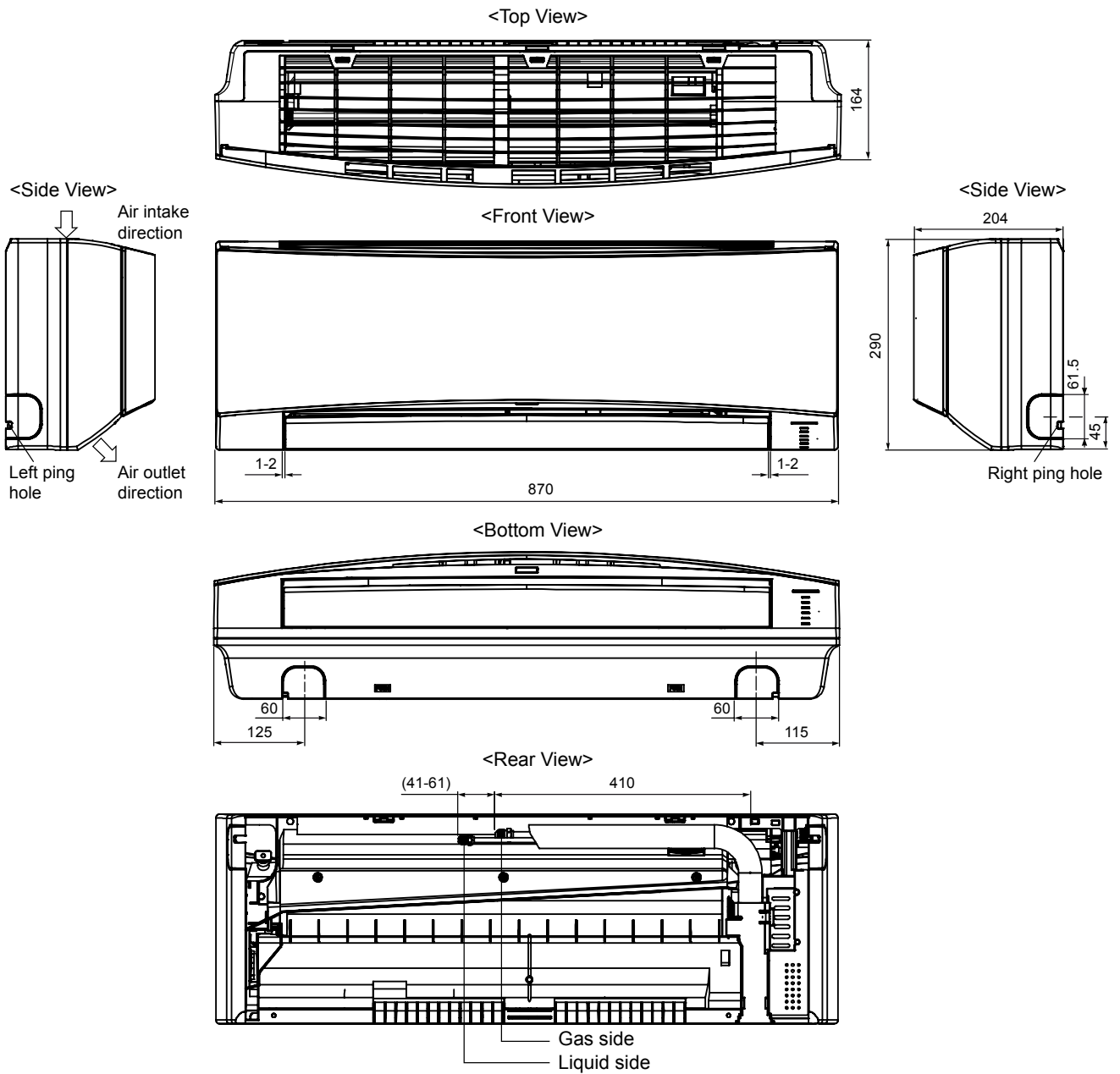
1. Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°F Wet Bulb) and outdoor air temperature of 35°C Dry Bulb (95°F Dry Bulb), 24°C Wet Bulb (75.2°F Wet Bulb).
2. Heating capacities are based on indoor temperature of 20°C Dry Bulb (68.0°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb).
3. Heating low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor 2/1°C.
4. Heating extreme low temperature capacity, input power and COP measured at 230V, indoor temperature 20°C, outdoor -7/-8°C.
5. Specifications are subjected to change without prior notice for future improvement.



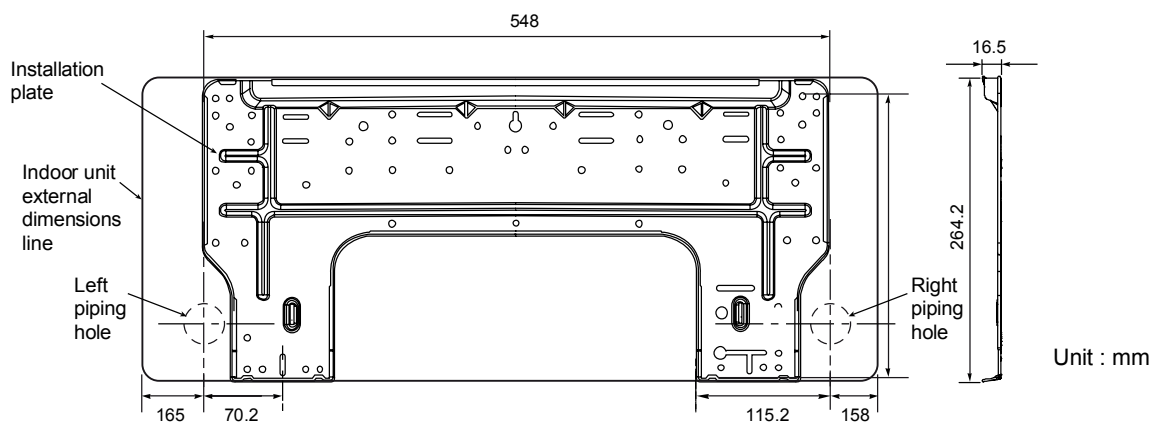
## 4. Dimensions

### 4.1 Wall Mounted Type Indoor Unit

#### 4.1.1 S-22KA1E5, S-28KA1E5, S-36KA1E5, S-45KA1E5, S-22KA1E5S, S-28KA1E5S, S-36KA1E5S, S-45KA1E5S

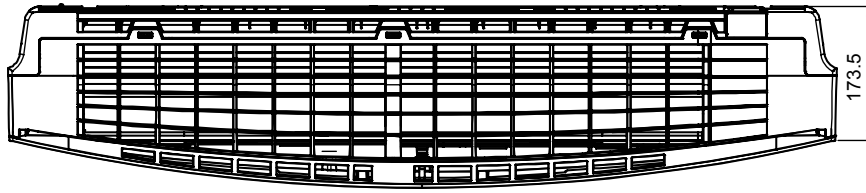


Relative position between the indoor unit and the installation plate <Front View>

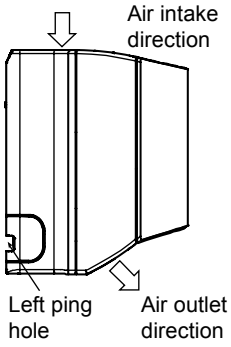


#### 4.1.2 S-56KA1E5, S-63KA1E5, S-71KA1E5

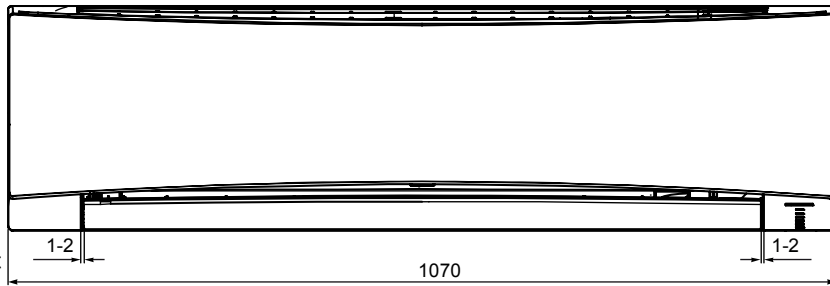
<Top View>



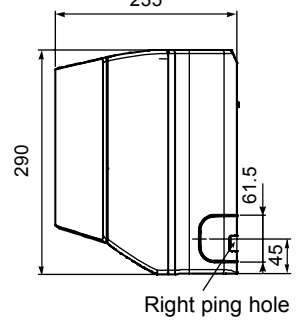
<Side View>



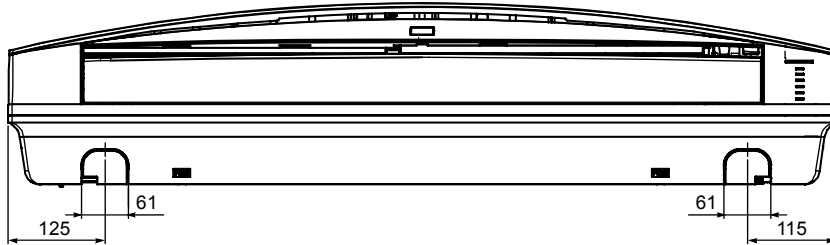
<Front View>



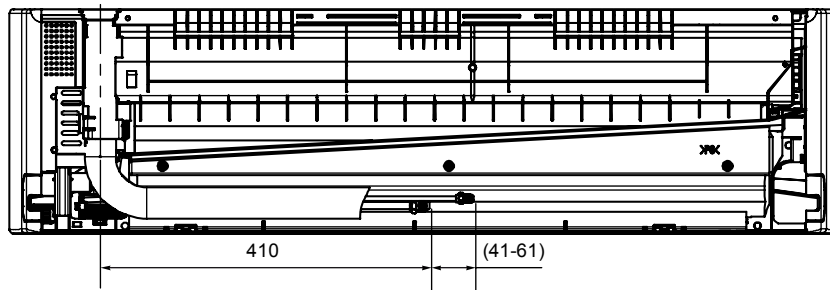
<Side View>



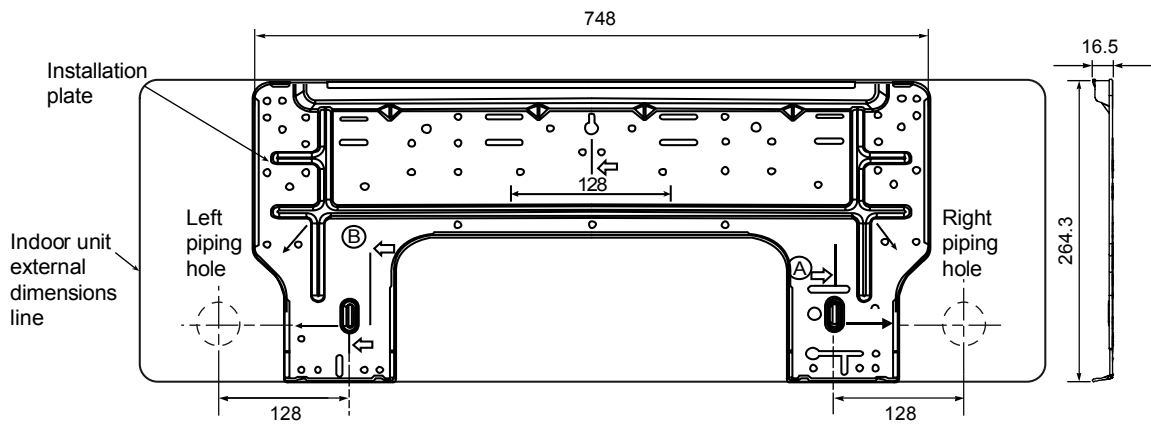
<Bottom View>



<Rear View>



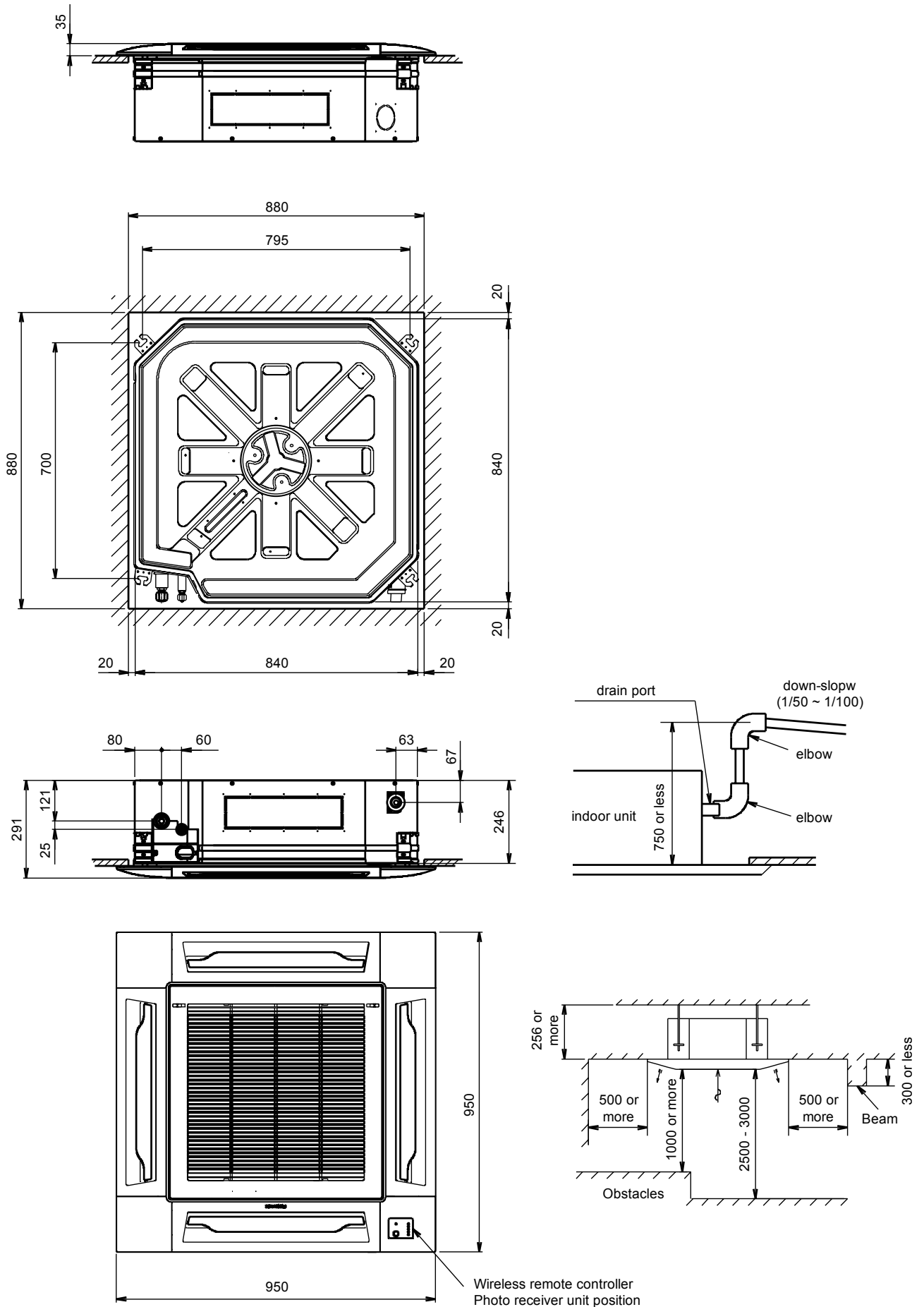
Relative position between the indoor unit and the installation plate <Front View>



Unit : mm

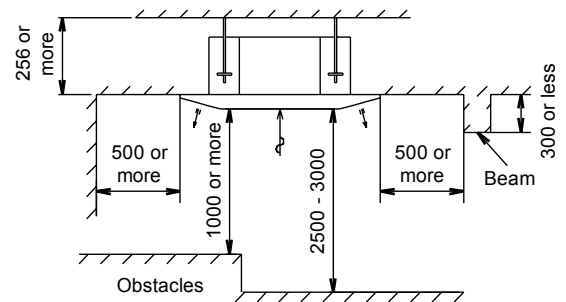
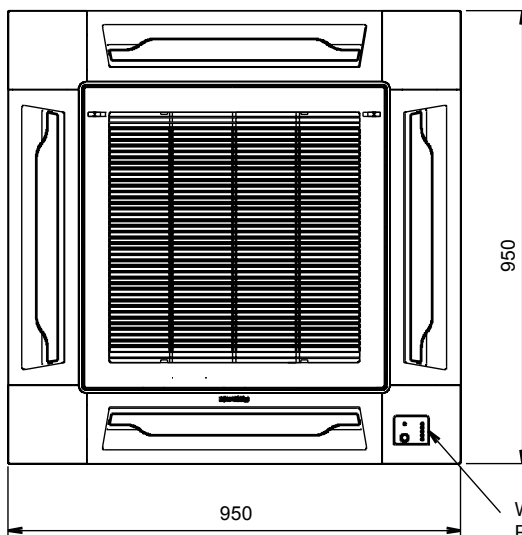
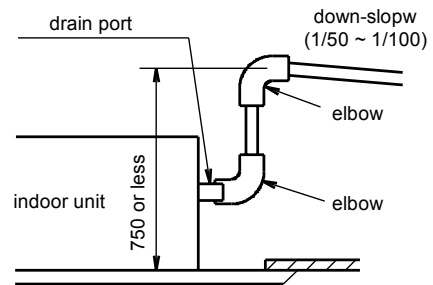
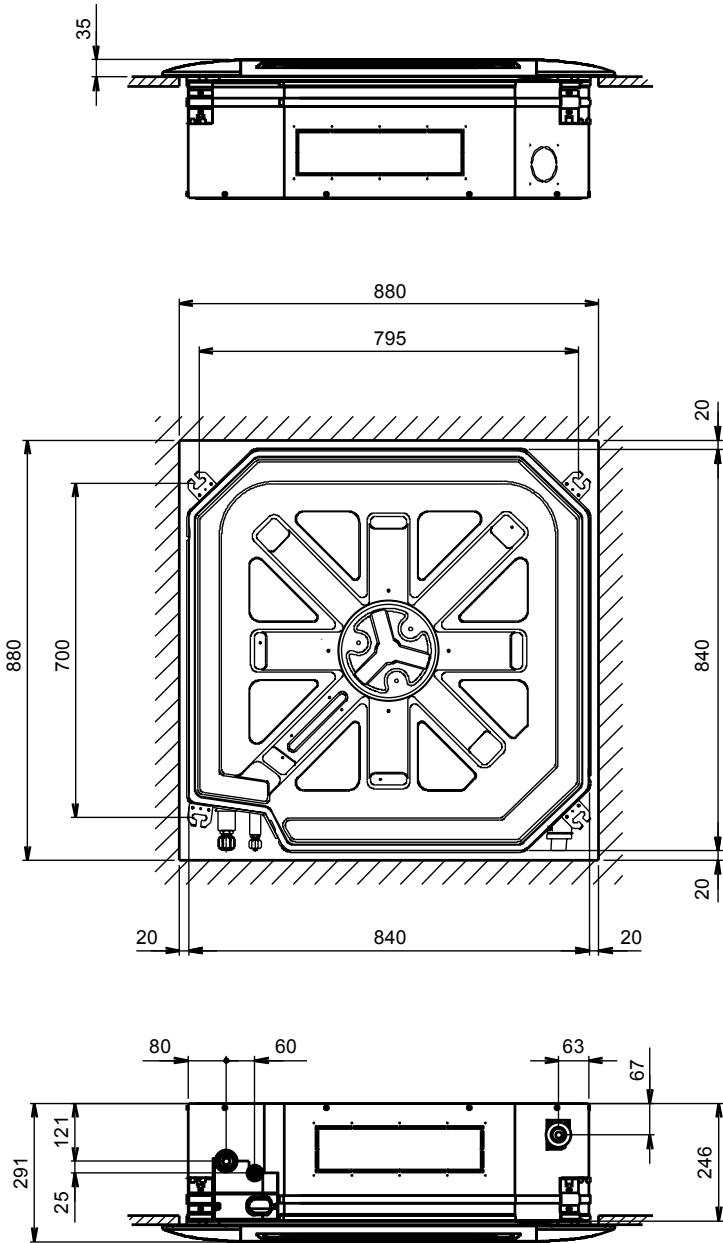
## 4.2 60 x 60 Cassette Type Indoor Unit

### 4.2.1 S-22YA1E5, S-28YA1E5, S-36YA1E5, S-45YA1E5, S-56YA1E5



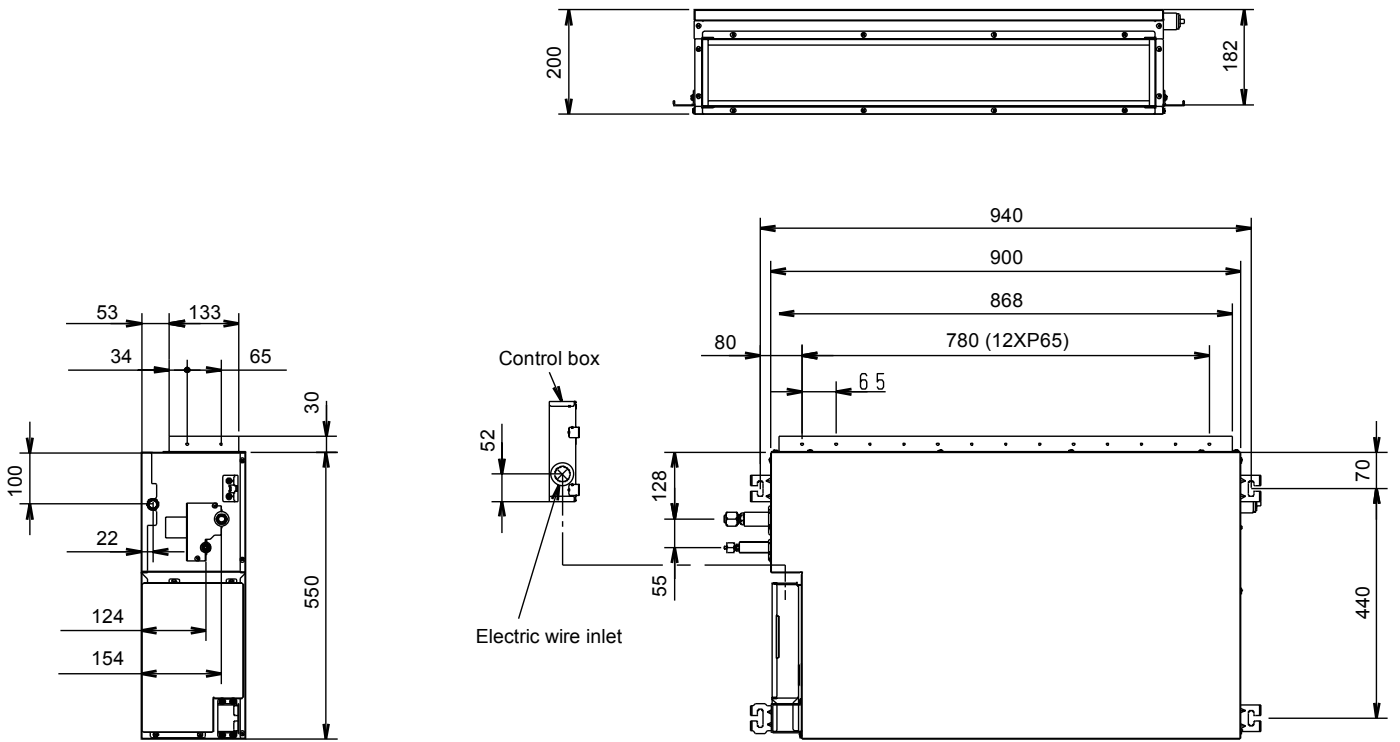
### 4.3 95 x 95 Cassette Type Indoor Unit

#### 4.3.1 S-63UA1E5, S-71UA1E5, S-90UA1E5



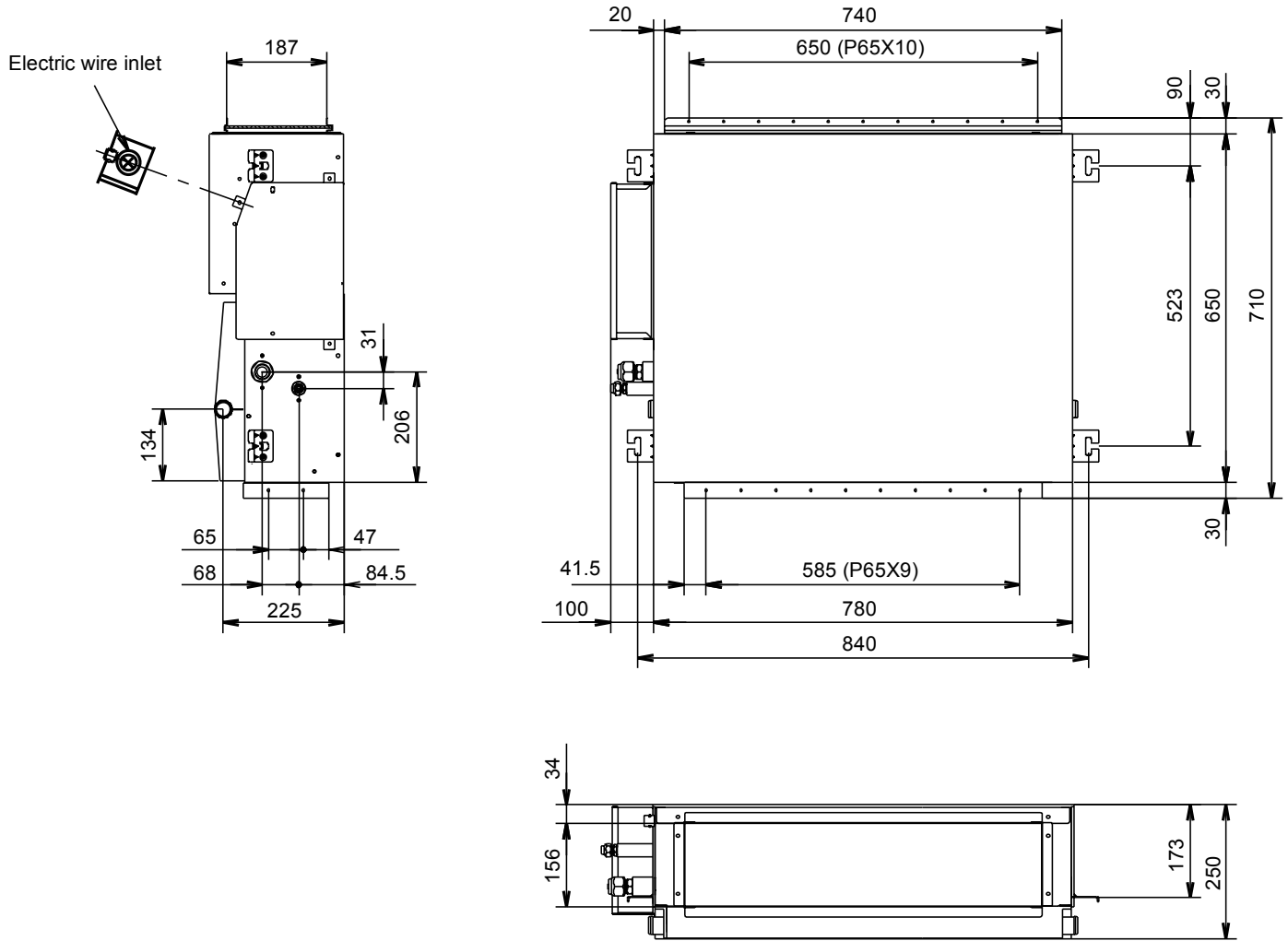
## 4.4 Slim Hide-Away Type Indoor Unit

### 4.4.1 S-22NA1E5, S-28NA1E5, S-32NA1E5, S-36NA1E5, S-45NA1E5, S-56NA1E5

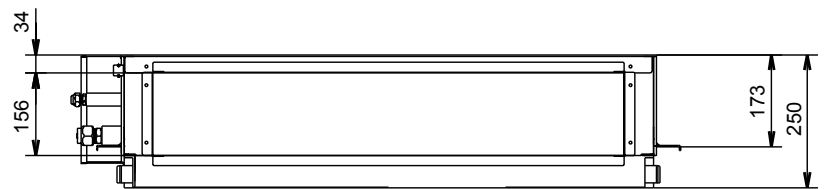
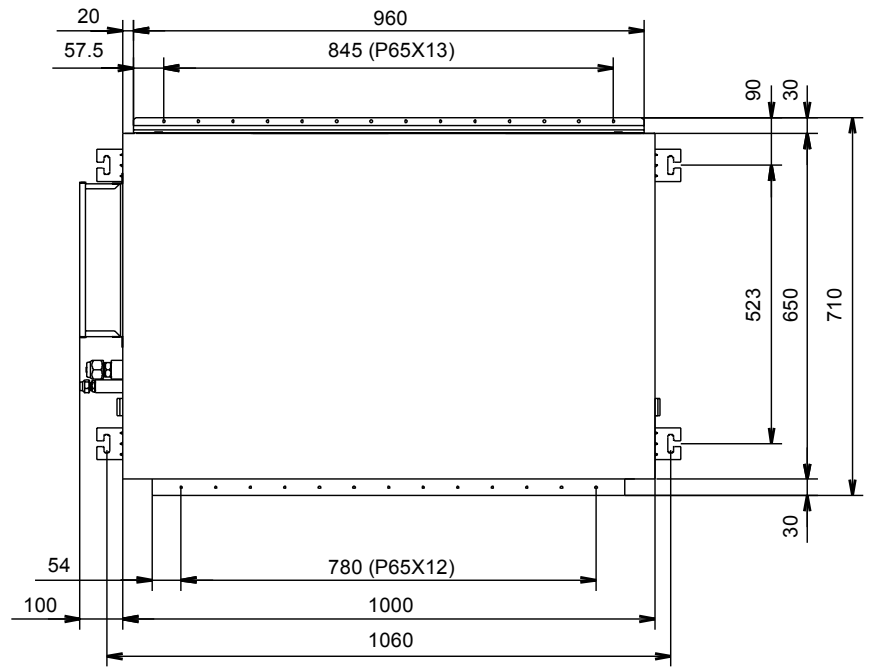
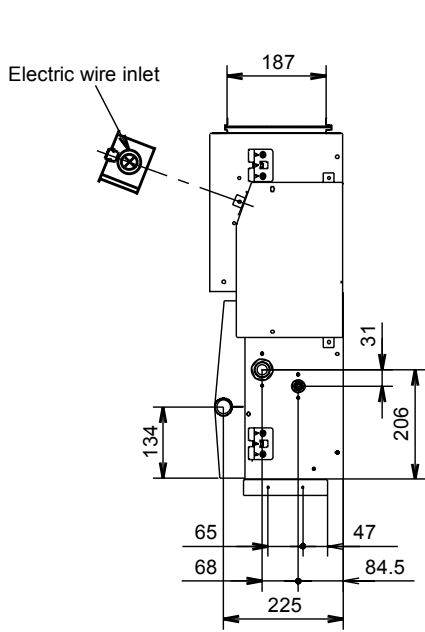


## 4.5 Low Static Pressure Hide-Away Type Indoor Unit

### 4.5.1 S-45MA1E5, S-56MA1E5

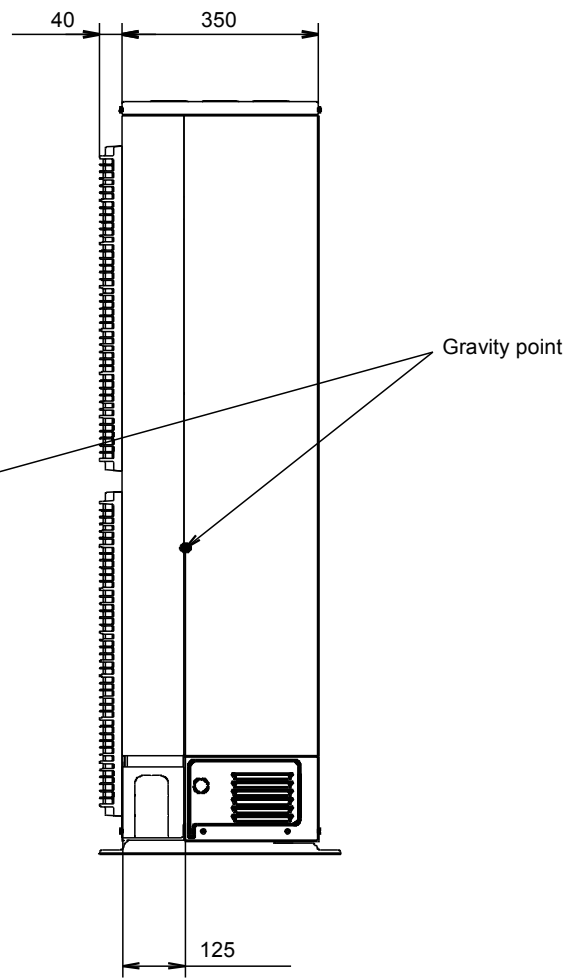
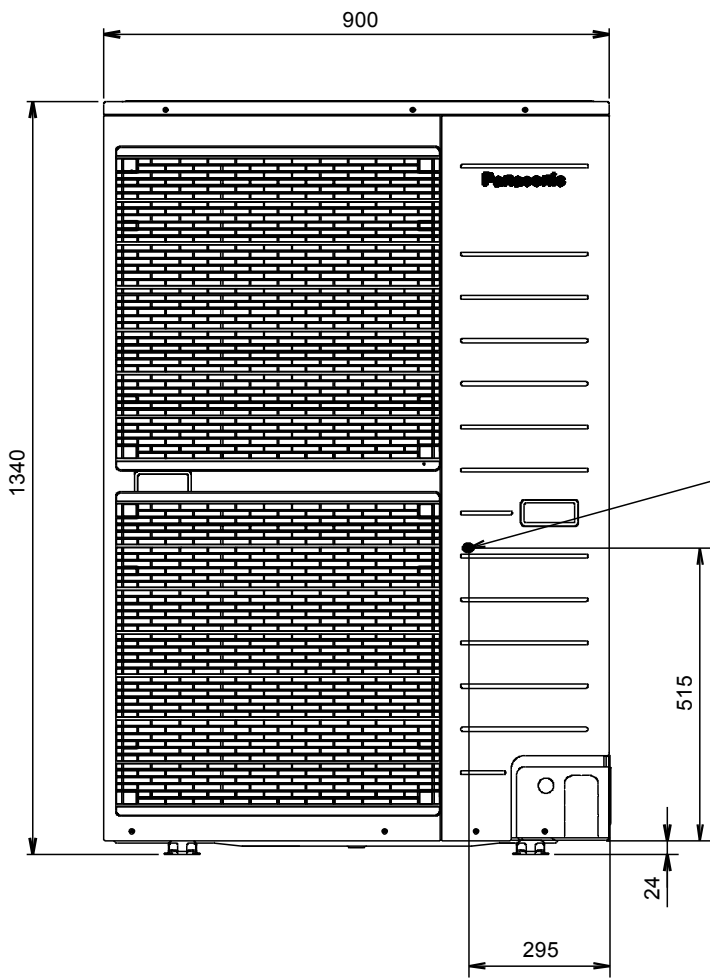
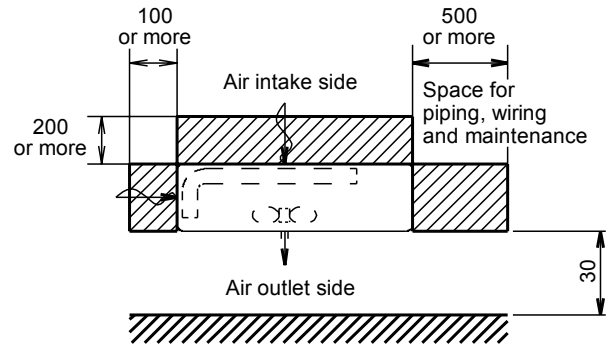
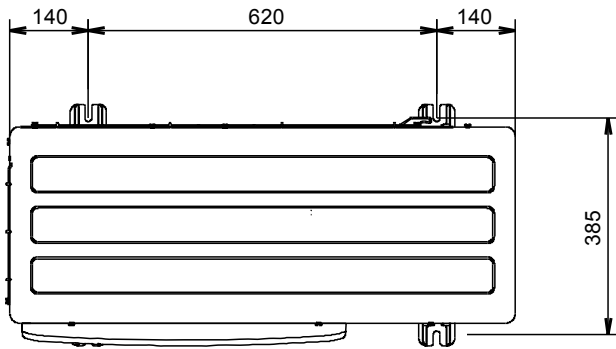


#### 4.5.2 S-63MA1E5, S-71MA1E5, S-90MA1E5



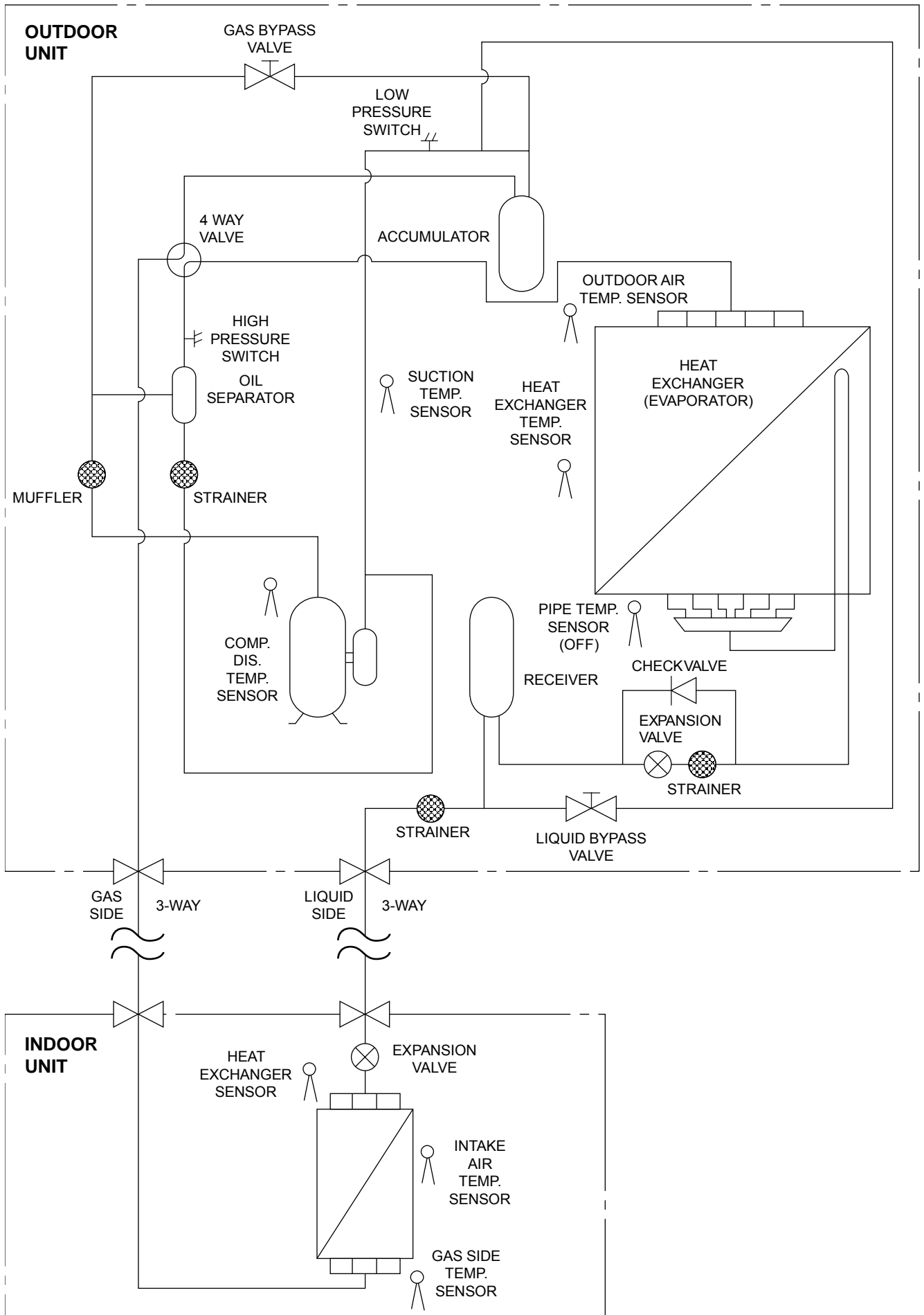
## 4.6 Outdoor Unit

### 4.6.1 U-4LA1E5, U-5LA1E5, U-6LE1E5, U-4LA1E5-1, U-5LA1E5-1, U-6LE1E5-1



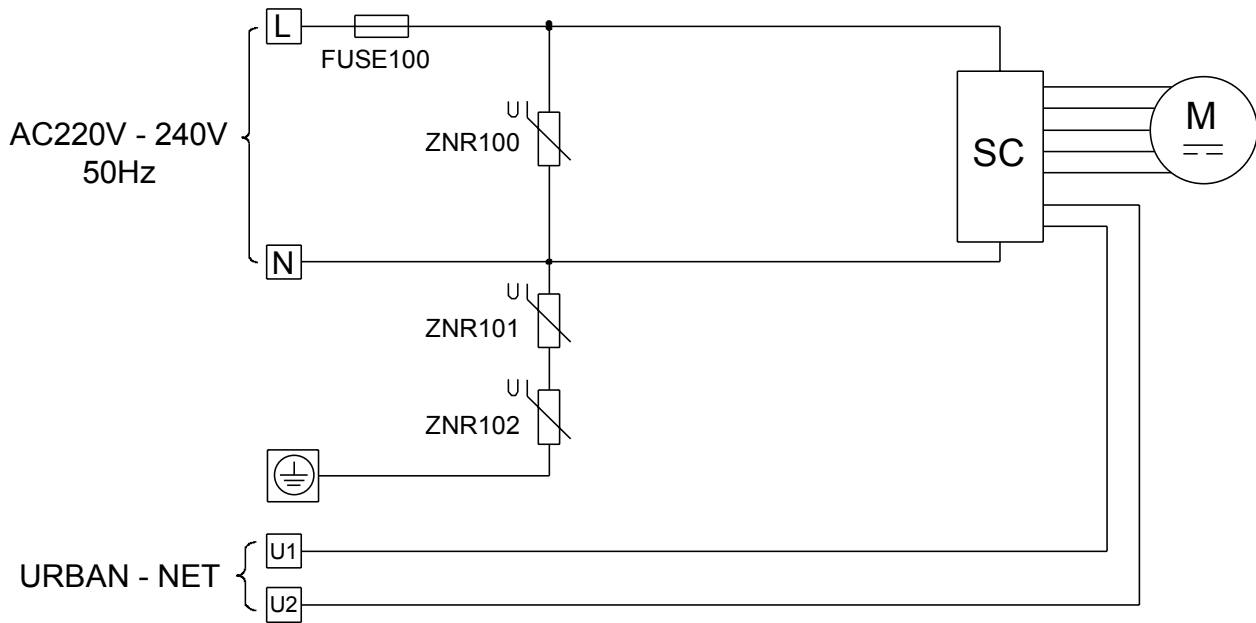


# 5. Refrigeration Cycle Diagram

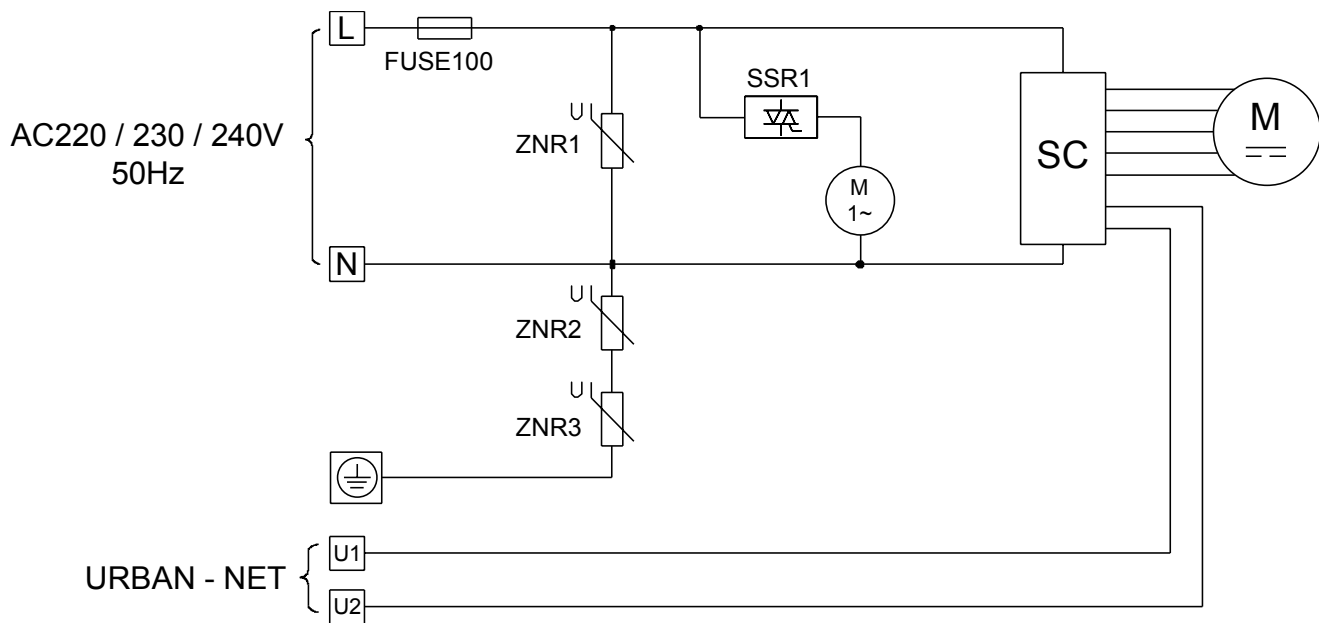


## 6. Block Diagram

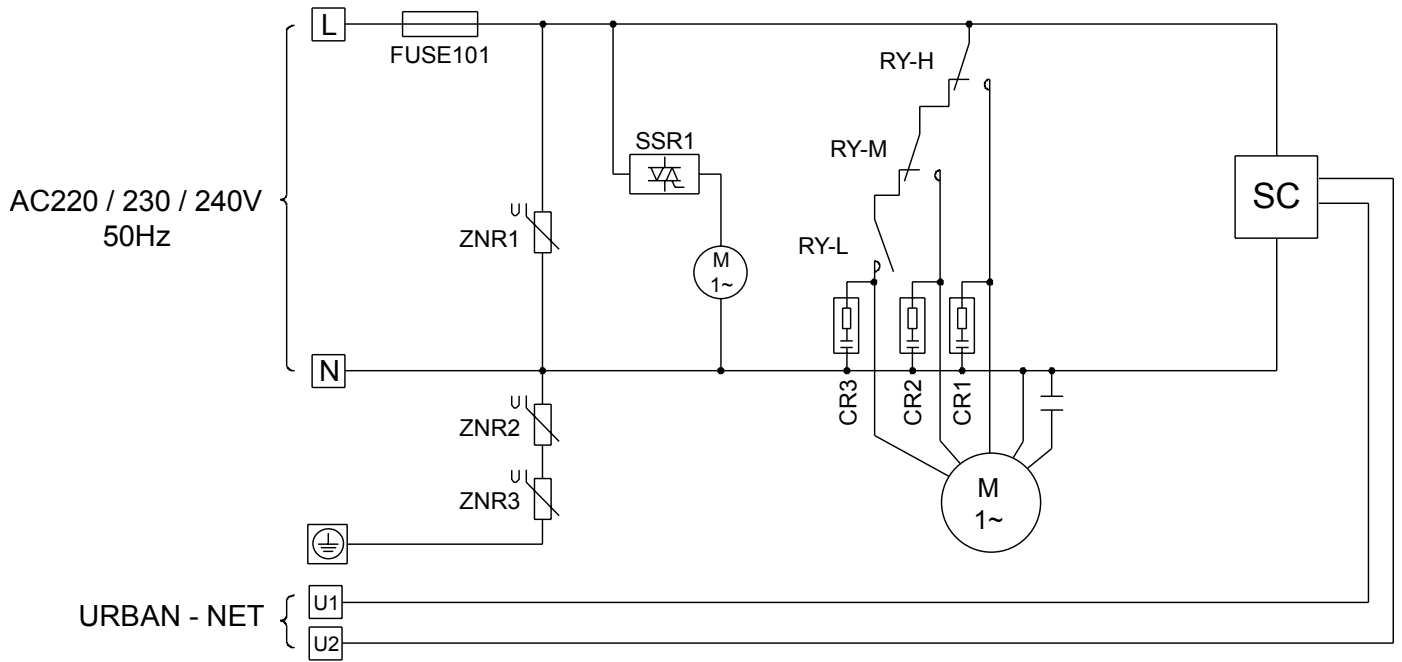
### 6.1 Wall Mounted Type Indoor Unit – KA1E5 Series



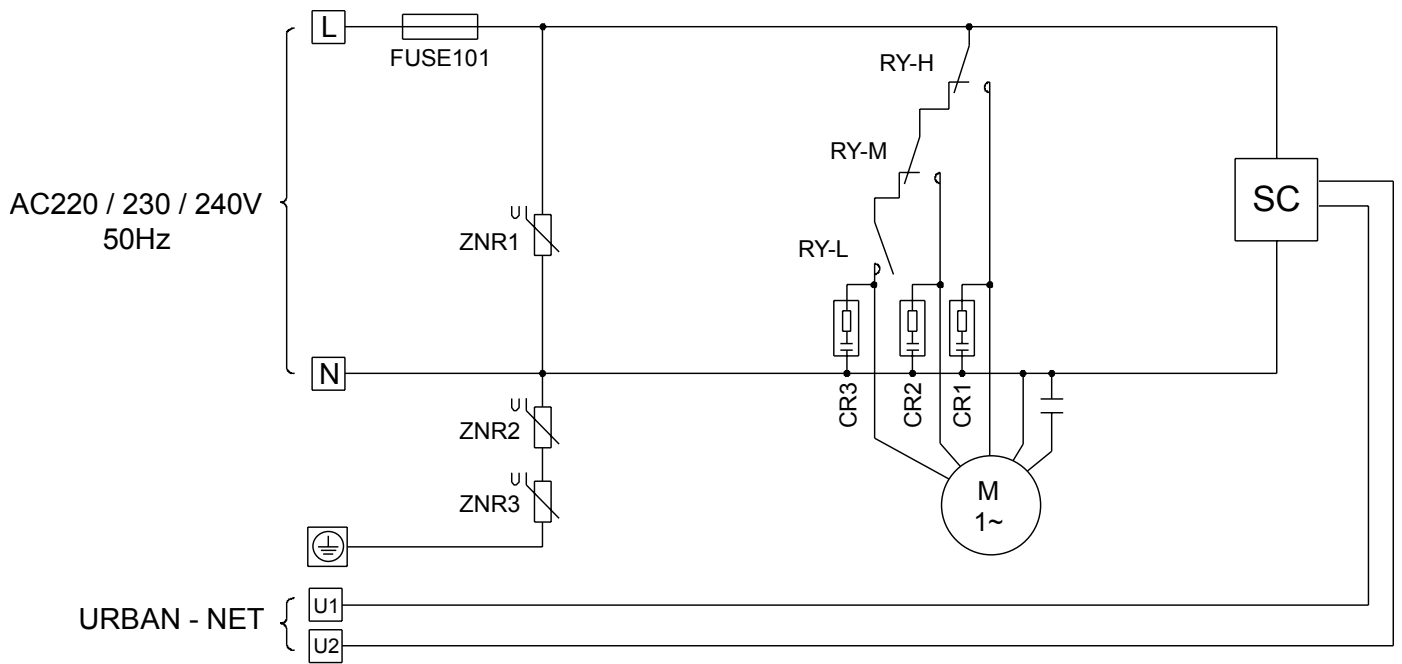
### 6.2 60 x 60 Cassette Type Indoor Unit – YA1E5 Series



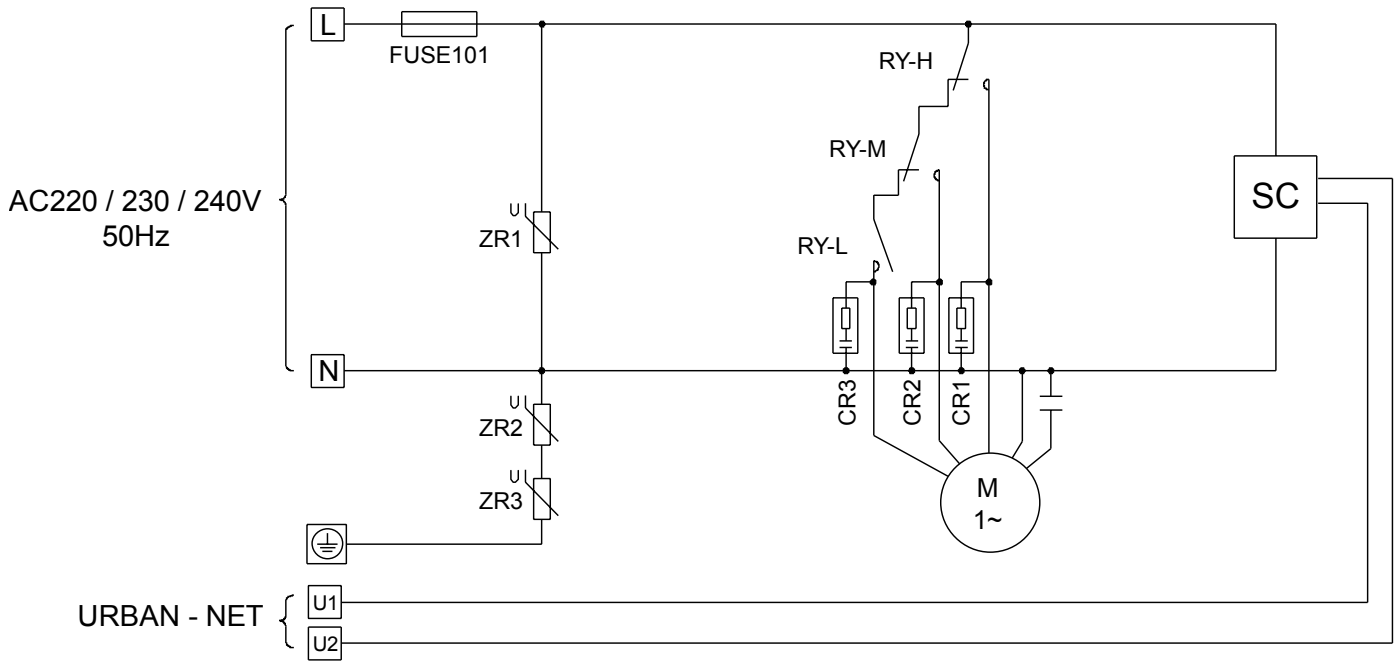
### 6.3 95 x 95 Cassette Type Indoor Unit – UA1E5 Series



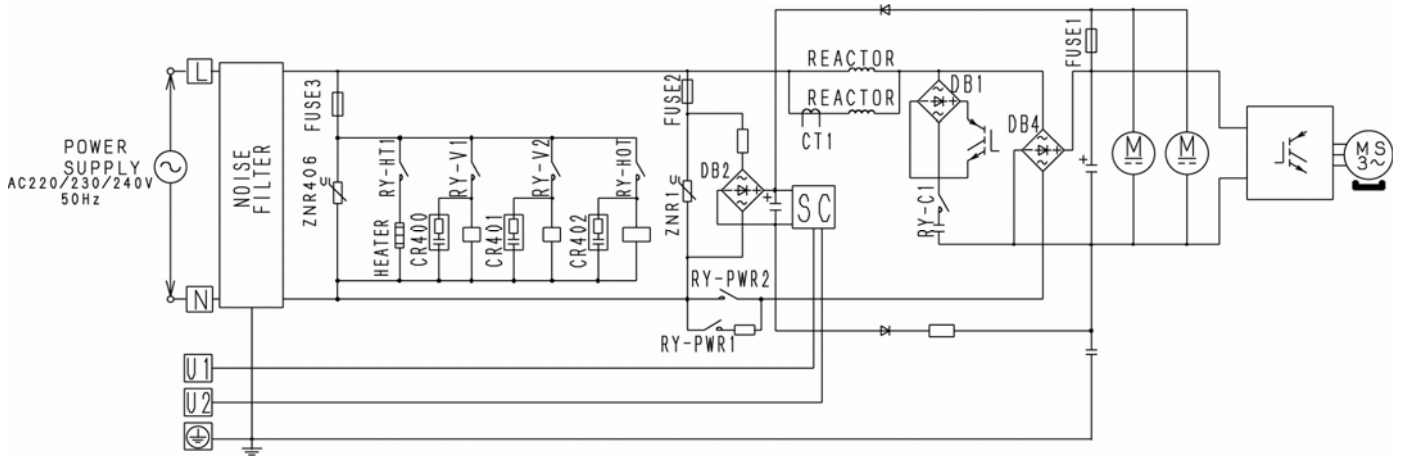
### 6.4 Slim Hide Away Type Indoor Unit – NA1E5 Series



## 6.5 Low Static Pressure Hide Away Type Indoor Unit – MA1E5 Series

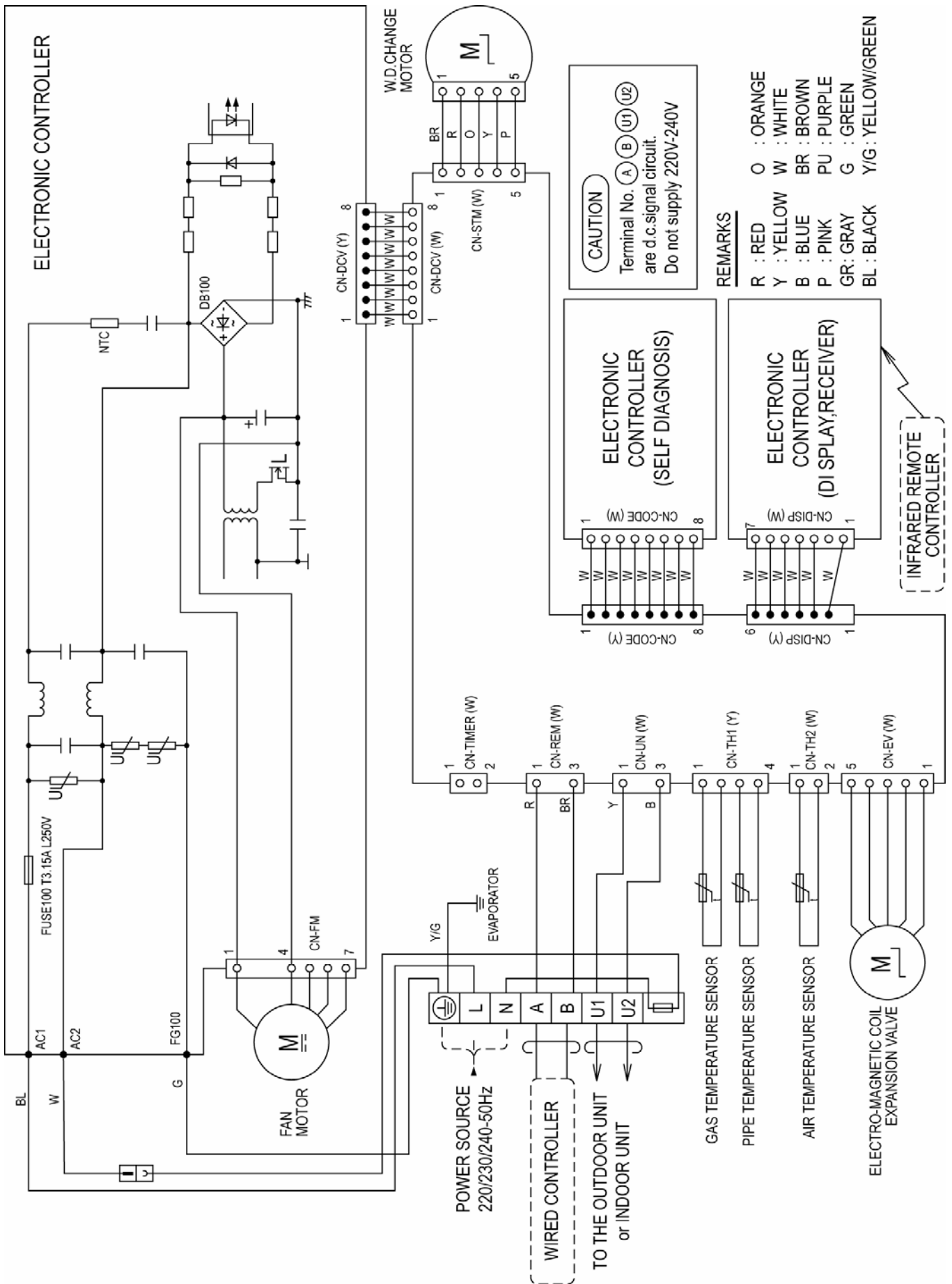


## 6.6 Outdoor Unit – LA1E5 Series



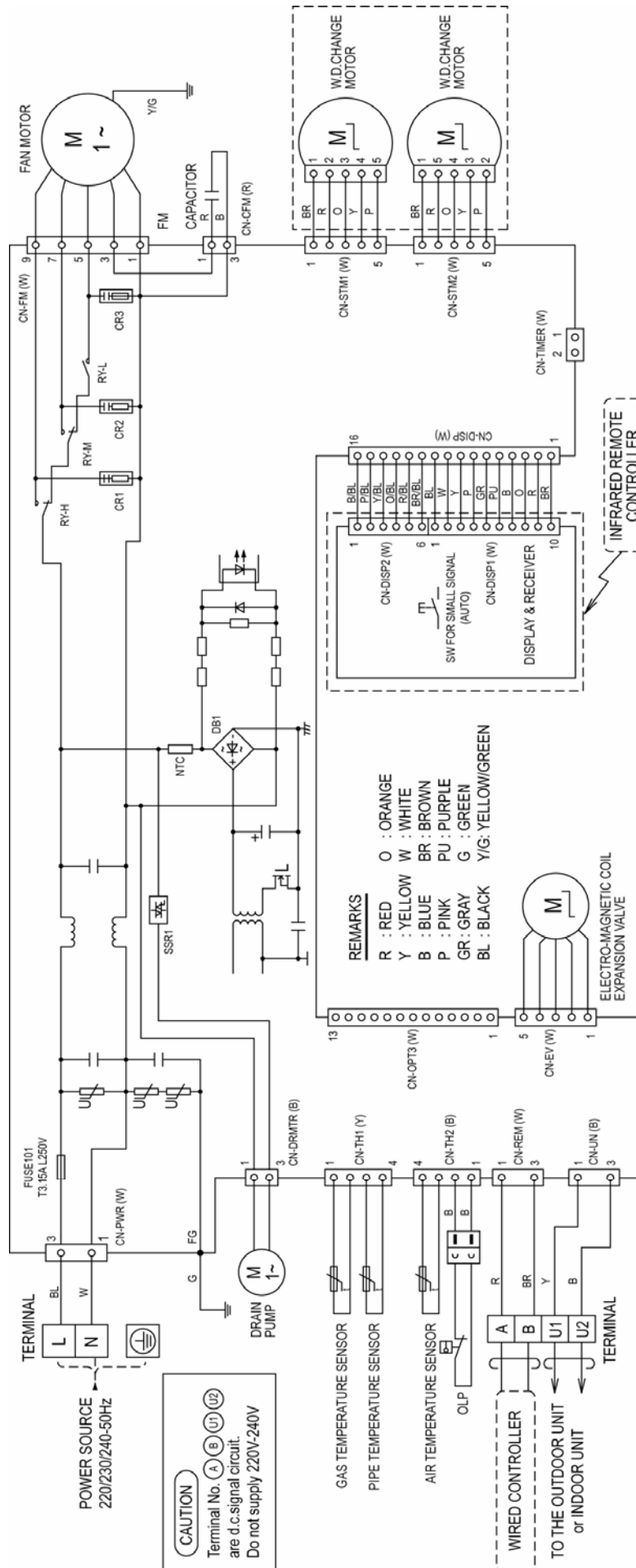
# 7. Wiring Connection Diagram

## 7.1 Wall Mounted Type Indoor Unit – KA1E5 Series



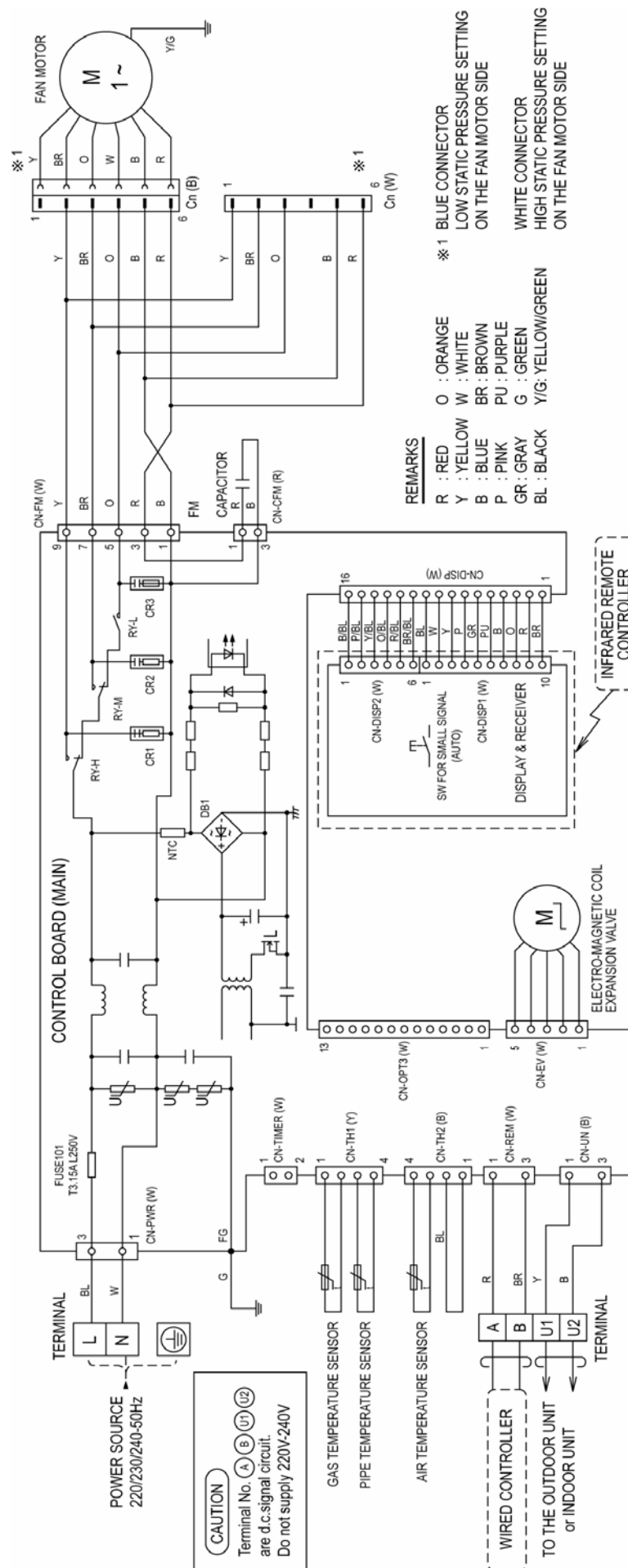


## 7.3 95 x 95 Cassette Type Indoor Unit – UA1E5 Series

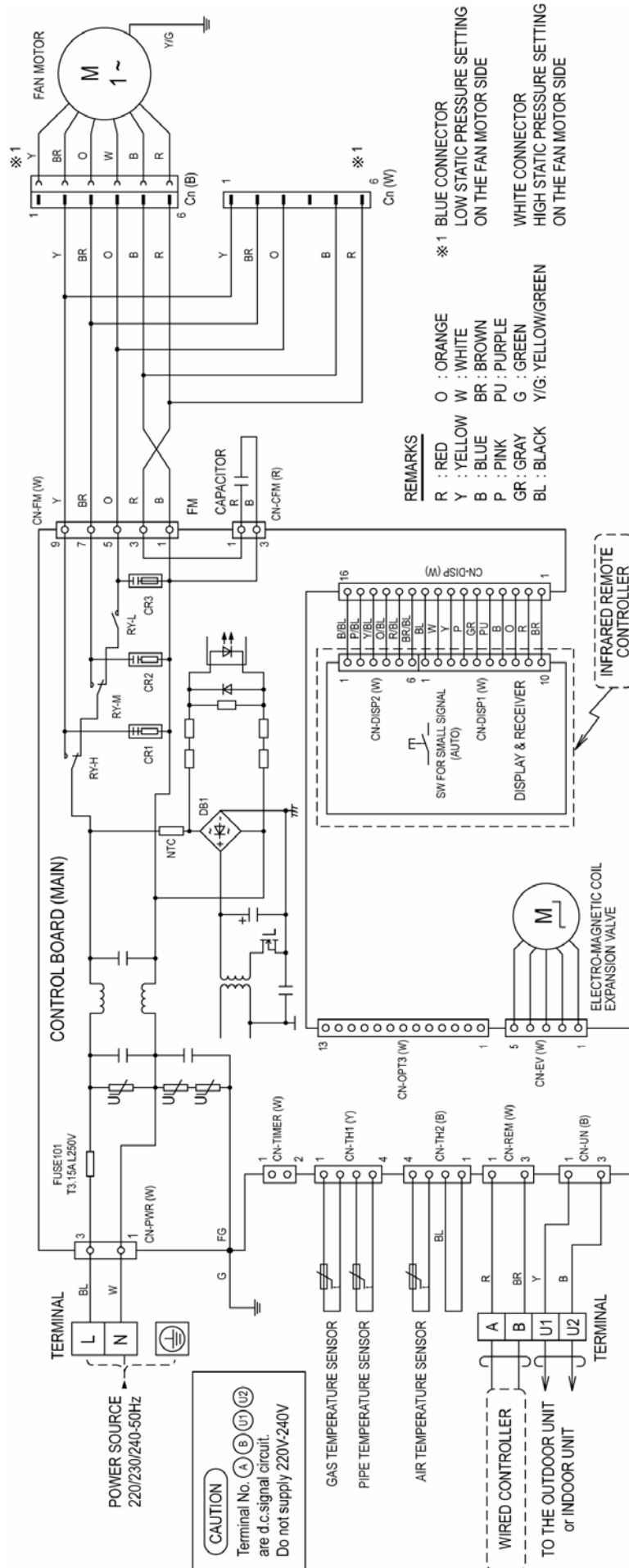




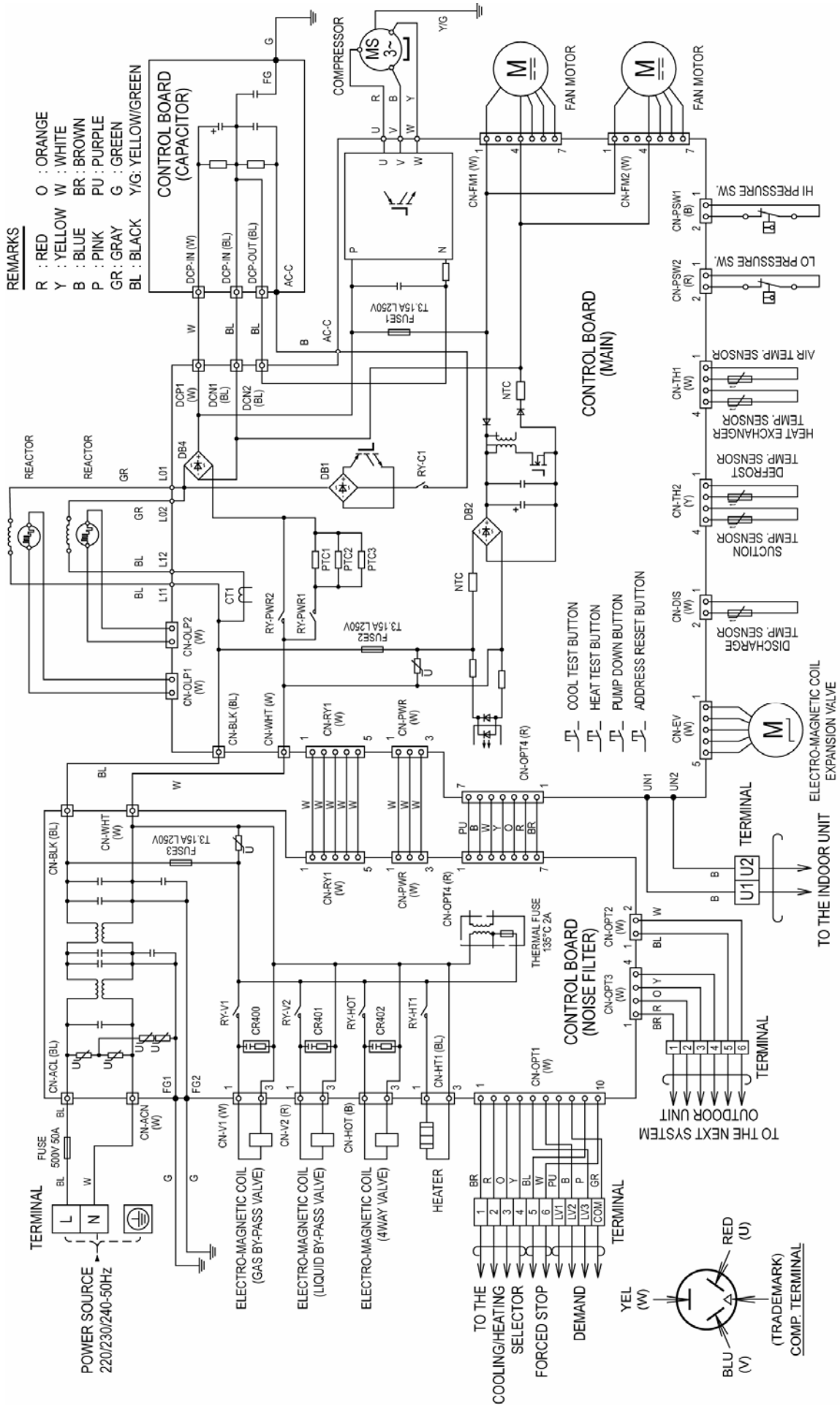
## 7.4 Slim Hide Away Type Indoor Unit – NA1E5 Series



## 7.5 Low Static Pressure Hide Away Type Indoor Unit – MA1E5 Series

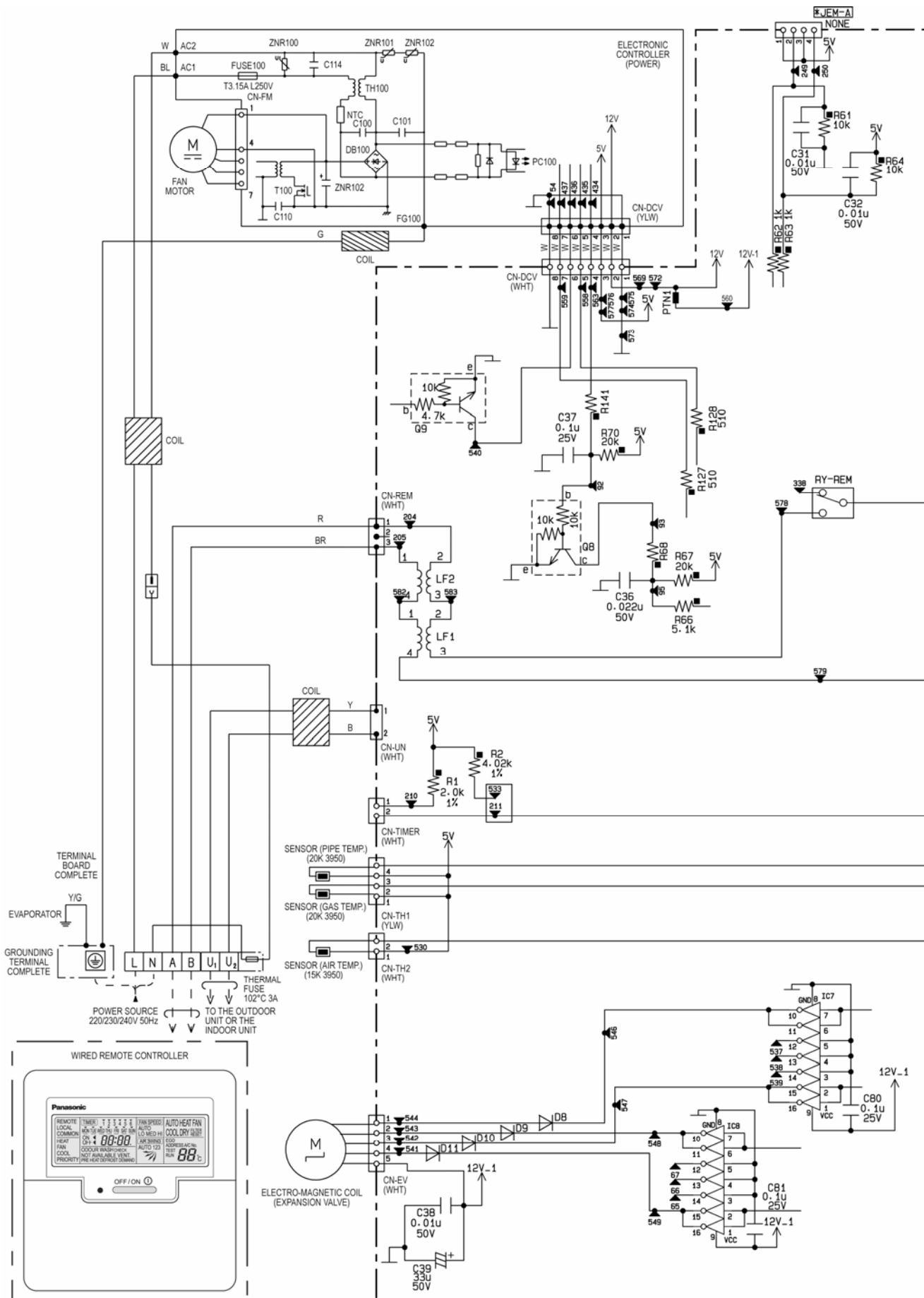


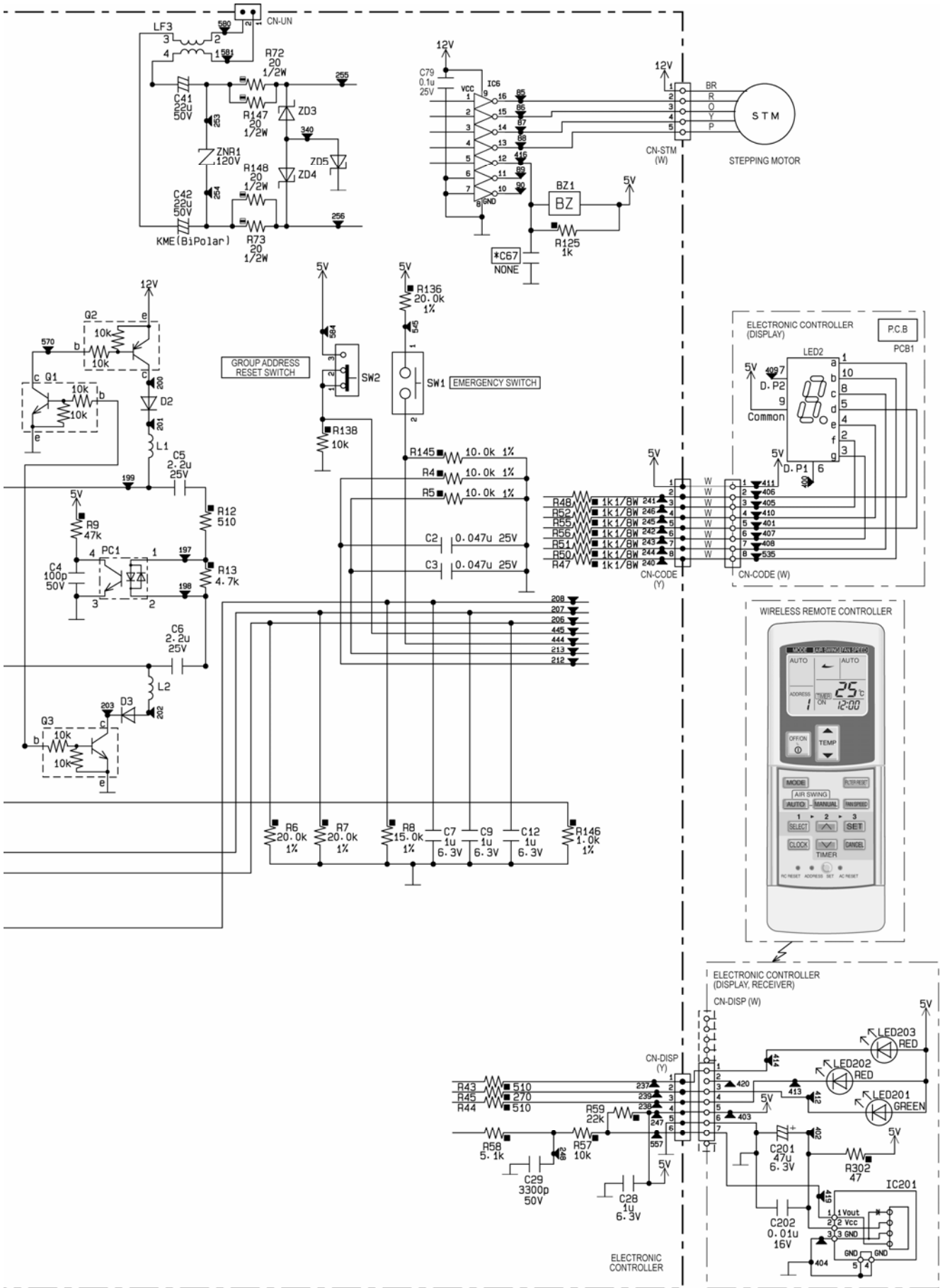
# 7.6 Outdoor Unit – LA1E5 Series



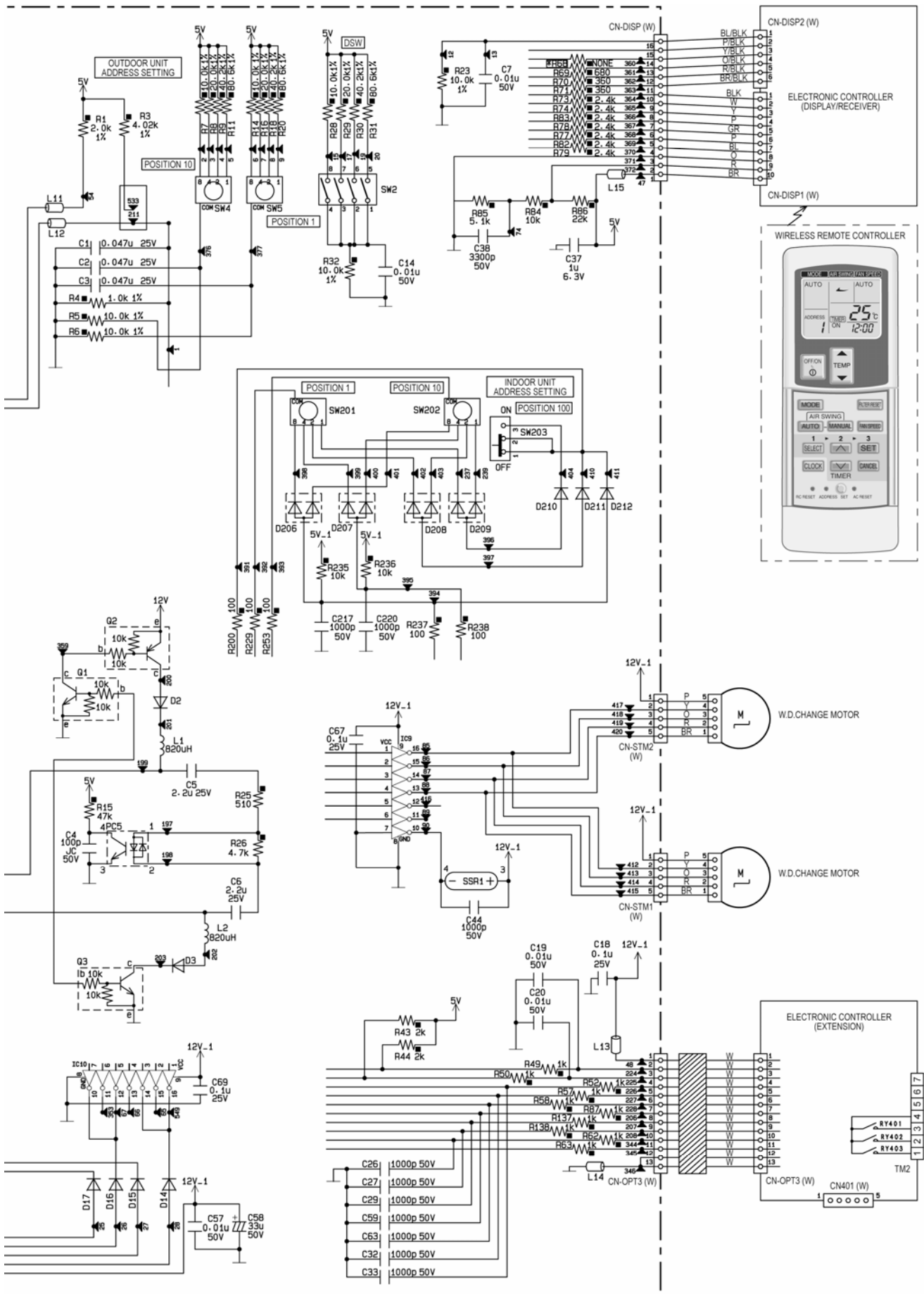
# 8. Electronic Circuit Diagram

## 8.1 Wall Mounted Type Indoor Unit – KA1E5 Series

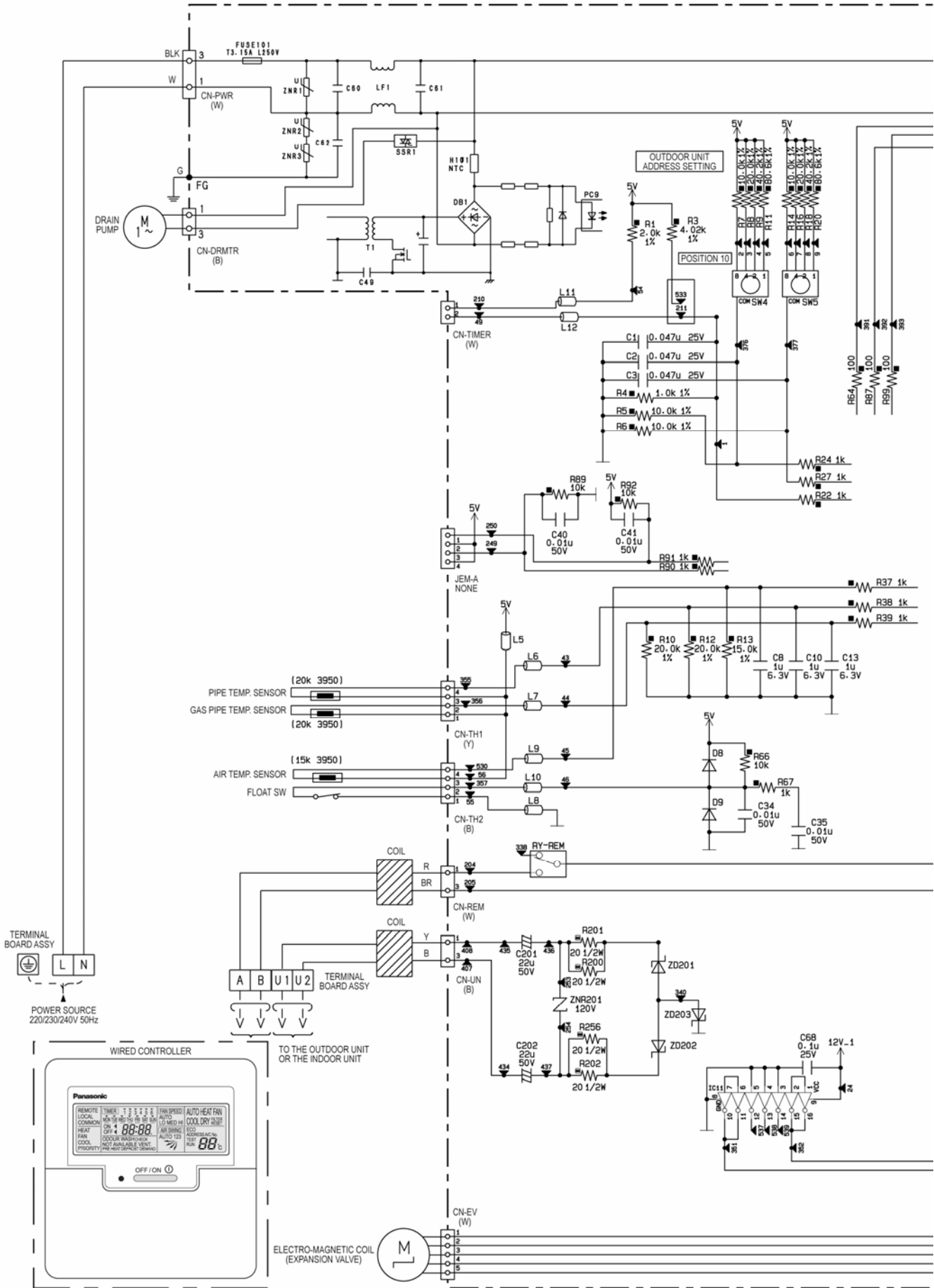




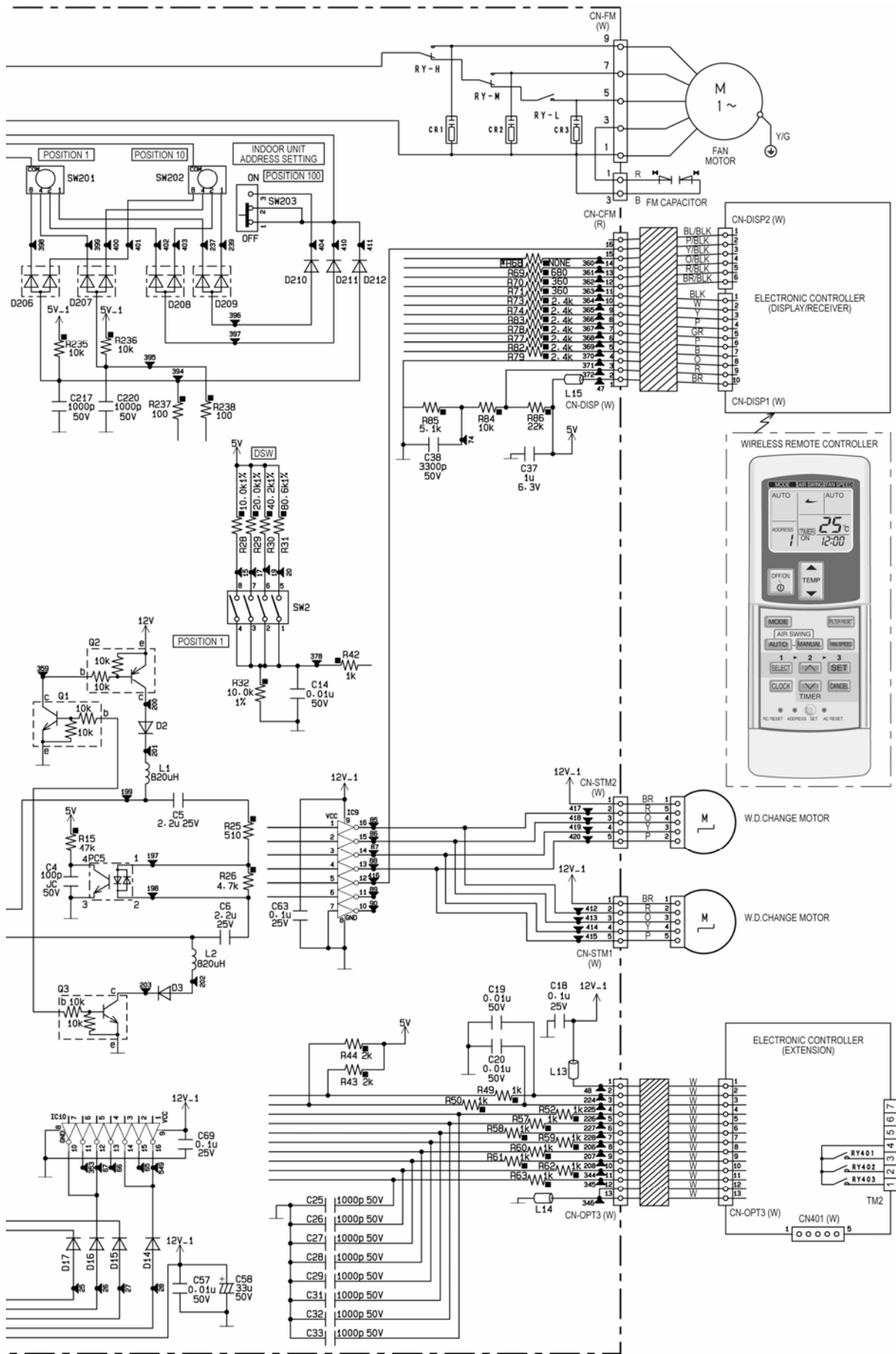




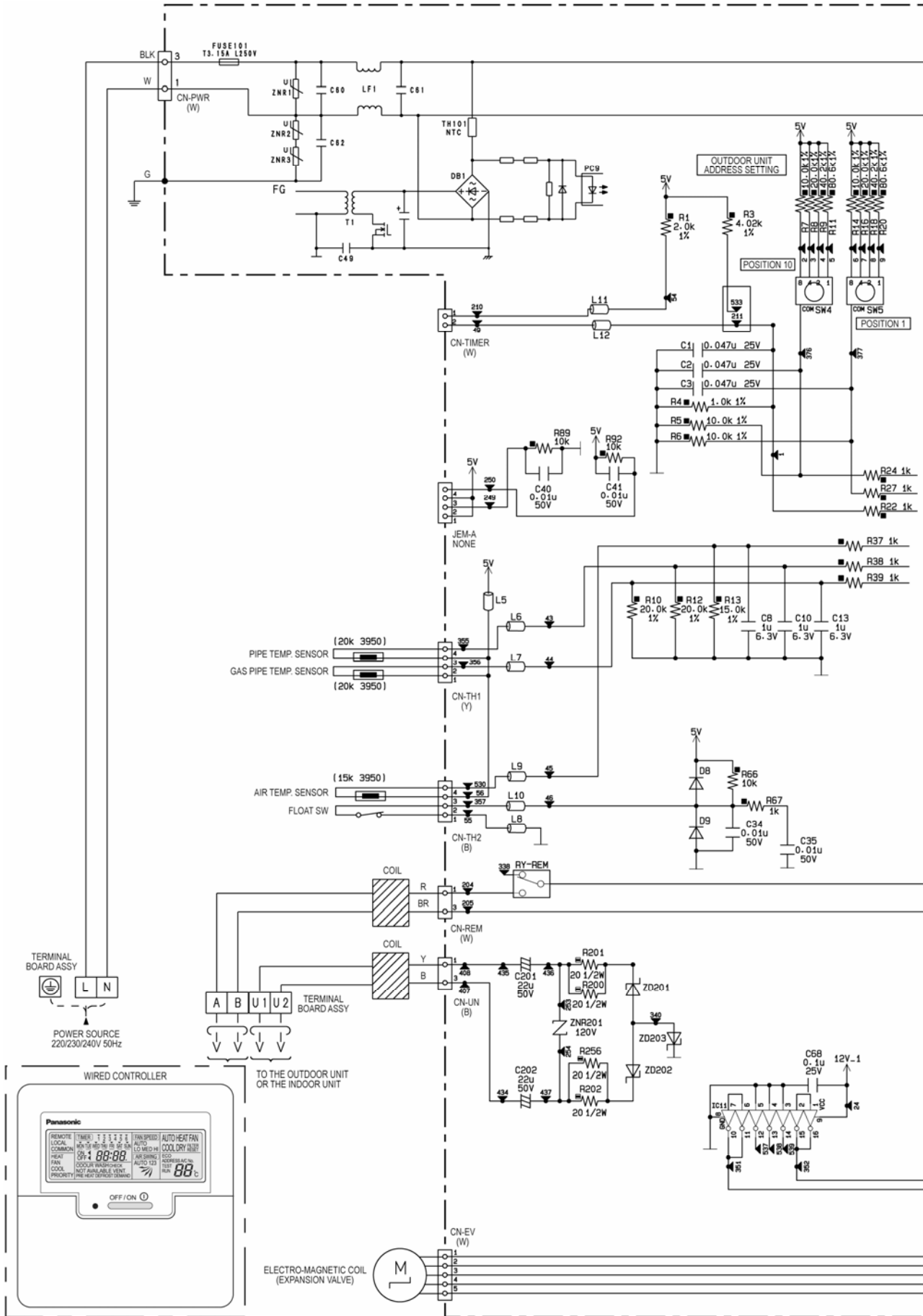
## 8.3 95 x 95 Cassette Type Indoor Unit – UA1E5 Series

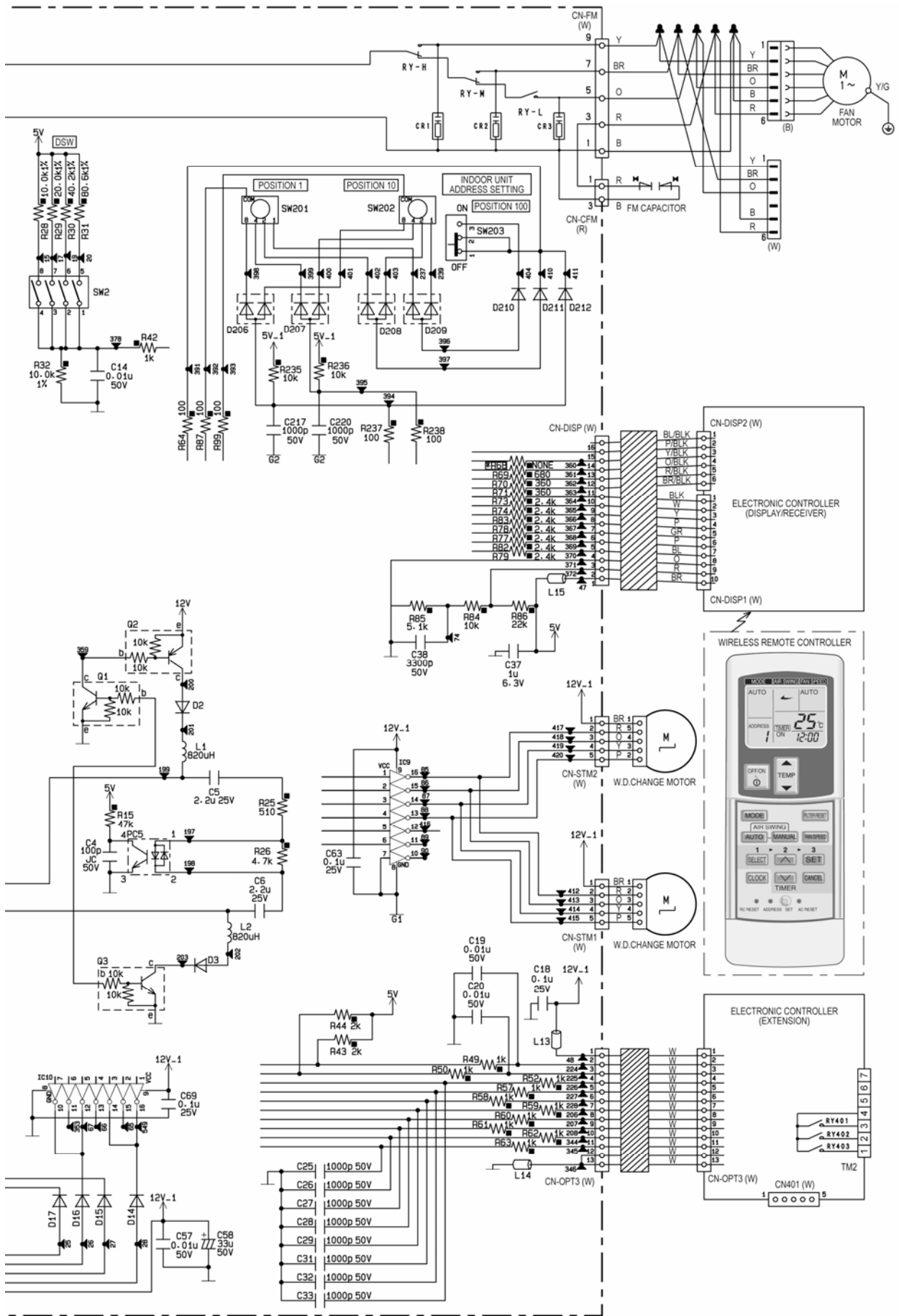




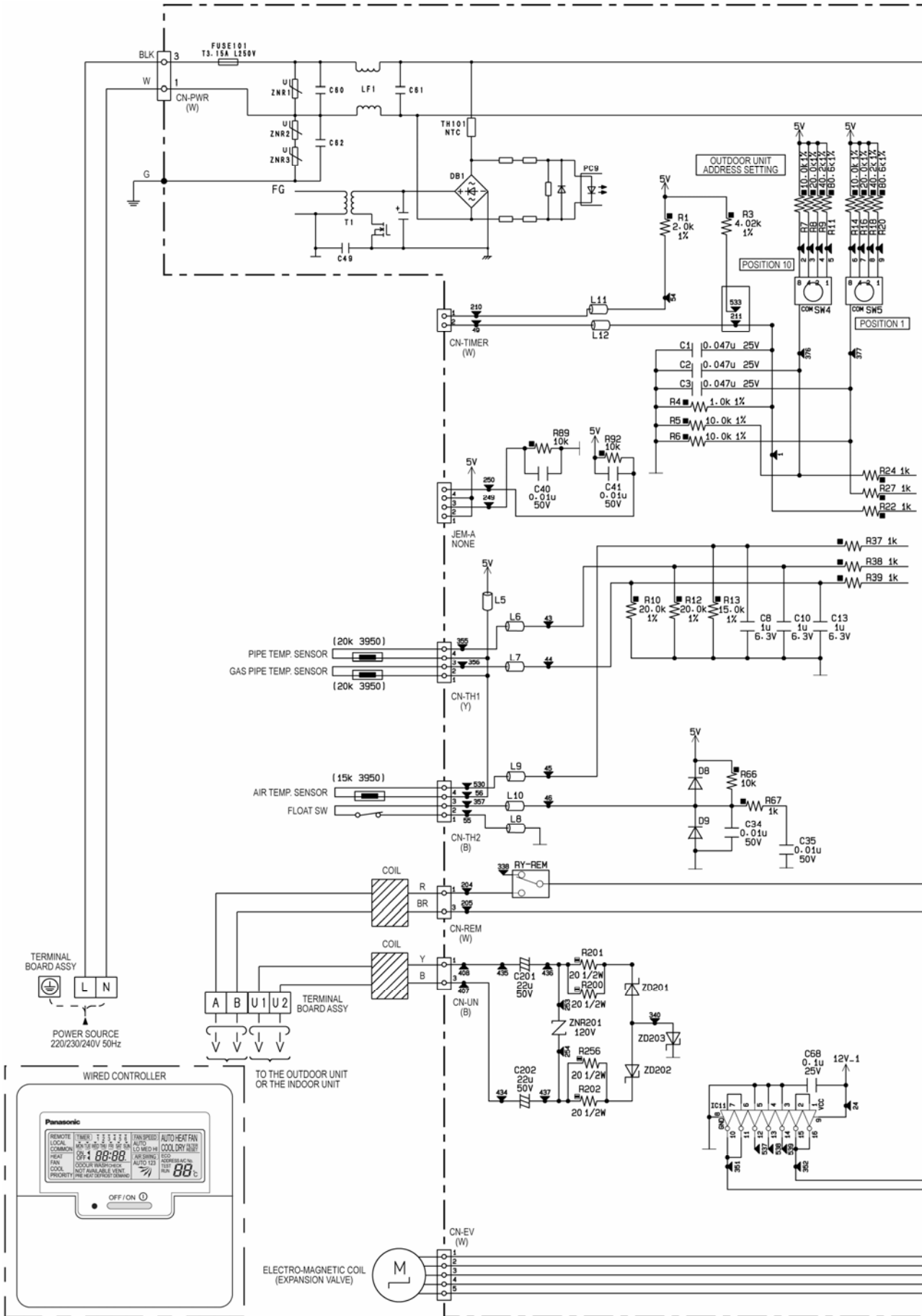


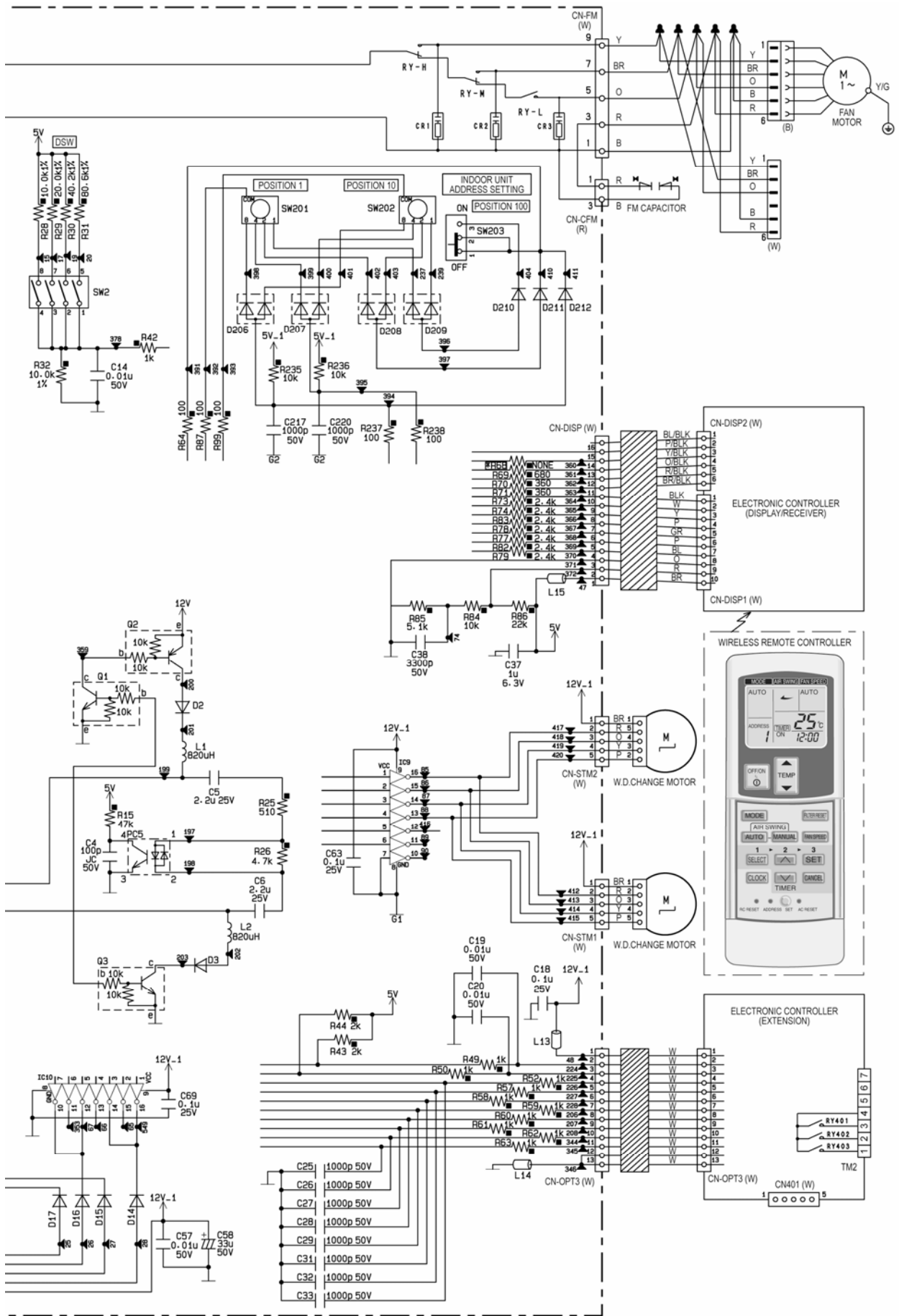
## 8.4 Slim Hide Away Type Indoor Unit – NA1E5 Series





# 8.5 Low Static Pressure Hide Away Type Indoor Unit – MA1E5 Series





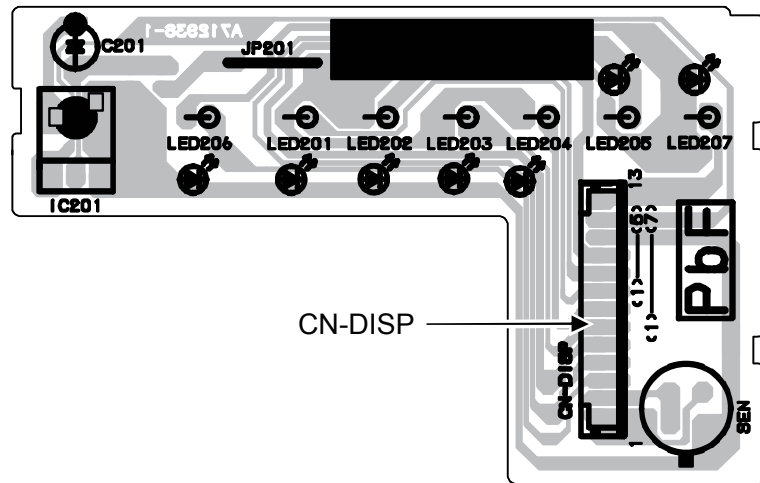




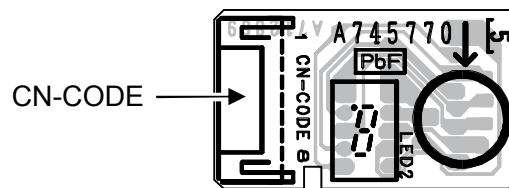




### 9.1.3 Receiver PCB

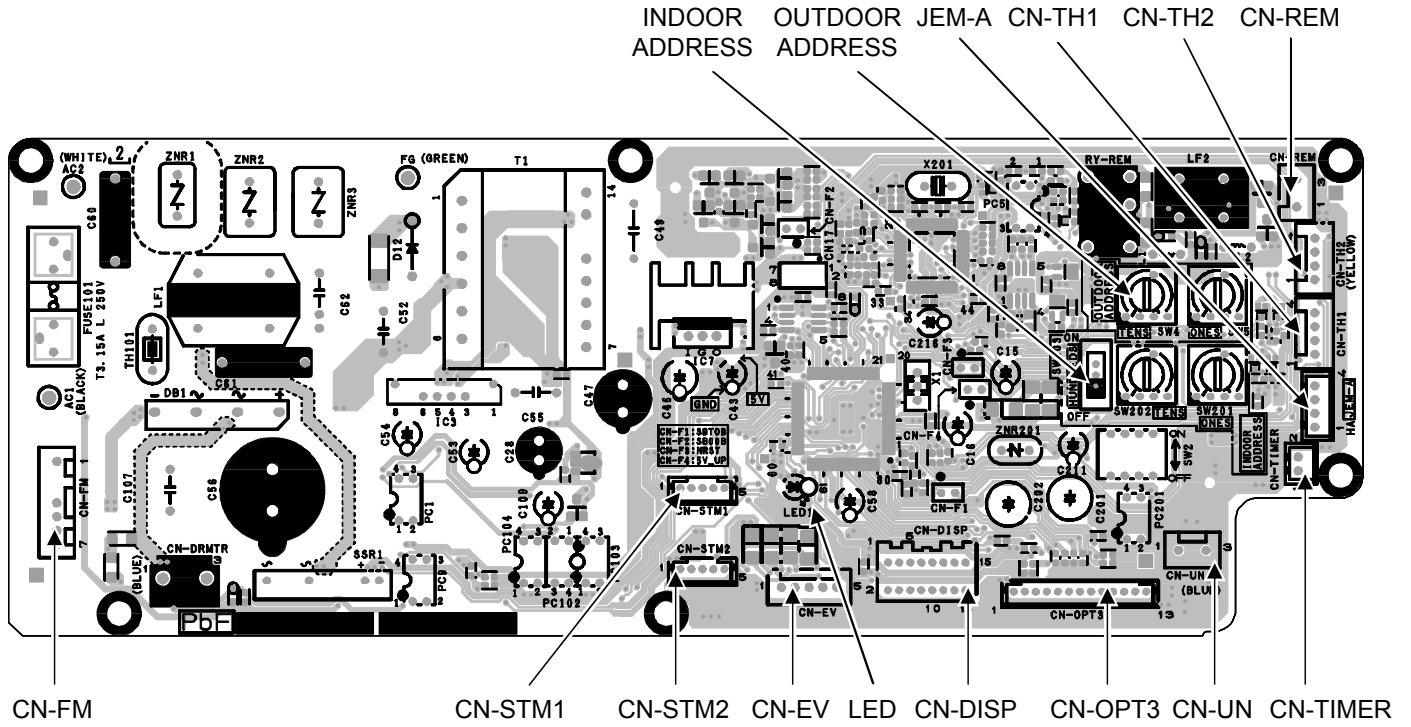


### 9.1.4 Error Code Display PCB



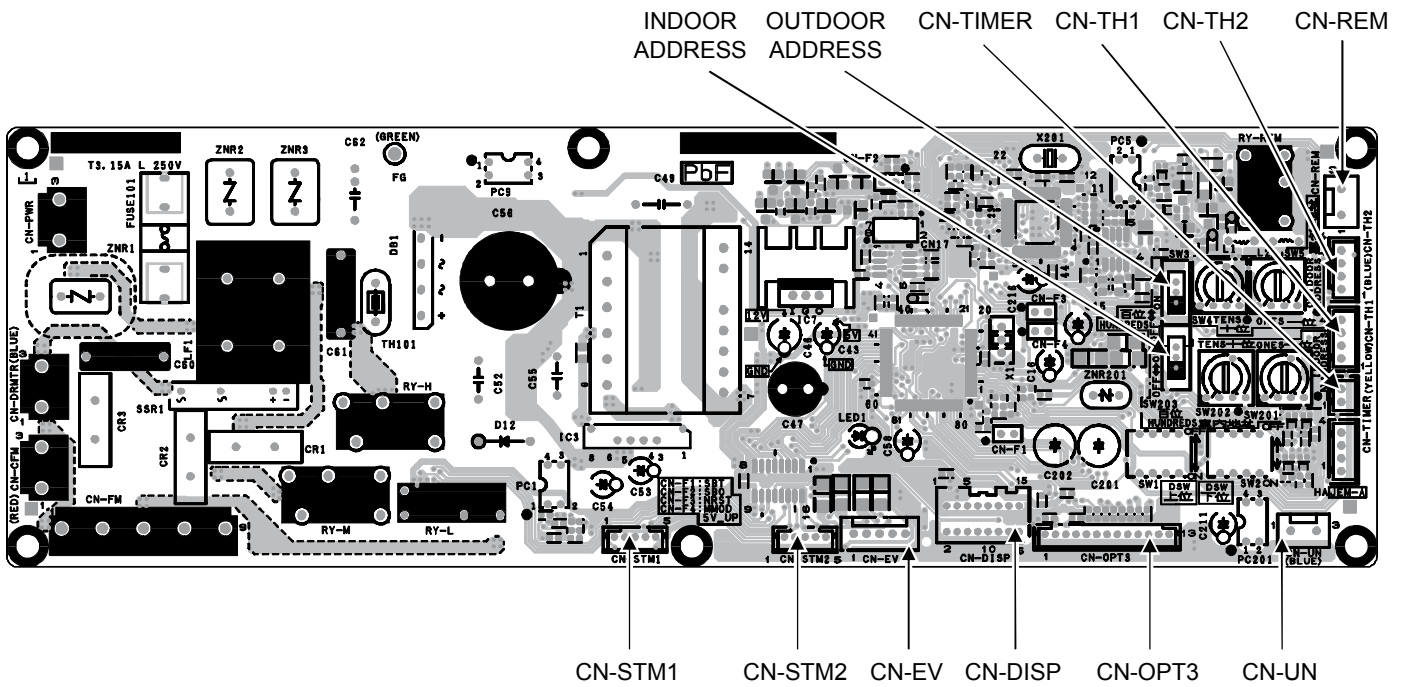
## 9.2 60 x 60 Cassette Type Indoor Unit – YA1E5 Series

### 9.2.1 Main PCB



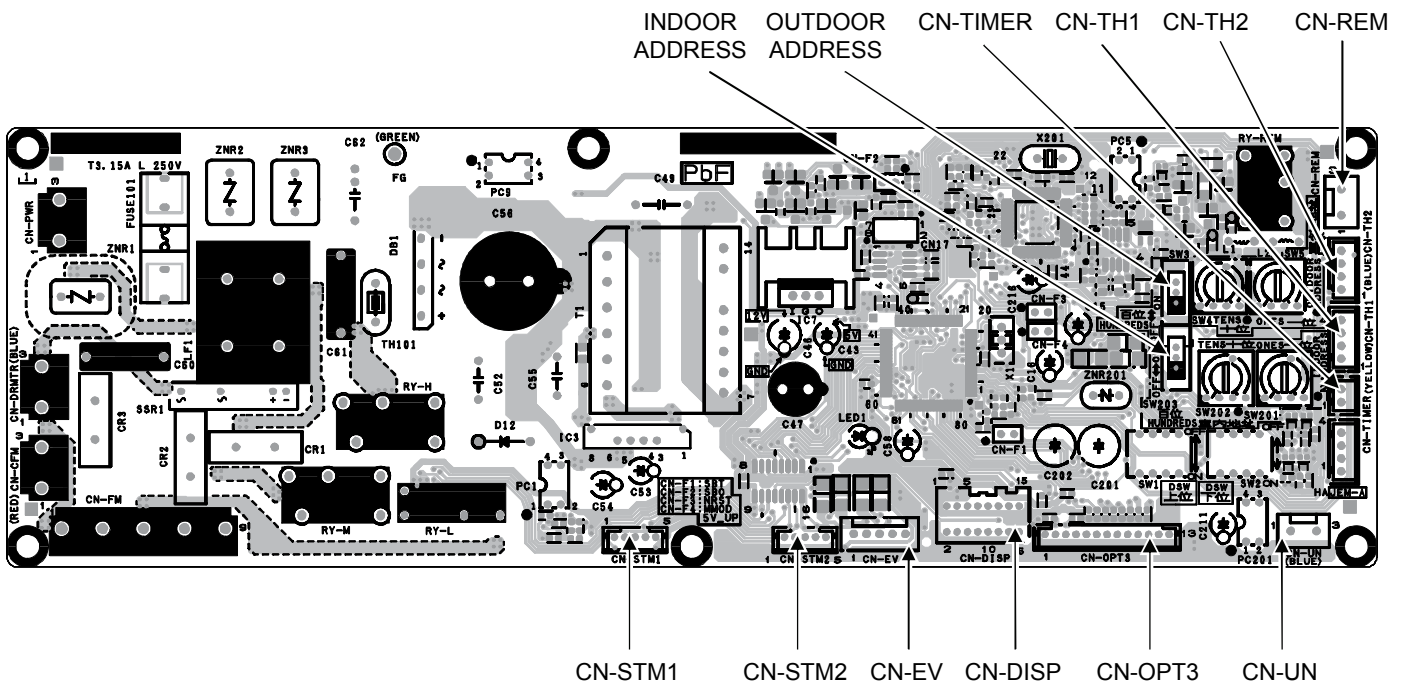
### 9.3 95 x 95 Cassette Type Indoor Unit – YA1E5 Series

#### 9.3.1 Main PCB



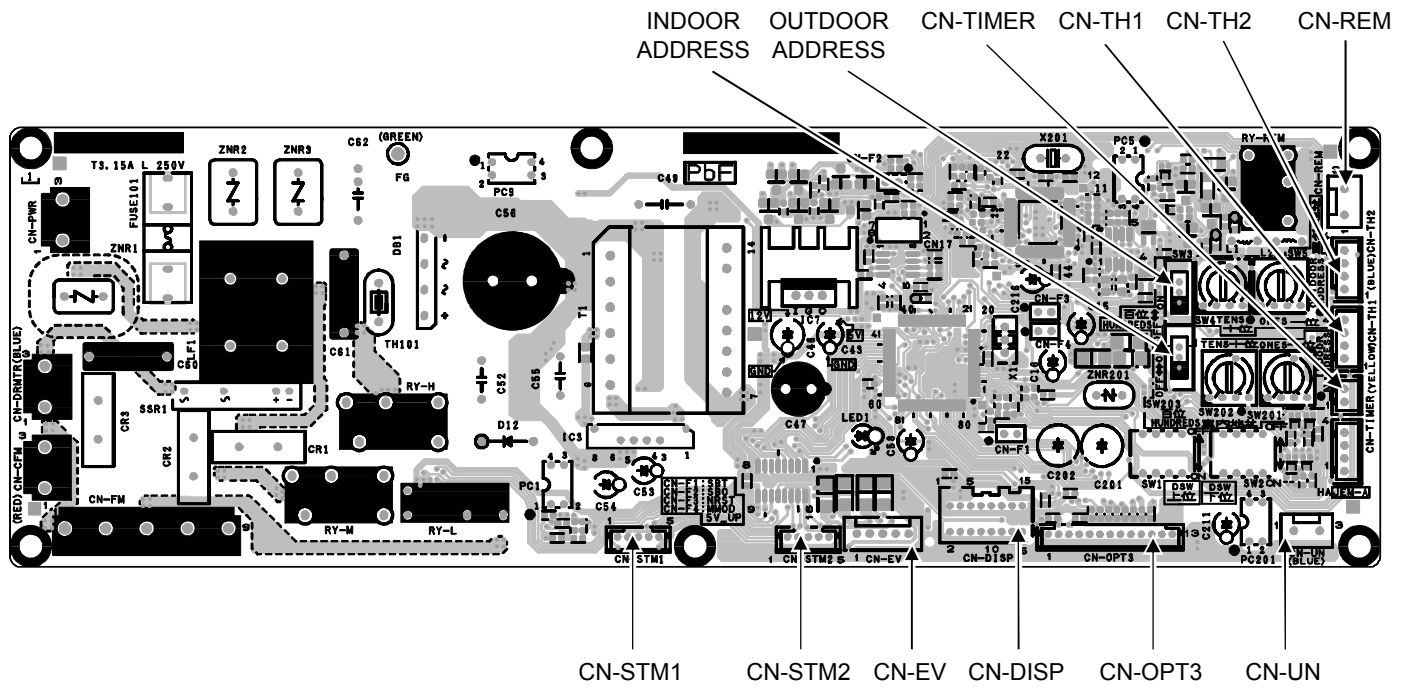
### 9.4 Slim Hide Away Type Indoor Unit – NA1E5 Series

#### 9.4.1 Main PCB



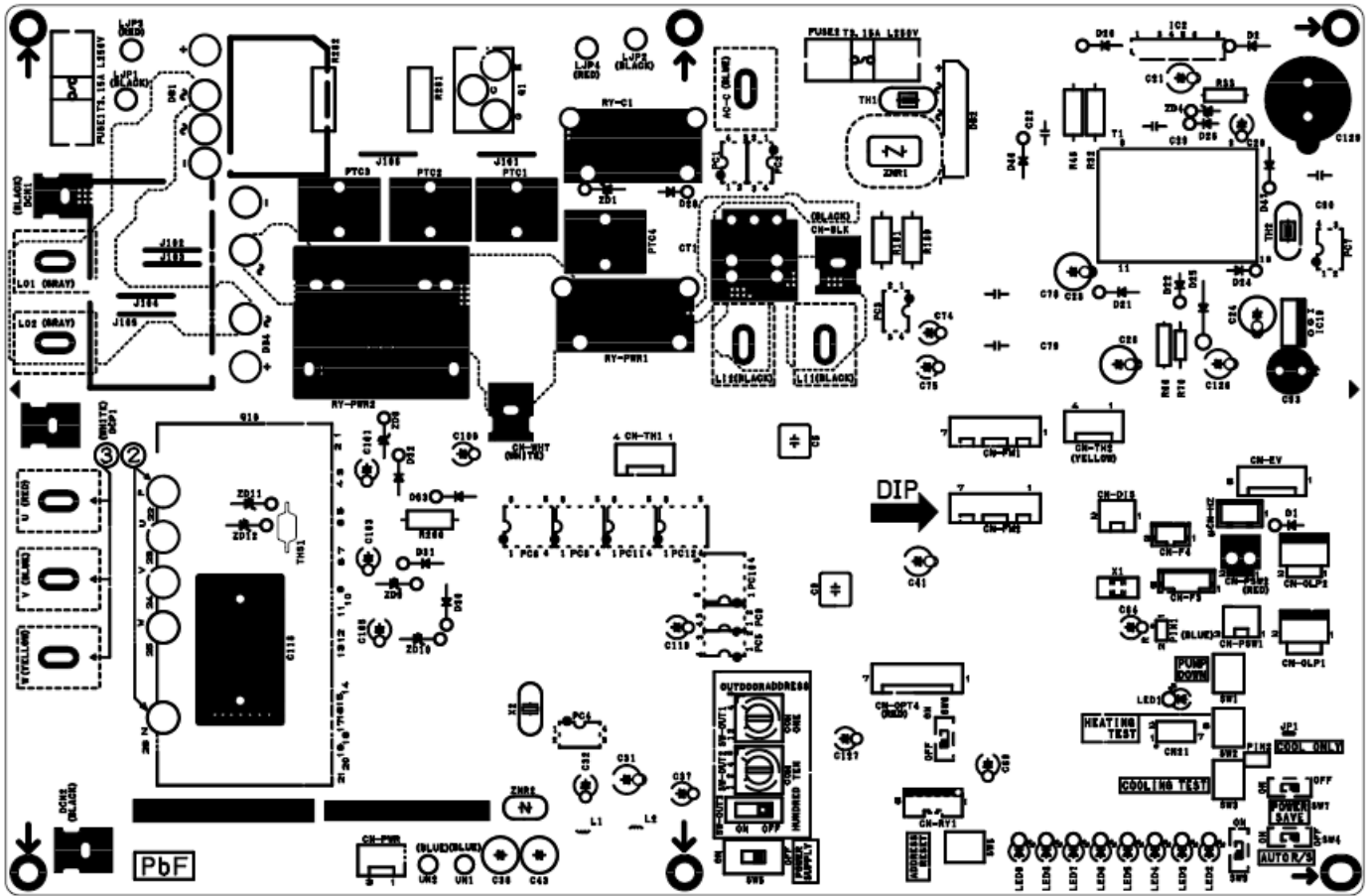
## 9.5 Low Static Pressure Hide Away Type Indoor Unit – MA1E5 Series

### 9.5.1 Main PCB



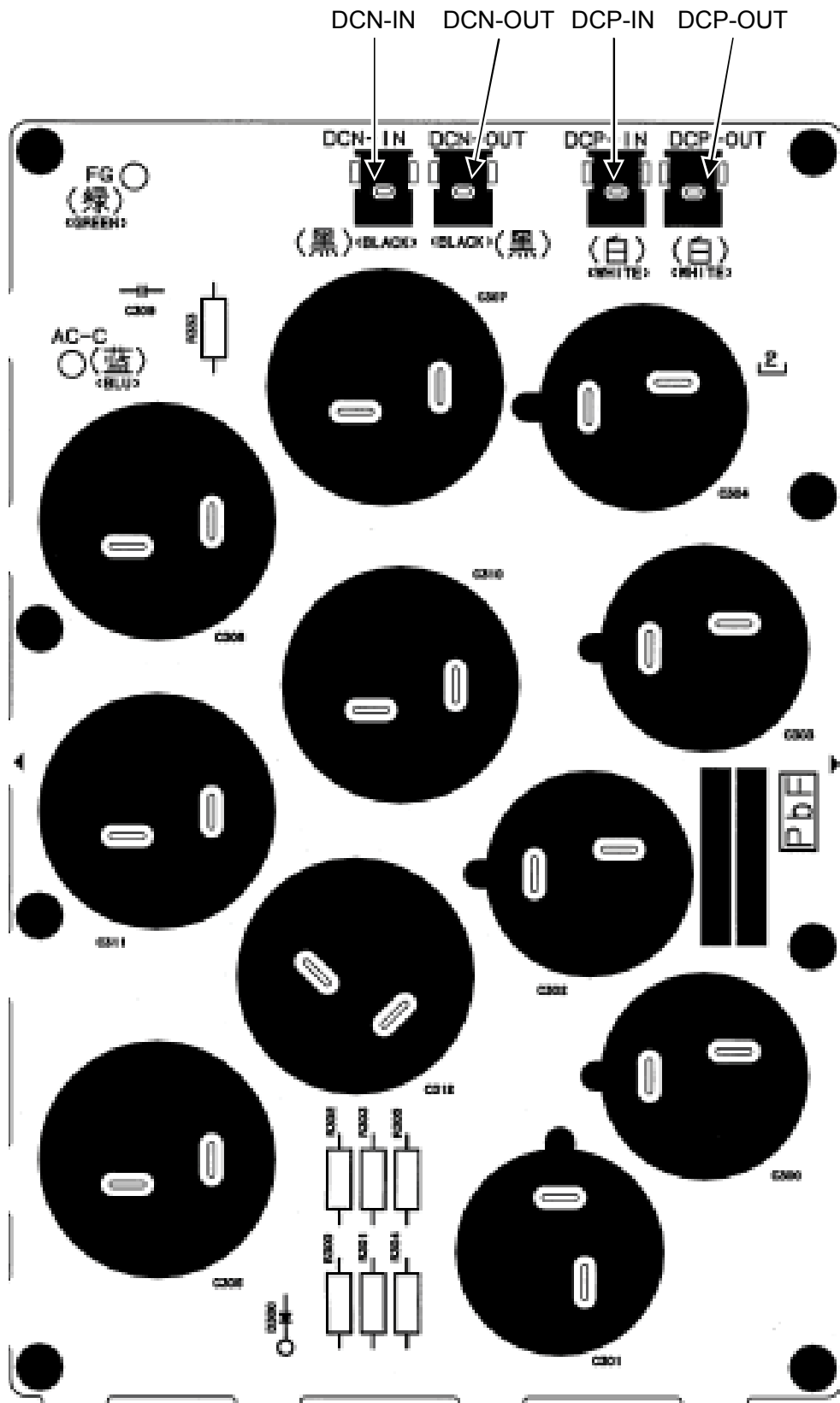
## 9.6 Outdoor Unit – LA1E5 Series

### 9.6.1 Main PCB





### 9.6.3 Capacitor PCB



# 10. Remote Control Operating Instructions

## 10.1 Wired remote control CZ-RT1

### Name and function of each part

#### 1 REMOTE

The OFF/ON button cannot be used.

#### LOCAL

All wired remote control buttons can be used.

#### 2 Timer/time setting display

#### 3 Check display

#### 4 Fan Speed display

#### 5 Operation mode selection display

#### 6 FILTER RESET display

Appear after the cumulative running time reaches approximately 2,500 hours of operation.

#### 7 Temperature setting display (16°C – 31°C)

#### 8 Airflow direction setting display

#### 9 OFF/ON button

Used to start and stop the operation.

#### 10 FAN SPEED button

Used to select the fan speed of HI, MED, LO or AUTO.

#### 11 MODE button

Used to select operation mode of AUTO, HEAT, FAN, COOL or DRY.

#### 12 TEMP (UP/DOWN) button

Use to select the desired temperature.

#### 13 AIR SWING (AUTO/MANUAL) button

Not applicable for Hide Away models.

#### 14 FILTER RESET button

Press to reset the "FILTER RESET" display after washing the filter.

#### 15 TEST RUN button\*

#### 16 VENTILATION button\*

#### 17 ECONOMY button

Function not available for this model.

#### 18 ODOUR WASH button

Function not available for this model.

#### 19 CHECK button

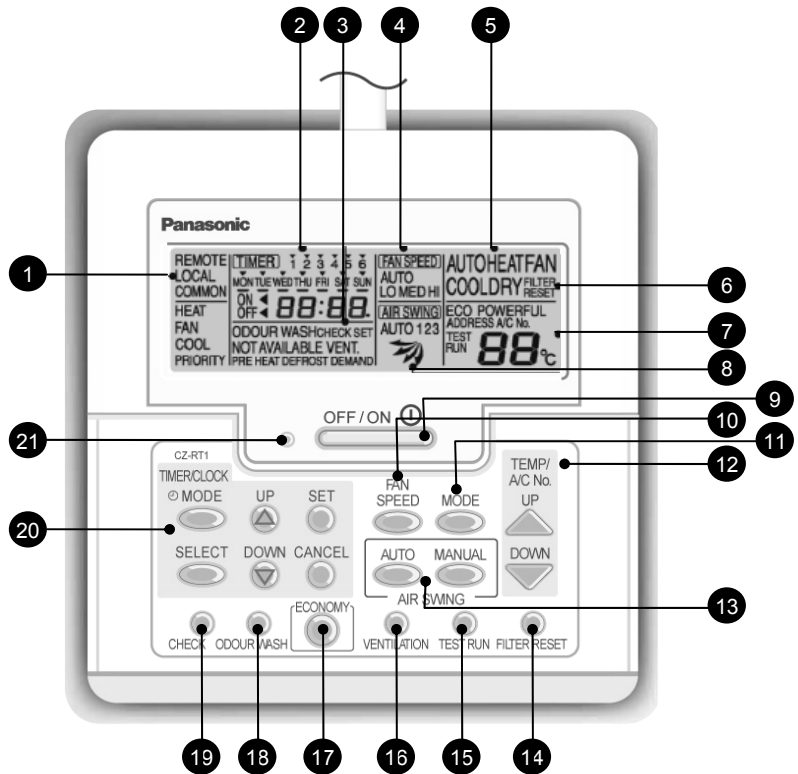
Press this button if the check display is flashing.

#### 20 TIMER/CLOCK SET button

Use to set the timer operation and the current time.

#### 21 OPERATION Indicator

Light ON when the unit in operation.



### NOTES

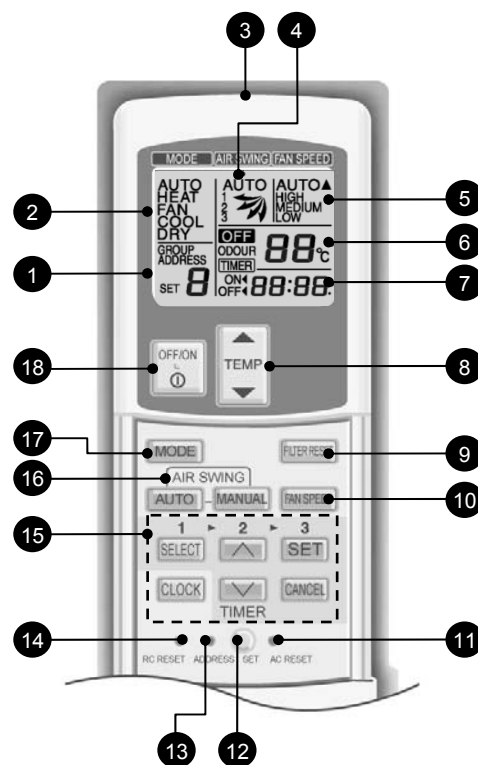
- Buttons with \* mark are not needed for normal operation. If one of these buttons is pressed by mistake, press the same button once again to cancel the operation.
- When the power resumed after power failure, by default the unit will restart automatically with all previous setting preserved by the memory function under AUTO RESTART function.



## 10.2 Wireless Remote Control CZ-RWS1 – Heat Pump models / CZ-RWC1 – Cooling models

### Name and Function of each part

- 1 Address number display
- 2 Operation mode selection display
- 3 Infrared Transmitter  
Transmit the remote control signal.
- 4 Airflow direction setting display
- 5 Fan speed display
- 6 Temperature setting display (16°C – 31°C)
- 7 Timer/time setting display  
Show the timer operation setting time or the current time.
- 8 TEMP (UP/DOWN) buttons  
Use to select desired temperature.
- 9 FILTER RESET button  
Press to turn OFF the "FILTER" indicator at the control panel.
- 10 FAN SPEED button  
Use to select the fan speed of HIGH, MEDIUM, LOW and AUTO.
- 11 AC RESET button\*  
System reset.
- 12 SET button  
Local setting function
- 13 ADDRESS button\*  
Use to change the address setting of indoor unit.
- 14 RC RESET button  
Use to clear the remote control setting from memory.
- 15 TIMER/CLOCK SET buttons  
Use to set timer operation and current time.
- 16 AIR SWING (AUTO/MANUAL) buttons  
Not applicable for Hide Away models.
- 17 MODE button  
Use to select operation mode of AUTO, HEAT, FAN, COOL or DRY. HEAT mode is not available for CZ-RWC1.
- 18 OFF/ON button  
Use to start or stop the operation



### NOTE

- Buttons with \* mark are not needed for normal operation. If one of these buttons is pressed by mistake, press the same button once again to cancel the operation.
- When the power resumed after power failure, by default the unit will restart automatically with all previous setting preserved by the memory function under AUTO RESTART function.

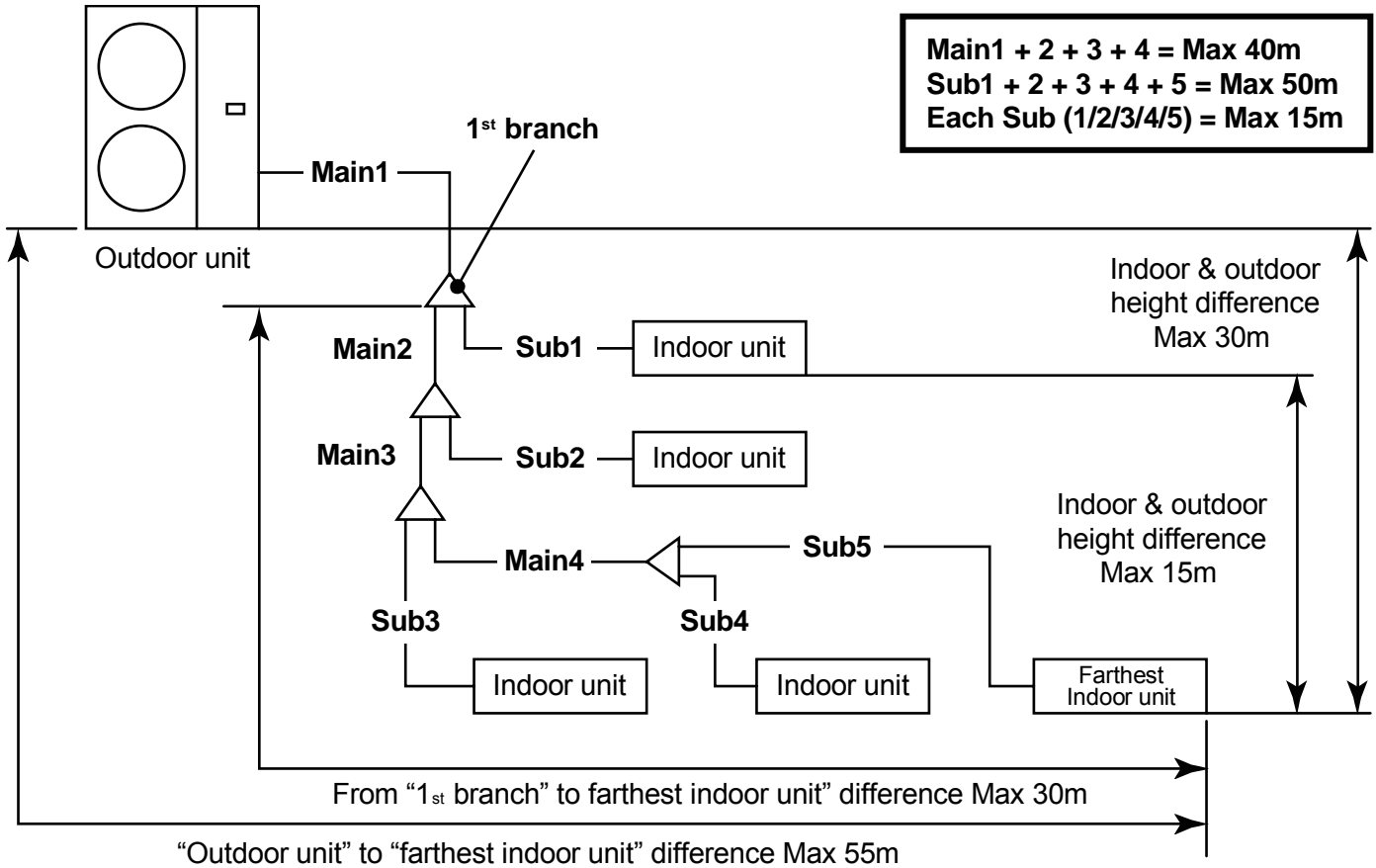
# 11. Installation Instruction

## 11.1 Pipe Length

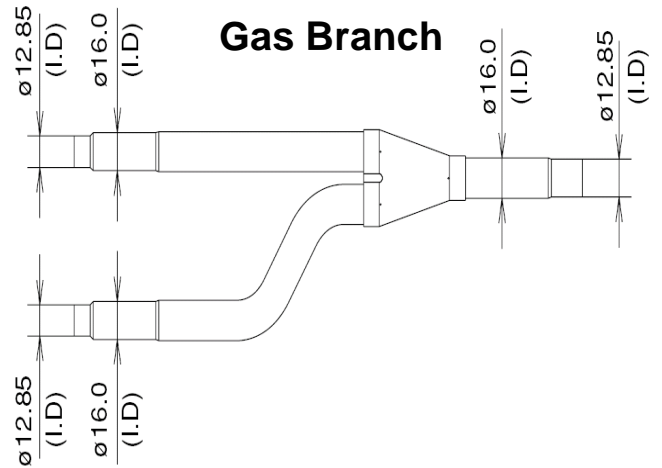
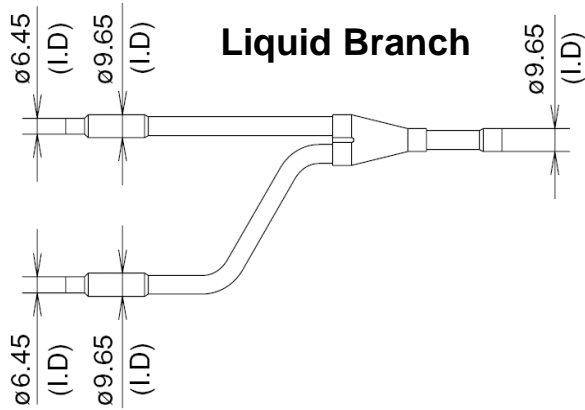
### Length Calculation

Model	U-4LA1E5, U-5LA1E5, U-6LA1E5 U-4LA1E5-1, U-5LA1E5-1, U-6LA1E5-1	Length	Piping connection example
Allowable height different	Indoor / outdoor unit height difference	30m or less	
	Indoor / Indoor unit height difference	15m or less	
Allowable piping length	Total piping length	20m ~ 90m	Main1+Main2+Main3+Main4+Sub1+Sub2+Sub3+Sub4+Sub5
	Total Main piping length	40m or less	Main1+Main2+Main3+Main4
	Total Sub piping length	50m or less	Sub1+Sub2+Sub3+Sub4+Sub5
	Sub piping length	15m or less	
	From outdoor unit to innermost indoor unit difference	55m or less	
	From 1 <sup>st</sup> branch to innermost indoor unit difference	30m or less	

Example of piping connection



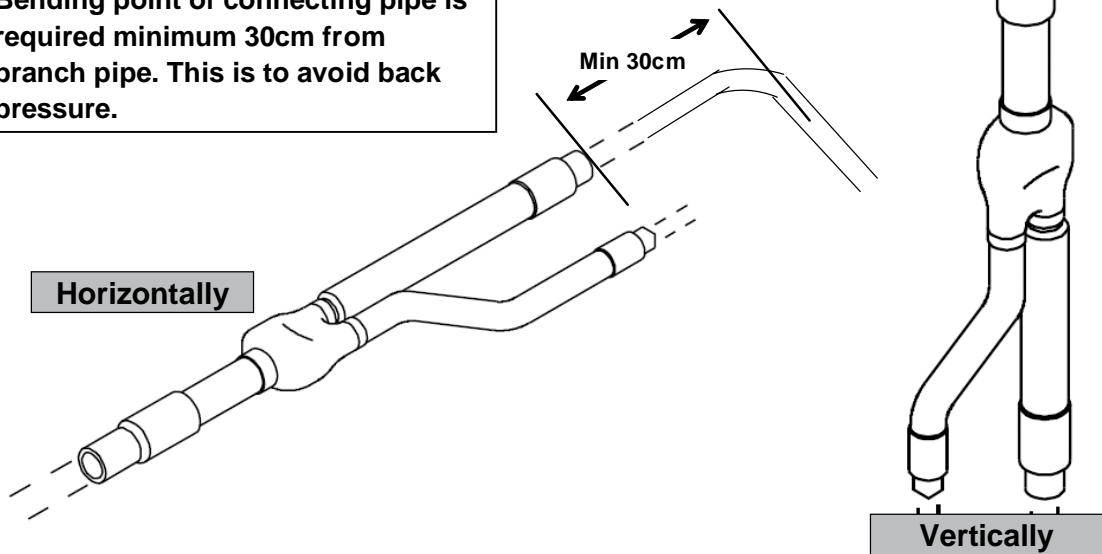
## 11.2 Branch Pipe Connection CZ-P155BK1



Branch to Indoor Unit		Liquid (Hi) Pipe	Gas (Low) Pipe
2.2 ~ 6.3kW	0.8 ~ 2.5HP	6.35 mm (1/4")	12.70 mm (1/2")
7.1 ~ 9.0kW	3.0 ~ 3.5HP	9.52 mm (3/8")	15.88 mm (5/8")
Branch to Outdoor (4,5,6HP)		9.52 mm (3/8")	15.88 mm (5/8")
Branch to Branch		9.52 mm (3/8")	15.88 mm (5/8")

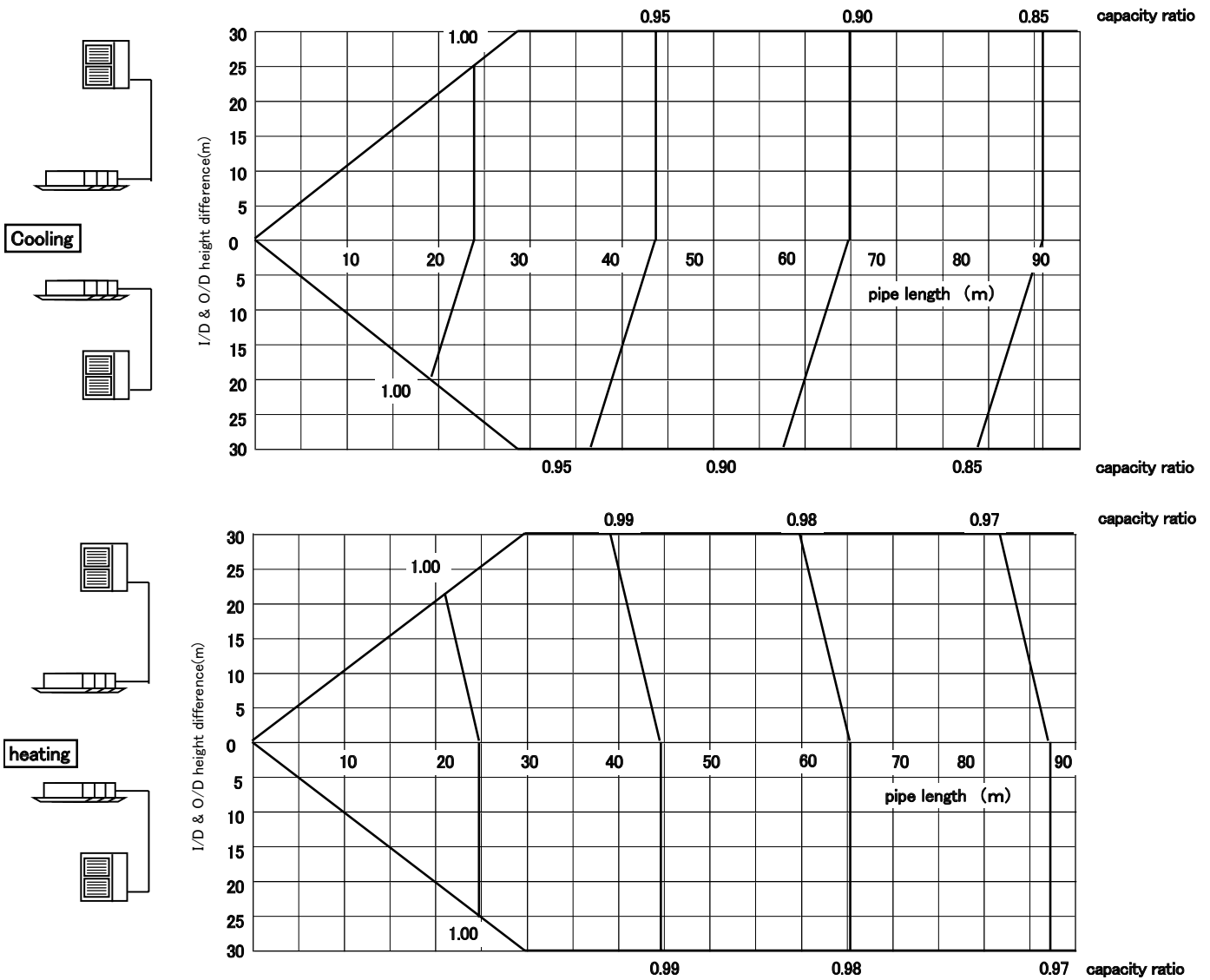
Branch pipe is required to installed at straight horizontal or vertical position. This is to have even refrigerant distribution.

Bending point of connecting pipe is required minimum 30cm from branch pipe. This is to avoid back pressure.



### 11.3 Capacity Correction

Capacity correction according to the connecting pipe length is shown in figure below. The rated capacity (indicated on the name plate) is based on 7.5m connecting pipe and horizontal installation.



## 12. Testing and Commissioning

### 12.1 Precautions Regarding Test Run

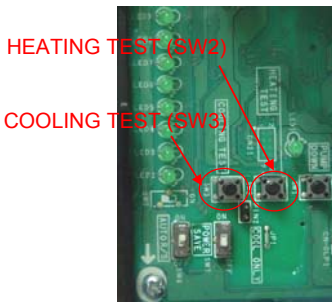
### 12.2 Check before Test Run

	Content check
Power supply cable Indoor/outdoor connection wire Earth wire	<ul style="list-style-type: none"> <li>● Is the wire set up and connected as described in the instructions? Check for any phase sequence.</li> <li>● Are the wire connection's screws loose?</li> <li>● Is the open and close device / leakage breaker installed?</li> <li>● Is the power supply cable's thickness and length appropriately measured as described in the instructions?</li> <li>● Is it earthed (grounded)?</li> <li>● Check that the insulation resistant value is more than 1 MΩ. Use the 500 V mega-testers to measure the insulation. Do not use the mega-testers for any other circuit except for voltage of 220 V to 240 V.</li> <li>● Are the wire connections for the indoor/outdoor units connected as described in the instructions? Are there any looped wires?</li> </ul>
Refrigerant pipe	<ul style="list-style-type: none"> <li>● Is the piping installed as described in the instructions?</li> <li>● Are the pipes sizes appropriate?</li> <li>● Does the pipe's length adhere to the specifications?</li> <li>● Is the branch pipe slant being appropriately done as described in the instructions?</li> <li>● Was vacuum removal sufficiently carried out?</li> <li>● Was the leak tightness test carried out with nitrogen gas? Use the testing pressure of 4.15 MPa.</li> <li>● Is the piping insulation material appropriately installed? Insulation material is necessary for both gas and liquid piping.</li> <li>● Is the 3-way valve for the liquid side and gas side open?</li> </ul>
Filling additional refrigerant	<ul style="list-style-type: none"> <li>● This product is charge-free. No additional refrigerant is necessary.</li> </ul>
Other	<ul style="list-style-type: none"> <li>● Does the indoor unit's connection capacity fall within the range of 50 to 130%?</li> <li>● Check that the refrigerant piping and the related wiring is connected to the same refrigerant system.</li> </ul>

## 12.3 Test Run Procedure

Test operation can be performed from outdoor unit or indoor unit

### (1) Test operation from outdoor unit



Outdoor PCB (main)

1. Press COOLING (SW3) or HEATING TEST (SW2) switch from outdoor PCB (main) for one second to start the test operation.
2. Select cooling operation first for 20 minutes before select heating operation. This is to avoid liquid in condenser to flood the compressor which could cause knocking noise, current increase and undesirable vibration.

### (2) Test run from indoor unit



Wired remote controller

1. Check that COOL or HEAT is displayed on the LCD.
2. Press OFF/ON to start the test operation.
3. **Within one minute after pressing the OFF/ON button**, press TEST RUN button.
4. Then, the pipe temperature (gas pipe) will display on the LCD.
5. Press TEMP/A/C No. UP or DOWN button to display other pipe temperature in a group control system.

# 13. Outdoor Unit Operation Control

## 13.1 System Start Control

### 13.1.1 Outdoor unit operation mode judgment

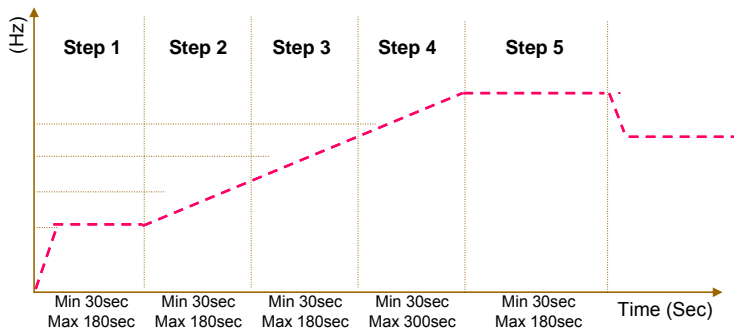
- When remote control, centralized control, or Cool/Heat Selector Switch (CZ-RD1) is turned ON, outdoor unit operation mode is set as shown in table below:

Indoor Unit Operation Condition	Outdoor Unit Operation Condition
Cool or Soft Dry Mode	Cool Mode
Heat Mode	Heat Mode
Fan Mode	Off

- The priority of outdoor unit operation mode is given to the indoor unit that turn ON first, when another operation mode is selected from other indoor unit, the subsequence operation mode will be standby.
- When all indoor units have stopped operation in deice control, outdoor unit continues operation Heat mode, and operation mode stops after completion of deice control.

## 13.2 Compressor Startup control

- During cool start condition where the compressor discharge temperature is less than 15°C, compressor frequency perform a shift up after indoor heat exchanger temperature increase 1°C (15 seconds interval sampling).



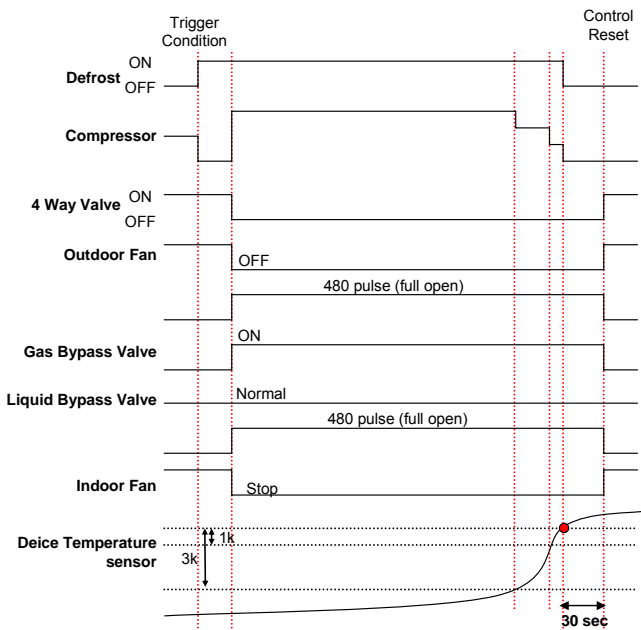
- If not in cool start condition compressor startup will skipped step 2, 3, 4. Gas bypass valve will ON for a short period once compressor startup
  - ON for 60 seconds if compressor discharged temperature is less than 15°C.
  - ON for 30 seconds if compressor discharged temperature is 15°C or more.
- Compressor only can be startup after at least 3 minutes of compressor OFF (Compressor restart delay control).

### 13.3 Deice Control

- This control will operate for 1 cycle after accumulation time for heating (Compressor ON) under low outdoor ambient environment as stated in table below:

Outdoor Air Temperature (°C)	Heat exchanger temperature (°C)	Acc. Time (minutes)
-3 & above	-5 to -7	75
	-7 or below	45
-3 to -10	-10 to -12	100
	-12 or below	85
Below -10	-20 to -22	115
	-22 or below	85

- During deice control, for indoor units in ON condition:
  - Indoor fan OFF
  - Power LED blinking
  - Expansion valve fully opened
- During deice control, for indoor units in OFF condition:
  - Expansion valve fully opened
- Deice control start condition:



- Deice control will end if below condition is fulfilled; whichever comes first:
  - Outdoor Heat Exchanger Discharge temperature achieved:

Outdoor Ambient Temperature (°C)	Deice Temperature sensor (°C)
-3 & above	11 or more
-3 to -10	5 or more
Below -10	3 or more

- 10 minutes has elapsed

### 13.4 Crank Case Heater Control

- This control is used to prevent condensation of refrigerant inside compressor and keep the temperature of compressor oil at the suitable level.
- Crank case heater will ON if below conditions are all fulfilled:
  - Compressor is OFF.
  - Outdoor ambient temperature is less than 15°C.
  - Compressor discharge temperature is less than 15°C.
- Crank case heater will OFF if either of conditions below is fulfilled:
  - Compressor is ON.
  - Outdoor ambient temperature is more than 17°C.
  - Compressor discharge temperature is more than 17°C.



## 14. Outdoor Unit Protection Control

### 14.1 Cooling Oil Return Control

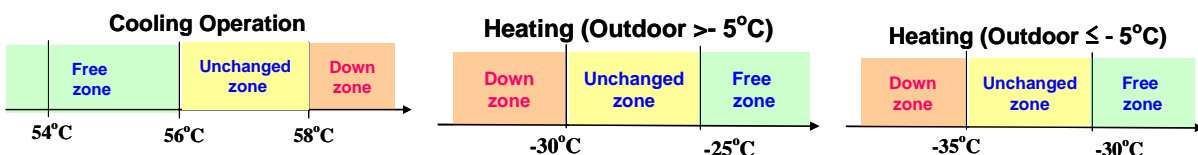
- Oil Return control will operate 1 cycle for every 3 hours of compressor accumulation run times (normal cooling operation mode continuously).
- Cooling oil return control will take 5 minutes to complete.
- During the control, Outdoor unit is fixed in cooling refrigerant cycle operation with fixed compressor frequency and all indoor's expansion valves are fixed open (even the indoor is in OFF operation or thermo OFF).
- Compressor accumulation run time counter will be reset when below conditions happened :
  - Completion of cooling oil return control.
  - System operation mode changed.

### 14.2 Heating Oil Return Control

- This control will operate 1 cycle if either 1 of below conditions fulfilled:
  - Every 3 hours of compressor accumulation run times (normal heating operation mode continuously).
  - Max Heat Exchanger Temperature (thermo ON) – Min Heat Exchanger Temperature (thermo OFF) > 15°C for 3 minutes continuously.
- During the control, Outdoor unit is continued in heating refrigerant cycle operation and expansion valve for indoor units (thermo OFF / stand-by) will be fully opened (for one minute) one at a time sequentially started from indoor unit with lowest Heat Exchanger Temperature (thermo OFF).
- Compressor accumulation run time counter will be reset when below conditions happened :
  - Completion of heating oil return control.
  - All indoor units thermo ON at 3rd hour of accumulation.
  - System operation mode changed.
  - Deice control activated.

### 14.3 Overload Control

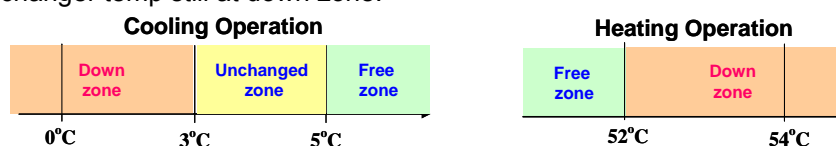
- Overload control will operate if either 1 of below conditions happened :
  - During Cool Mode
    - Outdoor heat exchanger temp > +58°C for 10 seconds.
  - During Heat Mode
    - Outdoor heat exchanger temp < -30°C when outdoor ambient > -5°C
    - Outdoor heat exchanger temp < -35°C when outdoor ambient -5°C
- Every interval of 30sec, compressor frequency will reduce 10% if the outdoor heat exchanger temperature still at down zone.



- The compressor frequency will only reduce max 3 times OR to minimum frequency.
- For Heat operation, If compressor already reduced to minimum level but temp still at down zone, gas bypass valve will opens.

### 14.4 Low Load Control

- Low Load control will operate if either 1 of below conditions happened :
  - Indoor heat exchanger temp < 0°C during cooling operation.
  - Indoor heat exchanger temp > 54°C for 5 seconds during heating operation.
- Every interval (15 seconds for cool mode; 30 seconds for heat mode), compressor frequency will reduce 10% if the indoor heat exchanger temp still at down zone.



- The compressor frequency will only reduce to minimum frequency.
- If compressor already reduced to minimum level but temp still at down zone, gas bypass valve will opens.

## 14.5 Compressor Discharge Temperature Control

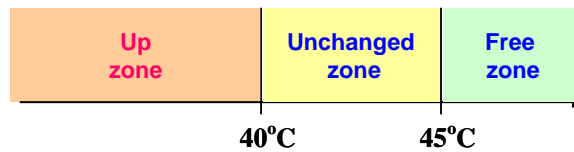
- This control will operate if compressor discharge temperature is detected hot at alert level.
  - If Compressor Discharge Temperature 100°C, liquid bypass valve will open.
  - If Compressor Discharge Temp 105°C, compressor frequency will reduce 10% if the compressor discharge temp still at down zone.



- The compressor frequency will only reduce max 2 times with 3 minutes interval OR to minimum frequency.
- If compressor already reduced to minimum level but temp still at down zone, gas bypass valve will opens.

## 14.6 Condenser Temperature Control

- During Heating operation only, this control will start if below conditions are fulfilled:
  - Total capacity of thermostat ON indoor units maintain for 10 minutes
  - None of the indoor units' heat exchanger > 40°C
- Every interval of 60 sec, compressor frequency will increase 20% if the indoor heat exchanger temperature still in up zone.



- The compressor frequency will only increase maximum 5 times OR up to maximum frequency
- This control will be ignored if any of the following control activated:
  - Deice
  - Low Load
  - Overload
  - Compressor Discharge Temperature Control
  - Total Current Protection
  - Night Time Low Noise Control

## 14.7 Compressor Restart Delay Control

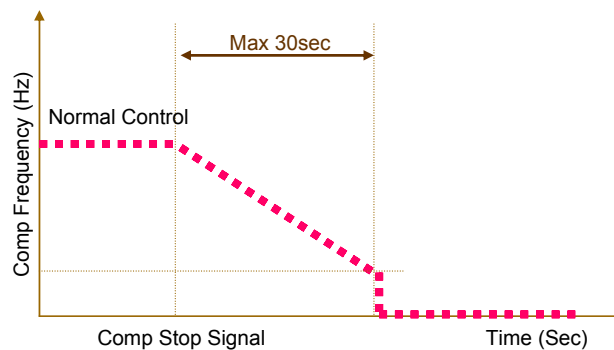
- Compressor only can be startup after at least 3 minutes of compressor OFF.
- During this control, compressor cannot restart and gas bypass valve is ON.

## 14.8 Outdoor Residual Heat Removal Control

- When compressor OFF, outdoor fan operate for 1 minute to remove the remaining heat.

## 14.9 Compressor Stops Control

- This control ensures compressor is stopped within 30 seconds during normal operation.
- If compressor stop is due to protection control, compressor will stop immediately.



- Outdoor fan motor will continue to run at maximum speed for 60 seconds after compressor OFF signal is received.
- Gas bypass valve will ON for 3 minutes once received compressor OFF signal.

#### **14.10 Cooling Low Outdoor Ambient Temperature Protection Control**

- When outdoor is operating in Cool Mode if outdoor ambient temperature is below -15°C and compressor is operating for 15 minutes, compressor will stop.
- When outdoor ambient temperature is less than -10°C, the system will restart.

#### **14.11 Heating High Outdoor Ambient Temperature Protection Control**

- When outdoor is operating in Heat mode, if outdoor ambient temperature is more than 35°C and compressor is operating for 15 minutes, compressor will stop.
- When outdoor ambient temperature is less than 27°C, the system will restart.

## 15. Indoor Unit Operation Control

### 15.1 Operation Mode Priority Control

- Operation modes available for remote control selection are: AUTO, COOL, DRY, HEAT and FAN
- Types of operation mode which cannot be performed simultaneously at different indoor unit will be in standby condition.

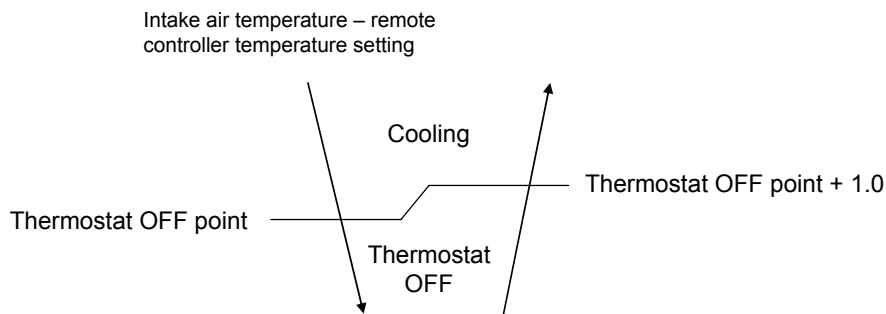
Room A		Room B		Unit B Operation Mode			
				Cool	Dry	Heat	Fan
Unit A Operation Mode	Cool	Cool	Cool	Standby	Standby	Fan	Fan
	Dry	Dry	Dry	Standby	Standby	Fan	Fan
	Heat	Heat	Heat	Heat	Heat	Standby	Standby
	Fan	Fan	Fan	Standby	Standby	Fan	Fan

### 15.2 Cooling Operation

#### 15.2.1 Thermostat Control

- Thermostat OFF point ( $\Delta D$ ) is determined using Indoor Intake Temperature - Remote Control Setting Temperature. Default thermostat off point is shown in table below:

Model		Wall Mounted (KA1-series)	60 x 60 Cassette (YA1-series)	95 x 95 Cassette (UA1-series)	Slim Hide-away (NA1-series)	Low Static Hide-away (MA1-series)	
						4.5 / 5.6 kW	6.3 / 7.1 / 9.0 kW
Thermostat OFF Point ( $\Delta D$ )	Indoor fan speed $\geq$ Me	-2.0	-2.0	-1.5	-2.0	-1.0	-2.0
	Indoor fan speed $<$ Me	-2.0	-2.5	-2.0	-2.0	-1.0	-2.0



- Thermostat OFF continues for 3 minutes, if the Intake Air Temperature - Internal Setting Temperature  $>$  Thermostat OFF point + 1.0°C

#### 15.2.2 Expansion Valve Control

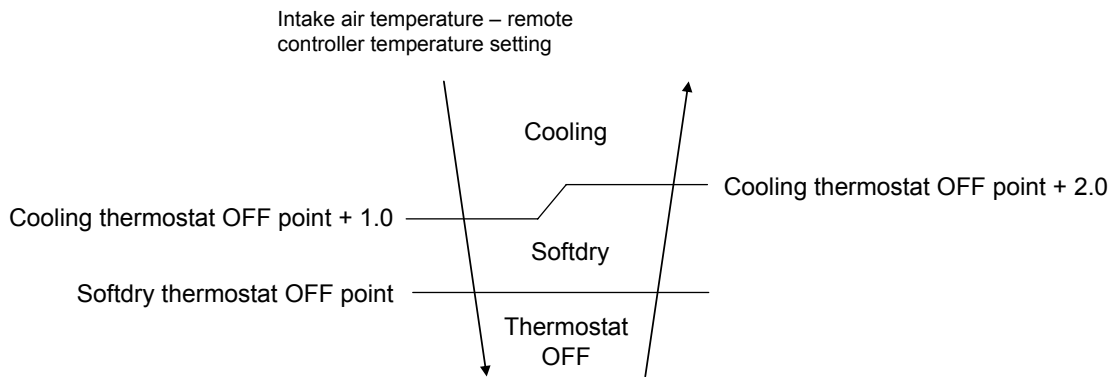
- During Thermostat OFF signal received, the indoor unit expansion valve is closed fully.

## 15.3 Soft Dry Operation

### 15.3.1 Thermostat Control

- Thermostat off point ( $\Delta D$ ) is determined using Indoor Intake Temperature - Remote Control Setting Temperature. Default thermostat off point is shown in table below:

Model	Wall Mounted (KA1-series)	60 x 60 Cassette (YA1-series)	95 x 95 Cassette (UA1-series)	Slim Hide-away (NA1-series)	Low Static Hide-away (MA1-series)	
					4.5 / 5.6 kW	6.3 / 7.1 / 9.0 kW
Thermostat OFF Point ( $\Delta D$ )	-3.0	-3.0	-2.5	-3.0	-2.0	-3.0



- Thermostat OFF continues for 3 minutes, if the Intake Air Temperature - Internal Setting Temperature > Thermostat OFF point

### 15.3.2 Expansion Valve Control

- During Thermostat OFF signal received, the indoor unit expansion valve is closed fully.

## 15.4 Heating Operation

### 15.4.1 Thermostat Control

- Thermostat off point ( $\Delta D$ ) is determined using Indoor Intake Temperature - Remote Control Setting Temperature. Default thermostat off point is shown in table below:

Model		Wall Mounted (KA1-series)	60 x 60 Cassette (YA1-series)	95 x 95 Cassette (UA1-series)	Slim Hide-away (NA1-series)	Low Static Hide-away (MA1-series)	
						4.5 / 5.6 kW	6.3 / 7.1 / 9.0 kW
Thermostat OFF Point ( $\Delta D$ )	Indoor fan speed $\geq$ Me	2.0	3.5	-1.5	2.5	2.5	2.5
	Indoor fan speed $<$ Me	2.0	4.0	-2.0	2.5	2.5	2.5

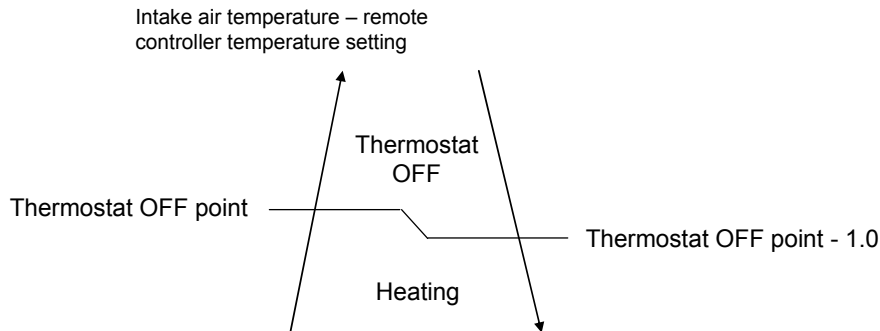


Figure 15: Heating thermostat OFF characteristic

- Thermostat OFF continues for 3 minutes, if the Intake Air Temperature - Internal Setting Temperature  $>$  Thermostat OFF point - 1.0°C

### 15.4.2 Expansion Valve Control

- During Thermostat OFF, the indoor unit expansion valve operation is controlled by the system.

## 15.5 Auto Operation

- Operation mode is determined by indoor intake temperature and remote control setting temperature.
  - Indoor intake temperature  $<$  remote control setting temperature, Heat mode is selected.
  - Indoor intake temperature  $\geq$  remote control setting temperature, Cool mode is selected.
- Indoor intake temperature (even for the indoor unit is standing by for different operation mode) is judged by
  - Operate indoor fan at Lo- for 30 seconds, for indoor unit with DC fan motor.
  - Operate indoor fan at Lo for 30 seconds, for indoor unit with AC fan motor.
- Immediate judgment to Heat mode if
  - Indoor intake temperature  $<$  16°C
  - Deice operation
- The operation mode judgment repeats every 3 hours.
- For second judgment onwards
  - Indoor intake temperature  $\geq$  remote control setting temperature + 3°C change from Heat Mode to Cool Mode.
  - Indoor intake temperature  $<$  remote control setting temperature - 3°C, change from Cool Mode to Heat Mode.

## 15.6 Indoor Fan Motor Operation

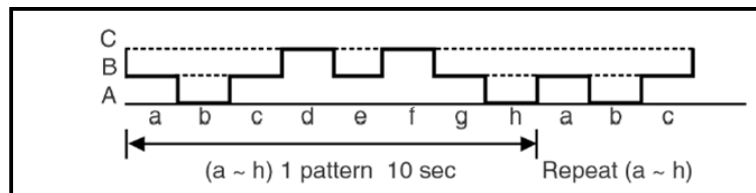
- Type of indoor fan motor are shown in below table:

Wall Mounted Type (KA1E5 Series)	DC Fan Motor
60 x 60 Cassette Type (MA1E5 Series)	
95 x 95 Cassette Type (NA1E5 Series)	AC Fan Motor
Slim Hide-away Type (NA1E5 Series)	
Low Pressure Hide-away Type (MA1E5 Series)	

- During Cool / Fan Mode,
  - DC fan motor Manual fan speed is based on remote control setting.

Remote Control Setting	-	High	-	Medium	-	Low	-	-	-
Indoor fan tap	SHi	Hi	Me+	Me	Me-	Lo	Lo-	SLo	SSLo

- DC fan motor Auto fan speed is specified to repetition of 8 patterns (1 pattern: 10 seconds) and follows odor cut control.



- AC fan motor Manual fan speed is based on remote control setting.

Mode	Hi	Me	Lo
Cool	•	•	•
Fan	•	•	•

- AC fan motor Auto fan speed is determined in table below and follows odor cut control.

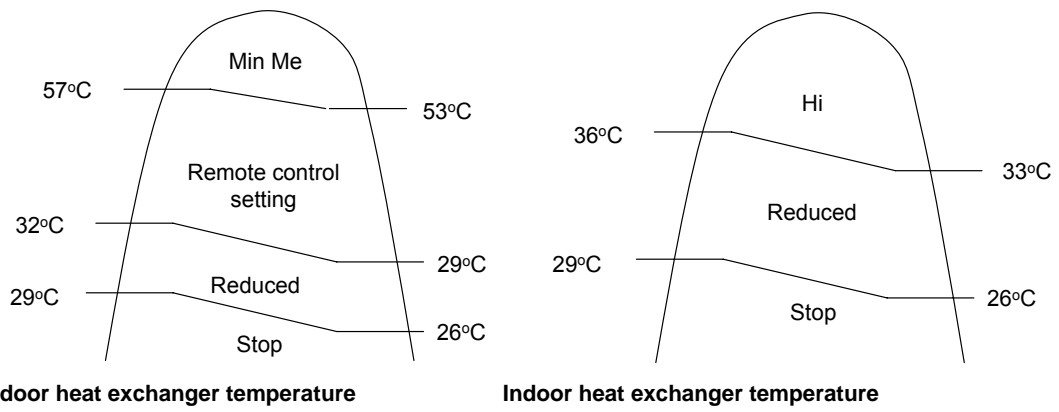
Mode	Hi	Me	Lo	Stop
Cool	•	•	•	
Fan		•		

- During Soft Dry Mode
  - DC fan motor Manual and Auto indoor fan speed is fixed at SLo regardless of remote control fan setting.
  - AC fan motor Manual and Auto indoor fan speed is fixed at Lo regardless of remote control fan setting.

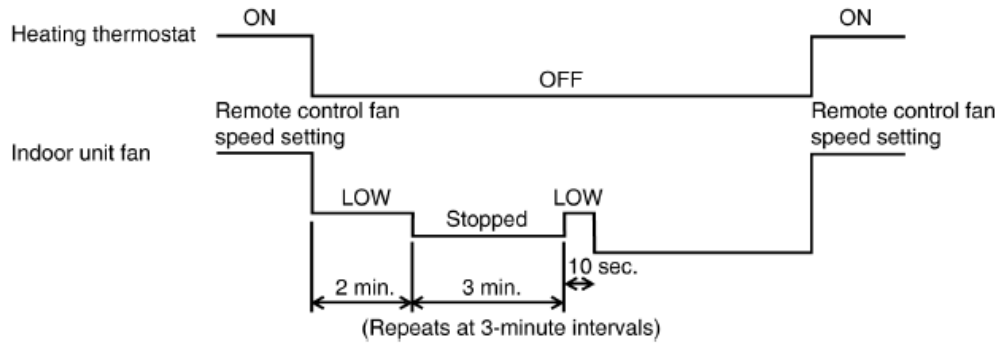




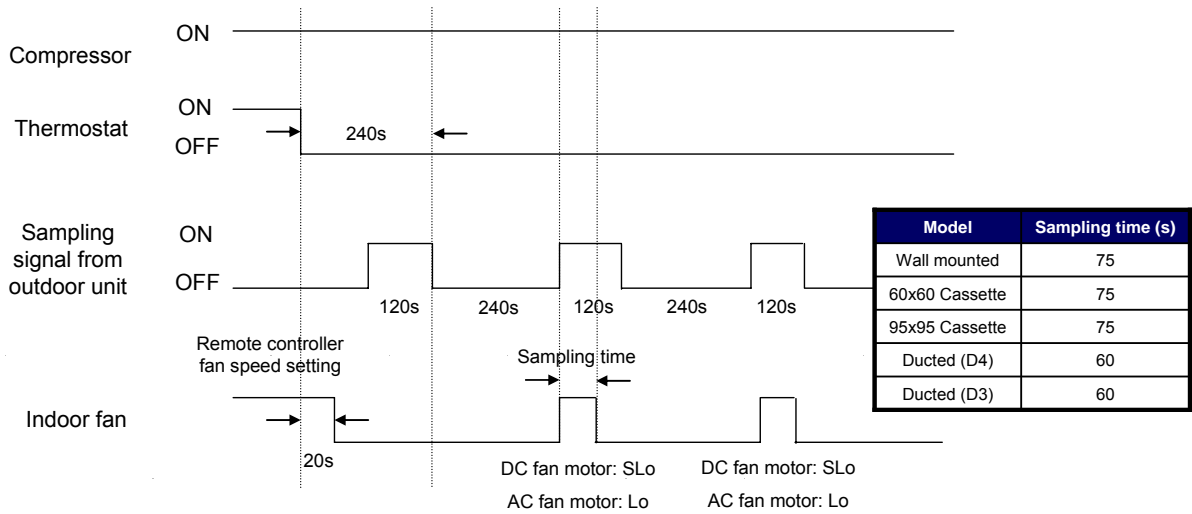
- AC fan motor Manual fan speed and Auto fan speed depends on indoor heat exchanger temperature.



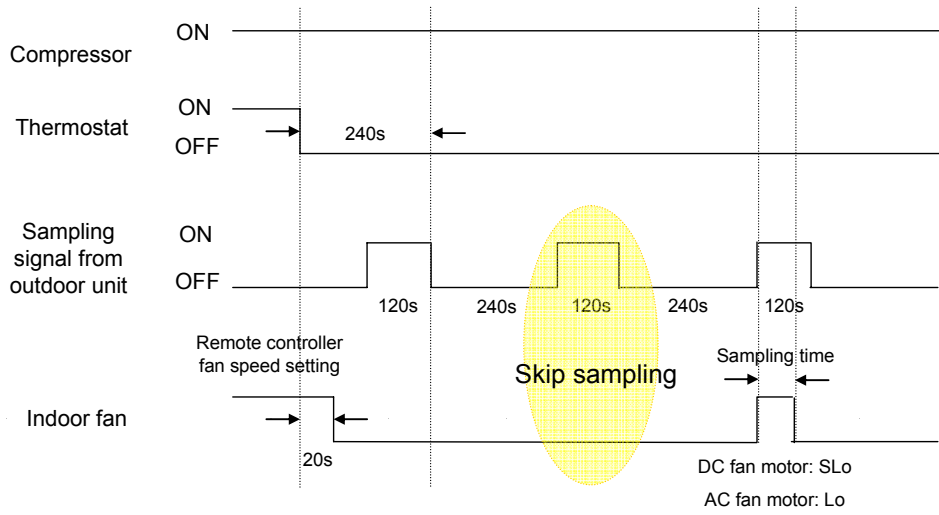
- AC Fan motor control during Thermostat OFF and Compressor OFF.



- Temperature sampling during thermostat OFF, compressor ON and temperature between indoor intake temperature and setting temperature is below 30°C.

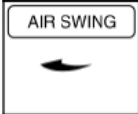





- Temperature sampling during thermostat OFF, compressor ON and temperature between indoor intake temperature and setting temperature is above 30°C.

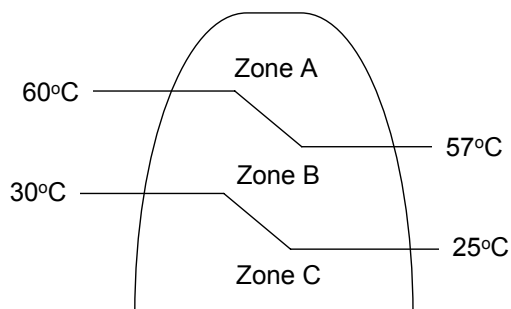


## 15.7 Airflow Direction

### 15.7.1 Wall Mounted Type (KA1E5 Series)


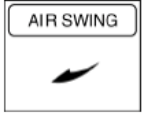


Air swing direction setting		Manual				Automatic	
Mode	Condition						
		Step 1	Step 2	Step 3	Step 4		
Heat	Normal	20°	32°	50°	68°		
	Indoor heat exchanger temperature	Zone A					56°
		Zone B					56°
		Zone C					20°
	Deice		144°				
	Hot start		20°				
	Heat removal control		144°				
Thermostat OFF		20°	32°	50°	68°	20°	
Cool/Fan	Normal	20°	26°	32°	45°	20° ~ 45°	
	Dew control	26°	26°	32°	45°	26° ~ 45°	
	Thermostat OFF	20°	26°	32°	45°	20° ~ 45°	
Dry	Normal	20°	26°	32°	45°	20° ~ 45°	
	Dew control	26°	26°	32°	45°	26° ~ 45°	
	Thermostat OFF	20°	26°	32°	45°	20° ~ 45°	
Automatic mode judgment		20°	26°	32°	45°	20°	
Operation stop		145°					


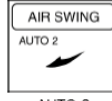

- Heating automatic air swing control according indoor heat exchanger temperature



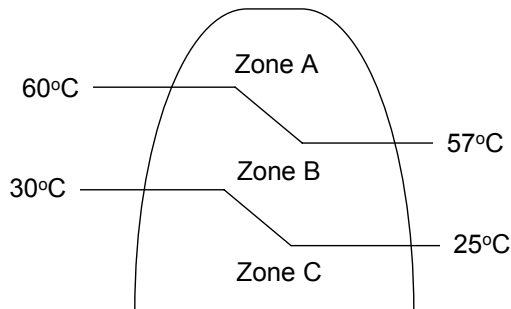
Indoor heat exchanger temperature

## 15.7.2 60 x 60 Cassette (YA1E5 Series)

Air swing direction setting		Manual			
Mode	Condition				
		Step 1	Step 2	Step 3	Step 4
Heat	Normal	20°	37°	53°	70°
	Deice	10°			
	Hot start	10°			
	Heat removal control	20°			
	Thermostat OFF	20°			
Cool/Fan	Normal	20°	37°	53°	70°
	Dew control	37°	37°	45°	45°
	Thermostat OFF	20°	37°	53°	70°
Dry	Normal	37°			
	Dew control	37°	37°	45°	45°
	Thermostat OFF	20°	37°	53°	70°
Automatic mode judgment		20°	37°	53°	70°
Operation stop		0°			


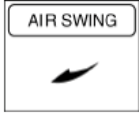
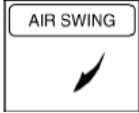

Air swing direction setting		Automatic			
Mode	Condition				
		AUTO 1	AUTO 2	AUTO 3	
Heat	Indoor heat exchanger temperature	Zone A	70°	70°	70°
		Zone B	20° ~ 70°	20° ~ 53°	42° ~ 70°
		Zone C	20°	20°	20°
	Deice		10°		
	Hot start		10°		
	Heat removal control		20°		
	Thermostat OFF		20°		
Cool/Fan	Normal	20° ~ 70°	20° ~ 53°	42° ~ 70°	
	Dew control	34° ~ 45°	37° ~ 45°	42° ~ 45°	
	Thermostat OFF	20° ~ 70°	20° ~ 53°	42° ~ 70°	
Dry	Normal	37°			
	Dew control	37° ~ 45°	37° ~ 45°	42° ~ 45°	
	Thermostat OFF	20° ~ 70°	20° ~ 53°	42° ~ 70°	
Automatic mode judgment		20°	20°	20°	
Operation stop		0°			




- Heating automatic air swing control according indoor unit heat exchanger temperature.



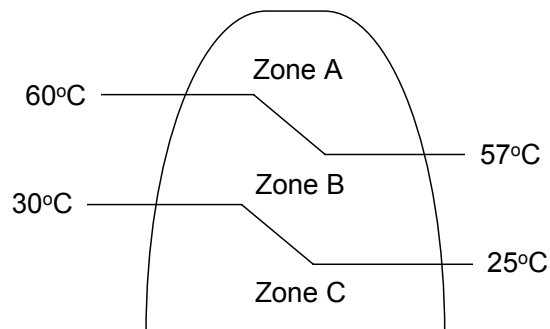
Indoor heat exchanger temperature

### 15.7.3 95 x 95 Cassette (UA1E5 Series)

Air swing direction setting		Manual			
Mode	Condition				
		Step 1	Step 2	Step 3	Step 4
Heat	Normal	20°	35°	50°	70°
	Deice	10°			
	Hot start	10°			
	Heat removal control	20°			
	Thermostat OFF	20°			
Cool/Fan	Normal	20°	35°	50°	70°
	Dew control	35°			
	Thermostat OFF	20°	35°	50°	70°
Dry	Normal	35°			
	Dew control	35°			
	Thermostat OFF	20°	35°	50°	70°
Automatic mode judgment		20°	35°	50°	70°
Operation stop		0°			

Air swing direction setting			Automatic		
Mode	Condition				
			AUTO 1	AUTO 2	AUTO 3
Heat	Indoor heat exchanger temperature	Zone A	70°	70°	70°
		Zone B	20° ~ 70°	20° ~ 50°	40° ~ 70°
		Zone C	20°	20°	20°
	Deice		10°		
	Hot start		10°		
	Heat removal control		20°		
	Thermostat OFF		20°		
Cool/Fan	Normal		20° ~ 70°	20° ~ 50°	40° ~ 70°
	Dew control		35°		
	Thermostat OFF		20° ~ 70°	20° ~ 50°	40° ~ 70°
Dry	Normal		30°		
	Dew control		35°		
	Thermostat OFF		20° ~ 70°	20° ~ 50°	40° ~ 70°
Automatic mode judgment			20°	20°	20°
Operation stop			0°		

- Heating automatic air swing control according indoor unit heat exchanger temperature.



Indoor heat exchanger temperature

## 15.8 Odor Cut control

- This control starts when Cool / Soft Dry Mode ON and indoor fan speed is Auto.
- The Auto fan pattern during this control.

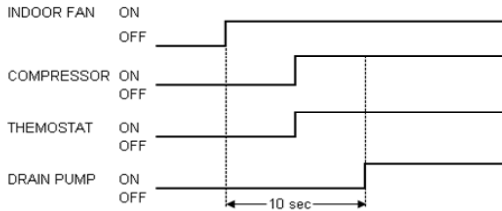
Thermostat & Compressor		ON	40 sec	50 sec	-	20 sec	120 sec	20 sec	40 sec	50 sec	-
		OFF									
Indoor fan											
DC fan motor	Cool	OFF	SSLo	Auto	SSLo	OFF	SSLo	OFF	SSLo	Auto	
	Softdry	OFF	SSLo	SLo	SSLo	OFF	SSLo	OFF	SSLo	SLo	
AC fan motor	Cool	OFF	Lo	Hi	Lo	OFF	Lo	OFF	Lo	Me	
	Softdry	OFF	Lo	Lo	Lo	OFF	Lo	OFF	Lo	Lo	

- During freeze prevention control, this control is not triggered.

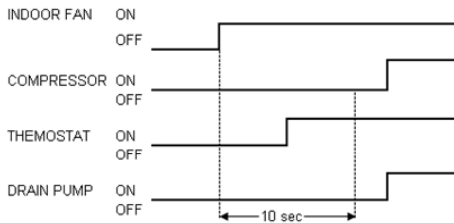
## 15.9 Drain Pump Control

- This control applicable for 95 x 95 Cassette and 60 x 60 Cassette indoor units only.
- During the unit is operating Cool / Soft Dry Mode

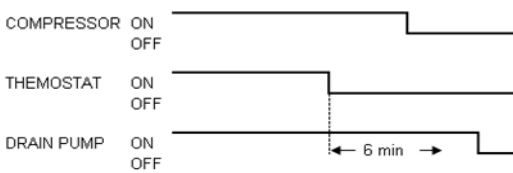
### (A) When compressor starts within 10 seconds



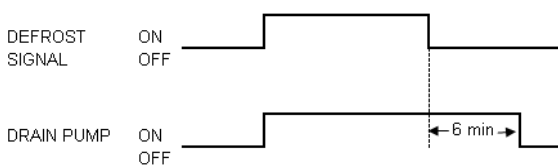
### (B) When compressor starts after 10 seconds



### (C) When thermostat OFF



- During the unit in deice operation



## 15.10 Filter Check Control

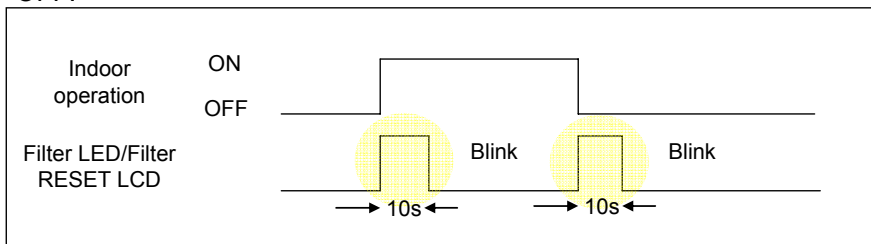
- This control detects the contamination of filter from the accumulated operation time of indoor unit

Model	Filter check time (hour)
Wall mounted	360
Except above	1000

- Accumulated time will be multiplied by a correction factor

Fan Number Group	Correction factor (%)
Below Lo	50
Below Me	75
Except above	100

- To inform user to clean the filter, FILTER RESET display on the wired remote control LCD and FILTER LED on indoor unit remote control receiver / indicator will blink for 10 seconds each time operation ON and operation OFF.



## 16. Indoor Unit Protection Control

Protection controls applicable for Cool / Soft Dry Mode

### 16.1 Odor Remove control

### 16.2 Freeze Prevention control

- This control starts when all below condition are satisfied
  - Indoor thermostat ON and compressor ON for 4 minutes after startup.
  - Indoor heat exchanger temperature less than 4°C.
- When received freeze prevention signal from indoor unit, the compressor frequency changes according to indoor heat exchanger temperature.
- When freeze condition continuously for 6 minutes, indoor unit request thermostat OFF and capability supplies to targeted indoor unit stops.
- This control stops when indoor heat exchanger temperature > 6°C.

### 16.3 Dew Prevention control

- This control starts when all conditions below are satisfied
  - Indoor thermostat ON and compressor ON
  - Outdoor temperature < 30°C
  - Indoor intake temperature > 24°C
  - Indoor fan speed is ≤ Lo or AUTO
- Indoor fan speed changed from SLo to Lo and air swing angle follows dew prevention angle.
- When received dew prevention signal from indoor unit, compressor frequency reduces according to indoor heat exchanger temperature.
- This control stops when any conditions below is satisfied
  - Thermostat OFF or compressor OFF
  - Remote control fan speed & temperature setting changed
  - Outdoor temperature > 30°C
  - Indoor intake temperature < 24°C
  - Indoor heat exchanger temperature > 17°C

### 16.4 Mist Prevention Control

- This control starts when all conditions below are satisfied
  - Indoor thermostat ON and Compressor ON
  - Indoor fan ≤ Lo
  - Indoor heat exchanger temperature < 13°C
- When received mist prevention signal from indoor unit, the compressor frequency reduces according to indoor heat exchanger temperature.
- Indoor fan speed changes from SLo to Lo.
- This control stops when any conditions below is satisfied
  - Thermostat OFF or compressor OFF
  - Remote control fan speed & temperature setting changed
  - Indoor heat exchanger temperature > 14°C



## Protection controls applicable for Heat Mode.

### **16.5 Hot Start Control**

- This control starts when all conditions below are satisfied
  - Compressor ON after completion of deice operation.
- During this control
  - PRE HEAT will display on wired remote control LCD.
  - Indoor unit POWER LED blinks.
  - Indoor fan stops.
- This control stops when any conditions below is satisfied
  - Indoor heat exchanger temperature > 25°C
  - 4 minutes has passed after the start of heating operation

### **16.6 Indoor Residual Heat Removal Control**

- This control starts when all conditions below are satisfied
  - Compressor ON
  - Indoor heat exchanger temperature is more than 45°C
  - Operation mode changed from Heat to Fan, Cool, Soft Dry or OFF.
  - Indoor Thermostat ON before Heat mode changes.
- During this control
  - DC motor fan speed is fixed at Lo-, and airflow direction is fixed.
  - AC motor fan speed is fixed at Lo, and airflow direction is fixed.
  - Indoor unit POWER LED is OFF
- This control stops when any conditions below is satisfied
  - 30 seconds has passed after the start of residual heat removal control
  - Compressor OFF

## Protection controls applicable for all operation modes.

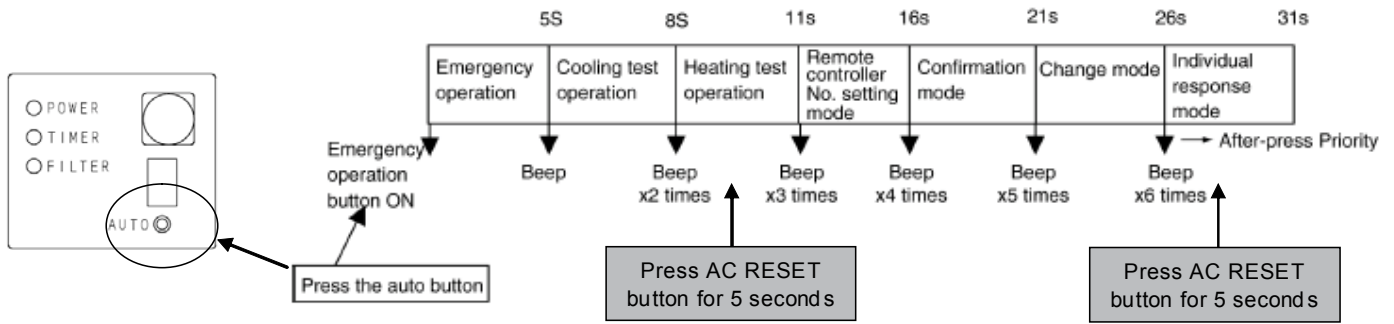
### **16.7 Auto Restart Control**

- This control is available will auto restart the operation when electrical power resume from interruption.
- When electrical power resume, the outdoor unit will send an auto restart signal to all connected indoor units.
- Indoor Units that have Outdoor Address setting same with the Outdoor Unit will memorize the signal in EEPROM.
- This control could be enable/disable using Auto Restart Switch (AUTO R/S) at outdoor main PCB.

# 17. Servicing Mode

## 17.1 Emergency Operation

- Emergency operation can be performed in the event of misplaced of wireless remote controller.



### Emergency Operation

- Press and hold the receptor's AUTO switch for less than 5s.

### Force Cooling Mode

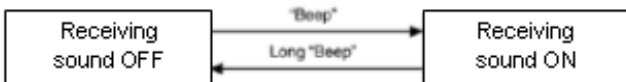
- Press and hold the receptor's AUTO switch for more than 5s till one beep is heard.

### Force Heating Mode

- Press and hold the receptor's AUTO switch for more than 8s till two beeps is heard.
- Press and hold AC RESET button on the wireless remote controller for more than 5s to enter heating mode.

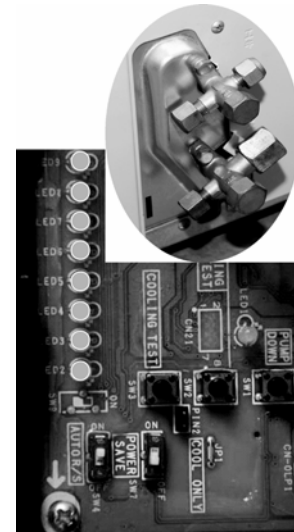
### Individual Response Mode (Receiving Sound ON/OFF Setting Mode)

- Press and hold the receptor's AUTO switch for more than 26s till six beeps is heard.
- Press and hold AC RESET button on the wireless remote controller for more than 5s to enter individual response mode.
- Then, press AUTO switch to confirm ON/OFF receiving sound:



## 17.2 Pump down

1. Standby Electrical Power without switch on Operation.
2. Press (1sec) Pump Down Switch at outdoor PCB.
3. Compressor start pump down. (Operate max 10min).
4. Close Liquid Valve.
5. Wait for refrigerant collection until low pressure switch triggered, then countdown timer (40sec) started with LED indication.
6. Close Gas Valve.
7. Compressor stop when 40sec countdown timer completed.
8. LEDs will be OFF in sequence to indicate the 40sec timer countdown,

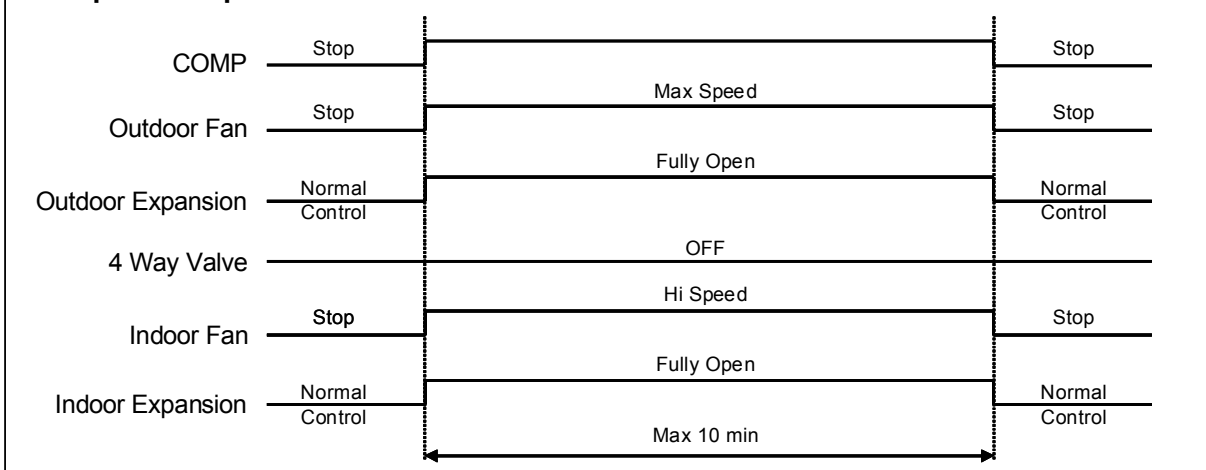


Compressor Stopped

**LED OFF in sequence as indication of 40sec countdown**

Timer Count	LED2	LED3	LED4	LED5	LED6	LED7	LED8	LED9
0 ~ 4sec	ON	ON	ON	ON	ON	ON	ON	ON
5 ~ 9sec	ON	ON	ON	ON	ON	ON	ON	OFF
10 ~ 14sec	ON	ON	ON	ON	ON	ON	OFF	OFF
15 ~ 19sec	ON	ON	ON	ON	ON	OFF	OFF	OFF
20 ~ 24sec	ON	ON	ON	ON	OFF	OFF	OFF	OFF
25 ~ 29sec	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
30 ~ 34sec	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
35 ~ 39sec	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
40sec	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

### Pump down Operation Control



**During Pump down Operation, below protection controls will be ignore or cancel :**

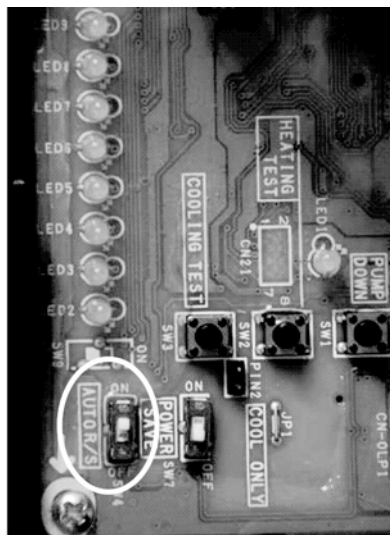
1. Cooling low load control.
2. Dew prevention, freezing prevention control.
3. Gas by pass control at cooling low load.
4. Low pressure protection control.
5. Discharge temperature sensor abnormal.
6. Indoor unit freezing abnormal.

### 17.3 Auto Restart Control

Auto Restart Switch (AUTO R/S) at outdoor main PCB is a setting to enable/disable AC system for auto restart back the operation when electrical power resume back from interruption.

When electrical power on, the outdoor unit will send a signal about the auto restart switch setting to all connected indoor units.

Indoor Units that having Outdoor Address setting same with the Outdoor Unit will memorized the signal to EEPROM.



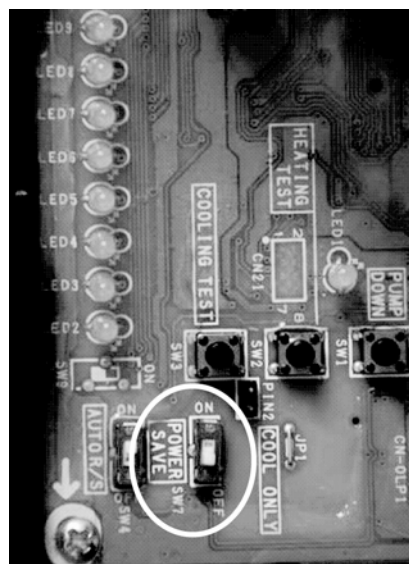
### 17.4 Power Save Control

Power Save Setting Switch is located at outdoor main PCB.

With Power Save ON, the maximum electrical current pulling from the power source is limited to ~ 85%.

Usually, it used when a 25A breaker is installed at power source line.

If power save function is activated, the maximum performance capacity also dropped to lower level.



## 17.5 Wired Remote Control Local Setting Mode

- During unit off, press the TEST RUN button for 5 seconds to enter LOCAL MODE.
- Press Temperature Up / Down button to select Mode No.
- Press Timer SELECT button to enter setting mode.
- Press Timer Up / Down button to select setting value.
- Press Timer SET button to confirm the selection.
- Press TEST RUN button to exit LOCAL SETTING MODE. If no operation is performed for 30 seconds, exit LOCAL SETTING MODE.

Mode No.	Items	Setting value		Individual Setting Note 1)	Setting value memory terminal Note 2)
00	Centralized control address	000 – 200: Address 0 – Address 200		○	I
01	Fan speed up	000: OFF	001: ON		I
02	Nighttime low noise	000: Execute Reset (Level 0)			R
		001 – 003: Level 1 – Level 3			
	Nighttime low noise ON time	0:00 23.50 (10 minutes interval)			
	Nighttime low noise OFF time	0:00 23.50 (10 minutes interval)			
03	Thermostat OFF indoor fan control	000: Default control		○	I
		001: 10 seconds fan sampling operation			
		002: Fixed fan speed operation			
04	Thermostat OFF point adjustment	000: default Thermostat OFF point ( $\Delta D$ )		○	I
		001: Cool = $\Delta D+2^{\circ}\text{C}$ , Heat = $\Delta D-2^{\circ}\text{C}$			
		002: Cool = $\Delta D+4^{\circ}\text{C}$ , Heat = $\Delta D-4^{\circ}\text{C}$			
		003: Cool = $\Delta D-2^{\circ}\text{C}$ , Heat = $\Delta D+2^{\circ}\text{C}$			
		004: Cool = $\Delta D-4^{\circ}\text{C}$ , Heat = $\Delta D+4^{\circ}\text{C}$			
06	Outdoor unit address	000: Clear address		○	I
		001 – 199: Address 1 - Address 199			
10	Group address reset	000: Non-processed	001: Execute Reset		Note 3)
11	Thermistor selection	000: Non-processed	001: Remote control		R
12	Ventilation unit control	000: OFF	001: ON (no-interlocking)		R
		002: ON (OFF coupling)	003: ON (ON/OFF coupling)		

Note 1) Mark ○ in the column of the “Individual setting” shows a setting item individually made for each connected indoor unit.

Note 2) “R” represents remote control and I “indoor unit”.

Note 3) Start the setting from the setting value 000.

### 17.5.1 Fan Speed Up

- This control can increase the fan speed of indoor unit with DC motor.
- When enable, the HIGH fan speed setting at Remote Control, indoor unit fan tap changed from Hi to SHi.

## 17.5.2 Night Time Low Noise

- This control turns down outdoor unit operation noise by limiting compressor and outdoor fan speed.

Setting Value	Description	Remark
000	Not set	Normal Noise Level
001	Level 1	Low Noise Level
002	Level 2	Lower Noise Level
003	Level 3	Lowest Noise Level

- Ensure current time is set correctly at remote control.
- After enable Night Time Low Noise at Level 1, Level 2 or Level 3, follow procedure below to set ON and OFF timer:
  - Press Timer MODE button, remote control LCD will display "ON Timer"
  - Press Timer Up / Down button to set the ON time for Night Time Low Noise
  - Press Timer SELECT button, remote control LCD will display "OFF Timer"
  - Press Timer Up / Down button to set the OFF time for Night Time Low Noise.
  - Confirm the Night Time Low Noise ON and OFF timer by pressing Timer SET button.
  - Press TEST RUN button to exit LOCAL SETTING MODE.

## 17.5.3 Thermostat OFF Indoor Fan Control

- During thermostat OFF and compressor OFF, indoor fan control can be alter to suit different application requirement.

Setting Value	Description	Operation details
000	Default control	Fan control by EEPROM
001	10 seconds fan sampling	Fan OFF for 3 minutes, then ON for 10 seconds.
002	Fixed fan speed	AC Fan Motor Speed: Lo DC Fan Motor Speed: Lo-

## 17.5.4 Thermostat OFF Point Adjustment

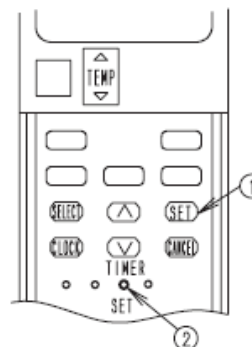
- The default thermostat OFF point might not be accurate depends on indoor unit installation condition, thermostat OFF point adjustment is could be done.

## 17.5.5 Thermistor Selection

- The default Indoor intake temperature sensor is set at indoor unit (000), the indoor intake temperature might not be accurate depends on indoor unit installation condition; indoor intake temperature sensor could be set at remote control.

## 17.6 Wireless Remote Control Local Setting Mode

- Press the SET button (2) to enter Local Setting Mode
- Press Temperature Up / Down button to select Mode No.
- Press Timer Up / Down button to select setting value.
- Press Timer SET button (1) to confirm the selection.
- Setting display for 4 seconds, exits from LOCAL SETTING MODE. If no operation is performed for 30 seconds, exit LOCAL SETTING MODE.



Mode No.	Items	Setting value		Individual Setting Note 1)
00	Centralized control address	000 – 200: Address 0 – Address 200		○
01	Fan speed up	000: OFF	001: ON	
02	Nighttime low noise	000: Execute Reset (Level 0)		
		001 – 003: Level 1 – Level 3		
	Nighttime low noise ON time	0:00 23.50 (10 minutes interval)		
	Nighttime low noise OFF time	0:00 23.50 (10 minutes interval)		
03	Thermostat OFF indoor fan control	000: Default control		○
		001: 10 seconds fan sampling operation		
		002: Fixed fan speed operation		
04	Thermostat OFF point adjustment	000: default Thermostat OFF point (ΔD)		○
		001: Cool = ΔD+2°C, Heat = ΔD-2°C		
		002: Cool = ΔD+4°C, Heat = ΔD-4°C		
		003: Cool = ΔD-2°C, Heat = ΔD+2°C		
		004: Cool = ΔD-4°C, Heat = ΔD+4°C		
06	Outdoor unit address	000: Clear address		○
		001 – 199: Address 1 - Address 199		

Note 1) Mark ○ in the column of the “Individual setting” shows a setting item individually made for each connected indoor unit.

Note 2) “R” represents remote control and I “indoor unit”.

Note 3) Start the setting from the setting value 000.

### 17.6.1 Night Time Low Noise

- This control turns down outdoor unit operation noise by limiting compressor and outdoor fan speed.

Setting Value	Description	Remark
000	Not set	Normal Noise Level
001	Level 1	Low Noise Level
002	Level 2	Lower Noise Level
003	Level 3	Lowest Noise Level

- Ensure current time is set correctly at remote control.
- To enable Night Time Low Noise:
  - Press SET button (2) to enter local setting mode
  - Press Temperature Up / Down button to select Mode No. 2
  - Press Timer Up / Down button to select 001, 002 or 003 for the noise level.
  - Press Timer SELECT button and then press Timer Up / Down button to set Night time low noise OFF time.
  - Press Timer SET button (1) to confirm the OFF time and continue set Night time low noise ON time.
  - Press Timer Up / Down button to set the ON time for Night Time Low Noise.
  - Press Timer SET button (1) to confirm the ON time.
  - After 2 seconds, exits from local setting mode.

## 17.6.2 Thermostat OFF Indoor Fan Control

- During thermostat OFF and compressor OFF, indoor fan control can be alter to suit different application requirement.

Setting Value	Description	Operation details
000	Default control	Fan control by EEPROM
001	10 seconds fan sampling	Fan OFF for 3 minutes, then ON for 10 seconds.
002	Fixed fan speed	AC Fan Motor Speed: Lo DC Fan Motor Speed: Lo-

## 17.6.3 Thermostat OFF Point Adjustment

The default thermostat OFF point might not be accurate depends on indoor unit installation condition, thermostat OFF point adjustment is could be done.

## **17.7 AC Reset Control**

**When AC Reset at remote control is pressed, all indoors & outdoor in the system (same Outdoor Address) will perform micron reset. All processing memory & counter will be cleared & restart.**

Perform AC Reset when abnormal display at remote controller or LED indicators is found during normal operation condition.



## 18. Troubleshooting Guide

Outdoor Unit Error Code	Abnormality Control	Areas to verify
F27-01	Indoor / outdoor unit communication line disconnection error	Indoor / outdoor unit communication line, lead wire terminal.
F30-01	Total quantity / capacity of connected indoor unit error	Total quantity / capacity of connected indoor unit is insufficient or over.
F30-02	Noise filter circuit (capacitor) error.	Outdoor unit main PCB.
F31-01	Low pressure protection	Refrigerant cycle, 2 or 3-way valve close, insufficient refrigerant.
F31-02	High pressure protection	Refrigerant cycle, 2 or 3-way valve close, overcharged refrigerant.
F31-06	4-way valve error	4-way valve, outdoor unit noise filter PCB, connector CN-HOT.
F31-08	Indoor unit freezing error	Abnormal indoor unit expansion valve.
F32-04	IPM temperature protection	Outdoor unit main PCB, power supply.
F32-05	Total current protection	Compressor locked, refrigerant cycle.
F32-06	Compressor discharge temperature protection	Insufficient refrigerant.
F32-08	PFC protection	Outdoor unit main PCB.
F32-09	DC peak current error	IPM abnormal, compressor locked, compressor lead wire connection, outdoor unit main PCB.
F32-10	Compressor rotation error	IPM abnormal, compressor locked, compressor lead wire connection, outdoor unit main PCB.
F35-02	Outdoor DC fan motor error	Outdoor DC fan motor, outdoor unit main PCB, connector CN-FM1, CN-FM2.
F40-01	Outdoor temperature sensor error	Outdoor temperature sensor lead wire, outdoor unit main PCB, connector CN-TH1.
F40-11	Compressor suction temperature sensor error	Compressor suction temperature lead wire, outdoor unit main PCB, connector CN-TH2, 3-way valve close.
F40-21	Outdoor heat exchanger temperature sensor error	Outdoor heat exchanger temperature sensor lead wire, outdoor unit main PCB, connector CN-TH1.
F40-31	DEF temperature sensor error	DEF temperature sensor lead wire, outdoor unit main PCB, connector CN-TH2.
F40-51	Compressor discharge temperature sensor error	Compressor discharge temperature sensor lead wire, outdoor unit main PCB, connector CN-DIS.
F41-02	High pressure switch disconnection error	High pressure switch lead wire, outdoor unit main PCB, connector CN-PSW1.
F41-12	Low pressure switch disconnection error	Low pressure switch lead wire, outdoor unit main PCB, connector CN-PSW2.
F42-11	Outdoor CT disconnection error	Outdoor unit main PCB.
F44-01	IPM temperature sensor error	Outdoor unit main PCB.
F45-01	Outdoor address double registration error	Outdoor unit address.

Indoor Unit Error Code	Abnormality Control	Areas to verify
F15-01	Drain level error	Drain pump, float switch, drain pipe, indoor unit main PCB, connector CN-DRMTR, CN-TH2.
F17-02	Indoor DC fan motor error	Indoor DC fan motor, connector CN-FM.
F20-01	Indoor liquid pipe temperature sensor error	Indoor liquid pipe temperature sensor lead wire, indoor unit main PCB, connector CN-TH2.
F20-02	Remote control thersistor error	Remote control thermistor.
F21-01	Indoor heat exchanger temperature sensor error	Indoor heat exchanger temperature sensor lead wire, indoor unit main PCB, connector CN-TH1.
F22-01	Indoor gas pipe temperature sensor error	Indoor gas pipe temperature sensor lead wire, indoor unit main PCB, connector CN-TH1.
F25-01	Indoor address double registration error	Indoor unit address.
F26-01	Remote control communication line disconnection error	Remote control lead wire, terminal, indoor unit main PCB connector CN-REM.
F27-01	Indoor / outdoor unit communication line disconnection error	Indoor / outdoor unit communication lead wire, connection terminal, indoor unit main PCB connector CN-UN, outdoor unit address.
F31-08 *	Indoor unit freezing error.	Abnormal indoor unit expansion valve, indoor unit heat exchanger sensor. * For indoor unit with error, indoor unit man PCB LED1 blinking ON: 2.5 sec. OFF: 0.5 sec..

## 19. Technical Data

### 19.1 Operation Characteristic

- The numbers of indoor unit connectable to one outdoor unit is shown in tables below, but the total cooling capacity of indoor unit combination must be 50% to 130% of outdoor unit cooling capacity.

		4HP	
Total indoor capacity (kW)	MAX	14.6	
	Rated	11.2	
	MIN	5.6	
Total indoor capacity (kW)	MAX	6	
	MIN	2	
Combination (%)	50 ~ 130		

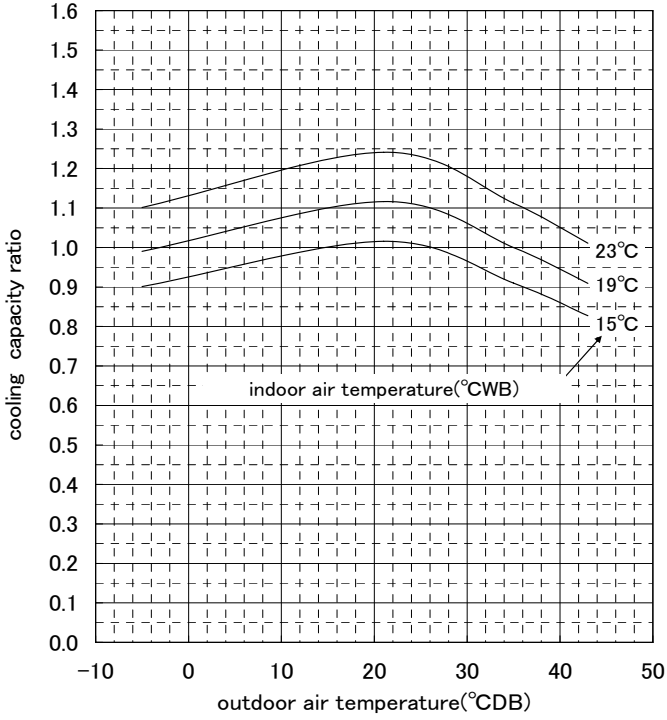
		5HP	
Total indoor capacity (kW)	MAX	18.2	
	Rated	14.0	
	MIN	7.0	
Total indoor capacity (kW)	MAX	8	
	MIN	2	
Combination (%)	50 ~ 130		

		6HP	
Total indoor capacity (kW)	MAX	20.2	
	Rated	15.5	
	MIN	7.8	
Total indoor capacity (kW)	MAX	8	
	MIN	2	
Combination (%)	50 ~ 130		

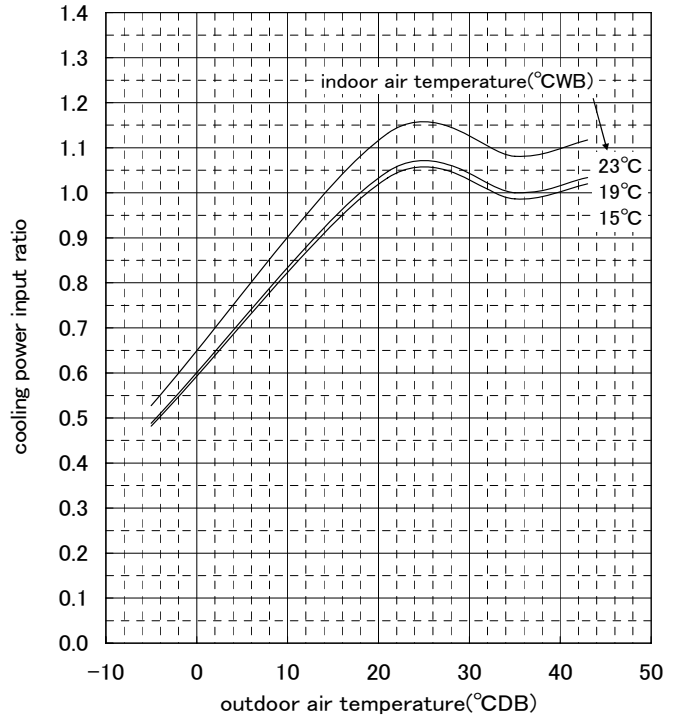
# 19.2 Capacity and Power Input

## 19.2.1 U-4LAE5

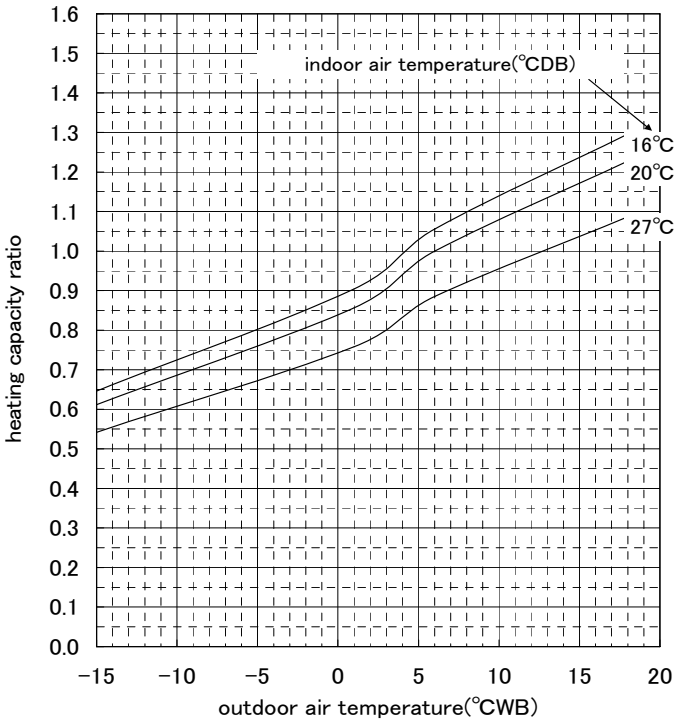
cooling capacity curve



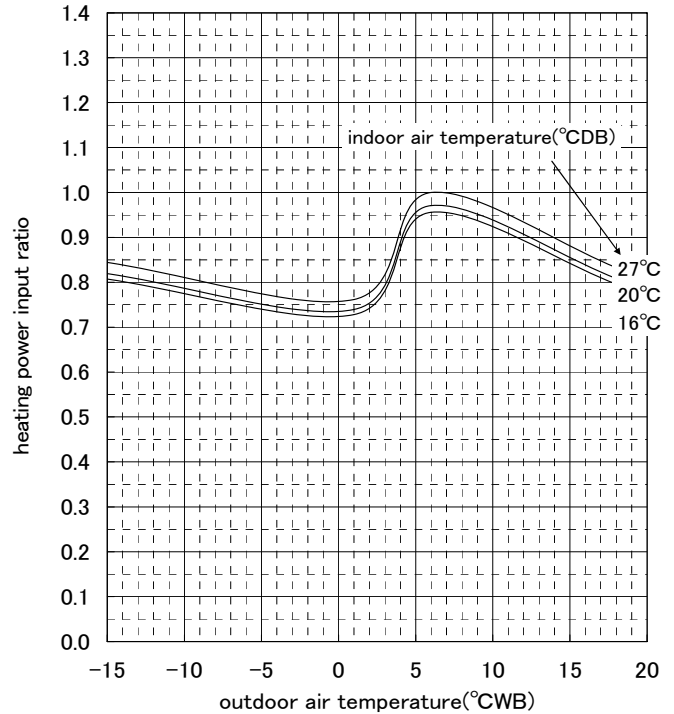
cooling power input curve



heating capacity curve

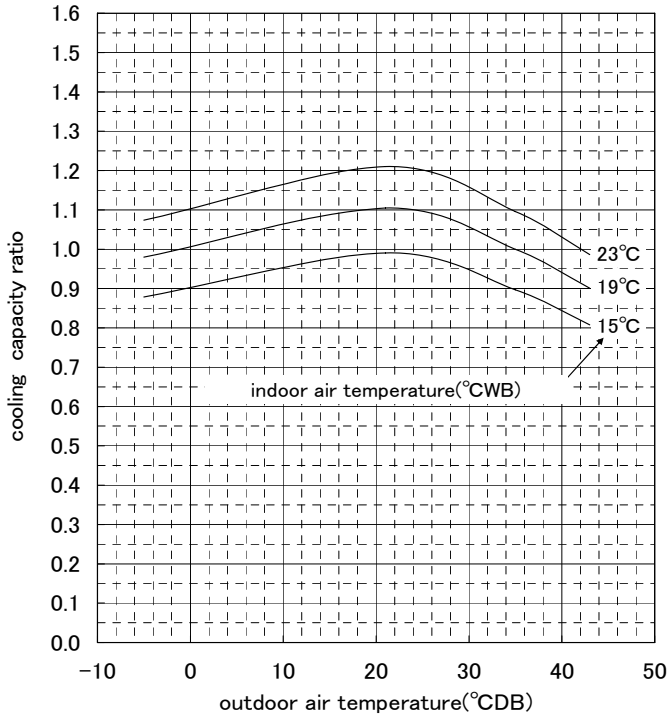


heating power input curve

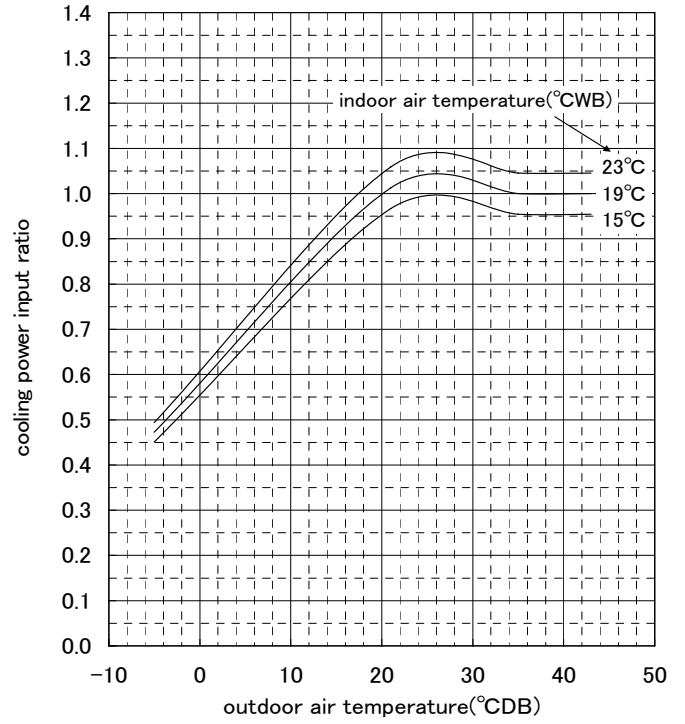


## 19.2.2 U-5LA1E5

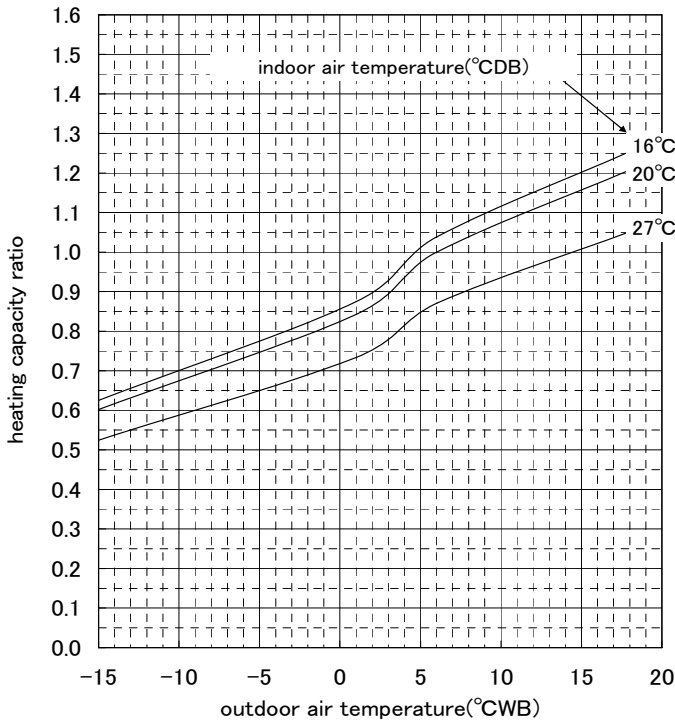
cooling capacity curve



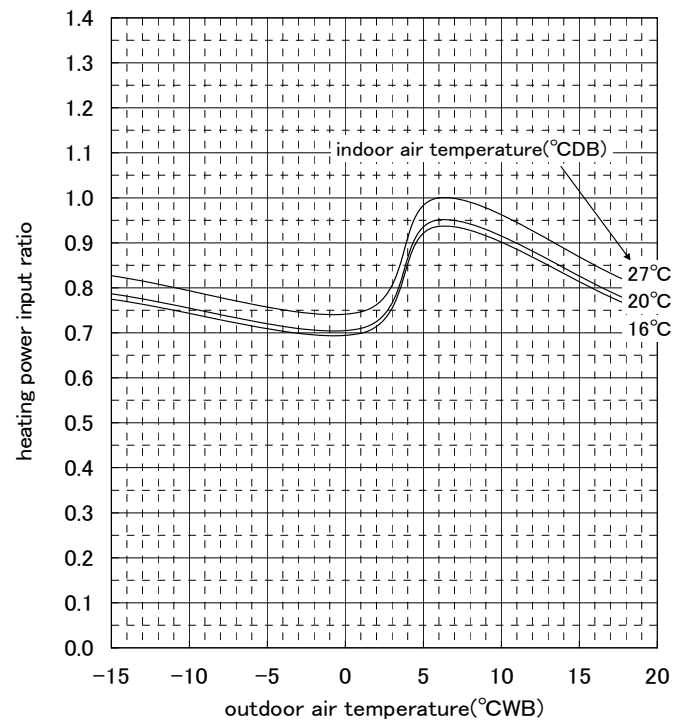
cooling power input curve



heating capacity curve

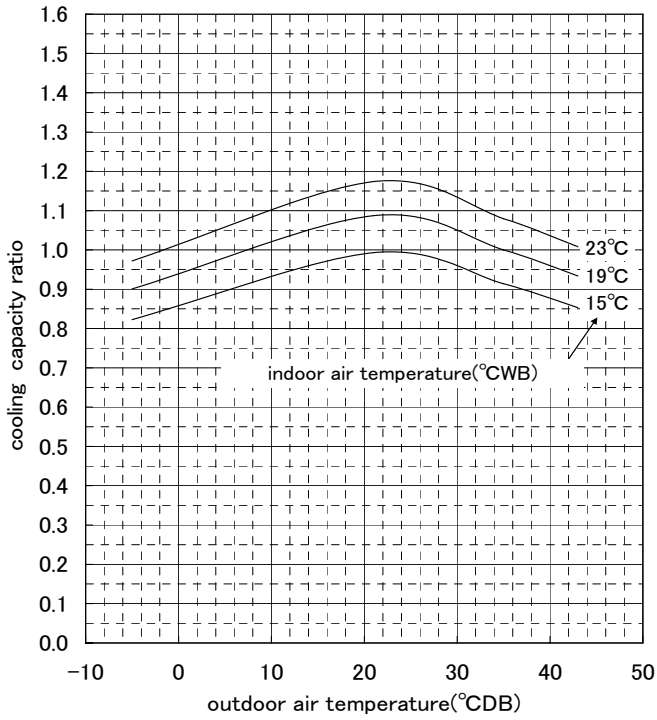


heating power input curve

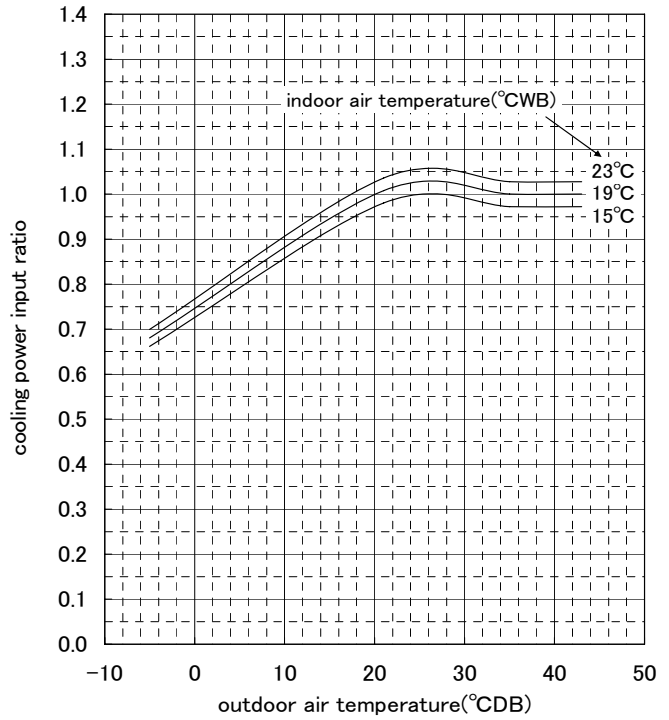


### 19.2.3 U-6LA1E5

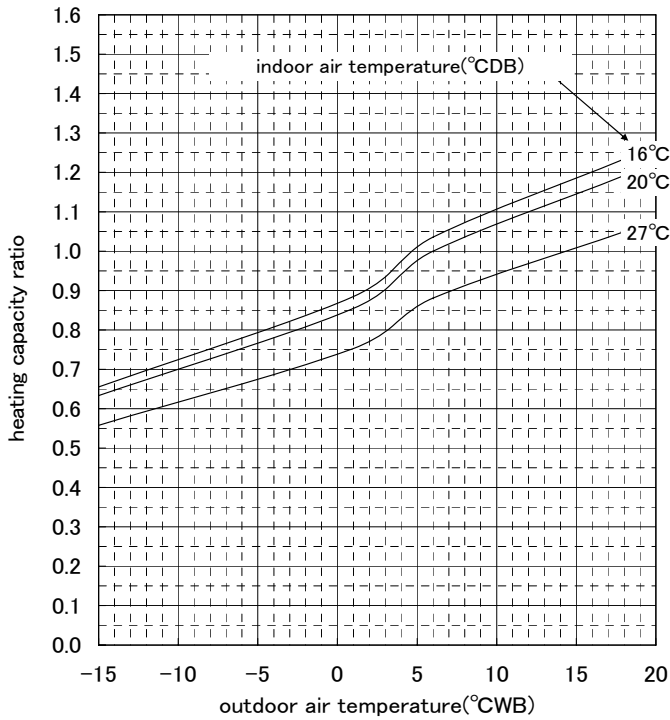
cooling capacity curve



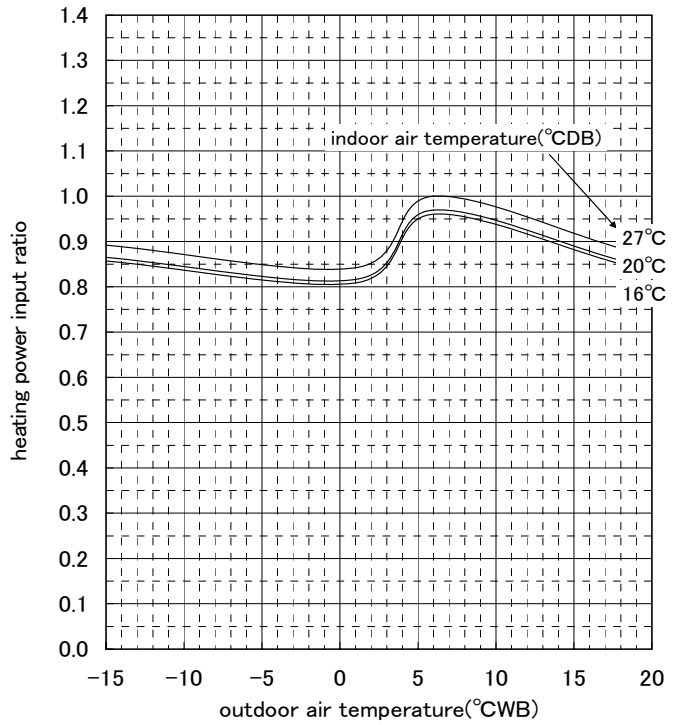
cooling power input curve



heating capacity curve



heating power input curve



## 19.3 Sensible Heat Capacity Table

### 19.3.1 U-4LA1E5

Connection indoor units : S-28KA1E5 x 4 units (an example)

Combination 100%

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CDB)	Indoor Air Temperature (°CWB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	7.56	0.71	9.02	0.95	10.5	1.20	11.2	1.33	11.9	1.46	13.4	1.73	14.8	2.00
12	7.56	0.73	9.02	0.97	10.5	1.23	11.2	1.36	11.9	1.49	13.4	1.77	14.8	2.04
14	7.56	0.75	9.02	1.00	10.5	1.26	11.2	1.39	11.9	1.53	13.4	1.81	14.8	2.09
16	7.56	0.77	9.02	1.03	10.5	1.29	11.2	1.43	11.9	1.57	13.4	1.85	14.8	2.19
18	7.56	0.79	9.02	1.05	10.5	1.33	11.2	1.47	11.9	1.61	13.4	1.98	14.8	2.40
20	7.56	0.82	9.02	1.08	10.5	1.38	11.2	1.56	11.9	1.75	13.4	2.16	14.8	2.61
21	7.56	0.83	9.02	1.10	10.5	1.44	11.2	1.63	11.9	1.83	13.4	2.26	14.8	2.72
23	7.56	0.86	9.02	1.20	10.5	1.57	11.2	1.78	11.9	1.99	13.4	2.45	14.8	2.89
25	7.56	0.95	9.02	1.31	10.5	1.71	11.2	1.93	11.9	2.16	13.4	2.66	14.8	3.04
27	7.56	1.03	9.02	1.42	10.5	1.86	11.2	2.09	11.9	2.34	13.4	2.87	14.8	3.18
29	7.56	1.13	9.02	1.54	10.5	2.01	11.2	2.27	11.9	2.53	13.4	3.10	14.8	3.33
31	7.56	1.23	9.02	1.67	10.5	2.17	11.2	2.45	11.9	2.73	13.4	3.34	14.8	3.47
33	7.56	1.33	9.02	1.81	10.5	2.35	11.2	2.64	11.9	2.94	13.4	3.59	14.8	3.62
35	7.56	1.44	9.02	1.95	10.5	2.53	11.2	2.84	11.9	3.17	13.4	3.74	14.8	3.77
37	7.56	1.56	9.02	2.10	10.5	2.72	11.2	3.05	11.9	3.41	13.4	3.88	14.8	3.91
39	7.56	1.68	9.02	2.26	10.5	2.92	11.2	3.28	11.9	3.66	13.4	4.03	14.8	4.06

Combination 50%

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CDB)	Indoor Air Temperature (°CWB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	3.78	0.42	4.51	0.51	5.24	0.60	5.60	0.66	5.96	0.71	6.69	0.82	7.42	0.93
12	3.78	0.42	4.51	0.52	5.24	0.62	5.60	0.67	5.96	0.72	6.69	0.83	7.42	0.95
14	3.78	0.44	4.51	0.54	5.24	0.64	5.60	0.69	5.96	0.75	6.69	0.86	7.42	0.98
16	3.78	0.45	4.51	0.55	5.24	0.65	5.60	0.71	5.96	0.76	6.69	0.88	7.42	1.00
18	3.78	0.46	4.51	0.56	5.24	0.66	5.60	0.72	5.96	0.78	6.69	0.90	7.42	1.02
20	3.78	0.47	4.51	0.57	5.24	0.68	5.60	0.74	5.96	0.79	6.69	0.92	7.42	1.04
21	3.78	0.47	4.51	0.57	5.24	0.69	5.60	0.74	5.96	0.80	6.69	0.93	7.42	1.05
23	3.78	0.48	4.51	0.59	5.24	0.70	5.60	0.76	5.96	0.82	6.69	0.95	7.42	1.08
25	3.78	0.49	4.51	0.60	5.24	0.72	5.60	0.78	5.96	0.85	6.69	1.00	7.42	1.16
27	3.78	0.50	4.51	0.63	5.24	0.76	5.60	0.84	5.96	0.91	6.69	1.08	7.42	1.26
29	3.78	0.54	4.51	0.67	5.24	0.82	5.60	0.90	5.96	0.98	6.69	1.16	7.42	1.34
31	3.78	0.58	4.51	0.72	5.24	0.88	5.60	0.96	5.96	1.05	6.69	1.24	7.42	1.44
33	3.78	0.62	4.51	0.77	5.24	0.94	5.60	1.03	5.96	1.13	6.69	1.32	7.42	1.54
35	3.78	0.66	4.51	0.83	5.24	1.01	5.60	1.10	5.96	1.20	6.69	1.42	7.42	1.64
37	3.78	0.71	4.51	0.88	5.24	1.08	5.60	1.18	5.96	1.29	6.69	1.51	7.42	1.76
39	3.78	0.75	4.51	0.94	5.24	1.15	5.60	1.26	5.96	1.37	6.69	1.61	7.42	1.88

Note : PI of indoor units is not included in the table.

### 19.3.2 U-5LA1E5

Connection indoor units : S-71KA1E5 x 2 units (an example)

Combination 100%

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CDB)	Indoor Air Temperature (°CWB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	9.45	1.83	11.3	2.07	13.1	2.32	14.0	2.45	14.9	2.58	16.7	2.85	18.6	3.12
12	9.45	1.85	11.3	2.09	13.1	2.35	14.0	2.48	14.9	2.61	16.7	2.89	18.6	3.16
14	9.45	1.87	11.3	2.12	13.1	2.38	14.0	2.51	14.9	2.65	16.7	2.93	18.6	3.21
16	9.45	1.89	11.3	2.15	13.1	2.41	14.0	2.55	14.9	2.69	16.7	2.97	18.6	3.31
18	9.45	1.91	11.3	2.17	13.1	2.45	14.0	2.59	14.9	2.73	16.7	3.10	18.6	3.52
20	9.45	1.94	11.3	2.20	13.1	2.50	14.0	2.68	14.9	2.87	16.7	3.28	18.6	3.73
21	9.45	1.95	11.3	2.22	13.1	2.56	14.0	2.75	14.9	2.95	16.7	3.38	18.6	3.84
23	9.45	1.98	11.3	2.32	13.1	2.69	14.0	2.90	14.9	3.11	16.7	3.57	18.6	4.01
25	9.45	2.07	11.3	2.43	13.1	2.83	14.0	3.05	14.9	3.28	16.7	3.78	18.6	4.16
27	9.45	2.15	11.3	2.54	13.1	2.98	14.0	3.21	14.9	3.46	16.7	3.99	18.6	4.30
29	9.45	2.25	11.3	2.66	13.1	3.13	14.0	3.39	14.9	3.65	16.7	4.22	18.6	4.45
31	9.45	2.35	11.3	2.79	13.1	3.29	14.0	3.57	14.9	3.85	16.7	4.46	18.6	4.59
33	9.45	2.45	11.3	2.93	13.1	3.47	14.0	3.76	14.9	4.06	16.7	4.71	18.6	4.74
35	9.45	2.56	11.3	3.07	13.1	3.65	14.0	3.96	14.9	4.29	16.7	4.86	18.6	4.89
37	9.45	2.68	11.3	3.22	13.1	3.84	14.0	4.17	14.9	4.53	16.7	5.00	18.6	5.03
39	9.45	2.80	11.3	3.38	13.1	4.04	14.0	4.40	14.9	4.78	16.7	5.15	18.6	5.18

Combination 50%

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CDB)	Indoor Air Temperature (°CWB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	4.72	0.85	5.63	0.94	6.54	1.03	7.00	1.09	7.46	1.14	8.37	1.25	9.28	1.36
12	4.72	0.85	5.63	0.95	6.54	1.05	7.00	1.10	7.46	1.15	8.37	1.26	9.28	1.38
14	4.72	0.87	5.63	0.97	6.54	1.07	7.00	1.12	7.46	1.18	8.37	1.29	9.28	1.41
16	4.72	0.88	5.63	0.98	6.54	1.08	7.00	1.14	7.46	1.19	8.37	1.31	9.28	1.43
18	4.72	0.89	5.63	0.99	6.54	1.09	7.00	1.15	7.46	1.21	8.37	1.33	9.28	1.45
20	4.72	0.90	5.63	1.00	6.54	1.11	7.00	1.17	7.46	1.22	8.37	1.35	9.28	1.47
21	4.72	0.90	5.63	1.00	6.54	1.12	7.00	1.17	7.46	1.23	8.37	1.36	9.28	1.48
23	4.72	0.91	5.63	1.02	6.54	1.13	7.00	1.19	7.46	1.25	8.37	1.38	9.28	1.51
25	4.72	0.92	5.63	1.03	6.54	1.15	7.00	1.21	7.46	1.28	8.37	1.43	9.28	1.59
27	4.72	0.93	5.63	1.06	6.54	1.19	7.00	1.27	7.46	1.34	8.37	1.51	9.28	1.69
29	4.72	0.97	5.63	1.10	6.54	1.25	7.00	1.33	7.46	1.41	8.37	1.59	9.28	1.77
31	4.72	1.01	5.63	1.15	6.54	1.31	7.00	1.39	7.46	1.48	8.37	1.67	9.28	1.87
33	4.72	1.05	5.63	1.20	6.54	1.37	7.00	1.46	7.46	1.56	8.37	1.75	9.28	1.97
35	4.72	1.09	5.63	1.26	6.54	1.44	7.00	1.53	7.46	1.63	8.37	1.85	9.28	2.07
37	4.72	1.14	5.63	1.31	6.54	1.51	7.00	1.61	7.46	1.72	8.37	1.94	9.28	2.19
39	4.72	1.18	5.63	1.37	6.54	1.58	7.00	1.69	7.46	1.80	8.37	2.04	9.28	2.31

Note : PI of indoor units is not included in the table.



### 19.3.3 U-6LA1E5

Connection indoor units : S-22KA1E5 x 2 units + S-56KA1E5 x 2 units (an example)

Combination 100%

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CDB)	Indoor Air Temperature (°CWB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	10.5	2.66	12.5	2.90	14.5	3.15	15.5	3.28	16.5	3.41	18.5	3.68	20.2	3.95
12	10.5	2.68	12.5	2.92	14.5	3.18	15.5	3.31	16.5	3.44	18.5	3.72	20.2	3.99
14	10.5	2.70	12.5	2.95	14.5	3.21	15.5	3.34	16.5	3.48	18.5	3.76	20.2	4.04
16	10.5	2.72	12.5	2.98	14.5	3.24	15.5	3.38	16.5	3.52	18.5	3.80	20.2	4.14
18	10.5	2.74	12.5	3.00	14.5	3.28	15.5	3.42	16.5	3.56	18.5	3.93	20.2	4.35
20	10.5	2.77	12.5	3.03	14.5	3.33	15.5	3.51	16.5	3.70	18.5	4.11	20.2	4.56
21	10.5	2.78	12.5	3.05	14.5	3.39	15.5	3.58	16.5	3.78	18.5	4.21	20.2	4.67
23	10.5	2.81	12.5	3.15	14.5	3.52	15.5	3.73	16.5	3.94	18.5	4.40	20.2	4.84
25	10.5	2.90	12.5	3.26	14.5	3.66	15.5	3.88	16.5	4.11	18.5	4.61	20.2	4.99
27	10.5	2.98	12.5	3.37	14.5	3.81	15.5	4.04	16.5	4.29	18.5	4.82	20.2	5.13
29	10.5	3.08	12.5	3.49	14.5	3.96	15.5	4.22	16.5	4.48	18.5	5.05	20.2	5.28
31	10.5	3.18	12.5	3.62	14.5	4.12	15.5	4.40	16.5	4.68	18.5	5.29	20.2	5.42
33	10.5	3.28	12.5	3.76	14.5	4.30	15.5	4.59	16.5	4.89	18.5	5.54	20.2	5.57
35	10.5	3.39	12.5	3.90	14.5	4.48	15.5	4.79	16.5	5.12	18.5	5.69	20.2	5.72
37	10.5	3.51	12.5	4.05	14.5	4.67	15.5	5.00	16.5	5.36	18.5	5.83	20.2	5.86
39	10.5	3.63	12.5	4.21	14.5	4.87	15.5	5.23	16.5	5.61	18.5	5.98	20.2	6.01

Combination 50%

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CDB)	Indoor Air Temperature (°CWB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	5.23	1.18	6.24	1.27	7.25	1.36	7.75	1.42	8.25	1.47	9.26	1.58	10.3	1.69
12	5.23	1.18	6.24	1.28	7.25	1.38	7.75	1.43	8.25	1.48	9.26	1.59	10.3	1.71
14	5.23	1.20	6.24	1.30	7.25	1.40	7.75	1.45	8.25	1.51	9.26	1.62	10.3	1.74
16	5.23	1.21	6.24	1.31	7.25	1.41	7.75	1.47	8.25	1.52	9.26	1.64	10.3	1.76
18	5.23	1.22	6.24	1.32	7.25	1.42	7.75	1.48	8.25	1.54	9.26	1.66	10.3	1.78
20	5.23	1.23	6.24	1.33	7.25	1.44	7.75	1.50	8.25	1.55	9.26	1.68	10.3	1.80
21	5.23	1.23	6.24	1.33	7.25	1.45	7.75	1.50	8.25	1.56	9.26	1.69	10.3	1.81
23	5.23	1.24	6.24	1.35	7.25	1.46	7.75	1.52	8.25	1.58	9.26	1.71	10.3	1.84
25	5.23	1.25	6.24	1.36	7.25	1.48	7.75	1.54	8.25	1.61	9.26	1.76	10.3	1.92
27	5.23	1.26	6.24	1.39	7.25	1.52	7.75	1.60	8.25	1.67	9.26	1.84	10.3	2.02
29	5.23	1.30	6.24	1.43	7.25	1.58	7.75	1.66	8.25	1.74	9.26	1.92	10.3	2.10
31	5.23	1.34	6.24	1.48	7.25	1.64	7.75	1.72	8.25	1.81	9.26	2.00	10.3	2.20
33	5.23	1.38	6.24	1.53	7.25	1.70	7.75	1.79	8.25	1.89	9.26	2.08	10.3	2.30
35	5.23	1.42	6.24	1.59	7.25	1.77	7.75	1.86	8.25	1.96	9.26	2.18	10.3	2.40
37	5.23	1.47	6.24	1.64	7.25	1.84	7.75	1.94	8.25	2.05	9.26	2.27	10.3	2.52
39	5.23	1.51	6.24	1.70	7.25	1.91	7.75	2.02	8.25	2.13	9.26	2.37	10.3	2.64

Note : PI of indoor units is not included in the table.

## 19.4 Cooling Capacity Tables

### 19.4.1 U-4LA1E5

Combination 130%  
Capacity index(kW) 14.56

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	9.83	1.51	11.7	1.75	13.6	2.00	14.6	2.13	15.5	2.26	16.6	2.53	16.9	2.80
12	9.83	1.53	11.7	1.77	13.6	2.03	14.6	2.16	15.5	2.29	16.4	2.57	16.7	2.84
14	9.83	1.55	11.7	1.80	13.6	2.06	14.6	2.19	15.5	2.33	16.1	2.61	16.5	2.89
16	9.83	1.57	11.7	1.83	13.6	2.09	14.6	2.23	15.5	2.37	15.9	2.65	16.3	2.99
18	9.83	1.59	11.7	1.85	13.6	2.13	14.6	2.27	15.4	2.41	15.7	2.78	16.1	3.20
20	9.83	1.62	11.7	1.88	13.6	2.18	14.6	2.36	15.2	2.55	15.5	2.96	15.9	3.41
21	9.83	1.63	11.7	1.90	13.6	2.24	14.6	2.43	15.0	2.63	15.4	3.06	15.8	3.52
23	9.83	1.66	11.7	2.00	13.6	2.37	14.6	2.58	14.8	2.79	15.2	3.25	15.5	3.69
25	9.83	1.75	11.7	2.11	13.6	2.51	14.4	2.73	14.6	2.96	15.0	3.46	15.3	3.84
27	9.83	1.83	11.7	2.22	13.6	2.66	14.2	2.89	14.4	3.14	14.8	3.67	15.1	3.98
29	9.83	1.93	11.7	2.34	13.6	2.81	14.0	3.07	14.2	3.33	14.5	3.90	14.9	4.13
31	9.83	2.03	11.7	2.47	13.6	2.97	13.8	3.25	14.0	3.53	14.3	4.14	14.7	4.17
33	9.83	2.13	11.7	2.61	13.4	3.15	13.6	3.44	13.8	3.74	14.1	4.19	14.5	4.22
35	9.83	2.24	11.7	2.75	13.2	3.33	13.4	3.64	13.6	3.97	13.9	4.24	14.3	4.27
37	9.83	2.26	11.7	2.80	13.0	3.42	13.2	3.75	13.3	4.01	13.7	4.28	14.1	4.31
39	9.83	2.28	11.7	2.86	12.8	3.52	13.0	3.88	13.1	4.16	13.5	4.33	13.8	4.36

Combination 120%  
Capacity index(kW) 13.44

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	9.07	1.49	10.8	1.73	12.6	1.98	13.4	2.11	14.3	2.24	16.1	2.51	16.7	2.78
12	9.07	1.51	10.8	1.75	12.6	2.01	13.4	2.14	14.3	2.27	16.1	2.55	16.4	2.82
14	9.07	1.53	10.8	1.78	12.6	2.04	13.4	2.17	14.3	2.31	15.9	2.59	16.2	2.87
16	9.07	1.55	10.8	1.81	12.6	2.07	13.4	2.21	14.3	2.35	15.7	2.63	16.0	2.97
18	9.07	1.57	10.8	1.83	12.6	2.11	13.4	2.25	14.3	2.39	15.5	2.76	15.8	3.18
20	9.07	1.60	10.8	1.86	12.6	2.16	13.4	2.34	14.3	2.53	15.3	2.94	15.6	3.39
21	9.07	1.61	10.8	1.88	12.6	2.22	13.4	2.41	14.3	2.61	15.2	3.04	15.5	3.50
23	9.07	1.64	10.8	1.98	12.6	2.35	13.4	2.56	14.3	2.77	14.9	3.23	15.3	3.67
25	9.07	1.73	10.8	2.09	12.6	2.49	13.4	2.71	14.3	2.94	14.7	3.44	15.1	3.82
27	9.07	1.81	10.8	2.20	12.6	2.64	13.4	2.87	14.2	3.12	14.5	3.65	14.8	3.96
29	9.07	1.91	10.8	2.32	12.6	2.79	13.4	3.05	14.0	3.31	14.3	3.88	14.6	4.01
31	9.07	2.01	10.8	2.45	12.6	2.95	13.4	3.23	13.8	3.51	14.1	3.92	14.4	4.05
33	9.07	2.11	10.8	2.59	12.6	3.13	13.4	3.42	13.5	3.72	13.9	4.07	14.2	4.10
35	9.07	2.22	10.8	2.73	12.6	3.31	13.2	3.62	13.3	3.95	13.7	4.12	14.0	4.15
37	9.07	2.24	10.8	2.78	12.6	3.40	13.0	3.73	13.1	3.99	13.4	4.16	13.8	4.19
39	9.07	2.26	10.8	2.84	12.6	3.50	12.7	3.86	12.9	4.04	13.2	4.21	13.6	4.24

Combination 110%  
Capacity index(kW) 12.32

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	8.31	1.15	9.92	1.39	11.5	1.64	12.3	1.77	13.1	1.90	14.7	2.17	16.3	2.44
12	8.31	1.17	9.92	1.41	11.5	1.67	12.3	1.80	13.1	1.93	14.7	2.21	16.2	2.48
14	8.31	1.19	9.92	1.44	11.5	1.70	12.3	1.83	13.1	1.97	14.7	2.25	15.9	2.53
16	8.31	1.21	9.92	1.47	11.5	1.73	12.3	1.87	13.1	2.01	14.7	2.29	15.7	2.63
18	8.31	1.23	9.92	1.49	11.5	1.77	12.3	1.91	13.1	2.05	14.7	2.42	15.5	2.84
20	8.31	1.26	9.92	1.52	11.5	1.82	12.3	2.00	13.1	2.19	14.7	2.60	15.3	3.05
21	8.31	1.27	9.92	1.54	11.5	1.88	12.3	2.07	13.1	2.27	14.7	2.70	15.2	3.16
23	8.31	1.30	9.92	1.64	11.5	2.01	12.3	2.22	13.1	2.43	14.7	2.89	15.0	3.33
25	8.31	1.39	9.92	1.75	11.5	2.15	12.3	2.37	13.1	2.60	14.5	3.10	14.8	3.48
27	8.31	1.47	9.92	1.86	11.5	2.30	12.3	2.53	13.1	2.78	14.3	3.31	14.6	3.62
29	8.31	1.57	9.92	1.98	11.5	2.45	12.3	2.71	13.1	2.97	14.0	3.54	14.3	3.77
31	8.31	1.67	9.92	2.11	11.5	2.61	12.3	2.89	13.1	3.17	13.8	3.78	14.1	3.81
33	8.31	1.77	9.92	2.25	11.5	2.79	12.3	3.08	13.1	3.38	13.6	3.83	13.9	3.86
35	8.31	1.88	9.92	2.39	11.5	2.97	12.3	3.28	13.1	3.61	13.4	3.98	13.7	4.01
37	8.31	1.90	9.92	2.44	11.5	3.06	12.3	3.39	12.9	3.75	13.2	4.02	13.5	4.05
39	8.31	1.92	9.92	2.50	11.5	3.16	12.3	3.52	12.7	3.80	13.0	4.07	13.3	4.10

Combination 100%  
Capacity index(kW) 11.20

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	7.56	0.71	9.02	0.95	10.5	1.20	11.2	1.33	11.9	1.46	13.4	1.73	14.8	2.00
12	7.56	0.73	9.02	0.97	10.5	1.23	11.2	1.36	11.9	1.49	13.4	1.77	14.8	2.04
14	7.56	0.75	9.02	1.00	10.5	1.26	11.2	1.39	11.9	1.53	13.4	1.81	14.8	2.09
16	7.56	0.77	9.02	1.03	10.5	1.29	11.2	1.43	11.9	1.57	13.4	1.85	14.8	2.19
18	7.56	0.79	9.02	1.05	10.5	1.33	11.2	1.47	11.9	1.61	13.4	1.98	14.8	2.40
20	7.56	0.82	9.02	1.08	10.5	1.38	11.2	1.56	11.9	1.75	13.4	2.16	14.8	2.61
21	7.56	0.83	9.02	1.10	10.5	1.44	11.2	1.63	11.9	1.83	13.4	2.26	14.8	2.72
23	7.56	0.86	9.02	1.20	10.5	1.57	11.2	1.78	11.9	1.99	13.4	2.45	14.7	2.89
25	7.56	0.95	9.02	1.31	10.5	1.71	11.2	1.93	11.9	2.16	13.4	2.66	14.5	3.04
27	7.56	1.03	9.02	1.42	10.5	1.86	11.2	2.09	11.9	2.34	13.4	2.87	14.3	3.18
29	7.56	1.13	9.02	1.54	10.5	2.01	11.2	2.27	11.9	2.53	13.4	3.10	14.1	3.33
31	7.56	1.23	9.02	1.67	10.5	2.17	11.2	2.45	11.9	2.73	13.4	3.34	13.9	3.47
33	7.56	1.33	9.02	1.81	10.5	2.35	11.2	2.64	11.9	2.94	13.4	3.59	13.6	3.62
35	7.56	1.44	9.02	1.95	10.5	2.53	11.2	2.84	11.9	3.17	13.2	3.74	13.4	3.77
37	7.56	1.56	9.02	2.10	10.5	2.72	11.2	3.05	11.9	3.41	12.9	3.88	13.2	3.91
39	7.56	1.68	9.02	2.26	10.5	2.92	11.2	3.28	11.9	3.66	12.7	4.03	13.0	4.06

Combination 90%  
Capacity index(kW) 10.08

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	6.80	0.65	8.11	0.80	9.42	0.89	10.1	0.95	10.7	1.00	12.0	1.11	13.4	1.22
12	6.80	0.68	8.11	0.83	9.42	0.93	10.1	0.98	10.7	1.03	12.0	1.14	13.4	1.26
14	6.80	0.72	8.11	0.87	9.42	0.97	10.1	1.02	10.7	1.08	12.0	1.19	13.4	1.31
16	6.80	0.75	8.11	0.90	9.42	1.00	10.1	1.06	10.7	1.11	12.0	1.23	13.4	1.35
18	6.80	0.77	8.11	0.99	9.42	1.09	10.1	1.15	10.7	1.21	12.0	1.33	13.4	1.45
20	6.80	0.80	8.11	1.05	9.42	1.16	10.1	1.22	10.7	1.27	12.0	1.40	13.4	1.52
21	6.80	0.82	8.11	1.07	9.42	1.32	10.1	1.37	10.7	1.43	12.0	1.56	13.4	1.68
23	6.80	0.84	8.11	1.15	9.42	1.46	10.1	1.52	10.7	1.58	12.0	1.71	13.4	1.84
25	6.80	0.93	8.11	1.20	9.42	1.62	10.1	1.68	10.7	1.75	12.0	1.90	13.4	2.06
27	6.80	0.98	8.11	1.35	9.42	1.78	10.1	1.86	10.7	1.93	12.0	2.10	13.4	2.28
29	6.80	1.08	8.11	1.51	9.42	1.96	10.1	2.04	10.7	2.12	12.0	2.30	13.4	2.48
31	6.80	1.18	8.11	1.65	9.42	2.15	10.1	2.23	10.7	2.32	12.0	2.51	13.4	2.71
33	6.80	1.27	8.11	1.77	9.42	2.34	10.1	2.43	10.7	2.53	12.0	2.72	13.4	2.94
35	6.80	1.40	8.11	1.87	9.42	2.45	10.1	2.54	10.7	2.64	12.0	2.86	13.2	3.08
37	6.80	1.52	8.11	2.07	9.42	2.57	10.1	2.67	10.7	2.78	12.0	3.00	12.9	3.25
39	6.80	1.64	8.11	2.13	9.42	2.64	10.1	2.75	10.7	2.86	12.0	3.10	12.7	3.37

Combination 80%  
Capacity index(kW) 8.96

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	6.05	0.60	7.21	0.69	8.38	0.78	8.96	0.84	9.54	0.89	10.7	1.00	11.9	1.11
12	6.05	0.62	7.21	0.72	8.38	0.82	8.96	0.87	9.54	0.92	10.7	1.03	11.9	1.15
14	6.05	0.65	7.21	0.75	8.38	0.85	8.96	0.90	9.54	0.96	10.7	1.07	11.9	1.19
16	6.05	0.68	7.21	0.78	8.38	0.88	8.96	0.94	9.54	0.99	10.7	1.11	11.9	1.23
18	6.05	0.72	7.21	0.82	8.38	0.92	8.96	0.98	9.54	1.04	10.7	1.16	11.9	1.28
20	6.05	0.78	7.21	0.90	8.38	1.01	8.96	1.07	9.54	1.12	10.7	1.25	11.9	1.37
21	6.05	0.80	7.21	0.97	8.38	1.09	8.96	1.14	9.54	1.20	10.7	1.33	11.9	1.45
23	6.05	0.81	7.21	1.12	8.38	1.23	8.96	1.29	9.54	1.35	10.7	1.48	11.9	1.61
25	6.05	0.90	7.21	1.16	8.38	1.38	8.96	1.44	9.54	1.51	10.7	1.66	11.9	1.82
27	6.05	0.96	7.21	1.29	8.38	1.52	8.96	1.60	9.54	1.67	10.7	1.84	11.9	2.02
29	6.05	1.02	7.21	1.45	8.38	1.70	8.96	1.78	9.54	1.86	10.7	2.04	11.9	2.22
31	6.05	1.12	7.21	1.52	8.38	1.78	8.96	1.86	9.54	1.95	10.7	2.14	11.9	2.34
33	6.05	1.24	7.21	1.59	8.38	1.86	8.96	1.95	9.54	2.05	10.7	2.24	11.9	2.46
35	6.05	1.33	7.21	1.68	8.38	1.96	8.96	2.05	9.54	2.15	10.7	2.37	11.9	2.59
37	6.05	1.46	7.21	1.93	8.38	2.16	8.96	2.26	9.54	2.37	10.7	2.59	11.9	2.84
39	6.05	1.58	7.21	2.07	8.38	2.38	8.96	2.49	9.54	2.60	10.7	2.84	11.9	3.11

Combination 70%  
Capacity index(kW) 7.84

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	5.29	0.53	6.31	0.62	7.33	0.71	7.84	0.77	8.35	0.82	9.37	0.93	10.4	1.04
12	5.29	0.54	6.31	0.63	7.33	0.73	7.84	0.78	8.35	0.83	9.37	0.94	10.4	1.06
14	5.29	0.55	6.31	0.65	7.33	0.75	7.84	0.80	8.35	0.86	9.37	0.97	10.4	1.09
16	5.29	0.56	6.31	0.66	7.33	0.76	7.84	0.82	8.35	0.87	9.37	0.99	10.4	1.11
18	5.29	0.57	6.31	0.67	7.33	0.77	7.84	0.83	8.35	0.89	9.37	1.01	10.4	1.13
20	5.29	0.58	6.31	0.68	7.33	0.79	7.84	0.85	8.35	0.90	9.37	1.03	10.4	1.15
21	5.29	0.68	6.31	0.78	7.33	0.90	7.84	0.95	8.35	1.01	9.37	1.14	10.4	1.26
23	5.29	0.69	6.31	0.80	7.33	0.91	7.84	0.97	8.35	1.03	9.37	1.16	10.4	1.29
25	5.29	0.70	6.31	0.81	7.33	0.93	7.84	0.99	8.35	1.06	9.37	1.21	10.4	1.37
27	5.29	0.75	6.31	0.88	7.33	1.01	7.84	1.09	8.35	1.16	9.37	1.33	10.4	1.51
29	5.29	0.85	6.31	0.98	7.33	1.13	7.84	1.21	8.35	1.29	9.37	1.47	10.4	1.65
31	5.29	0.99	6.31	1.13	7.33	1.29	7.84	1.37	8.35	1.46	9.37	1.65	10.4	1.85
33	5.29	1.13	6.31	1.28	7.33	1.45	7.84	1.54	8.35	1.64	9.37	1.83	10.4	2.05
35	5.29	1.27	6.31	1.44	7.33	1.62	7.84	1.71	8.35	1.81	9.37	2.03	10.4	2.25
37	5.29	1.32	6.31	1.49	7.33	1.69	7.84	1.79	8.35	1.90	9.37	2.12	10.4	2.37
39	5.29	1.36	6.31	1.55	7.33	1.76	7.84	1.87	8.35	1.98	9.37	2.22	10.4	2.49

Combination 60%  
Capacity index(kW) 6.72

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	4.54	0.47	5.41	0.56	6.28	0.65	6.72	0.71	7.16	0.76	8.03	0.87	8.90	0.98
12	4.54	0.48	5.41	0.57	6.28	0.67	6.72	0.72	7.16	0.77	8.03	0.88	8.90	1.00
14	4.54	0.49	5.41	0.59	6.28	0.69	6.72	0.74	7.16	0.80	8.03	0.91	8.90	1.03
16	4.54	0.50	5.41	0.60	6.28	0.70	6.72	0.76	7.16	0.81	8.03	0.93	8.90	1.05
18	4.54	0.51	5.41	0.61	6.28	0.71	6.72	0.77	7.16	0.83	8.03	0.95	8.90	1.07
20	4.54	0.52	5.41	0.62	6.28	0.73	6.72	0.79	7.16	0.84	8.03	0.97	8.90	1.09
21	4.54	0.53	5.41	0.63	6.28	0.75	6.72	0.80	7.16	0.86	8.03	0.99	8.90	1.11
23	4.54	0.54	5.41	0.65	6.28	0.76	6.72	0.82	7.16	0.88	8.03	1.01	8.90	1.14
25	4.54	0.55	5.41	0.66	6.28	0.78	6.72	0.84	7.16	0.91	8.03	1.06	8.90	1.22
27	4.54	0.56	5.41	0.69	6.28	0.82	6.72	0.90	7.16	0.97	8.03	1.14	8.90	1.32
29	4.54	0.60	5.41	0.73	6.28	0.88	6.72	0.96	7.16	1.04	8.03	1.22	8.90	1.40
31	4.54	0.68	5.41	0.82	6.28	0.98	6.72	1.06	7.16	1.15	8.03	1.34	8.90	1.54
33	4.54	0.82	5.41	0.97	6.28	1.14	6.72	1.23	7.16	1.33	8.03	1.52	8.90	1.74
35	4.54	0.96	5.41	1.13	6.28	1.31	6.72	1.40	7.16	1.50	8.03	1.72	8.90	1.94
37	4.54	1.01	5.41	1.18	6.28	1.38	6.72	1.48	7.16	1.59	8.03	1.81	8.90	2.06
39	4.54	1.05	5.41	1.24	6.28	1.45	6.72	1.56	7.16	1.67	8.03	1.91	8.90	2.18

Combination 50%  
Capacity index(kW) 5.60

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	3.78	0.42	4.51	0.51	5.24	0.60	5.60	0.66	5.96	0.71	6.69	0.82	7.42	0.93
12	3.78	0.42	4.51	0.52	5.24	0.62	5.60	0.67	5.96	0.72	6.69	0.83	7.42	0.95
14	3.78	0.44	4.51	0.54	5.24	0.64	5.60	0.69	5.96	0.75	6.69	0.86	7.42	0.98
16	3.78	0.45	4.51	0.55	5.24	0.65	5.60	0.71	5.96	0.76	6.69	0.88	7.42	1.00
18	3.78	0.46	4.51	0.56	5.24	0.66	5.60	0.72	5.96	0.78	6.69	0.90	7.42	1.02
20	3.78	0.47	4.51	0.57	5.24	0.68	5.60	0.74	5.96	0.79	6.69	0.92	7.42	1.04
21	3.78	0.47	4.51	0.57	5.24	0.69	5.60	0.74	5.96	0.80	6.69	0.93	7.42	1.05
23	3.78	0.48	4.51	0.59	5.24	0.70	5.60	0.76	5.96	0.82	6.69	0.95	7.42	1.08
25	3.78	0.49	4.51	0.60	5.24	0.72	5.60	0.78	5.96	0.85	6.69	1.00	7.42	1.16
27	3.78	0.50	4.51	0.63	5.24	0.76	5.60	0.84	5.96	0.91	6.69	1.08	7.42	1.26
29	3.78	0.54	4.51	0.67	5.24	0.82	5.60	0.90	5.96	0.98	6.69	1.16	7.42	1.34
31	3.78	0.58	4.51	0.72	5.24	0.88	5.60	0.96	5.96	1.05	6.69	1.24	7.42	1.44
33	3.78	0.62	4.51	0.77	5.24	0.94	5.60	1.03	5.96	1.13	6.69	1.32	7.42	1.54
35	3.78	0.66	4.51	0.83	5.24	1.01	5.60	1.10	5.96	1.20	6.69	1.42	7.42	1.64
37	3.78	0.71	4.51	0.88	5.24	1.08	5.60	1.18	5.96	1.29	6.69	1.51	7.42	1.76
39	3.78	0.75	4.51	0.94	5.24	1.15	5.60	1.26	5.96	1.37	6.69	1.61	7.42	1.88

Note : PI of indoor units is not included in the table.

## 19.4.2 U-5LA1E5

Combination 130%  
Capacity index(kW) 18.20

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	12.3	2.44	14.7	2.68	17.0	2.93	18.2	3.06	19.1	3.19	19.6	3.46	20.0	3.73
12	12.3	2.48	14.7	2.72	17.0	2.98	18.2	3.11	18.9	3.24	19.3	3.52	19.8	3.79
14	12.3	2.52	14.7	2.77	17.0	3.03	18.2	3.16	18.6	3.30	19.1	3.58	19.5	3.86
16	12.3	2.58	14.7	2.84	17.0	3.10	18.2	3.24	18.4	3.38	18.8	3.66	19.3	4.00
18	12.3	2.70	14.7	2.96	17.0	3.24	17.9	3.38	18.1	3.52	18.6	3.89	19.0	4.31
20	12.3	2.71	14.7	2.97	17.0	3.27	17.7	3.45	17.9	3.64	18.3	4.05	18.8	4.50
21	12.3	2.72	14.7	2.99	17.0	3.33	17.5	3.52	17.8	3.72	18.2	4.15	18.7	4.61
23	12.3	2.74	14.7	3.08	17.0	3.45	17.3	3.66	17.5	3.87	18.0	4.33	18.4	4.77
25	12.3	2.82	14.7	3.18	16.8	3.58	17.1	3.80	17.3	4.03	17.7	4.53	18.2	4.91
27	12.3	2.88	14.7	3.27	16.6	3.71	16.8	3.94	17.0	4.19	17.5	4.72	17.9	5.03
29	12.3	2.94	14.7	3.35	16.3	3.82	16.6	4.08	16.8	4.34	17.2	4.91	17.7	5.14
31	12.3	3.00	14.7	3.44	16.1	3.94	16.3	4.22	16.5	4.50	17.0	5.11	17.4	5.24
33	12.3	3.05	14.7	3.53	15.8	4.07	16.1	4.36	16.3	4.66	16.7	5.31	17.2	5.34
35	12.3	3.11	14.7	3.62	15.6	4.20	15.8	4.51	16.0	4.84	16.5	5.41	16.9	5.44
37	12.3	3.16	14.7	3.70	15.3	4.32	15.6	4.65	15.8	5.01	16.2	5.48	16.7	5.51
39	12.3	3.19	14.7	3.77	15.1	4.43	15.3	4.79	15.5	5.17	16.0	5.54	16.4	5.57

Combination 120%  
Capacity index(kW) 16.80

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	11.3	2.15	13.5	2.39	15.7	2.64	16.8	2.77	17.9	2.90	19.3	3.17	19.7	3.44
12	11.3	2.18	13.5	2.42	15.7	2.68	16.8	2.81	17.9	2.94	19.0	3.22	19.4	3.49
14	11.3	2.22	13.5	2.47	15.7	2.73	16.8	2.86	17.9	3.00	18.8	3.28	19.2	3.56
16	11.3	2.24	13.5	2.50	15.7	2.76	16.8	2.90	17.9	3.04	18.5	3.32	18.9	3.66
18	11.3	2.37	13.5	2.63	15.7	2.91	16.8	3.05	17.9	3.19	18.3	3.56	18.7	3.98
20	11.3	2.51	13.5	2.77	15.7	3.07	16.8	3.25	17.6	3.44	18.0	3.85	18.4	4.30
21	11.3	2.55	13.5	2.82	15.7	3.16	16.8	3.35	17.5	3.55	17.9	3.98	18.3	4.44
23	11.3	2.64	13.5	2.98	15.7	3.35	16.8	3.56	17.2	3.77	17.7	4.23	18.1	4.67
25	11.3	2.80	13.5	3.16	15.7	3.56	16.8	3.78	17.0	4.01	17.4	4.51	17.8	4.89
27	11.3	2.86	13.5	3.25	15.7	3.69	16.5	3.92	16.7	4.17	17.2	4.70	17.6	5.01
29	11.3	2.92	13.5	3.33	15.7	3.80	16.3	4.06	16.5	4.32	16.9	4.89	17.3	5.12
31	11.3	2.98	13.5	3.42	15.7	3.92	16.0	4.20	16.3	4.48	16.7	5.09	17.1	5.22
33	11.3	3.03	13.5	3.51	15.6	4.05	15.8	4.34	16.0	4.64	16.4	5.29	16.8	5.32
35	11.3	3.08	13.5	3.59	15.3	4.17	15.5	4.48	15.8	4.81	16.2	5.38	16.6	5.41
37	11.3	3.13	13.5	3.67	15.1	4.29	15.3	4.62	15.5	4.98	15.9	5.45	16.3	5.48
39	11.3	3.17	13.5	3.75	14.8	4.41	15.1	4.77	15.3	5.15	15.7	5.52	16.1	5.55

Combination 110%  
Capacity index(kW) 15.40

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	10.4	1.93	12.4	2.17	14.4	2.42	15.4	2.55	16.4	2.68	18.4	2.95	19.3	3.22
12	10.4	1.96	12.4	2.20	14.4	2.46	15.4	2.59	16.4	2.72	18.4	3.00	19.1	3.27
14	10.4	1.99	12.4	2.24	14.4	2.50	15.4	2.63	16.4	2.77	18.4	3.05	18.8	3.33
16	10.4	2.01	12.4	2.27	14.4	2.53	15.4	2.67	16.4	2.81	18.2	3.09	18.6	3.43
18	10.4	2.05	12.4	2.31	14.4	2.59	15.4	2.73	16.4	2.87	18.0	3.24	18.3	3.66
20	10.4	2.16	12.4	2.42	14.4	2.72	15.4	2.90	16.4	3.09	17.7	3.50	18.1	3.95
21	10.4	2.19	12.4	2.46	14.4	2.80	15.4	2.99	16.4	3.19	17.6	3.62	18.0	4.08
23	10.4	2.25	12.4	2.59	14.4	2.96	15.4	3.17	16.4	3.38	17.3	3.84	17.7	4.28
25	10.4	2.39	12.4	2.75	14.4	3.15	15.4	3.37	16.4	3.60	17.1	4.10	17.5	4.48
27	10.4	2.51	12.4	2.90	14.4	3.34	15.4	3.57	16.4	3.82	16.8	4.35	17.2	4.66
29	10.4	2.65	12.4	3.06	14.4	3.53	15.4	3.79	16.2	4.05	16.6	4.62	17.0	4.85
31	10.4	2.80	12.4	3.24	14.4	3.74	15.4	4.02	16.0	4.30	16.3	4.91	16.7	5.04
33	10.4	2.95	12.4	3.43	14.4	3.97	15.4	4.26	15.7	4.56	16.1	5.21	16.5	5.24
35	10.4	3.06	12.4	3.57	14.4	4.15	15.3	4.46	15.5	4.79	15.8	5.36	16.2	5.39
37	10.4	3.11	12.4	3.65	14.4	4.27	15.0	4.60	15.2	4.96	15.6	5.43	16.0	5.46
39	10.4	3.14	12.4	3.72	14.4	4.38	14.8	4.74	15.0	5.12	15.4	5.49	15.7	5.52

Combination 100%  
Capacity index(kW) 14.00

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	9.45	1.83	11.3	2.07	13.1	2.32	14.0	2.45	14.9	2.58	16.7	2.85	18.6	3.12
12	9.45	1.85	11.3	2.09	13.1	2.35	14.0	2.48	14.9	2.61	16.7	2.89	18.6	3.16
14	9.45	1.87	11.3	2.12	13.1	2.38	14.0	2.51	14.9	2.65	16.7	2.93	18.5	3.21
16	9.45	1.89	11.3	2.15	13.1	2.41	14.0	2.55	14.9	2.69	16.7	2.97	18.2	3.31
18	9.45	1.91	11.3	2.17	13.1	2.45	14.0	2.59	14.9	2.73	16.7	3.10	18.0	3.52
20	9.45	1.94	11.3	2.20	13.1	2.50	14.0	2.68	14.9	2.87	16.7	3.28	17.7	3.73
21	9.45	1.95	11.3	2.22	13.1	2.56	14.0	2.75	14.9	2.95	16.7	3.38	17.6	3.84
23	9.45	1.98	11.3	2.32	13.1	2.69	14.0	2.90	14.9	3.11	16.7	3.57	17.4	4.01
25	9.45	2.07	11.3	2.43	13.1	2.83	14.0	3.05	14.9	3.28	16.7	3.78	17.1	4.16
27	9.45	2.15	11.3	2.54	13.1	2.98	14.0	3.21	14.9	3.46	16.5	3.99	16.9	4.30
29	9.45	2.25	11.3	2.66	13.1	3.13	14.0	3.39	14.9	3.65	16.3	4.22	16.6	4.45
31	9.45	2.35	11.3	2.79	13.1	3.29	14.0	3.57	14.9	3.85	16.0	4.46	16.4	4.59
33	9.45	2.45	11.3	2.93	13.1	3.47	14.0	3.76	14.9	4.06	15.8	4.71	16.1	4.74
35	9.45	2.56	11.3	3.07	13.1	3.65	14.0	3.96	14.9	4.29	15.5	4.86	15.9	4.89
37	9.45	2.68	11.3	3.22	13.1	3.84	14.0	4.17	14.9	4.53	15.3	5.00	15.6	5.03
39	9.45	2.80	11.3	3.38	13.1	4.04	14.0	4.40	14.7	4.78	15.0	5.15	15.4	5.18

Combination 90%  
Capacity index(kW) 12.60

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	8.50	1.63	10.1	1.96	11.8	2.05	12.6	2.11	13.4	2.16	15.1	2.27	16.7	2.38
12	8.50	1.69	10.1	1.99	11.8	2.09	12.6	2.14	13.4	2.19	15.1	2.30	16.7	2.42
14	8.50	1.73	10.1	2.03	11.8	2.13	12.6	2.18	13.4	2.24	15.1	2.35	16.7	2.47
16	8.50	1.75	10.1	2.05	11.8	2.15	12.6	2.21	13.4	2.26	15.1	2.38	16.7	2.50
18	8.50	1.78	10.1	2.08	11.8	2.18	12.6	2.24	13.4	2.30	15.1	2.42	16.7	2.54
20	8.50	1.81	10.1	2.11	11.8	2.22	12.6	2.28	13.4	2.33	15.1	2.46	16.7	2.58
21	8.50	1.84	10.1	2.14	11.8	2.29	12.6	2.34	13.4	2.40	15.1	2.53	16.7	2.65
23	8.50	1.90	10.1	2.21	11.8	2.42	12.6	2.48	13.4	2.54	15.1	2.67	16.7	2.80
25	8.50	2.00	10.1	2.36	11.8	2.56	12.6	2.62	13.4	2.69	15.1	2.84	16.7	3.00
27	8.50	2.09	10.1	2.47	11.8	2.69	12.6	2.77	13.4	2.84	15.1	3.01	16.5	3.19
29	8.50	2.16	10.1	2.54	11.8	2.84	12.6	2.92	13.4	3.00	15.1	3.18	16.3	3.36
31	8.50	2.29	10.1	2.68	11.8	3.01	12.6	3.09	13.4	3.18	15.1	3.37	16.0	3.57
33	8.50	2.36	10.1	2.86	11.8	3.17	12.6	3.26	13.4	3.36	15.1	3.55	15.8	3.77
35	8.50	2.48	10.1	2.98	11.8	3.36	12.6	3.45	13.4	3.55	15.1	3.77	15.5	3.99
37	8.50	2.58	10.1	3.14	11.8	3.54	12.6	3.64	13.4	3.75	15.0	3.97	15.3	4.22
39	8.50	2.73	10.1	3.23	11.8	3.74	12.6	3.85	13.4	3.96	14.7	4.20	15.0	4.47



Combination 80%  
Capacity index(kW) 11.20

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	7.56	1.43	9.02	1.76	10.5	1.85	11.2	1.91	11.9	1.96	13.4	2.07	14.8	2.18
12	7.56	1.48	9.02	1.78	10.5	1.88	11.2	1.93	11.9	1.98	13.4	2.09	14.8	2.21
14	7.56	1.51	9.02	1.81	10.5	1.91	11.2	1.96	11.9	2.02	13.4	2.13	14.8	2.25
16	7.56	1.53	9.02	1.83	10.5	1.93	11.2	1.99	11.9	2.04	13.4	2.16	14.8	2.28
18	7.56	1.56	9.02	1.86	10.5	1.96	11.2	2.02	11.9	2.08	13.4	2.20	14.8	2.32
20	7.56	1.58	9.02	1.88	10.5	1.99	11.2	2.05	11.9	2.10	13.4	2.23	14.8	2.35
21	7.56	1.60	9.02	1.90	10.5	2.02	11.2	2.07	11.9	2.13	13.4	2.26	14.8	2.38
23	7.56	1.67	9.02	2.00	10.5	2.11	11.2	2.17	11.9	2.23	13.4	2.36	14.8	2.49
25	7.56	1.80	9.02	2.11	10.5	2.23	11.2	2.29	11.9	2.36	13.4	2.51	14.8	2.67
27	7.56	1.87	9.02	2.20	10.5	2.33	11.2	2.41	11.9	2.48	13.4	2.65	14.8	2.83
29	7.56	1.98	9.02	2.31	10.5	2.46	11.2	2.54	11.9	2.62	13.4	2.80	14.8	2.98
31	7.56	2.10	9.02	2.44	10.5	2.60	11.2	2.68	11.9	2.77	13.4	2.96	14.8	3.16
33	7.56	2.22	9.02	2.57	10.5	2.74	11.2	2.83	11.9	2.93	13.4	3.12	14.8	3.34
35	7.56	2.34	9.02	2.71	10.5	2.89	11.2	2.98	11.9	3.08	13.4	3.30	14.8	3.52
37	7.56	2.47	9.02	2.84	10.5	3.04	11.2	3.14	11.9	3.25	13.4	3.47	14.8	3.72
39	7.56	2.60	9.02	2.99	10.5	3.20	11.2	3.31	11.9	3.42	13.4	3.66	14.7	3.93

Combination 70%  
Capacity index(kW) 9.80

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	6.61	1.23	7.89	1.56	9.16	1.65	9.80	1.71	10.4	1.76	11.7	1.87	13.0	1.98
12	6.61	1.28	7.89	1.58	9.16	1.68	9.80	1.73	10.4	1.78	11.7	1.89	13.0	2.01
14	6.61	1.30	7.89	1.60	9.16	1.70	9.80	1.75	10.4	1.81	11.7	1.92	13.0	2.04
16	6.61	1.32	7.89	1.62	9.16	1.72	9.80	1.78	10.4	1.83	11.7	1.95	13.0	2.07
18	6.61	1.34	7.89	1.64	9.16	1.74	9.80	1.80	10.4	1.86	11.7	1.98	13.0	2.10
20	6.61	1.36	7.89	1.66	9.16	1.77	9.80	1.83	10.4	1.88	11.7	2.01	13.0	2.13
21	6.61	1.37	7.89	1.67	9.16	1.79	9.80	1.84	10.4	1.90	11.7	2.03	13.0	2.15
23	6.61	1.41	7.89	1.72	9.16	1.83	9.80	1.89	10.4	1.95	11.7	2.08	13.0	2.21
25	6.61	1.50	7.89	1.81	9.16	1.93	9.80	1.99	10.4	2.06	11.7	2.21	13.0	2.37
27	6.61	1.55	7.89	1.88	9.16	2.01	9.80	2.09	10.4	2.16	11.7	2.33	13.0	2.51
29	6.61	1.63	7.89	1.96	9.16	2.11	9.80	2.19	10.4	2.27	11.7	2.45	13.0	2.63
31	6.61	1.73	7.89	2.07	9.16	2.23	9.80	2.31	10.4	2.40	11.7	2.59	13.0	2.79
33	6.61	1.81	7.89	2.16	9.16	2.33	9.80	2.42	10.4	2.52	11.7	2.71	13.0	2.93
35	6.61	1.91	7.89	2.28	9.16	2.46	9.80	2.55	10.4	2.65	11.7	2.87	13.0	3.09
37	6.61	2.01	7.89	2.38	9.16	2.58	9.80	2.68	10.4	2.79	11.7	3.01	13.0	3.26
39	6.61	2.11	7.89	2.50	9.16	2.71	9.80	2.82	10.4	2.93	11.7	3.17	13.0	3.44

Combination 60%  
Capacity index(kW) 8.40

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	5.67	1.03	6.76	1.37	7.85	1.46	8.40	1.52	8.95	1.57	10.0	1.68	11.1	1.79
12	5.67	1.05	6.76	1.39	7.85	1.49	8.40	1.54	8.95	1.59	10.0	1.70	11.1	1.82
14	5.67	1.07	6.76	1.41	7.85	1.51	8.40	1.56	8.95	1.62	10.0	1.73	11.1	1.85
16	5.67	1.08	6.76	1.42	7.85	1.52	8.40	1.58	8.95	1.63	10.0	1.75	11.1	1.87
18	5.67	1.10	6.76	1.44	7.85	1.54	8.40	1.60	8.95	1.66	10.0	1.78	11.1	1.90
20	5.67	1.11	6.76	1.45	7.85	1.56	8.40	1.62	8.95	1.67	10.0	1.80	11.1	1.92
21	5.67	1.12	6.76	1.46	7.85	1.58	8.40	1.63	8.95	1.69	10.0	1.82	11.1	1.94
23	5.67	1.14	6.76	1.48	7.85	1.59	8.40	1.65	8.95	1.71	10.0	1.84	11.1	1.97
25	5.67	1.19	6.76	1.53	7.85	1.65	8.40	1.71	8.95	1.78	10.0	1.93	11.1	2.09
27	5.67	1.24	6.76	1.58	7.85	1.71	8.40	1.79	8.95	1.86	10.0	2.03	11.1	2.21
29	5.67	1.31	6.76	1.65	7.85	1.80	8.40	1.88	8.95	1.96	10.0	2.14	11.1	2.32
31	5.67	1.39	6.76	1.73	7.85	1.89	8.40	1.97	8.95	2.06	10.0	2.25	11.1	2.45
33	5.67	1.45	6.76	1.80	7.85	1.97	8.40	2.06	8.95	2.16	10.0	2.35	11.1	2.57
35	5.67	1.54	6.76	1.89	7.85	2.07	8.40	2.16	8.95	2.26	10.0	2.48	11.1	2.70
37	5.67	1.62	6.76	1.97	7.85	2.17	8.40	2.27	8.95	2.38	10.0	2.60	11.1	2.85
39	5.67	1.71	6.76	2.06	7.85	2.27	8.40	2.38	8.95	2.49	10.0	2.73	11.1	3.00

Combination 50%  
Capacity index(kW) 7.00

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	4.72	0.85	5.63	0.94	6.54	1.03	7.00	1.09	7.46	1.14	8.37	1.25	9.28	1.36
12	4.72	0.85	5.63	0.95	6.54	1.05	7.00	1.10	7.46	1.15	8.37	1.26	9.28	1.38
14	4.72	0.87	5.63	0.97	6.54	1.07	7.00	1.12	7.46	1.18	8.37	1.29	9.28	1.41
16	4.72	0.88	5.63	0.98	6.54	1.08	7.00	1.14	7.46	1.19	8.37	1.31	9.28	1.43
18	4.72	0.89	5.63	0.99	6.54	1.09	7.00	1.15	7.46	1.21	8.37	1.33	9.28	1.45
20	4.72	0.90	5.63	1.00	6.54	1.11	7.00	1.17	7.46	1.22	8.37	1.35	9.28	1.47
21	4.72	0.90	5.63	1.00	6.54	1.12	7.00	1.17	7.46	1.23	8.37	1.36	9.28	1.48
23	4.72	0.91	5.63	1.02	6.54	1.13	7.00	1.19	7.46	1.25	8.37	1.38	9.28	1.51
25	4.72	0.92	5.63	1.03	6.54	1.15	7.00	1.21	7.46	1.28	8.37	1.43	9.28	1.59
27	4.72	0.93	5.63	1.06	6.54	1.19	7.00	1.27	7.46	1.34	8.37	1.51	9.28	1.69
29	4.72	0.97	5.63	1.10	6.54	1.25	7.00	1.33	7.46	1.41	8.37	1.59	9.28	1.77
31	4.72	1.01	5.63	1.15	6.54	1.31	7.00	1.39	7.46	1.48	8.37	1.67	9.28	1.87
33	4.72	1.05	5.63	1.20	6.54	1.37	7.00	1.46	7.46	1.56	8.37	1.75	9.28	1.97
35	4.72	1.09	5.63	1.26	6.54	1.44	7.00	1.53	7.46	1.63	8.37	1.85	9.28	2.07
37	4.72	1.14	5.63	1.31	6.54	1.51	7.00	1.61	7.46	1.72	8.37	1.94	9.28	2.19
39	4.72	1.18	5.63	1.37	6.54	1.58	7.00	1.69	7.46	1.80	8.37	2.04	9.28	2.31

Note : PI of indoor units is not included in the table.

### 19.4.3 U-6LA1E5

Combination 130%  
Capacity index(kW) 20.15

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	13.6	3.02	16.2	3.26	18.8	3.51	20.2	3.64	20.4	3.77	20.9	4.04	21.4	4.31
12	13.6	3.04	16.2	3.28	18.8	3.54	19.9	3.67	20.1	3.80	20.6	4.08	21.1	4.35
14	13.6	3.06	16.2	3.31	18.8	3.57	19.6	3.70	19.9	3.84	20.4	4.12	20.9	4.40
16	13.6	3.08	16.2	3.34	18.8	3.60	19.4	3.74	19.6	3.88	20.1	4.16	20.6	4.50
18	13.6	3.10	16.2	3.36	18.8	3.64	19.1	3.78	19.3	3.92	19.8	4.29	20.3	4.71
20	13.6	3.13	16.2	3.39	18.6	3.69	18.8	3.87	19.1	4.06	19.6	4.47	20.1	4.92
21	13.6	3.14	16.2	3.41	18.5	3.75	18.7	3.94	19.0	4.14	19.4	4.57	19.9	5.03
23	13.6	3.17	16.2	3.51	18.2	3.88	18.4	4.09	18.7	4.30	19.2	4.76	19.7	5.20
25	13.6	3.26	16.2	3.62	17.9	4.02	18.2	4.24	18.4	4.47	18.9	4.97	19.4	5.35
27	13.6	3.34	16.2	3.73	17.7	4.17	17.9	4.40	18.2	4.65	18.7	5.18	19.1	5.49
29	13.6	3.44	16.2	3.85	17.4	4.32	17.7	4.58	17.9	4.84	18.4	5.41	18.9	5.64
31	13.6	3.54	16.2	3.98	17.2	4.48	17.4	4.76	17.6	5.04	18.1	5.65	18.6	5.78
33	13.6	3.64	16.2	4.12	16.9	4.66	17.1	4.95	17.4	5.25	17.9	5.90	18.4	5.93
35	13.6	3.75	16.1	4.26	16.6	4.84	16.9	5.15	17.1	5.48	17.6	6.05	18.1	6.08
37	13.6	3.83	15.9	4.37	16.4	4.99	16.6	5.32	16.9	5.63	17.3	6.10	17.8	6.13
39	13.6	3.90	15.6	4.48	16.1	5.14	16.4	5.50	16.6	5.78	17.1	6.15	17.6	6.18

Combination 120%  
Capacity index(kW) 18.60

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	12.6	2.99	15.0	3.23	17.4	3.48	18.6	3.61	19.8	3.74	20.5	4.01	21.0	4.28
12	12.6	3.01	15.0	3.25	17.4	3.51	18.6	3.64	19.8	3.77	20.3	4.05	20.7	4.32
14	12.6	3.03	15.0	3.28	17.4	3.54	18.6	3.67	19.6	3.81	20.0	4.09	20.5	4.37
16	12.6	3.05	15.0	3.31	17.4	3.57	18.6	3.71	19.3	3.85	19.8	4.13	20.2	4.47
18	12.6	3.07	15.0	3.33	17.4	3.61	18.6	3.75	19.0	3.89	19.5	4.26	19.9	4.68
20	12.6	3.10	15.0	3.36	17.4	3.66	18.6	3.84	18.8	4.03	19.2	4.44	19.7	4.89
21	12.6	3.11	15.0	3.38	17.4	3.72	18.4	3.91	18.6	4.11	19.1	4.54	19.6	5.00
23	12.6	3.14	15.0	3.48	17.4	3.85	18.2	4.06	18.4	4.27	18.8	4.73	19.3	5.17
25	12.6	3.23	15.0	3.59	17.4	3.99	17.9	4.21	18.1	4.44	18.6	4.94	19.0	5.32
27	12.6	3.31	15.0	3.70	17.4	4.14	17.6	4.37	17.9	4.62	18.3	5.15	18.8	5.46
29	12.6	3.41	15.0	3.82	17.1	4.29	17.4	4.55	17.6	4.81	18.1	5.38	18.5	5.61
31	12.6	3.51	15.0	3.95	16.9	4.45	17.1	4.73	17.3	5.01	17.8	5.62	18.2	5.75
33	12.6	3.61	15.0	4.09	16.6	4.63	16.8	4.92	17.1	5.22	17.5	5.87	18.0	5.90
35	12.6	3.72	15.0	4.23	16.4	4.81	16.6	5.12	16.8	5.45	17.3	6.02	17.7	6.05
37	12.6	3.73	15.0	4.27	16.1	4.89	16.3	5.22	16.5	5.58	17.0	6.05	17.5	6.08
39	12.6	3.74	15.0	4.32	15.8	4.98	16.1	5.34	16.3	5.72	16.7	6.09	17.2	6.12

Combination 110%  
Capacity index(kW) 17.05

TC : Total Capacity (kW) 、 PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	11.5	2.96	13.7	3.20	15.9	3.45	17.1	3.58	18.2	3.71	20.2	3.98	20.6	4.25
12	11.5	2.98	13.7	3.22	15.9	3.48	17.1	3.61	18.2	3.74	19.9	4.02	20.3	4.29
14	11.5	3.00	13.7	3.25	15.9	3.51	17.1	3.64	18.2	3.78	19.7	4.06	20.1	4.34
16	11.5	3.02	13.7	3.28	15.9	3.54	17.1	3.68	18.2	3.82	19.4	4.10	19.8	4.44
18	11.5	3.04	13.7	3.30	15.9	3.58	17.1	3.72	18.2	3.86	19.1	4.23	19.6	4.65
20	11.5	3.07	13.7	3.33	15.9	3.63	17.1	3.81	18.2	4.00	18.9	4.41	19.3	4.86
21	11.5	3.08	13.7	3.35	15.9	3.69	17.1	3.88	18.2	4.08	18.8	4.51	19.2	4.97
23	11.5	3.11	13.7	3.45	15.9	3.82	17.1	4.03	18.1	4.24	18.5	4.70	18.9	5.14
25	11.5	3.20	13.7	3.56	15.9	3.96	17.1	4.18	17.8	4.41	18.2	4.91	18.6	5.29
27	11.5	3.28	13.7	3.67	15.9	4.11	17.1	4.34	17.6	4.59	18.0	5.12	18.4	5.43
29	11.5	3.38	13.7	3.79	15.9	4.26	17.1	4.52	17.3	4.78	17.7	5.35	18.1	5.58
31	11.5	3.48	13.7	3.92	15.9	4.42	16.8	4.70	17.0	4.98	17.4	5.59	17.9	5.72
33	11.5	3.58	13.7	4.06	15.9	4.60	16.6	4.89	16.8	5.19	17.2	5.84	17.6	5.87
35	11.5	3.69	13.7	4.20	15.9	4.78	16.3	5.09	16.5	5.42	16.9	5.99	17.3	6.02
37	11.5	3.70	13.7	4.24	15.8	4.86	16.0	5.19	16.2	5.55	16.7	6.02	17.1	6.05
39	11.5	3.69	13.7	4.27	15.6	4.93	15.8	5.29	16.0	5.67	16.4	6.04	16.8	6.07

Combination 100%  
Capacity index(kW) 15.50

TC : Total Capacity (kW) 、 PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	10.5	2.66	12.5	2.90	14.5	3.15	15.5	3.28	16.5	3.41	18.5	3.68	20.2	3.95
12	10.5	2.68	12.5	2.92	14.5	3.18	15.5	3.31	16.5	3.44	18.5	3.72	20.0	3.99
14	10.5	2.70	12.5	2.95	14.5	3.21	15.5	3.34	16.5	3.48	18.5	3.76	19.7	4.04
16	10.5	2.72	12.5	2.98	14.5	3.24	15.5	3.38	16.5	3.52	18.5	3.80	19.4	4.14
18	10.5	2.74	12.5	3.00	14.5	3.28	15.5	3.42	16.5	3.56	18.5	3.93	19.2	4.35
20	10.5	2.77	12.5	3.03	14.5	3.33	15.5	3.51	16.5	3.70	18.5	4.11	18.9	4.56
21	10.5	2.78	12.5	3.05	14.5	3.39	15.5	3.58	16.5	3.78	18.4	4.21	18.8	4.67
23	10.5	2.81	12.5	3.15	14.5	3.52	15.5	3.73	16.5	3.94	18.1	4.40	18.5	4.84
25	10.5	2.90	12.5	3.26	14.5	3.66	15.5	3.88	16.5	4.11	17.9	4.61	18.3	4.99
27	10.5	2.98	12.5	3.37	14.5	3.81	15.5	4.04	16.5	4.29	17.6	4.82	18.0	5.13
29	10.5	3.08	12.5	3.49	14.5	3.96	15.5	4.22	16.5	4.48	17.4	5.05	17.7	5.28
31	10.5	3.18	12.5	3.62	14.5	4.12	15.5	4.40	16.5	4.68	17.1	5.29	17.5	5.42
33	10.5	3.28	12.5	3.76	14.5	4.30	15.5	4.59	16.5	4.89	16.8	5.54	17.2	5.57
35	10.5	3.39	12.5	3.90	14.5	4.48	15.5	4.79	16.2	5.12	16.6	5.69	16.9	5.72
37	10.5	3.51	12.5	4.05	14.5	4.67	15.5	5.00	15.9	5.36	16.3	5.83	16.7	5.86
39	10.5	3.63	12.5	4.21	14.5	4.87	15.5	5.23	15.7	5.61	16.0	5.98	16.4	6.01

Combination 90%  
Capacity index(kW) 13.95

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	9.41	2.36	11.2	2.46	13.0	2.55	14.0	2.61	14.9	2.74	16.7	3.01	18.5	3.28
12	9.41	2.40	11.2	2.50	13.0	2.60	14.0	2.65	14.9	2.78	16.7	3.06	18.5	3.33
14	9.41	2.44	11.2	2.54	13.0	2.64	14.0	2.69	14.9	2.83	16.7	3.11	18.5	3.39
16	9.41	2.47	11.2	2.57	13.0	2.67	14.0	2.73	14.9	2.87	16.7	3.15	18.5	3.49
18	9.41	2.52	11.2	2.62	13.0	2.72	14.0	2.78	14.9	2.92	16.7	3.29	18.5	3.71
20	9.41	2.55	11.2	2.65	13.0	2.76	14.0	2.82	14.9	3.01	16.7	3.42	18.5	3.87
21	9.41	2.63	11.2	2.73	13.0	2.85	14.0	2.90	14.9	3.10	16.7	3.53	18.4	3.99
23	9.41	2.70	11.2	2.91	13.0	3.02	14.0	3.08	14.9	3.29	16.7	3.75	18.1	4.19
25	9.41	2.77	11.2	3.08	13.0	3.20	14.0	3.26	14.9	3.49	16.7	3.99	17.9	4.37
27	9.41	2.91	11.2	3.24	13.0	3.37	14.0	3.45	14.9	3.70	16.7	4.23	17.6	4.54
29	9.41	3.02	11.2	3.42	13.0	3.57	14.0	3.65	14.9	3.91	16.7	4.48	17.4	4.71
31	9.41	3.09	11.2	3.53	13.0	3.79	14.0	3.87	14.9	4.15	16.7	4.76	17.1	4.89
33	9.41	3.18	11.2	3.63	13.0	3.90	14.0	3.99	14.9	4.29	16.5	4.94	16.8	4.97
35	9.41	3.29	11.2	3.76	13.0	4.04	14.0	4.13	14.9	4.46	16.2	5.03	16.6	5.06
37	9.41	3.41	11.2	3.98	13.0	4.28	14.0	4.38	14.9	4.74	16.0	5.21	16.3	5.24
39	9.41	3.54	11.2	4.13	13.0	4.54	14.0	4.65	14.9	5.03	15.7	5.40	16.0	5.43

Combination 80%  
Capacity index(kW) 12.40

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	8.37	2.06	10.0	2.15	11.6	2.24	12.4	2.30	13.2	2.43	14.8	2.70	16.4	2.97
12	8.37	2.08	10.0	2.18	11.6	2.28	12.4	2.33	13.2	2.46	14.8	2.74	16.4	3.01
14	8.37	2.12	10.0	2.22	11.6	2.32	12.4	2.37	13.2	2.51	14.8	2.79	16.4	3.07
16	8.37	2.15	10.0	2.25	11.6	2.35	12.4	2.41	13.2	2.55	14.8	2.83	16.4	3.17
18	8.37	2.19	10.0	2.29	11.6	2.39	12.4	2.45	13.2	2.59	14.8	2.96	16.4	3.38
20	8.37	2.21	10.0	2.31	11.6	2.42	12.4	2.48	13.2	2.67	14.8	3.08	16.4	3.53
21	8.37	2.24	10.0	2.34	11.6	2.46	12.4	2.51	13.2	2.71	14.8	3.14	16.4	3.60
23	8.37	2.36	10.0	2.47	11.6	2.58	12.4	2.64	13.2	2.85	14.8	3.31	16.4	3.75
25	8.37	2.50	10.0	2.61	11.6	2.73	12.4	2.79	13.2	3.02	14.8	3.52	16.4	3.90
27	8.37	2.61	10.0	2.74	11.6	2.87	12.4	2.95	13.2	3.20	14.8	3.73	16.4	4.04
29	8.37	2.76	10.0	2.89	11.6	3.04	12.4	3.12	13.2	3.38	14.8	3.95	16.4	4.18
31	8.37	2.92	10.0	3.06	11.6	3.22	12.4	3.30	13.2	3.58	14.8	4.19	16.4	4.32
33	8.37	3.02	10.0	3.17	11.6	3.34	12.4	3.43	13.2	3.73	14.8	4.38	16.4	4.41
35	8.37	3.08	10.0	3.25	11.6	3.43	12.4	3.52	13.2	3.85	14.8	4.42	16.2	4.45
37	8.37	3.26	10.0	3.43	11.6	3.63	12.4	3.73	13.2	4.09	14.8	4.56	15.9	4.59
39	8.37	3.44	10.0	3.63	11.6	3.84	12.4	3.95	13.2	4.33	14.8	4.70	15.7	4.73

Combination 70%  
Capacity index(kW) 10.85

TC : Total Capacity (kW) 、 PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	7.32	1.76	8.73	1.85	10.1	1.94	10.9	2.00	11.6	2.13	13.0	2.40	14.4	2.67
12	7.32	1.78	8.73	1.88	10.1	1.98	10.9	2.03	11.6	2.16	13.0	2.44	14.4	2.71
14	7.32	1.81	8.73	1.91	10.1	2.01	10.9	2.06	11.6	2.20	13.0	2.48	14.4	2.76
16	7.32	1.83	8.73	1.93	10.1	2.03	10.9	2.09	11.6	2.23	13.0	2.51	14.4	2.85
18	7.32	1.86	8.73	1.96	10.1	2.06	10.9	2.12	11.6	2.26	13.0	2.63	14.4	3.05
20	7.32	1.89	8.73	1.99	10.1	2.10	10.9	2.16	11.6	2.35	13.0	2.76	14.4	3.21
21	7.32	1.91	8.73	2.01	10.1	2.13	10.9	2.18	11.6	2.38	13.0	2.81	14.4	3.27
23	7.32	1.96	8.73	2.07	10.1	2.18	10.9	2.24	11.6	2.45	13.0	2.91	14.4	3.35
25	7.32	2.07	8.73	2.18	10.1	2.30	10.9	2.36	11.6	2.59	13.0	3.09	14.4	3.47
27	7.32	2.15	8.73	2.28	10.1	2.41	10.9	2.49	11.6	2.74	13.0	3.27	14.4	3.58
29	7.32	2.27	8.73	2.40	10.1	2.55	10.9	2.63	11.6	2.89	13.0	3.46	14.4	3.69
31	7.32	2.39	8.73	2.53	10.1	2.69	10.9	2.77	11.6	3.05	13.0	3.66	14.4	3.79
33	7.32	2.46	8.73	2.61	10.1	2.78	10.9	2.87	11.6	3.17	13.0	3.82	14.4	3.85
35	7.32	2.53	8.73	2.70	10.1	2.88	10.9	2.97	11.6	3.30	13.0	3.87	14.4	3.90
37	7.32	2.67	8.73	2.84	10.1	3.04	10.9	3.14	11.6	3.50	13.0	3.97	14.4	4.00
39	7.32	2.81	8.73	3.00	10.1	3.21	10.9	3.32	11.6	3.70	13.0	4.07	14.4	4.10

Combination 60%  
Capacity index(kW) 9.30

TC : Total Capacity (kW) 、 PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	6.28	1.46	7.49	1.55	8.70	1.64	9.30	1.70	9.90	1.83	11.1	2.10	12.3	2.37
12	6.28	1.47	7.49	1.57	8.70	1.67	9.30	1.72	9.90	1.85	11.1	2.13	12.3	2.40
14	6.28	1.50	7.49	1.60	8.70	1.70	9.30	1.75	9.90	1.89	11.1	2.17	12.3	2.45
16	6.28	1.51	7.49	1.61	8.70	1.71	9.30	1.77	9.90	1.91	11.1	2.19	12.3	2.53
18	6.28	1.54	7.49	1.64	8.70	1.74	9.30	1.80	9.90	1.94	11.1	2.31	12.3	2.73
20	6.28	1.56	7.49	1.66	8.70	1.77	9.30	1.83	9.90	2.02	11.1	2.43	12.3	2.88
21	6.28	1.57	7.49	1.67	8.70	1.79	9.30	1.84	9.90	2.04	11.1	2.47	12.3	2.93
23	6.28	1.59	7.49	1.70	8.70	1.81	9.30	1.87	9.90	2.08	11.1	2.54	12.3	2.98
25	6.28	1.66	7.49	1.77	8.70	1.89	9.30	1.95	9.90	2.18	11.1	2.68	12.3	3.06
27	6.28	1.71	7.49	1.84	8.70	1.97	9.30	2.05	9.90	2.30	11.1	2.83	12.3	3.14
29	6.28	1.79	7.49	1.92	8.70	2.07	9.30	2.15	9.90	2.41	11.1	2.98	12.3	3.21
31	6.28	1.87	7.49	2.01	8.70	2.17	9.30	2.25	9.90	2.53	11.1	3.14	12.3	3.27
33	6.28	1.95	7.49	2.10	8.70	2.27	9.30	2.36	9.90	2.66	11.1	3.31	12.3	3.34
35	6.28	2.03	7.49	2.20	8.70	2.38	9.30	2.47	9.90	2.80	11.1	3.37	12.3	3.40
37	6.28	2.13	7.49	2.30	8.70	2.50	9.30	2.60	9.90	2.96	11.1	3.43	12.3	3.46
39	6.28	2.24	7.49	2.43	8.70	2.64	9.30	2.75	9.90	3.13	11.1	3.50	12.3	3.53

Combination 50%  
Capacity index(kW) 7.75

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	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
10	5.23	1.18	6.24	1.27	7.25	1.36	7.75	1.42	8.25	1.47	9.26	1.58	10.3	1.69
12	5.23	1.18	6.24	1.28	7.25	1.38	7.75	1.43	8.25	1.48	9.26	1.59	10.3	1.71
14	5.23	1.20	6.24	1.30	7.25	1.40	7.75	1.45	8.25	1.51	9.26	1.62	10.3	1.74
16	5.23	1.21	6.24	1.31	7.25	1.41	7.75	1.47	8.25	1.52	9.26	1.64	10.3	1.76
18	5.23	1.22	6.24	1.32	7.25	1.42	7.75	1.48	8.25	1.54	9.26	1.66	10.3	1.78
20	5.23	1.23	6.24	1.33	7.25	1.44	7.75	1.50	8.25	1.55	9.26	1.68	10.3	1.80
21	5.23	1.23	6.24	1.33	7.25	1.45	7.75	1.50	8.25	1.56	9.26	1.69	10.3	1.81
23	5.23	1.24	6.24	1.35	7.25	1.46	7.75	1.52	8.25	1.58	9.26	1.71	10.3	1.84
25	5.23	1.25	6.24	1.36	7.25	1.48	7.75	1.54	8.25	1.61	9.26	1.76	10.3	1.92
27	5.23	1.26	6.24	1.39	7.25	1.52	7.75	1.60	8.25	1.67	9.26	1.84	10.3	2.02
29	5.23	1.30	6.24	1.43	7.25	1.58	7.75	1.66	8.25	1.74	9.26	1.92	10.3	2.10
31	5.23	1.34	6.24	1.48	7.25	1.64	7.75	1.72	8.25	1.81	9.26	2.00	10.3	2.20
33	5.23	1.38	6.24	1.53	7.25	1.70	7.75	1.79	8.25	1.89	9.26	2.08	10.3	2.30
35	5.23	1.42	6.24	1.59	7.25	1.77	7.75	1.86	8.25	1.96	9.26	2.18	10.3	2.40
37	5.23	1.47	6.24	1.64	7.25	1.84	7.75	1.94	8.25	2.05	9.26	2.27	10.3	2.52
39	5.23	1.51	6.24	1.70	7.25	1.91	7.75	2.02	8.25	2.13	9.26	2.37	10.3	2.64

Note : PI of indoor units is not included in the table.

## 19.5 Heating Capacity Tables

### 19.5.1 U-4LA1E5

Combination 130%  
Capacity index(kW) 16.25

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	11.7	3.67	11.7	3.76	11.7	3.85	11.6	3.89	11.6	3.94	11.6	3.65
-13	12.3	3.78	12.3	3.86	12.3	3.94	12.3	3.95	12.2	3.77	12.2	3.41
-11	12.9	4.02	12.9	4.10	12.9	4.03	12.9	3.85	12.9	3.68	12.8	3.35
-10	13.2	4.10	13.2	4.17	13.2	4.07	13.2	3.90	13.2	3.74	13.1	3.41
-9.1	13.5	4.17	13.5	4.20	13.5	4.10	13.4	3.94	13.4	3.78	13.4	3.46
-7.6	14.0	4.46	13.9	4.26	13.9	4.16	13.9	4.00	13.9	3.85	13.9	3.56
-5.6	14.6	4.61	14.6	4.31	14.5	4.23	14.5	4.09	14.5	3.95	14.2	3.67
-3.7	15.2	4.64	15.1	4.36	15.1	4.28	15.1	4.14	15.1	4.01	14.2	3.75
-0.7	16.1	4.69	16.1	4.43	16.0	4.37	15.7	4.25	15.2	4.13	14.2	3.89
2.2	17.0	4.65	16.9	4.41	16.3	4.17	15.7	4.05	15.2	3.94	14.2	3.72
4.1	17.6	4.44	17.3	4.21	16.3	3.99	15.7	3.88	15.2	3.77	14.2	3.56
6	18.1	4.26	17.3	4.04	16.3	3.83	15.7	3.73	15.2	3.62	14.2	3.42
7.9	18.3	4.09	17.3	3.88	16.3	3.68	15.7	3.58	15.2	3.48	14.2	3.29
9.8	18.3	3.94	17.3	3.74	16.3	3.54	15.7	3.45	15.2	3.35	14.2	3.17
11.8	18.3	3.78	17.3	3.59	16.3	3.40	15.7	3.31	15.2	3.22	14.2	3.04
13.7	18.3	3.65	17.3	3.47	16.3	3.29	15.7	3.20	15.2	3.12	14.2	2.95

Combination 120%  
Capacity index(kW) 15.00

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	11.7	3.80	11.6	3.89	11.6	3.98	11.6	4.02	11.6	4.07	11.6	3.78
-13	12.3	3.91	12.3	3.99	12.2	4.07	12.2	4.08	12.2	3.90	12.2	3.54
-11	12.9	4.14	12.9	4.22	12.8	4.15	12.8	3.97	12.8	3.80	12.8	3.47
-10	13.2	4.22	13.2	4.29	13.2	4.19	13.1	4.02	13.1	3.86	13.1	3.53
-9.1	13.5	4.29	13.5	4.32	13.4	4.22	13.4	4.06	13.4	3.90	13.1	3.58
-7.6	13.9	4.57	13.9	4.37	13.9	4.27	13.9	4.11	13.9	3.96	13.1	3.67
-5.6	14.5	4.65	14.5	4.40	14.5	4.33	14.5	4.19	14.0	4.05	13.1	3.77
-3.7	15.1	4.70	15.1	4.42	15.0	4.35	14.5	4.21	14.0	4.08	13.1	3.82
-0.7	16.0	4.36	16.0	4.10	15.0	4.03	14.5	3.91	14.0	3.79	13.1	3.55
2.2	16.9	4.24	16.0	4.00	15.0	3.76	14.5	3.64	14.0	3.53	13.1	3.31
4.1	16.9	4.06	16.0	3.83	15.0	3.61	14.5	3.50	14.0	3.39	13.1	3.18
6	16.9	3.89	16.0	3.67	15.0	3.46	14.5	3.36	14.0	3.25	13.1	3.05
7.9	16.9	3.74	16.0	3.53	15.0	3.33	14.5	3.23	14.0	3.13	13.1	2.94
9.8	16.9	3.61	16.0	3.41	15.0	3.21	14.5	3.12	14.0	3.02	13.1	2.84
11.8	16.9	3.47	16.0	3.28	15.0	3.09	14.5	3.00	14.0	2.91	13.1	2.73
13.7	16.9	3.34	16.0	3.16	15.0	2.98	14.5	2.89	14.0	2.81	13.1	2.64

Combination 110%  
Capacity index(kW) 13.75

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	11.6	3.94	11.6	4.03	11.6	4.12	11.6	4.16	11.6	4.21	11.5	3.92
-13	12.2	4.04	12.2	4.12	12.2	4.20	12.2	4.21	12.2	4.03	12.0	3.67
-11	12.9	4.27	12.8	4.35	12.8	4.28	12.8	4.10	12.8	3.93	12.0	3.60
-10	13.2	4.34	13.1	4.41	13.1	4.31	13.1	4.14	12.9	3.98	12.0	3.65
-9.1	13.4	4.41	13.4	4.44	13.4	4.34	13.3	4.18	12.9	4.02	12.0	3.70
-7.6	13.9	4.64	13.9	4.44	13.8	4.34	13.3	4.18	12.9	4.03	12.0	3.74
-5.6	14.5	4.47	14.5	4.17	13.8	4.10	13.3	3.96	12.9	3.82	12.0	3.54
-3.7	15.1	4.25	14.6	3.97	13.8	3.90	13.3	3.76	12.9	3.63	12.0	3.37
-0.7	15.5	3.94	14.6	3.68	13.8	3.61	13.3	3.49	12.9	3.37	12.0	3.13
2.2	15.5	3.86	14.6	3.62	13.8	3.38	13.3	3.26	12.9	3.15	12.0	2.93
4.1	15.5	3.69	14.6	3.46	13.8	3.24	13.3	3.13	12.9	3.02	12.0	2.81
6	15.5	3.54	14.6	3.32	13.8	3.11	13.3	3.01	12.9	2.90	12.0	2.70
7.9	15.5	3.41	14.6	3.20	13.8	3.00	13.3	2.90	12.9	2.80	12.0	2.61
9.8	15.5	3.29	14.6	3.09	13.8	2.89	13.3	2.80	12.9	2.70	12.0	2.52
11.8	15.5	3.16	14.6	2.97	13.8	2.78	13.3	2.69	12.9	2.60	12.0	2.42
13.7	15.5	3.05	14.6	2.87	13.8	2.69	13.3	2.60	12.9	2.52	12.0	2.35



Combination 100%  
Capacity index(kW) 12.50

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	11.6	4.08	11.6	4.17	11.6	4.26	11.5	4.30	11.5	4.35	10.9	4.06
-13	12.2	4.17	12.2	4.25	12.2	4.33	12.1	4.34	11.7	4.16	10.9	3.80
-11	12.8	4.24	12.8	4.32	12.5	4.25	12.1	4.07	11.7	3.90	10.9	3.57
-10	13.1	4.28	13.1	4.35	12.5	4.12	12.1	3.95	11.7	3.79	10.9	3.46
-9.1	13.4	4.31	13.3	4.34	12.5	4.01	12.1	3.85	11.7	3.69	10.9	3.37
-7.6	13.9	4.35	13.3	4.15	12.5	3.84	12.1	3.68	11.7	3.53	10.9	3.24
-5.6	14.1	4.23	13.3	3.93	12.5	3.63	12.1	3.49	11.7	3.35	10.9	3.07
-3.7	14.1	4.02	13.3	3.74	12.5	3.46	12.1	3.32	11.7	3.19	10.9	2.93
-0.7	14.1	3.73	13.3	3.47	12.5	3.21	12.1	3.09	11.7	2.97	10.9	2.73
2.2	14.1	3.49	13.3	3.25	12.5	3.01	12.1	2.89	11.7	2.78	10.9	2.56
4.1	14.1	3.34	13.3	3.11	12.5	2.89	12.1	2.78	11.7	2.67	10.9	2.46
6	14.1	3.21	13.3	2.99	12.5	2.78	12.1	2.68	11.7	2.57	10.9	2.37
7.9	14.1	3.09	13.3	2.88	12.5	2.68	12.1	2.58	11.7	2.48	10.9	2.29
9.8	14.1	2.98	13.3	2.78	12.5	2.58	12.1	2.49	11.7	2.39	10.9	2.21
11.8	14.1	2.87	13.3	2.68	12.5	2.49	12.1	2.40	11.7	2.31	10.9	2.13
13.7	14.1	2.77	13.3	2.59	12.5	2.41	12.1	2.32	11.7	2.24	10.9	2.07

Combination 90%  
Capacity index(kW) 11.25

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	11.6	4.24	11.5	4.32	11.3	4.23	10.9	4.15	10.5	4.08	9.80	3.94
-13	12.2	4.18	12.0	4.04	11.3	3.96	10.9	3.89	10.5	3.82	9.80	3.69
-11	12.7	3.91	12.0	3.78	11.3	3.71	10.9	3.64	10.5	3.58	9.80	3.45
-10	12.7	3.95	12.0	3.83	11.3	3.60	10.9	3.54	10.5	3.48	9.80	3.35
-9.1	12.7	3.97	12.0	3.84	11.3	3.51	10.9	3.45	10.5	3.39	9.80	3.27
-7.6	12.7	3.80	12.0	3.68	11.3	3.37	10.9	3.31	10.5	3.25	9.80	3.14
-5.6	12.7	3.59	12.0	3.49	11.3	3.19	10.9	3.13	10.5	3.08	9.80	2.97
-3.7	12.7	3.43	12.0	3.32	11.3	3.04	10.9	2.99	10.5	2.94	9.80	2.84
-0.7	12.7	3.18	12.0	3.09	11.3	2.83	10.9	2.78	10.5	2.74	9.80	2.64
2.2	12.7	3.00	12.0	2.90	11.3	2.66	10.9	2.62	10.5	2.57	9.80	2.49
4.1	12.7	2.86	12.0	2.77	11.3	2.55	10.9	2.50	10.5	2.46	9.80	2.38
6	12.7	2.76	12.0	2.67	11.3	2.46	10.9	2.42	10.5	2.38	9.80	2.30
7.9	12.7	2.65	12.0	2.57	11.3	2.37	10.9	2.34	10.5	2.30	9.80	2.22
9.8	12.7	2.57	12.0	2.49	11.3	2.29	10.9	2.25	10.5	2.21	9.80	2.14
11.8	12.7	2.48	12.0	2.40	11.3	2.21	10.9	2.18	10.5	2.14	9.80	2.07
13.7	12.7	2.39	12.0	2.32	11.3	2.14	10.9	2.10	10.5	2.07	9.80	2.00

Combination 80%  
Capacity index(kW) 10.00

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	11.3	3.94	10.6	3.79	10.0	3.64	9.68	3.56	9.36	3.49	8.71	3.35
-13	11.3	3.69	10.6	3.55	10.0	3.41	9.68	3.34	9.36	3.27	8.71	3.14
-11	11.3	3.47	10.6	3.34	10.0	3.21	9.68	3.14	9.36	3.08	8.71	2.95
-10	11.3	3.37	10.6	3.25	10.0	3.12	9.68	3.06	9.36	3.00	8.71	2.87
-9.1	11.3	3.29	10.6	3.16	10.0	3.04	9.68	2.98	9.36	2.92	8.71	2.80
-7.6	11.3	3.15	10.6	3.03	10.0	2.92	9.68	2.86	9.36	2.80	8.71	2.69
-5.6	11.3	2.98	10.6	2.88	10.0	2.77	9.68	2.71	9.36	2.66	8.71	2.55
-3.7	11.3	2.87	10.6	2.76	10.0	2.65	9.68	2.60	9.36	2.55	8.71	2.45
-0.7	11.3	2.66	10.6	2.57	10.0	2.47	9.68	2.42	9.36	2.38	8.71	2.28
2.2	11.3	2.51	10.6	2.41	10.0	2.32	9.68	2.28	9.36	2.23	8.71	2.15
4.1	11.3	2.40	10.6	2.31	10.0	2.23	9.68	2.18	9.36	2.14	8.71	2.06
6	11.3	2.33	10.6	2.24	10.0	2.15	9.68	2.11	9.36	2.07	8.71	1.99
7.9	11.3	2.24	10.6	2.16	10.0	2.08	9.68	2.05	9.36	2.01	8.71	1.93
9.8	11.3	2.16	10.6	2.08	10.0	2.01	9.68	1.97	9.36	1.93	8.71	1.86
11.8	11.3	2.09	10.6	2.01	10.0	1.94	9.68	1.91	9.36	1.87	8.71	1.80
13.7	11.3	2.02	10.6	1.95	10.0	1.88	9.68	1.84	9.36	1.81	8.71	1.74

Combination 70%  
Capacity index(kW) 8.75

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	9.87	3.39	9.31	3.24	8.75	3.09	8.47	3.01	8.19	2.94	7.63	2.80
-13	9.87	3.18	9.31	3.04	8.75	2.90	8.47	2.83	8.19	2.76	7.63	2.63
-11	9.87	3.00	9.31	2.87	8.75	2.74	8.47	2.67	8.19	2.61	7.63	2.48
-10	9.87	2.91	9.31	2.79	8.75	2.66	8.47	2.60	8.19	2.54	7.63	2.41
-9.1	9.87	2.85	9.31	2.72	8.75	2.60	8.47	2.54	8.19	2.48	7.63	2.36
-7.6	9.87	2.73	9.31	2.61	8.75	2.50	8.47	2.44	8.19	2.38	7.63	2.27
-5.6	9.87	2.59	9.31	2.49	8.75	2.38	8.47	2.32	8.19	2.27	7.63	2.16
-3.7	9.87	2.49	9.31	2.38	8.75	2.27	8.47	2.22	8.19	2.17	7.63	2.07
-0.7	9.87	2.31	9.31	2.22	8.75	2.12	8.47	2.07	8.19	2.03	7.63	1.93
2.2	9.87	2.19	9.31	2.09	8.75	2.00	8.47	1.96	8.19	1.91	7.63	1.83
4.1	9.87	2.10	9.31	2.01	8.75	1.93	8.47	1.88	8.19	1.84	7.63	1.76
6	9.87	2.04	9.31	1.95	8.75	1.86	8.47	1.82	8.19	1.78	7.63	1.70
7.9	9.87	1.96	9.31	1.88	8.75	1.80	8.47	1.77	8.19	1.73	7.63	1.65
9.8	9.87	1.89	9.31	1.81	8.75	1.74	8.47	1.70	8.19	1.66	7.63	1.59
11.8	9.87	1.84	9.31	1.76	8.75	1.69	8.47	1.66	8.19	1.62	7.63	1.55
13.7	9.87	1.78	9.31	1.71	8.75	1.64	8.47	1.60	8.19	1.57	7.63	1.50

Combination 60%  
Capacity index(kW) 7.50

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	8.46	2.88	7.98	2.73	7.50	2.58	7.26	2.50	7.02	2.43	6.54	2.29
-13	8.46	2.71	7.98	2.57	7.50	2.43	7.26	2.36	7.02	2.29	6.54	2.16
-11	8.46	2.55	7.98	2.42	7.50	2.29	7.26	2.22	7.02	2.16	6.54	2.03
-10	8.46	2.48	7.98	2.36	7.50	2.23	7.26	2.17	7.02	2.11	6.54	1.98
-9.1	8.46	2.43	7.98	2.30	7.50	2.18	7.26	2.12	7.02	2.06	6.54	1.94
-7.6	8.46	2.33	7.98	2.21	7.50	2.10	7.26	2.04	7.02	1.98	6.54	1.87
-5.6	8.46	2.21	7.98	2.11	7.50	2.00	7.26	1.94	7.02	1.89	6.54	1.78
-3.7	8.46	2.14	7.98	2.03	7.50	1.92	7.26	1.87	7.02	1.82	6.54	1.72
-0.7	8.46	1.99	7.98	1.90	7.50	1.80	7.26	1.75	7.02	1.71	6.54	1.61
2.2	8.46	1.89	7.98	1.79	7.50	1.70	7.26	1.66	7.02	1.61	6.54	1.53
4.1	8.46	1.81	7.98	1.72	7.50	1.64	7.26	1.59	7.02	1.55	6.54	1.47
6	8.46	1.77	7.98	1.68	7.50	1.59	7.26	1.55	7.02	1.51	6.54	1.43
7.9	8.46	1.70	7.98	1.62	7.50	1.54	7.26	1.51	7.02	1.47	6.54	1.39
9.8	8.46	1.64	7.98	1.56	7.50	1.49	7.26	1.45	7.02	1.41	6.54	1.34
11.8	8.46	1.59	7.98	1.51	7.50	1.44	7.26	1.41	7.02	1.37	6.54	1.30
13.7	8.46	1.54	7.98	1.47	7.50	1.40	7.26	1.36	7.02	1.33	6.54	1.26

Combination 50%  
Capacity index(kW) 6.25

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	7.05	2.38	6.65	2.23	6.25	2.08	6.05	2.00	5.85	1.93	5.45	1.79
-13	7.05	2.24	6.65	2.10	6.25	1.96	6.05	1.89	5.85	1.82	5.45	1.69
-11	7.05	2.12	6.65	1.99	6.25	1.86	6.05	1.79	5.85	1.73	5.45	1.60
-10	7.05	2.06	6.65	1.94	6.25	1.81	6.05	1.75	5.85	1.69	5.45	1.56
-9.1	7.05	2.02	6.65	1.89	6.25	1.77	6.05	1.71	5.85	1.65	5.45	1.53
-7.6	7.05	1.94	6.65	1.82	6.25	1.71	6.05	1.65	5.85	1.59	5.45	1.48
-5.6	7.05	1.84	6.65	1.74	6.25	1.63	6.05	1.57	5.85	1.52	5.45	1.41
-3.7	7.05	1.78	6.65	1.67	6.25	1.56	6.05	1.51	5.85	1.46	5.45	1.36
-0.7	7.05	1.66	6.65	1.57	6.25	1.47	6.05	1.42	5.85	1.38	5.45	1.28
2.2	7.05	1.58	6.65	1.48	6.25	1.39	6.05	1.35	5.85	1.30	5.45	1.22
4.1	7.05	1.52	6.65	1.43	6.25	1.35	6.05	1.30	5.85	1.26	5.45	1.18
6	7.05	1.48	6.65	1.39	6.25	1.30	6.05	1.26	5.85	1.22	5.45	1.14
7.9	7.05	1.42	6.65	1.34	6.25	1.26	6.05	1.23	5.85	1.19	5.45	1.11
9.8	7.05	1.38	6.65	1.30	6.25	1.23	6.05	1.19	5.85	1.15	5.45	1.08
11.8	7.05	1.34	6.65	1.26	6.25	1.19	6.05	1.16	5.85	1.12	5.45	1.05
13.7	7.05	1.30	6.65	1.23	6.25	1.16	6.05	1.12	5.85	1.09	5.45	1.02

Note : PI of indoor units is not included in the table.

## 19.5.2 U-5LA1E5

Combination 130%  
Capacity index(kW) 20.80

TC : Total Capacity (kW) 、 PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	12.7	5.38	12.7	5.47	12.6	5.56	12.6	5.60	12.6	5.65	12.6	5.36
-13	13.4	5.47	13.3	5.55	13.3	5.63	13.3	5.64	13.3	5.46	13.2	5.10
-11	14.0	5.54	14.0	5.62	14.0	5.55	13.9	5.37	13.9	5.20	13.9	4.87
-10	14.4	5.58	14.3	5.65	14.3	5.42	14.3	5.25	14.3	5.09	14.2	4.76
-9.1	14.7	5.61	14.6	5.64	14.6	5.31	14.6	5.15	14.5	4.99	14.5	4.67
-7.6	15.2	5.70	15.1	5.50	15.1	5.19	15.1	5.03	15.0	4.88	15.0	4.59
-5.6	15.8	5.68	15.8	5.38	15.7	5.08	15.7	4.94	15.7	4.80	15.7	4.52
-3.7	16.4	5.54	16.4	5.26	16.4	4.98	16.3	4.84	16.3	4.71	16.3	4.45
-0.7	17.4	5.38	17.4	5.12	17.4	4.86	17.3	4.74	17.3	4.62	17.3	4.38
2.2	18.4	5.24	18.3	5.00	18.3	4.76	18.3	4.64	18.3	4.53	18.1	4.31
4.1	19.0	5.12	19.0	4.89	18.9	4.67	18.9	4.56	18.9	4.45	18.1	4.24
6	19.6	5.02	19.6	4.80	19.6	4.59	19.5	4.49	19.5	4.38	18.1	4.18
7.9	20.3	4.90	20.2	4.69	20.2	4.49	20.1	4.39	19.5	4.29	18.1	4.10
9.8	20.9	4.79	20.8	4.59	20.8	4.39	20.1	4.30	19.5	4.20	18.1	4.02
11.8	21.5	4.68	21.5	4.49	20.8	4.30	20.1	4.21	19.5	4.12	18.1	3.94
13.7	22.2	4.58	22.1	4.40	20.8	4.22	20.1	4.13	19.5	4.05	18.1	3.88

Combination 120%  
Capacity index(kW) 19.20

TC : Total Capacity (kW) 、 PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	12.7	5.37	12.6	5.46	12.6	5.55	12.6	5.59	12.6	5.64	12.5	5.35
-13	13.3	5.46	13.3	5.54	13.3	5.62	13.2	5.63	13.2	5.45	13.2	5.09
-11	14.0	5.53	14.0	5.61	13.9	5.54	13.9	5.36	13.9	5.19	13.8	4.86
-10	14.3	5.57	14.3	5.64	14.2	5.41	14.2	5.24	14.2	5.08	14.2	4.75
-9.1	14.6	5.60	14.6	5.63	14.5	5.30	14.5	5.14	14.5	4.98	14.5	4.66
-7.6	15.1	5.69	15.1	5.49	15.0	5.18	15.0	5.02	15.0	4.87	15.0	4.58
-5.6	15.8	5.67	15.7	5.37	15.7	5.07	15.7	4.93	15.7	4.79	15.6	4.51
-3.7	16.4	5.53	16.4	5.25	16.3	4.97	16.3	4.83	16.3	4.70	16.3	4.44
-0.7	17.4	5.37	17.3	5.11	17.3	4.85	17.3	4.73	17.3	4.61	16.7	4.37
2.2	18.3	5.23	18.3	4.99	18.3	4.75	18.2	4.63	18.0	4.52	16.7	4.30
4.1	19.0	5.11	18.9	4.88	18.9	4.66	18.6	4.55	18.0	4.44	16.7	4.23
6	19.6	5.01	19.5	4.79	19.2	4.58	18.6	4.48	18.0	4.37	16.7	4.17
7.9	20.2	4.89	20.2	4.68	19.2	4.48	18.6	4.38	18.0	4.28	16.7	4.09
9.8	20.8	4.78	20.4	4.58	19.2	4.38	18.6	4.29	18.0	4.19	16.7	4.01
11.8	21.5	4.67	20.4	4.48	19.2	4.29	18.6	4.20	18.0	4.11	16.7	3.93
13.7	21.7	4.57	20.4	4.39	19.2	4.21	18.6	4.12	18.0	4.04	16.7	3.87

Combination 110%  
Capacity index(kW) 17.60

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	12.6	5.39	12.6	5.48	12.6	5.57	12.5	5.61	12.5	5.66	12.5	5.37
-13	13.3	5.48	13.2	5.56	13.2	5.64	13.2	5.65	13.2	5.47	13.2	5.11
-11	13.9	5.55	13.9	5.63	13.9	5.56	13.9	5.38	13.8	5.21	13.8	4.88
-10	14.3	5.59	14.2	5.66	14.2	5.43	14.2	5.26	14.2	5.10	14.1	4.77
-9.1	14.6	5.62	14.5	5.65	14.5	5.32	14.5	5.16	14.5	5.00	14.4	4.68
-7.6	15.1	5.66	15.0	5.46	15.0	5.15	15.0	4.99	15.0	4.84	14.9	4.55
-5.6	15.7	5.54	15.7	5.24	15.7	4.94	15.6	4.80	15.6	4.66	15.3	4.38
-3.7	16.3	5.33	16.3	5.05	16.3	4.77	16.3	4.63	16.2	4.50	15.3	4.24
-0.7	17.3	5.04	17.3	4.78	17.3	4.52	17.0	4.40	16.5	4.28	15.3	4.04
2.2	18.3	4.80	18.2	4.56	17.6	4.32	17.0	4.20	16.5	4.09	15.3	3.87
4.1	18.9	4.65	18.7	4.42	17.6	4.20	17.0	4.09	16.5	3.98	15.3	3.77
6	19.5	4.52	18.7	4.30	17.6	4.09	17.0	3.99	16.5	3.88	15.3	3.68
7.9	19.9	4.40	18.7	4.19	17.6	3.99	17.0	3.89	16.5	3.79	15.3	3.60
9.8	19.9	4.29	18.7	4.09	17.6	3.89	17.0	3.80	16.5	3.70	15.3	3.52
11.8	19.9	4.18	18.7	3.99	17.6	3.80	17.0	3.71	16.5	3.62	15.3	3.44
13.7	19.9	4.08	18.7	3.90	17.6	3.72	17.0	3.63	16.5	3.55	15.3	3.38

Combination 100%  
Capacity index(kW) 16.00

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	12.6	4.92	12.5	5.01	12.5	5.10	12.5	5.14	12.5	5.19	12.5	4.90
-13	13.2	5.01	13.2	5.09	13.2	5.17	13.2	5.18	13.1	5.00	13.1	4.64
-11	13.9	5.08	13.9	5.16	13.8	5.09	13.8	4.91	13.8	4.74	13.8	4.41
-10	14.2	5.12	14.2	5.19	14.2	4.96	14.1	4.79	14.1	4.63	13.9	4.30
-9.1	14.5	5.15	14.5	5.18	14.5	4.85	14.4	4.69	14.4	4.53	13.9	4.21
-7.6	15.0	5.19	15.0	4.99	14.9	4.68	14.9	4.52	14.9	4.37	13.9	4.08
-5.6	15.7	5.07	15.6	4.77	15.6	4.47	15.5	4.33	15.0	4.19	13.9	3.91
-3.7	16.3	4.86	16.3	4.58	16.0	4.30	15.5	4.16	15.0	4.03	13.9	3.77
-0.7	17.3	4.57	17.0	4.31	16.0	4.05	15.5	3.93	15.0	3.81	13.9	3.57
2.2	18.1	4.33	17.0	4.09	16.0	3.85	15.5	3.73	15.0	3.62	13.9	3.40
4.1	18.1	4.18	17.0	3.95	16.0	3.73	15.5	3.62	15.0	3.51	13.9	3.30
6	18.1	4.05	17.0	3.83	16.0	3.62	15.5	3.52	15.0	3.41	13.9	3.21
7.9	18.1	3.93	17.0	3.72	16.0	3.52	15.5	3.42	15.0	3.32	13.9	3.13
9.8	18.1	3.82	17.0	3.62	16.0	3.42	15.5	3.33	15.0	3.23	13.9	3.05
11.8	18.1	3.71	17.0	3.52	16.0	3.33	15.5	3.24	15.0	3.15	13.9	2.97
13.7	18.1	3.61	17.0	3.43	16.0	3.25	15.5	3.16	15.0	3.08	13.9	2.91

Combination 90%  
Capacity index(kW) 14.40

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	12.5	4.90	12.5	4.75	12.5	4.60	12.5	4.52	12.4	4.45	12.4	4.31
-13	13.2	4.95	13.2	4.81	13.1	4.67	13.1	4.60	13.1	4.53	12.6	4.40
-11	13.8	4.85	13.8	4.72	13.8	4.59	13.8	4.52	13.5	4.46	12.6	4.33
-10	14.2	4.71	14.1	4.59	14.1	4.46	13.9	4.40	13.5	4.34	12.6	4.21
-9.1	14.5	4.60	14.4	4.47	14.4	4.35	13.9	4.29	13.5	4.23	12.6	4.11
-7.6	15.0	4.41	14.9	4.29	14.4	4.18	13.9	4.12	13.5	4.06	12.6	3.95
-5.6	15.6	4.18	15.3	4.08	14.4	3.97	13.9	3.91	13.5	3.86	12.6	3.75
-3.7	16.2	4.02	15.3	3.91	14.4	3.80	13.9	3.75	13.5	3.70	12.6	3.60
-0.7	16.3	3.79	15.3	3.70	14.4	3.60	13.9	3.55	13.5	3.51	12.6	3.41
2.2	16.3	3.59	15.3	3.49	14.4	3.40	13.9	3.36	13.5	3.31	12.6	3.23
4.1	16.3	3.45	15.3	3.36	14.4	3.28	13.9	3.23	13.5	3.19	12.6	3.11
6	16.3	3.35	15.3	3.26	14.4	3.17	13.9	3.13	13.5	3.09	12.6	3.01
7.9	16.3	3.23	15.3	3.15	14.4	3.07	13.9	3.04	13.5	3.00	12.6	2.92
9.8	16.3	3.12	15.3	3.04	14.4	2.97	13.9	2.93	13.5	2.89	12.6	2.82
11.8	16.3	3.03	15.3	2.95	14.4	2.88	13.9	2.85	13.5	2.81	12.6	2.74
13.7	16.3	2.94	15.3	2.87	14.4	2.80	13.9	2.76	13.5	2.73	12.6	2.66

Combination 80%  
Capacity index(kW) 12.80

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	12.5	4.47	12.4	4.32	12.4	4.17	12.4	4.09	12.0	4.02	11.2	3.88
-13	13.1	4.52	13.1	4.38	12.8	4.24	12.4	4.17	12.0	4.10	11.2	3.97
-11	13.8	4.42	13.6	4.29	12.8	4.16	12.4	4.09	12.0	4.03	11.2	3.90
-10	14.1	4.28	13.6	4.16	12.8	4.03	12.4	3.97	12.0	3.91	11.2	3.78
-9.1	14.4	4.17	13.6	4.04	12.8	3.92	12.4	3.86	12.0	3.80	11.2	3.68
-7.6	14.4	3.98	13.6	3.86	12.8	3.75	12.4	3.69	12.0	3.63	11.2	3.52
-5.6	14.4	3.75	13.6	3.65	12.8	3.54	12.4	3.48	12.0	3.43	11.2	3.32
-3.7	14.4	3.59	13.6	3.48	12.8	3.37	12.4	3.32	12.0	3.27	11.2	3.17
-0.7	14.4	3.36	13.6	3.27	12.8	3.17	12.4	3.12	12.0	3.08	11.2	2.98
2.2	14.4	3.16	13.6	3.06	12.8	2.97	12.4	2.93	12.0	2.88	11.2	2.80
4.1	14.4	3.02	13.6	2.93	12.8	2.85	12.4	2.80	12.0	2.76	11.2	2.68
6	14.4	2.92	13.6	2.83	12.8	2.74	12.4	2.70	12.0	2.66	11.2	2.58
7.9	14.4	2.80	13.6	2.72	12.8	2.64	12.4	2.61	12.0	2.57	11.2	2.49
9.8	14.4	2.69	13.6	2.61	12.8	2.54	12.4	2.50	12.0	2.46	11.2	2.39
11.8	14.4	2.60	13.6	2.52	12.8	2.45	12.4	2.42	12.0	2.38	11.2	2.31
13.7	14.4	2.51	13.6	2.44	12.8	2.37	12.4	2.33	12.0	2.30	11.2	2.23

Combination 70%  
Capacity index(kW) 11.20

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	12.4	4.06	11.9	3.91	11.2	3.76	10.8	3.68	10.5	3.61	9.76	3.47
-13	12.6	4.11	11.9	3.97	11.2	3.83	10.8	3.76	10.5	3.69	9.76	3.56
-11	12.6	4.01	11.9	3.88	11.2	3.75	10.8	3.68	10.5	3.62	9.76	3.49
-10	12.6	3.87	11.9	3.75	11.2	3.62	10.8	3.56	10.5	3.50	9.76	3.37
-9.1	12.6	3.76	11.9	3.63	11.2	3.51	10.8	3.45	10.5	3.39	9.76	3.27
-7.6	12.6	3.57	11.9	3.45	11.2	3.34	10.8	3.28	10.5	3.22	9.76	3.11
-5.6	12.6	3.34	11.9	3.24	11.2	3.13	10.8	3.07	10.5	3.02	9.76	2.91
-3.7	12.6	3.18	11.9	3.07	11.2	2.96	10.8	2.91	10.5	2.86	9.76	2.76
-0.7	12.6	2.95	11.9	2.86	11.2	2.76	10.8	2.71	10.5	2.67	9.76	2.57
2.2	12.6	2.75	11.9	2.65	11.2	2.56	10.8	2.52	10.5	2.47	9.76	2.39
4.1	12.6	2.61	11.9	2.52	11.2	2.44	10.8	2.39	10.5	2.35	9.76	2.27
6	12.6	2.51	11.9	2.42	11.2	2.33	10.8	2.29	10.5	2.25	9.76	2.17
7.9	12.6	2.39	11.9	2.31	11.2	2.23	10.8	2.20	10.5	2.16	9.76	2.08
9.8	12.6	2.28	11.9	2.20	11.2	2.13	10.8	2.09	10.5	2.05	9.76	1.98
11.8	12.6	2.19	11.9	2.11	11.2	2.04	10.8	2.01	10.5	1.97	9.76	1.90
13.7	12.6	2.10	11.9	2.03	11.2	1.96	10.8	1.92	10.5	1.89	9.76	1.82

Combination 60%  
Capacity index(kW) 9.60

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	10.8	3.55	10.2	3.40	9.60	3.25	9.29	3.17	8.98	3.10	8.37	2.96
-13	10.8	3.60	10.2	3.46	9.60	3.32	9.29	3.25	8.98	3.18	8.37	3.05
-11	10.8	3.50	10.2	3.37	9.60	3.24	9.29	3.17	8.98	3.11	8.37	2.98
-10	10.8	3.36	10.2	3.24	9.60	3.11	9.29	3.05	8.98	2.99	8.37	2.86
-9.1	10.8	3.25	10.2	3.12	9.60	3.00	9.29	2.94	8.98	2.88	8.37	2.76
-7.6	10.8	3.08	10.2	2.96	9.60	2.85	9.29	2.79	8.98	2.73	8.37	2.62
-5.6	10.8	2.91	10.2	2.81	9.60	2.70	9.29	2.64	8.98	2.59	8.37	2.48
-3.7	10.8	2.75	10.2	2.64	9.60	2.53	9.29	2.48	8.98	2.43	8.37	2.33
-0.7	10.8	2.54	10.2	2.45	9.60	2.35	9.29	2.30	8.98	2.26	8.37	2.16
2.2	10.8	2.36	10.2	2.26	9.60	2.17	9.29	2.13	8.98	2.08	8.37	2.00
4.1	10.8	2.22	10.2	2.13	9.60	2.05	9.29	2.00	8.98	1.96	8.37	1.88
6	10.8	2.12	10.2	2.03	9.60	1.94	9.29	1.90	8.98	1.86	8.37	1.78
7.9	10.8	2.00	10.2	1.92	9.60	1.84	9.29	1.81	8.98	1.77	8.37	1.69
9.8	10.8	1.89	10.2	1.81	9.60	1.74	9.29	1.70	8.98	1.66	8.37	1.59
11.8	10.8	1.80	10.2	1.72	9.60	1.65	9.29	1.62	8.98	1.58	8.37	1.51
13.7	10.8	1.71	10.2	1.64	9.60	1.57	9.29	1.53	8.98	1.50	8.37	1.43

Combination 50%  
Capacity index(kW) 8.00

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	9.03	2.78	8.51	2.63	8.00	2.48	7.74	2.40	7.49	2.33	6.97	2.19
-13	9.03	2.64	8.51	2.50	8.00	2.36	7.74	2.29	7.49	2.22	6.97	2.09
-11	9.03	2.52	8.51	2.39	8.00	2.26	7.74	2.19	7.49	2.13	6.97	2.00
-10	9.03	2.46	8.51	2.34	8.00	2.21	7.74	2.15	7.49	2.09	6.97	1.96
-9.1	9.03	2.42	8.51	2.29	8.00	2.17	7.74	2.11	7.49	2.05	6.97	1.93
-7.6	9.03	2.34	8.51	2.22	8.00	2.11	7.74	2.05	7.49	1.99	6.97	1.88
-5.6	9.03	2.24	8.51	2.14	8.00	2.03	7.74	1.97	7.49	1.92	6.97	1.81
-3.7	9.03	2.18	8.51	2.07	8.00	1.96	7.74	1.91	7.49	1.86	6.97	1.76
-0.7	9.03	2.06	8.51	1.97	8.00	1.87	7.74	1.82	7.49	1.78	6.97	1.68
2.2	9.03	1.98	8.51	1.88	8.00	1.79	7.74	1.75	7.49	1.70	6.97	1.62
4.1	9.03	1.92	8.51	1.83	8.00	1.75	7.74	1.70	7.49	1.66	6.97	1.58
6	9.03	1.88	8.51	1.79	8.00	1.70	7.74	1.66	7.49	1.62	6.97	1.54
7.9	9.03	1.82	8.51	1.74	8.00	1.66	7.74	1.63	7.49	1.59	6.97	1.51
9.8	9.03	1.78	8.51	1.70	8.00	1.63	7.74	1.59	7.49	1.55	6.97	1.48
11.8	9.03	1.74	8.51	1.66	8.00	1.59	7.74	1.56	7.49	1.52	6.97	1.45
13.7	9.03	1.70	8.51	1.63	8.00	1.56	7.74	1.52	7.49	1.49	6.97	1.42

Note : PI of indoor units is not included in the table.

### 19.5.3 U-6LA1E5

Combination 130%  
Capacity index(kW) 23.40

TC : Total Capacity (kW) 、PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	13.0	5.90	12.9	5.99	12.9	6.08	12.9	6.12	12.8	6.17	12.8	5.88
-13	13.6	5.99	13.6	6.07	13.6	6.15	13.5	6.16	13.5	5.98	13.5	5.62
-11	14.3	6.06	14.3	6.14	14.2	6.07	14.2	5.89	14.2	5.72	14.1	5.39
-10	14.6	6.10	14.6	6.17	14.6	5.94	14.5	5.77	14.5	5.61	14.5	5.28
-9.1	14.9	6.13	14.9	6.16	14.9	5.83	14.8	5.67	14.8	5.51	14.8	5.19
-7.6	15.4	6.17	15.4	5.97	15.4	5.66	15.3	5.50	15.3	5.35	15.3	5.06
-5.6	16.1	6.05	16.1	5.75	16.0	5.45	16.0	5.31	16.0	5.17	15.9	4.89
-3.7	16.7	5.84	16.7	5.56	16.7	5.28	16.6	5.14	16.6	5.01	16.6	4.75
-0.7	17.7	5.55	17.7	5.29	17.7	5.03	17.6	4.91	17.6	4.79	17.6	4.55
2.2	18.7	5.31	18.7	5.07	18.6	4.83	18.6	4.71	18.6	4.60	18.5	4.38
4.1	19.3	5.16	19.3	4.93	19.3	4.71	19.2	4.60	19.2	4.49	19.2	4.28
6	20.0	5.03	19.9	4.81	19.9	4.60	19.9	4.50	19.9	4.39	19.8	4.19
7.9	20.6	4.91	20.6	4.70	20.5	4.50	20.5	4.40	20.5	4.30	20.4	4.11
9.8	21.3	4.80	21.2	4.60	21.2	4.40	21.1	4.31	21.1	4.21	20.4	4.03
11.8	21.9	4.69	21.9	4.50	21.8	4.31	21.8	4.22	21.8	4.13	20.4	3.95
13.7	22.6	4.59	22.5	4.41	22.5	4.23	22.4	4.14	21.9	4.06	20.4	3.89



Combination 120%  
Capacity index(kW) 21.60

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	12.9	5.92	12.9	6.01	12.8	6.10	12.8	6.14	12.8	6.19	12.8	5.90
-13	13.6	6.01	13.5	6.09	13.5	6.17	13.5	6.18	13.5	6.00	13.4	5.64
-11	14.3	6.08	14.2	6.16	14.2	6.09	14.2	5.91	14.1	5.74	14.1	5.41
-10	14.6	6.12	14.5	6.19	14.5	5.96	14.5	5.79	14.5	5.63	14.4	5.30
-9.1	14.9	6.15	14.8	6.18	14.8	5.85	14.8	5.69	14.8	5.53	14.7	5.21
-7.6	15.4	6.19	15.3	5.99	15.3	5.68	15.3	5.52	15.3	5.37	15.2	5.08
-5.6	16.1	6.09	16.0	5.79	16.0	5.49	16.0	5.35	15.9	5.21	15.9	4.93
-3.7	16.7	5.88	16.6	5.60	16.6	5.32	16.6	5.18	16.6	5.05	16.5	4.79
-0.7	17.7	5.69	17.7	5.43	17.6	5.17	17.6	5.05	17.6	4.93	17.5	4.69
2.2	18.7	5.45	18.6	5.21	18.6	4.97	18.6	4.85	18.5	4.74	18.5	4.52
4.1	19.3	5.30	19.3	5.07	19.2	4.85	19.2	4.74	19.2	4.63	18.8	4.42
6	19.9	5.17	19.9	4.95	19.9	4.74	19.8	4.64	19.8	4.53	18.8	4.33
7.9	20.6	5.05	20.5	4.84	20.5	4.64	20.5	4.54	20.2	4.44	18.8	4.25
9.8	21.2	4.94	21.2	4.74	21.1	4.54	20.9	4.45	20.2	4.35	18.8	4.17
11.8	21.9	4.83	21.8	4.64	21.6	4.45	20.9	4.36	20.2	4.27	18.8	4.09
13.7	22.5	4.73	22.5	4.55	21.6	4.37	20.9	4.28	20.2	4.20	18.8	4.03

Combination 110%  
Capacity index(kW) 19.80

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	12.9	5.93	12.8	6.02	12.8	6.11	12.8	6.15	12.8	6.20	12.7	5.91
-13	13.5	6.02	13.5	6.10	13.5	6.18	13.4	6.19	13.4	6.01	13.4	5.65
-11	14.2	6.09	14.2	6.17	14.1	6.10	14.1	5.92	14.1	5.75	14.1	5.42
-10	14.5	6.13	14.5	6.20	14.5	5.97	14.4	5.80	14.4	5.64	14.4	5.31
-9.1	14.8	6.16	14.8	6.19	14.8	5.86	14.7	5.70	14.7	5.54	14.7	5.22
-7.6	15.3	6.20	15.3	6.00	15.3	5.69	15.2	5.53	15.2	5.38	15.2	5.09
-5.6	16.0	6.19	16.0	5.89	15.9	5.59	15.9	5.45	15.9	5.31	15.9	5.03
-3.7	16.6	5.98	16.6	5.70	16.6	5.42	16.5	5.28	16.5	5.15	16.5	4.89
-0.7	17.6	5.79	17.6	5.53	17.6	5.27	17.5	5.15	17.5	5.03	17.3	4.79
2.2	18.6	5.60	18.6	5.36	18.5	5.12	18.5	5.00	18.5	4.89	17.3	4.67
4.1	19.2	5.45	19.2	5.22	19.2	5.00	19.1	4.89	18.5	4.78	17.3	4.57
6	19.9	5.32	19.8	5.10	19.8	4.89	19.2	4.79	18.5	4.68	17.3	4.48
7.9	20.5	5.20	20.5	4.99	19.8	4.79	19.2	4.69	18.5	4.59	17.3	4.40
9.8	21.1	5.09	21.1	4.89	19.8	4.69	19.2	4.60	18.5	4.50	17.3	4.32
11.8	21.8	4.98	21.1	4.79	19.8	4.60	19.2	4.51	18.5	4.42	17.3	4.24
13.7	22.3	4.88	21.1	4.70	19.8	4.52	19.2	4.43	18.5	4.35	17.3	4.18

Combination 100%  
Capacity index(kW) 18.00

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	12.8	5.63	12.8	5.72	12.7	5.81	12.7	5.85	12.7	5.90	12.7	5.61
-13	13.5	5.72	13.4	5.80	13.4	5.88	13.4	5.89	13.4	5.71	13.3	5.35
-11	14.1	5.79	14.1	5.87	14.1	5.80	14.1	5.62	14.0	5.45	14.0	5.12
-10	14.5	5.83	14.4	5.90	14.4	5.67	14.4	5.50	14.4	5.34	14.3	5.01
-9.1	14.8	5.86	14.7	5.89	14.7	5.56	14.7	5.40	14.7	5.24	14.6	4.92
-7.6	15.3	5.90	15.2	5.70	15.2	5.39	15.2	5.23	15.2	5.08	15.1	4.79
-5.6	15.9	5.78	15.9	5.48	15.9	5.18	15.9	5.04	15.8	4.90	15.7	4.62
-3.7	16.6	5.57	16.5	5.29	16.5	5.01	16.5	4.87	16.5	4.74	15.7	4.48
-0.7	17.6	5.28	17.5	5.02	17.5	4.76	17.4	4.64	16.8	4.52	15.7	4.28
2.2	18.5	5.04	18.5	4.80	18.0	4.56	17.4	4.44	16.8	4.33	15.7	4.11
4.1	19.2	4.89	19.1	4.66	18.0	4.44	17.4	4.33	16.8	4.22	15.7	4.01
6	19.8	4.76	19.2	4.54	18.0	4.33	17.4	4.23	16.8	4.12	15.7	3.92
7.9	20.3	4.64	19.2	4.43	18.0	4.23	17.4	4.13	16.8	4.03	15.7	3.84
9.8	20.3	4.53	19.2	4.33	18.0	4.13	17.4	4.04	16.8	3.94	15.7	3.76
11.8	20.3	4.42	19.2	4.23	18.0	4.04	17.4	3.95	16.8	3.86	15.7	3.68
13.7	20.3	4.32	19.2	4.14	18.0	3.96	17.4	3.87	16.8	3.79	15.7	3.62

Combination 90%  
Capacity index(kW) 16.20

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	12.7	5.58	12.7	5.43	12.7	5.28	12.7	5.20	12.7	5.13	12.6	4.99
-13	13.4	5.63	13.4	5.49	13.4	5.35	13.3	5.28	13.3	5.21	13.3	5.08
-11	14.1	5.53	14.1	5.40	14.0	5.27	14.0	5.20	14.0	5.14	14.0	5.01
-10	14.4	5.39	14.4	5.27	14.4	5.14	14.3	5.08	14.3	5.02	14.1	4.89
-9.1	14.7	5.28	14.7	5.15	14.7	5.03	14.6	4.97	14.6	4.91	14.1	4.79
-7.6	15.2	5.09	15.2	4.97	15.2	4.86	15.1	4.80	15.1	4.74	14.1	4.63
-5.6	15.9	4.86	15.9	4.76	15.8	4.65	15.7	4.59	15.2	4.54	14.1	4.43
-3.7	16.5	4.70	16.5	4.59	16.2	4.48	15.7	4.43	15.2	4.38	14.1	4.28
-0.7	17.5	4.42	17.2	4.33	16.2	4.23	15.7	4.18	15.2	4.14	14.1	4.04
2.2	18.3	4.22	17.2	4.12	16.2	4.03	15.7	3.99	15.2	3.94	14.1	3.86
4.1	18.3	4.08	17.2	3.99	16.2	3.91	15.7	3.86	15.2	3.82	14.1	3.74
6	18.3	3.98	17.2	3.89	16.2	3.80	15.7	3.76	15.2	3.72	14.1	3.64
7.9	18.3	3.86	17.2	3.78	16.2	3.70	15.7	3.67	15.2	3.63	14.1	3.55
9.8	18.3	3.75	17.2	3.67	16.2	3.60	15.7	3.56	15.2	3.52	14.1	3.45
11.8	18.3	3.66	17.2	3.58	16.2	3.51	15.7	3.48	15.2	3.44	14.1	3.37
13.7	18.3	3.57	17.2	3.50	16.2	3.43	15.7	3.39	15.2	3.36	14.1	3.29

Combination 80%  
Capacity index(kW) 14.40

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	12.7	5.07	12.7	4.92	12.6	4.77	12.6	4.69	12.6	4.62	12.6	4.48
-13	13.4	5.12	13.3	4.98	13.3	4.84	13.3	4.77	13.3	4.70	12.6	4.57
-11	14.0	5.02	14.0	4.89	14.0	4.76	13.9	4.69	13.5	4.63	12.6	4.50
-10	14.4	4.88	14.3	4.76	14.3	4.63	13.9	4.57	13.5	4.51	12.6	4.38
-9.1	14.7	4.77	14.6	4.64	14.4	4.52	13.9	4.46	13.5	4.40	12.6	4.28
-7.6	15.2	4.58	15.1	4.46	14.4	4.35	13.9	4.29	13.5	4.23	12.6	4.12
-5.6	15.8	4.35	15.3	4.25	14.4	4.14	13.9	4.08	13.5	4.03	12.6	3.92
-3.7	16.3	4.19	15.3	4.08	14.4	3.97	13.9	3.92	13.5	3.87	12.6	3.77
-0.7	16.3	3.91	15.3	3.82	14.4	3.72	13.9	3.67	13.5	3.63	12.6	3.53
2.2	16.3	3.71	15.3	3.61	14.4	3.52	13.9	3.48	13.5	3.43	12.6	3.35
4.1	16.3	3.57	15.3	3.48	14.4	3.40	13.9	3.35	13.5	3.31	12.6	3.23
6	16.3	3.47	15.3	3.38	14.4	3.29	13.9	3.25	13.5	3.21	12.6	3.13
7.9	16.3	3.35	15.3	3.27	14.4	3.19	13.9	3.16	13.5	3.12	12.6	3.04
9.8	16.3	3.24	15.3	3.16	14.4	3.09	13.9	3.05	13.5	3.01	12.6	2.94
11.8	16.3	3.15	15.3	3.07	14.4	3.00	13.9	2.97	13.5	2.93	12.6	2.86
13.7	16.3	3.06	15.3	2.99	14.4	2.92	13.9	2.88	13.5	2.85	12.6	2.78

Combination 70%  
Capacity index(kW) 12.60

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	12.6	4.58	12.6	4.43	12.6	4.28	12.2	4.20	11.8	4.13	11.0	3.99
-13	13.3	4.63	13.3	4.49	12.6	4.35	12.2	4.28	11.8	4.21	11.0	4.08
-11	14.0	4.53	13.4	4.40	12.6	4.27	12.2	4.20	11.8	4.14	11.0	4.01
-10	14.2	4.39	13.4	4.27	12.6	4.14	12.2	4.08	11.8	4.02	11.0	3.89
-9.1	14.2	4.28	13.4	4.15	12.6	4.03	12.2	3.97	11.8	3.91	11.0	3.79
-7.6	14.2	4.09	13.4	3.97	12.6	3.86	12.2	3.80	11.8	3.74	11.0	3.63
-5.6	14.2	3.86	13.4	3.76	12.6	3.65	12.2	3.59	11.8	3.54	11.0	3.43
-3.7	14.2	3.70	13.4	3.59	12.6	3.48	12.2	3.43	11.8	3.38	11.0	3.28
-0.7	14.2	3.42	13.4	3.33	12.6	3.23	12.2	3.18	11.8	3.14	11.0	3.04
2.2	14.2	3.22	13.4	3.12	12.6	3.03	12.2	2.99	11.8	2.94	11.0	2.86
4.1	14.2	3.08	13.4	2.99	12.6	2.91	12.2	2.86	11.8	2.82	11.0	2.74
6	14.2	2.98	13.4	2.89	12.6	2.80	12.2	2.76	11.8	2.72	11.0	2.64
7.9	14.2	2.86	13.4	2.78	12.6	2.70	12.2	2.67	11.8	2.63	11.0	2.55
9.8	14.2	2.75	13.4	2.67	12.6	2.60	12.2	2.56	11.8	2.52	11.0	2.45
11.8	14.2	2.66	13.4	2.58	12.6	2.51	12.2	2.48	11.8	2.44	11.0	2.37
13.7	14.2	2.57	13.4	2.50	12.6	2.43	12.2	2.39	11.8	2.36	11.0	2.29

Combination 60%  
Capacity index(kW) 10.80

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	12.2	3.84	11.5	3.69	10.8	3.54	10.5	3.46	10.1	3.39	9.41	3.25
-13	12.2	3.89	11.5	3.75	10.8	3.61	10.5	3.54	10.1	3.47	9.41	3.34
-11	12.2	3.79	11.5	3.66	10.8	3.53	10.5	3.46	10.1	3.40	9.41	3.27
-10	12.2	3.68	11.5	3.56	10.8	3.43	10.5	3.37	10.1	3.31	9.41	3.18
-9.1	12.2	3.58	11.5	3.45	10.8	3.33	10.5	3.27	10.1	3.21	9.41	3.09
-7.6	12.2	3.46	11.5	3.34	10.8	3.23	10.5	3.17	10.1	3.11	9.41	3.00
-5.6	12.2	3.33	11.5	3.23	10.8	3.12	10.5	3.06	10.1	3.01	9.41	2.90
-3.7	12.2	3.19	11.5	3.08	10.8	2.97	10.5	2.92	10.1	2.87	9.41	2.77
-0.7	12.2	2.96	11.5	2.87	10.8	2.77	10.5	2.72	10.1	2.68	9.41	2.58
2.2	12.2	2.76	11.5	2.66	10.8	2.57	10.5	2.53	10.1	2.48	9.41	2.40
4.1	12.2	2.62	11.5	2.53	10.8	2.45	10.5	2.40	10.1	2.36	9.41	2.28
6	12.2	2.52	11.5	2.43	10.8	2.34	10.5	2.30	10.1	2.26	9.41	2.18
7.9	12.2	2.40	11.5	2.32	10.8	2.24	10.5	2.21	10.1	2.17	9.41	2.09
9.8	12.2	2.29	11.5	2.21	10.8	2.14	10.5	2.10	10.1	2.06	9.41	1.99
11.8	12.2	2.20	11.5	2.12	10.8	2.05	10.5	2.02	10.1	1.98	9.41	1.91
13.7	12.2	2.11	11.5	2.04	10.8	1.97	10.5	1.93	10.1	1.90	9.41	1.83

Combination 50%  
Capacity index(kW) 9.00

TC : Total Capacity (kW) · PI : Power Input (kW)

Outdoor Air Temp. (°CWB)	Indoor Air Temperature (°CDB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	10.2	3.11	9.58	2.96	9.00	2.81	8.71	2.73	8.42	2.66	7.84	2.52
-13	10.2	2.97	9.58	2.83	9.00	2.69	8.71	2.62	8.42	2.55	7.84	2.42
-11	10.2	2.85	9.58	2.72	9.00	2.59	8.71	2.52	8.42	2.46	7.84	2.33
-10	10.2	2.79	9.58	2.67	9.00	2.54	8.71	2.48	8.42	2.42	7.84	2.29
-9.1	10.2	2.75	9.58	2.62	9.00	2.50	8.71	2.44	8.42	2.38	7.84	2.26
-7.6	10.2	2.67	9.58	2.55	9.00	2.44	8.71	2.38	8.42	2.32	7.84	2.21
-5.6	10.2	2.57	9.58	2.47	9.00	2.36	8.71	2.30	8.42	2.25	7.84	2.14
-3.7	10.2	2.51	9.58	2.40	9.00	2.29	8.71	2.24	8.42	2.19	7.84	2.09
-0.7	10.2	2.39	9.58	2.30	9.00	2.20	8.71	2.15	8.42	2.11	7.84	2.01
2.2	10.2	2.31	9.58	2.21	9.00	2.12	8.71	2.08	8.42	2.03	7.84	1.95
4.1	10.2	2.25	9.58	2.16	9.00	2.08	8.71	2.03	8.42	1.99	7.84	1.91
6	10.2	2.21	9.58	2.12	9.00	2.03	8.71	1.99	8.42	1.95	7.84	1.87
7.9	10.2	2.15	9.58	2.07	9.00	1.99	8.71	1.96	8.42	1.92	7.84	1.84
9.8	10.2	2.11	9.58	2.03	9.00	1.96	8.71	1.92	8.42	1.88	7.84	1.81
11.8	10.2	2.07	9.58	1.99	9.00	1.92	8.71	1.89	8.42	1.85	7.84	1.78
13.7	10.2	2.03	9.58	1.96	9.00	1.89	8.71	1.85	8.42	1.82	7.84	1.75

Note : PI of indoor units is not included in the table.

## 19.6 Combination Characteristic

- Calculation method of indoor unit capacity (an example)

Outdoor unit : U-6LA1E5

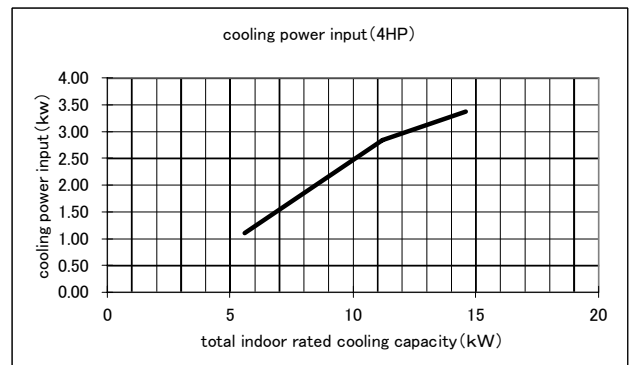
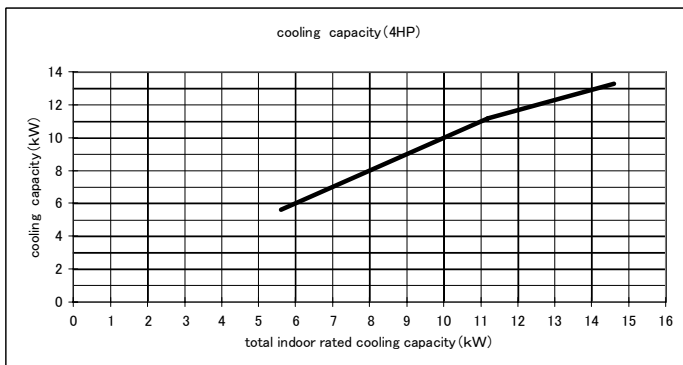
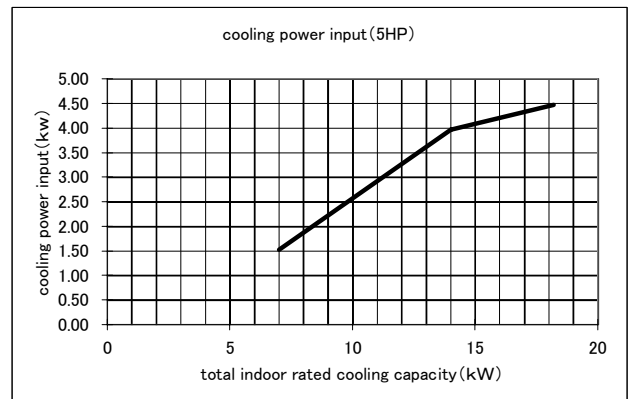
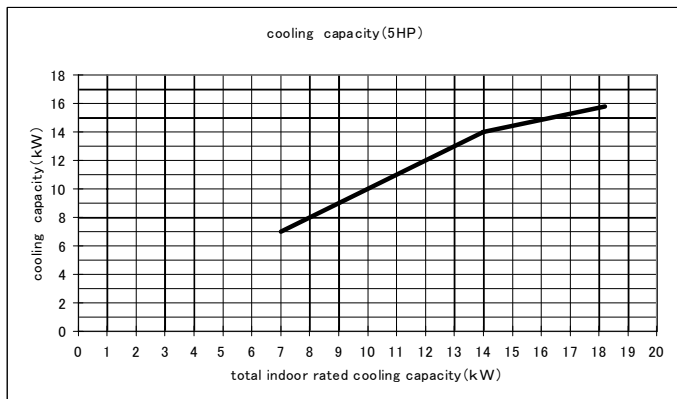
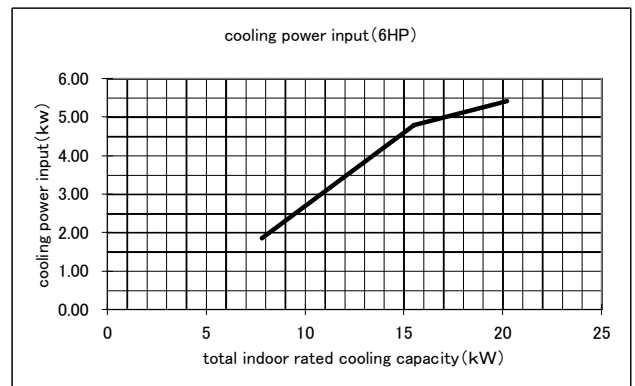
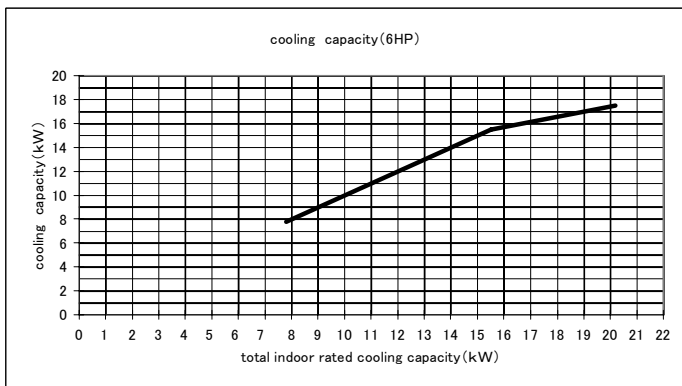
Indoor unit : S-36KA1E5 x 2 + S-56KA1E5 + S-63KA1E5

Actual cooling capacity of S-56KA1E5 :

$$\text{Cooling capacity (15.5kW)} \times \frac{\text{indoor rated cooling capacity (5.6kW)}}{\text{Total indoor rated cooling capacity (19.1kW)}} = 4.54\text{kW}$$

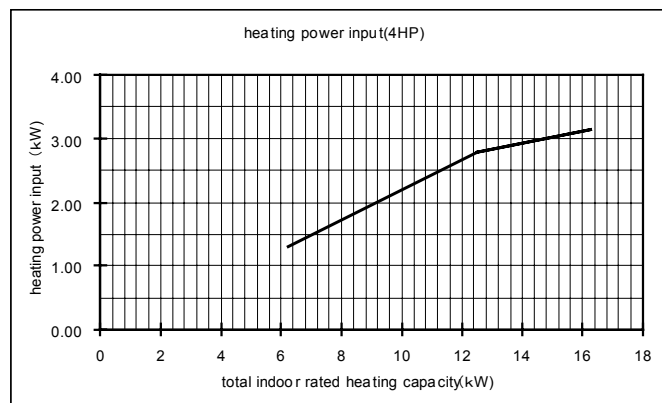
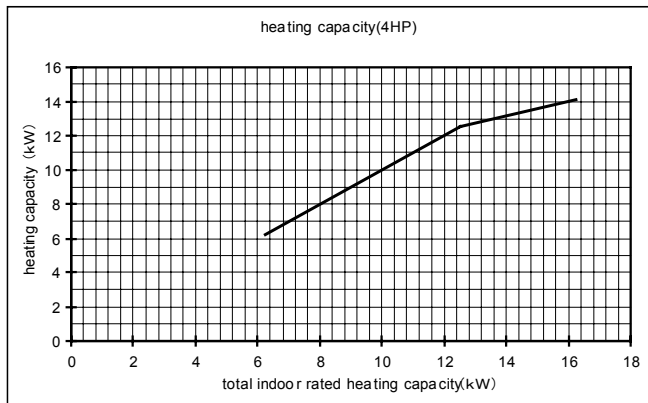
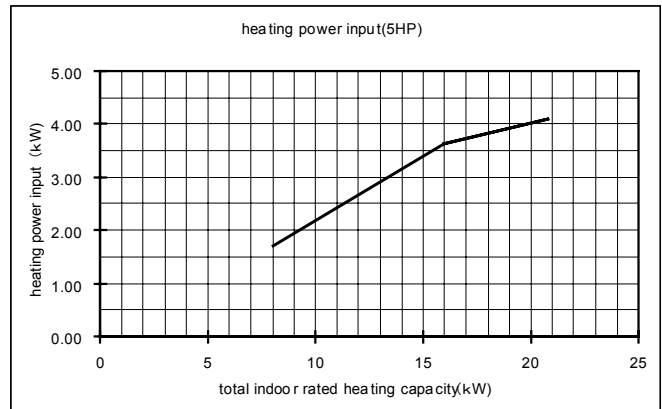
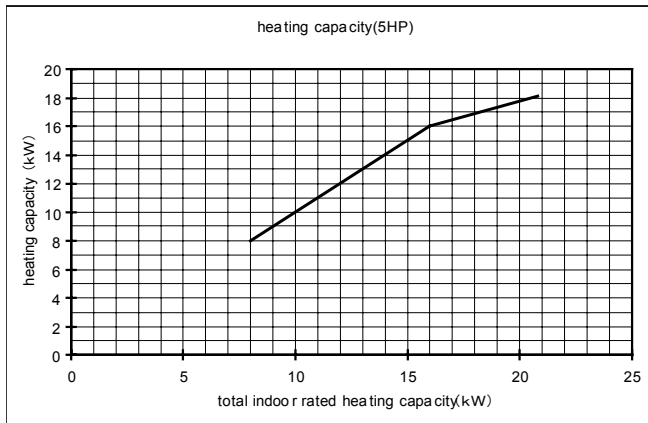
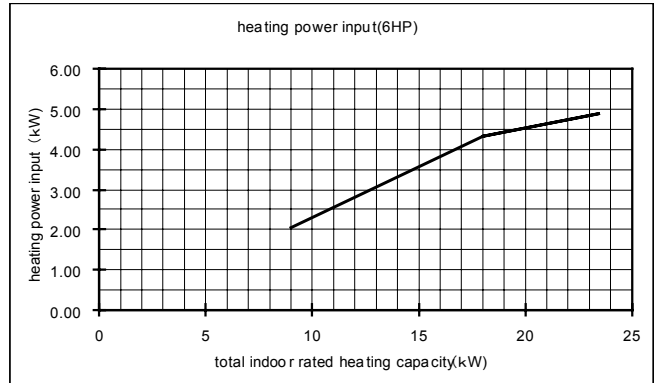
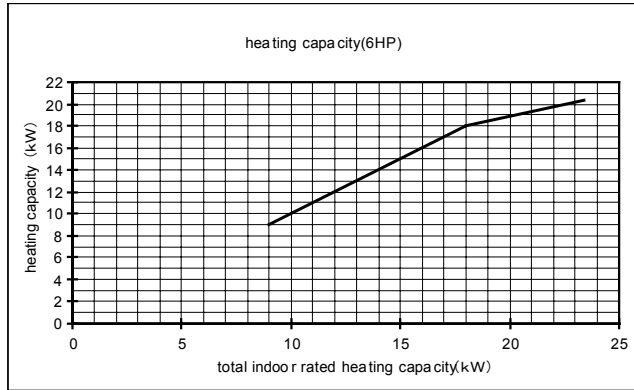
- Indoor cooling capacity (kW)

Cooling	Indoor unit	0.8HP	1.0HP	1.25HP	1.5HP	1.75HP	2.0HP	2.5HP	3.0HP	3.5HP
	Cooling capacity		2.2kW	2.8kW	3.2kW	3.6kW	4.5kW	5.6kW	6.3kW	7.1kW
Wall mounted		○	○		○	○	○	○	○	
Mini cassette		○	○		○	○	○			
Big cassette								○	○	○
Duct D4		○	○	○	○	○	○			
Duct D3						○	○	○	○	○



- Indoor heating capacity (kW)

Heating	Indoor unit	0.8HP	1.0HP	1.25HP	1.5HP	1.75HP	2.0HP	2.5HP	3.0HP	3.5HP
	Heating capacity	2.5kW	3.2kW	3.6kW	4.2kW	5.1kW	6.4kW	7.1kW	8.0kW	10.0kW
	Wall mounted	○	○		○	○	○	○	○	
	Mini cassette	○	○		○	○	○			
	Big cassette							○	○	○
	Duct D4	○	○	○	○	○	○			
	Duct D3					○	○	○	○	○



- Heating capacity correction factor

Outdoor air temperature (°CWB)	-15	-10	-8	-6	-4	-2	0	1	2	4	6
Correction factor	0.94	0.93	0.92	0.92	0.88	0.86	0.85	0.90	0.93	0.96	1.00

※ Heating capacity = (Heating capacity excluding defrost operation in the tables) x (correction factor) <kW>

- Explanation of correct capacity combination with example of minimum and maximum Kw
  - 4HP (an example of maximum kW)
    - Outdoor unit: U-4LA1E5 (maximum combination capacity: 14.6kW)
    - Indoor units: S-22KA1E5 (2.2kW) x 5+S-36KA1E5 (3.6kW)
    - Total capacity of indoor units selected: 14.6kW
  - 4HP (an example of maximum kW)
    - Outdoor unit: U-4LA1E5 (maximum combination capacity: 5.6kW)
    - Indoor units: S-22KA1E5 (2.2kW) x 5 + S-36KA1E5 (3.6kW)
    - Total capacity of indoor units selected: 5.6kW
  - 5HP (an example of maximum kW)
    - Outdoor unit: U-5LA1E5 (maximum combination capacity: 18.2kW)
    - Indoor units: S-22KA1E5 (2.2kW) x 7 + S-28KA1E5 (2.8kW)
    - Total capacity of indoor units selected: 18.2kW
  - 5HP (an example of maximum kW)
    - Outdoor unit: U-5LA1E5 (maximum combination capacity: 7.0kW)
    - Indoor units: S-36KA1E5 (3.6kW) x 2
    - Total capacity of indoor units selected: 7.2 kW
  - 6HP (an example of maximum kW)
    - Outdoor unit: U-6LA1E5 (maximum combination capacity: 20.2kW)
    - Indoor units: S-22KA1E5 (2.2kW) x 5 + S-28KA1E5 (2.8kW) x 2 + S-36KA1E5 (3.6kW)
    - Total capacity of indoor units selected: 20.2kW
  - 6HP (an example of maximum kW)
    - Outdoor unit: U-6LA1E5 (maximum combination capacity: 7.8kW)
    - Indoor units: S-22KA1E5 (2.2kW) + S-56KA1E5 (5.6kW)
    - Total capacity of indoor units selected: 7.8kW

## 19.7 Air Flow Volume

### 19.7.1 Wall Mounted Type Indoor Unit

			S-22KA1E5 (S)	S-28KA1E5 (S)	S-36KA1E5 (S)	S-45KA1E5 (S)
Cooling	Hi	m <sup>3</sup> /min	9.5	9.7	10.9	11.3
	Me	m <sup>3</sup> /min	8.2	8.3	9.4	9.7
	Lo	m <sup>3</sup> /min	6.9	6.8	7.9	8.2
Heating	Hi	m <sup>3</sup> /min	10.3	10.9	11.6	12.1
	Me	m <sup>3</sup> /min	9.4	9.5	10.2	10.6
	Lo	m <sup>3</sup> /min	8.4	8.4	8.8	9.1

			S-56KA1E5	S-63KA1E5	S-71KA1E5
Cooling	Hi	m <sup>3</sup> /min	15.3	16.0	17.4
	Me	m <sup>3</sup> /min	13.2	13.7	14.7
	Lo	m <sup>3</sup> /min	11.1	11.4	12.0
Heating	Hi	m <sup>3</sup> /min	16.7	17.1	18.3
	Me	m <sup>3</sup> /min	15.0	15.1	16.0
	Lo	m <sup>3</sup> /min	13.4	13.1	13.7

### 19.7.2 60 x 60 Cassette Type Indoor Unit

			S-22YA1E5	S-28YA1E5	S-36YA1E5	S-45YA1E5
Cooling	Hi	m <sup>3</sup> /min	8.3	8.6	9.0	9.3
	Me	m <sup>3</sup> /min	7.3	7.4	7.7	7.9
	Lo	m <sup>3</sup> /min	6.2	6.2	6.4	6.5
Heating	Hi	m <sup>3</sup> /min	9.3	9.6	9.9	10.3
	Me	m <sup>3</sup> /min	8.1	8.4	8.7	9.0
	Lo	m <sup>3</sup> /min	7.4	7.7	8.0	8.3

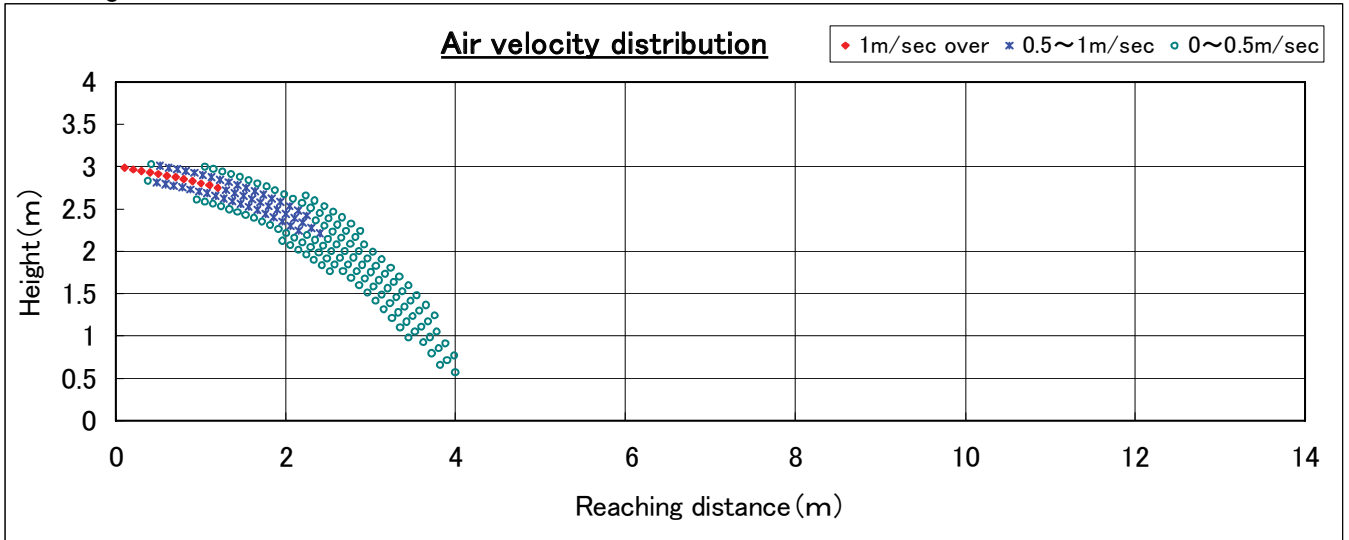
			S-56YA1E5
Cooling	Hi	m <sup>3</sup> /min	9.9
	Me	m <sup>3</sup> /min	8.6
	Lo	m <sup>3</sup> /min	7.2
Heating	Hi	m <sup>3</sup> /min	10.6
	Me	m <sup>3</sup> /min	9.4
	Lo	m <sup>3</sup> /min	8.6



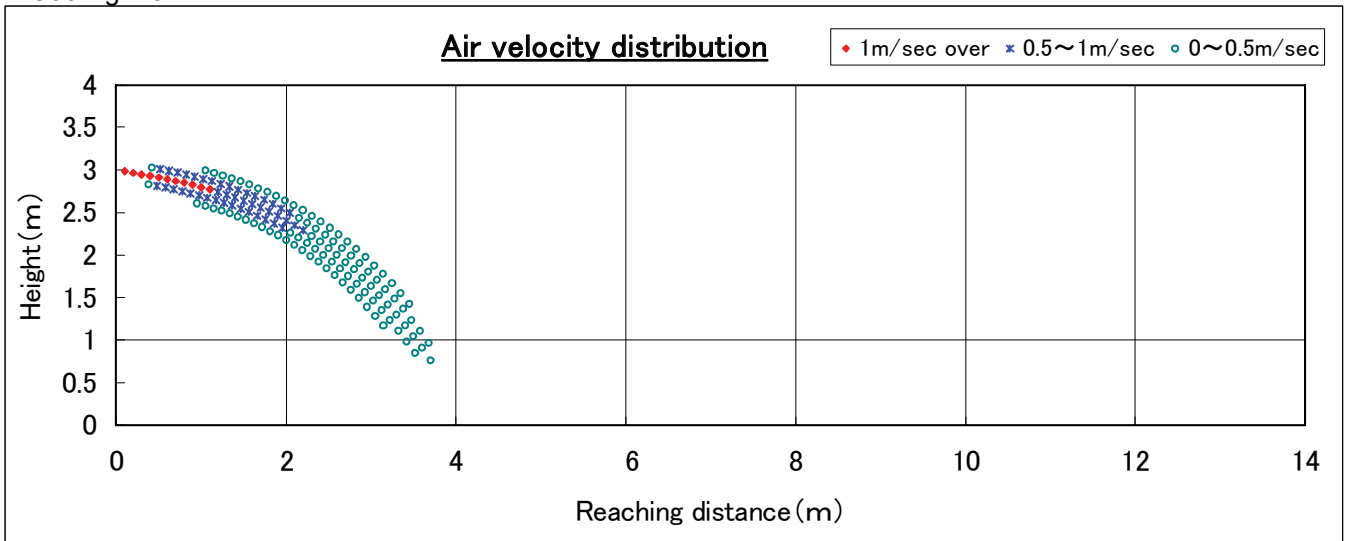
**S-22YA1E5**

Airflow direction : 20°

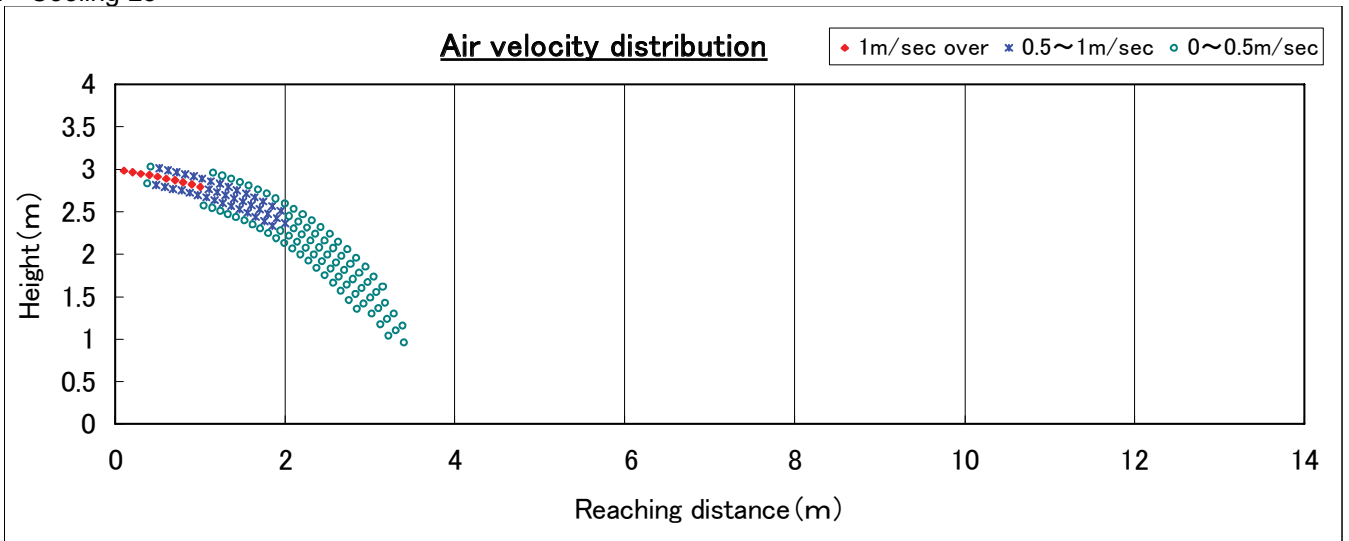
1. Cooling Hi



2. Cooling Me

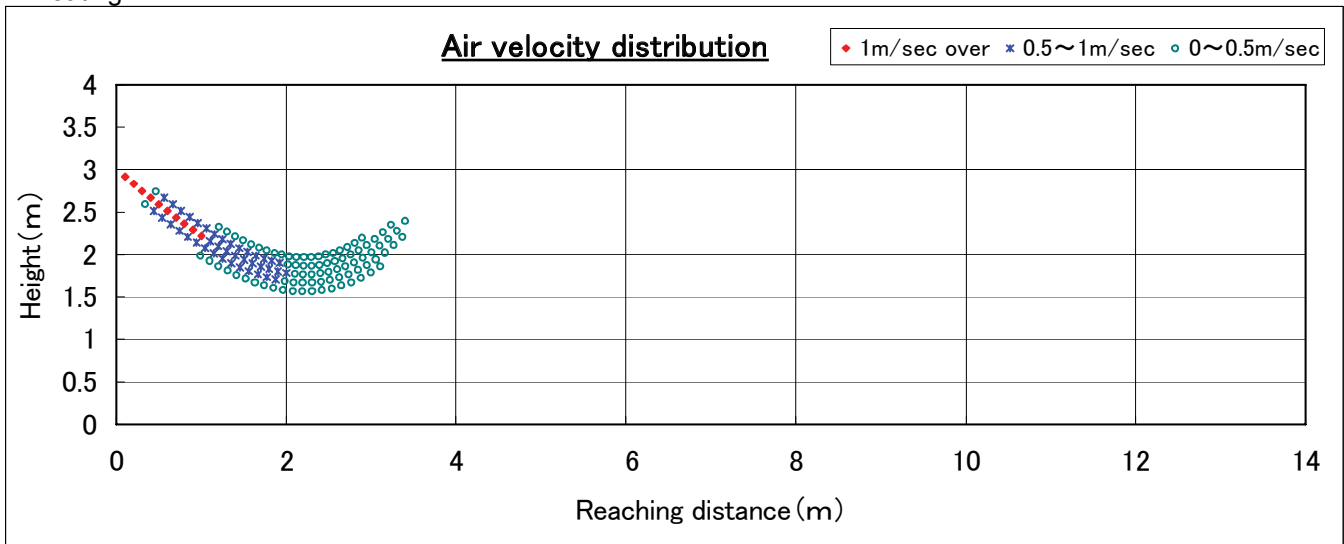


3. Cooling Lo

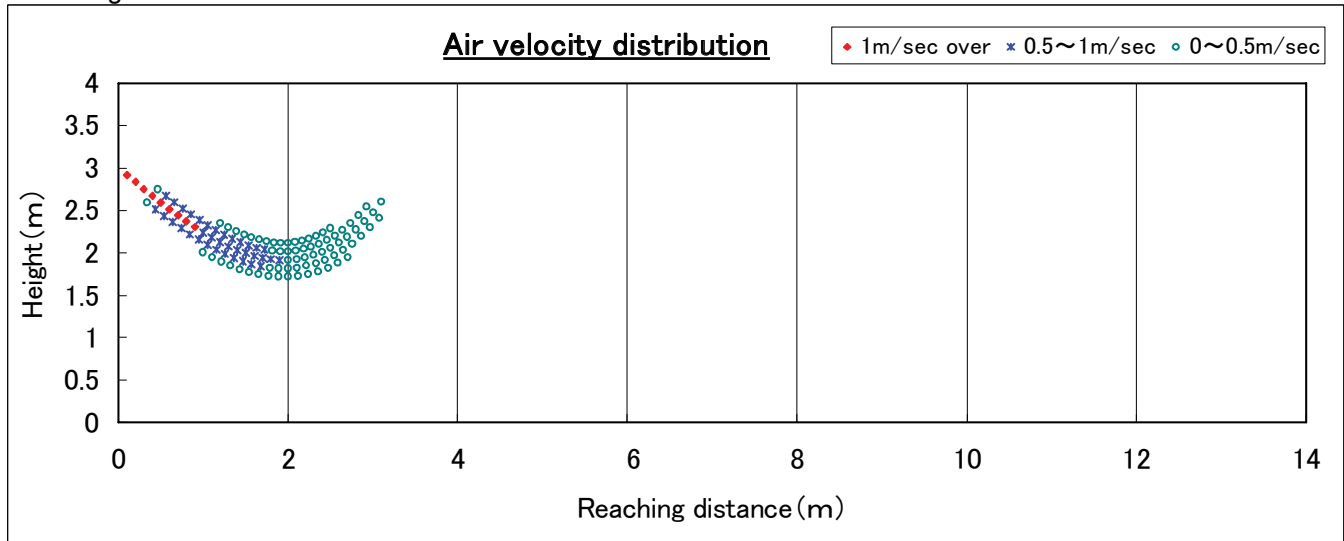


Airflow direction : 70°

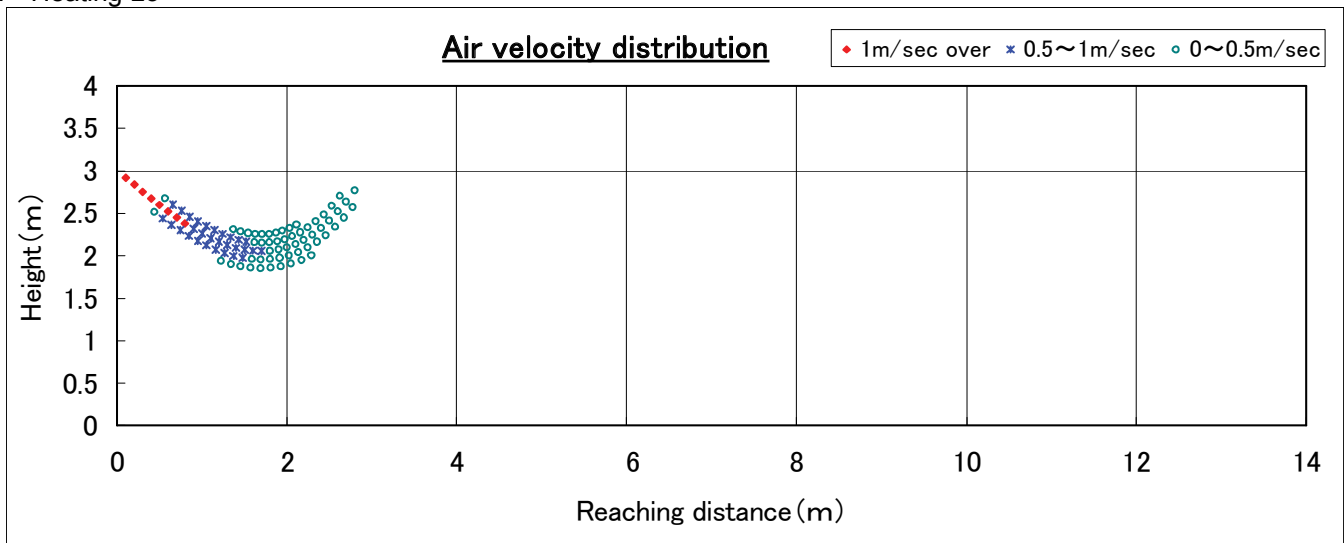
1. Heating Hi



2. Heating Me



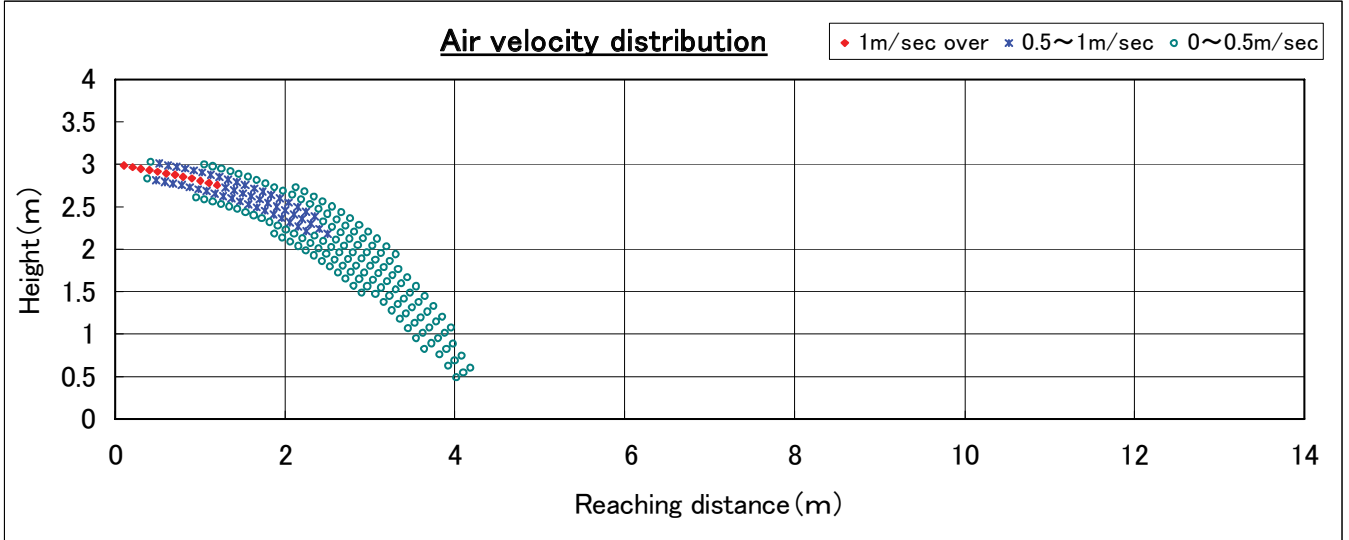
3. Heating Lo



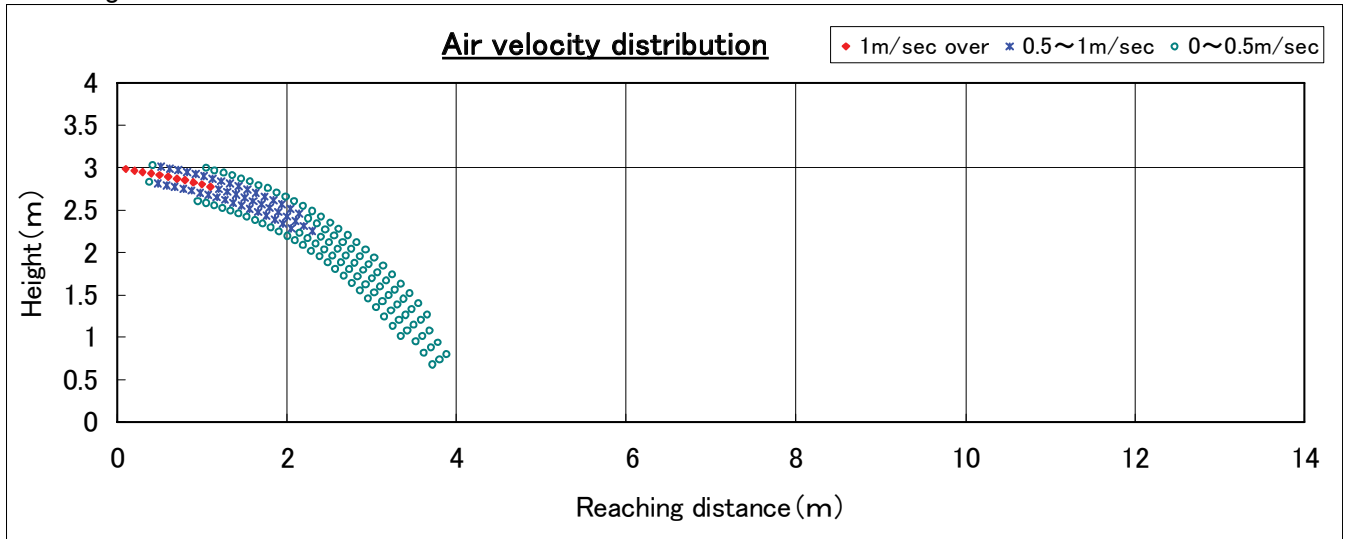
**S-28YA1E5**

Airflow direction : 20°

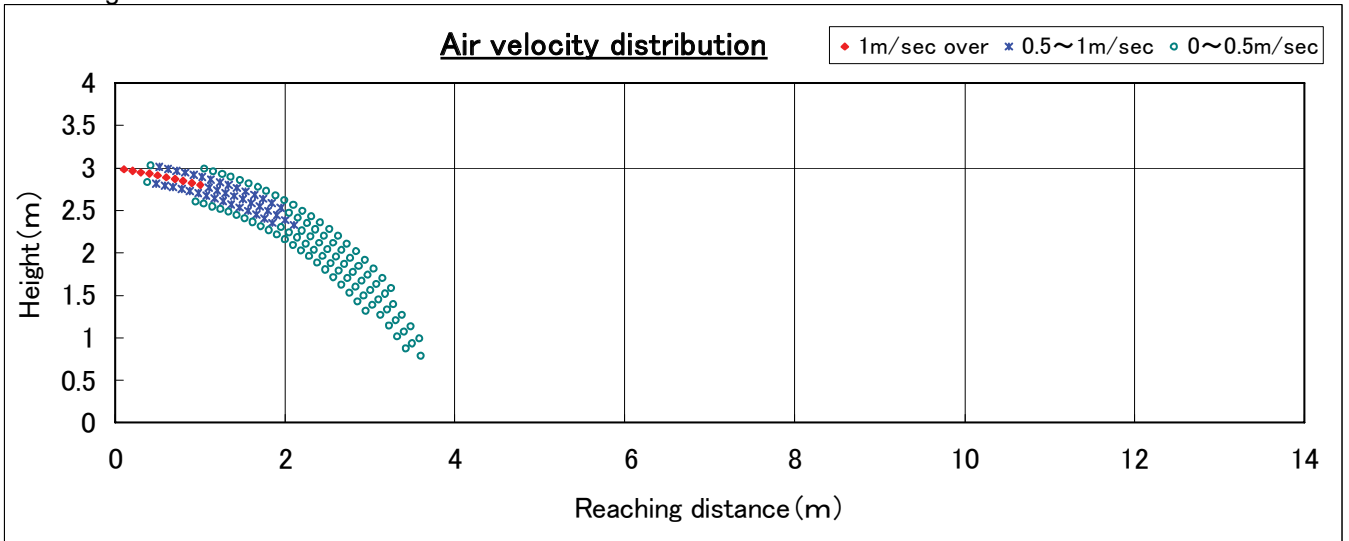
1. Cooling Hi



2. Cooling Me

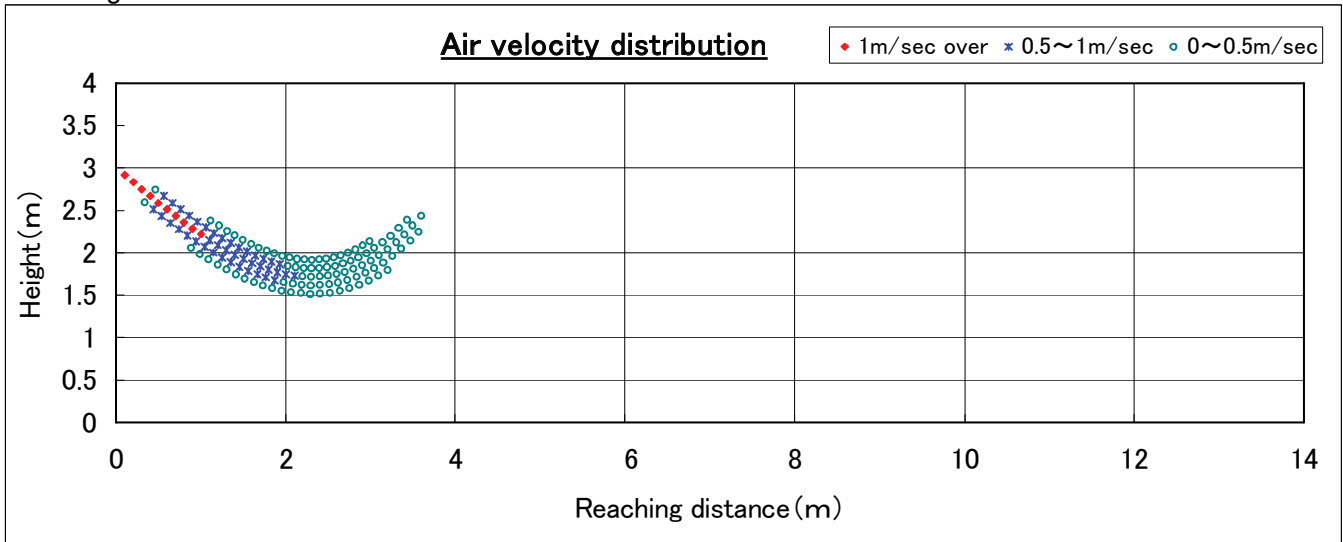


3. Cooling Lo

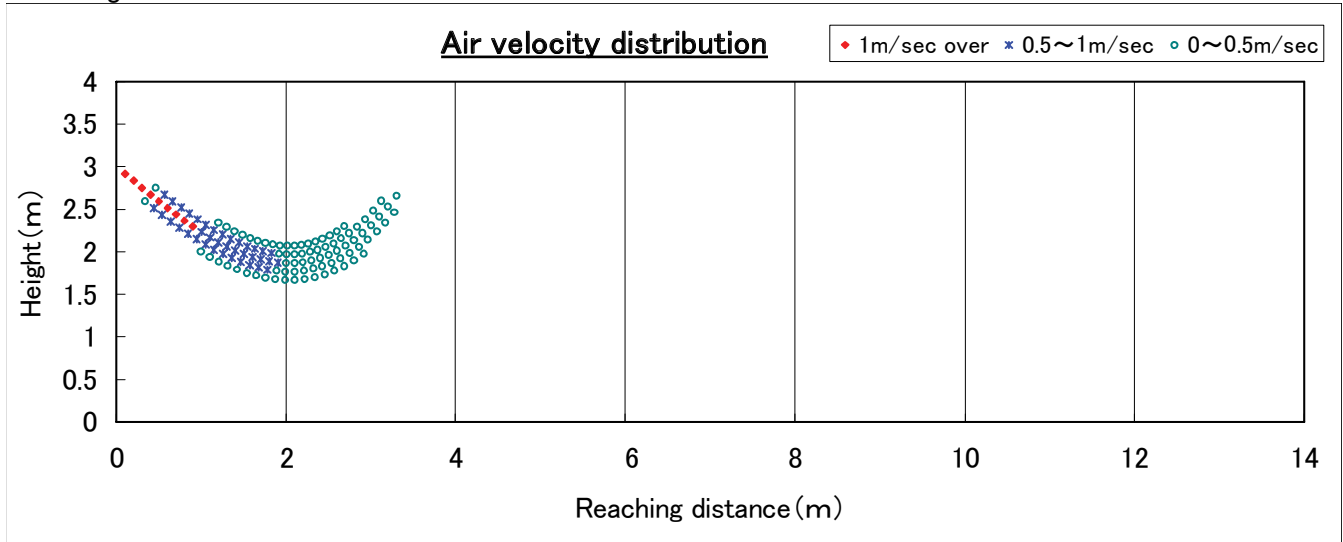


Airflow direction : 70°

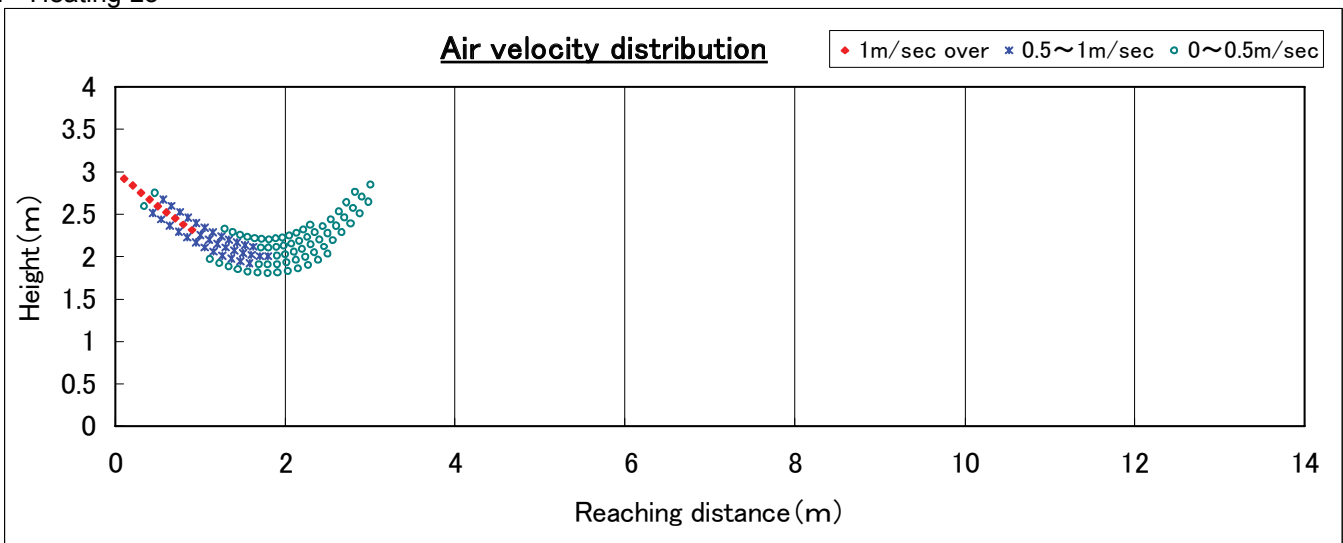
1. Heating Hi



2. Heating Me



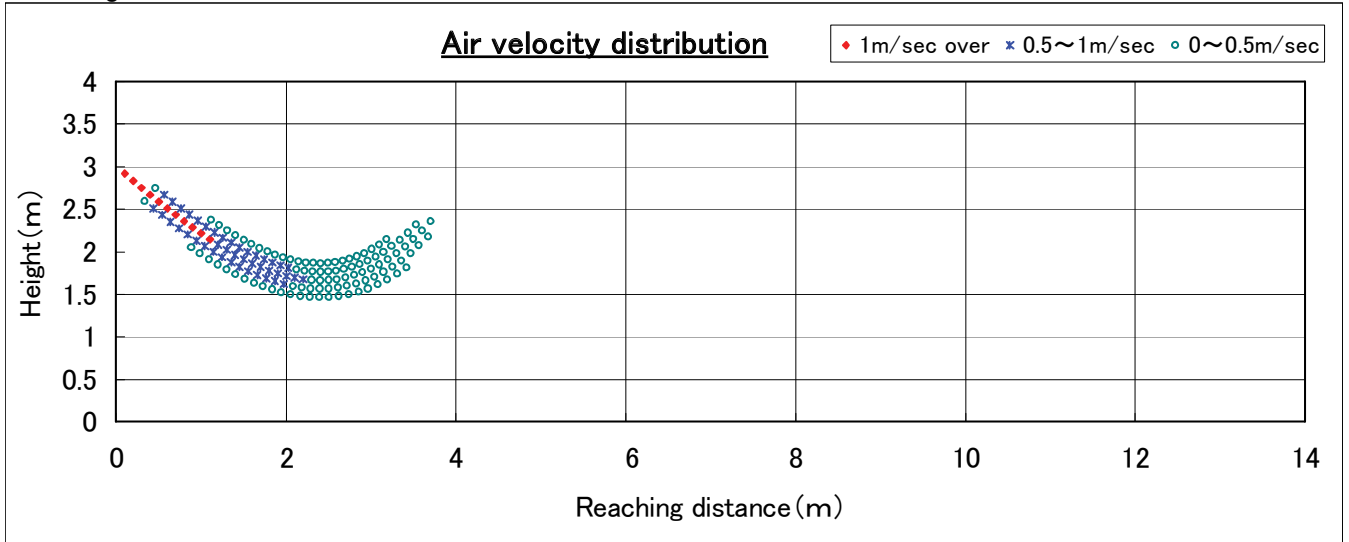
3. Heating Lo



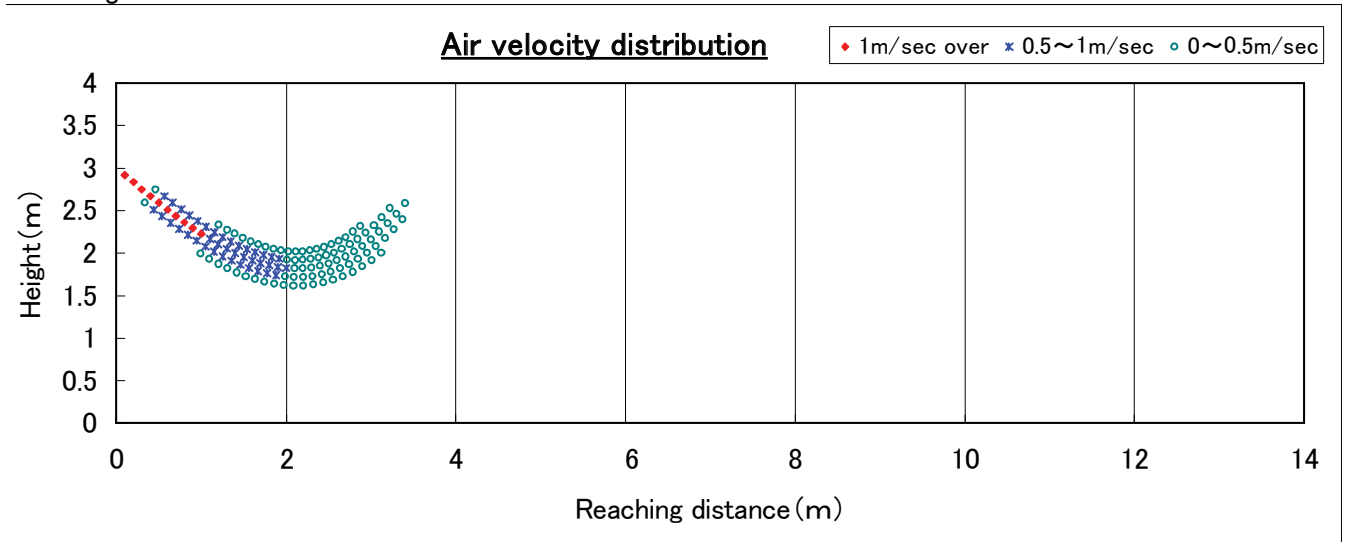
**S-36YA1E5**

Airflow direction : 20°

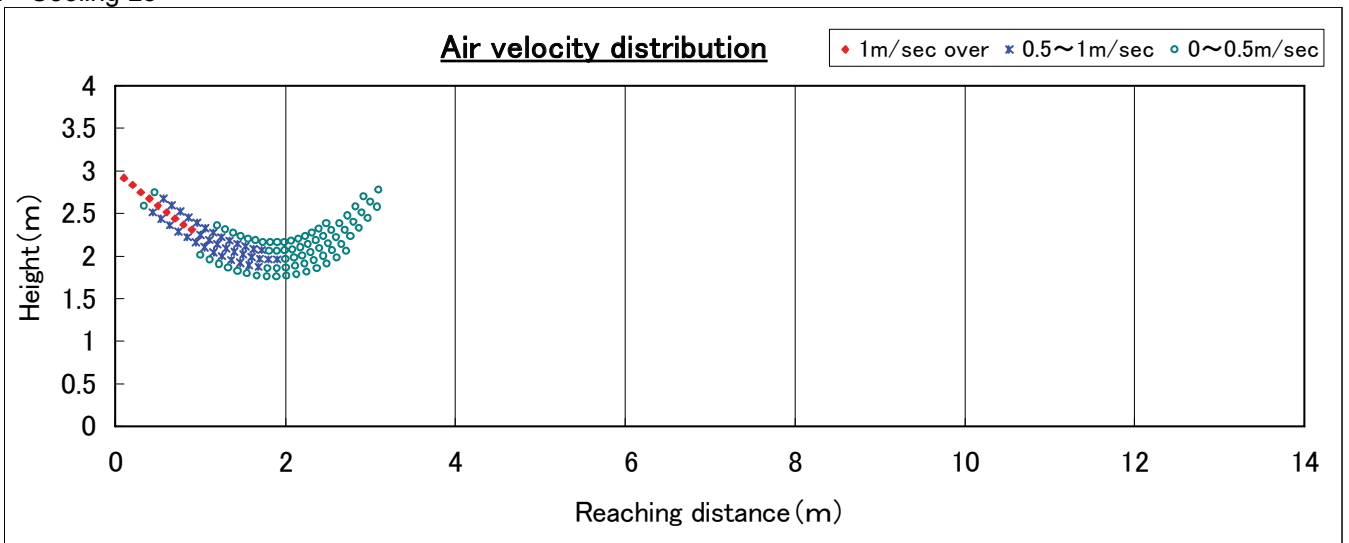
1. Cooling Hi



2. Cooling Me

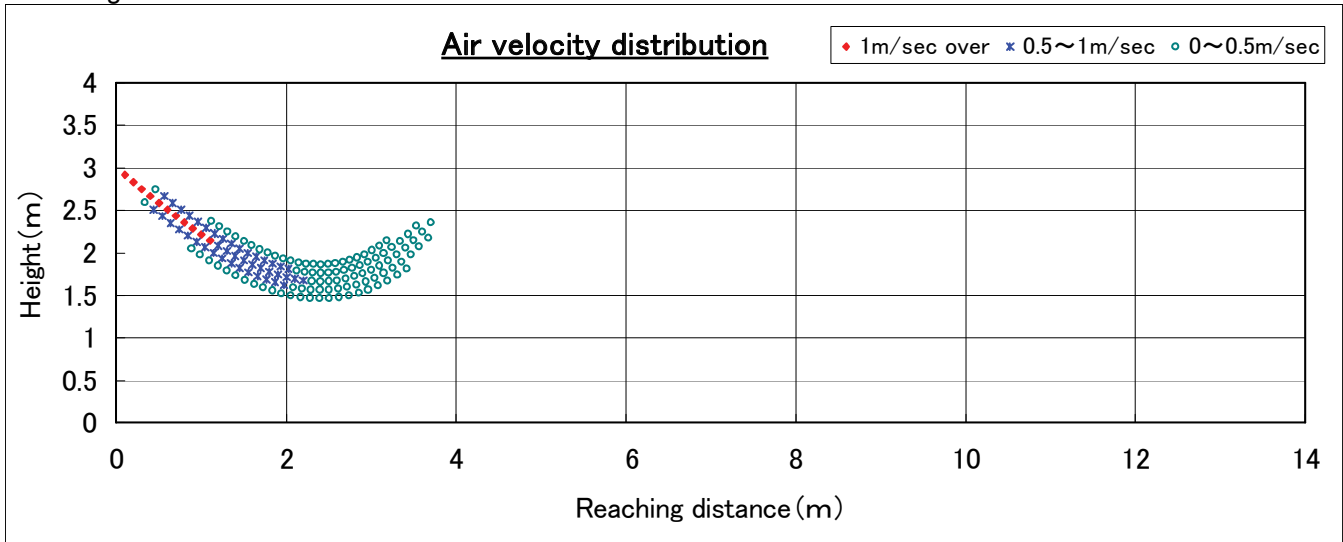


3. Cooling Lo

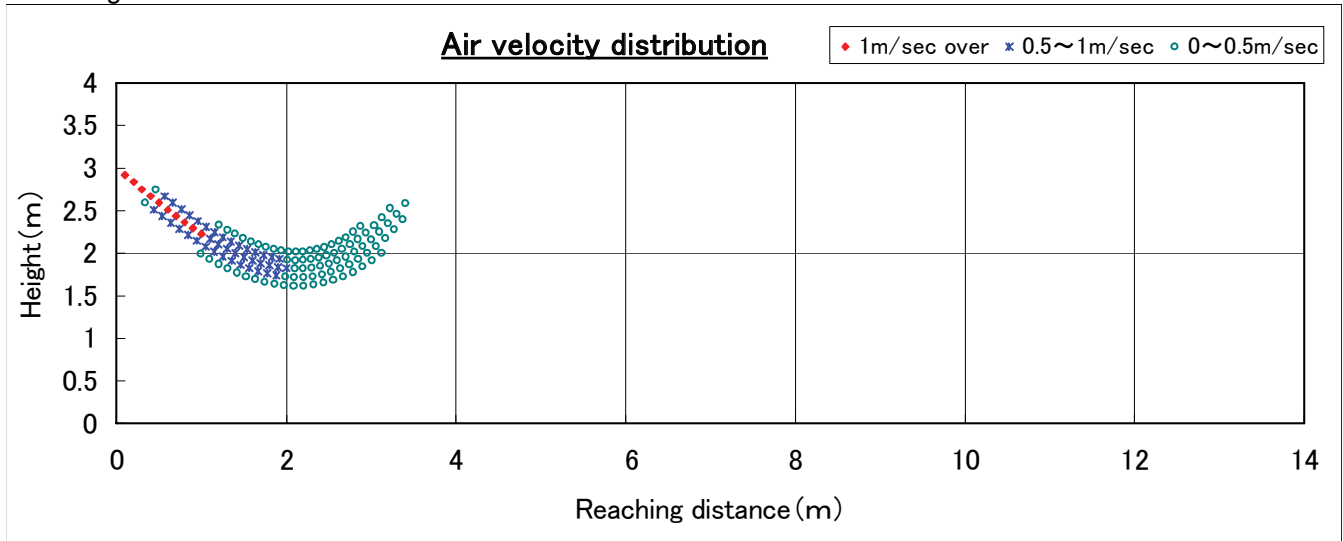


Airflow direction : 70°

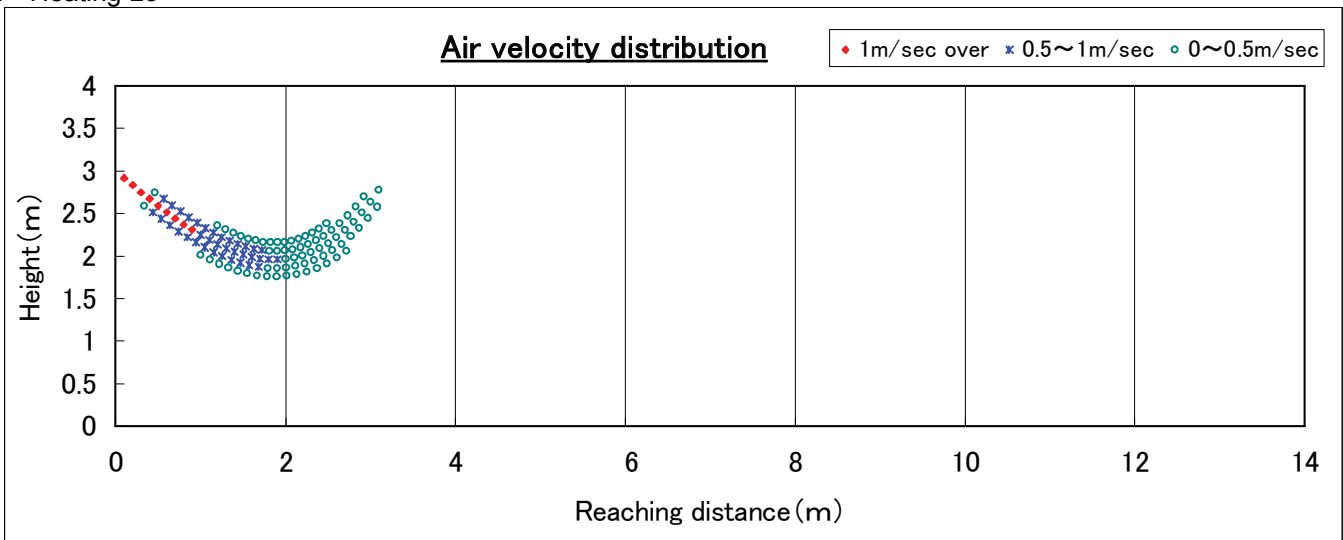
1. Heating Hi



2. Heating Me



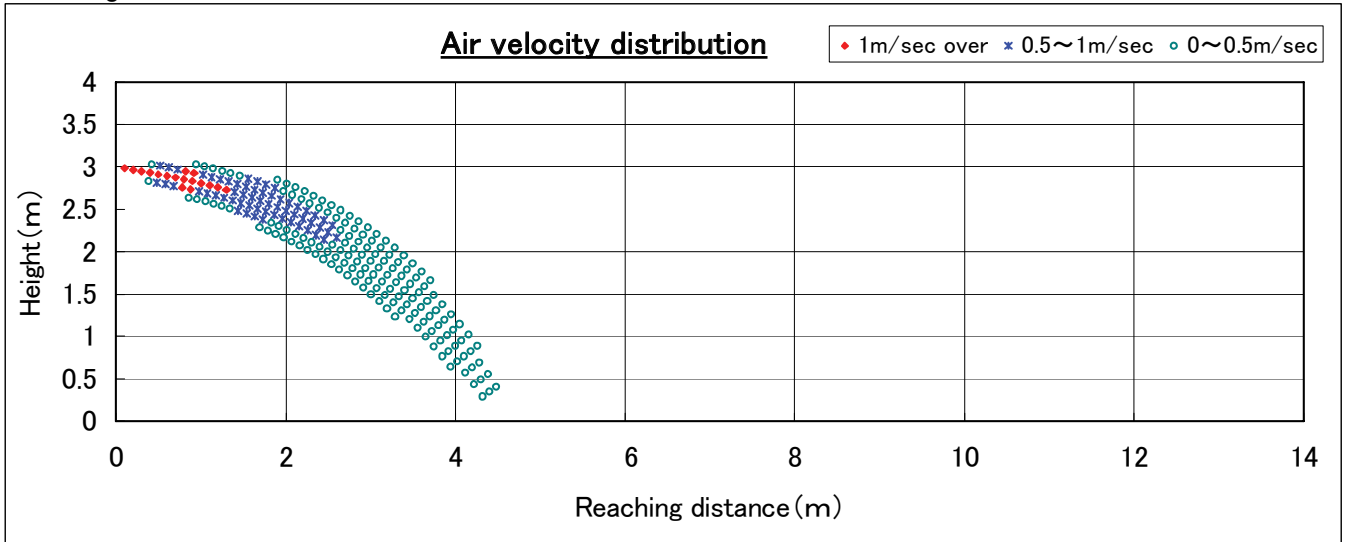
3. Heating Lo



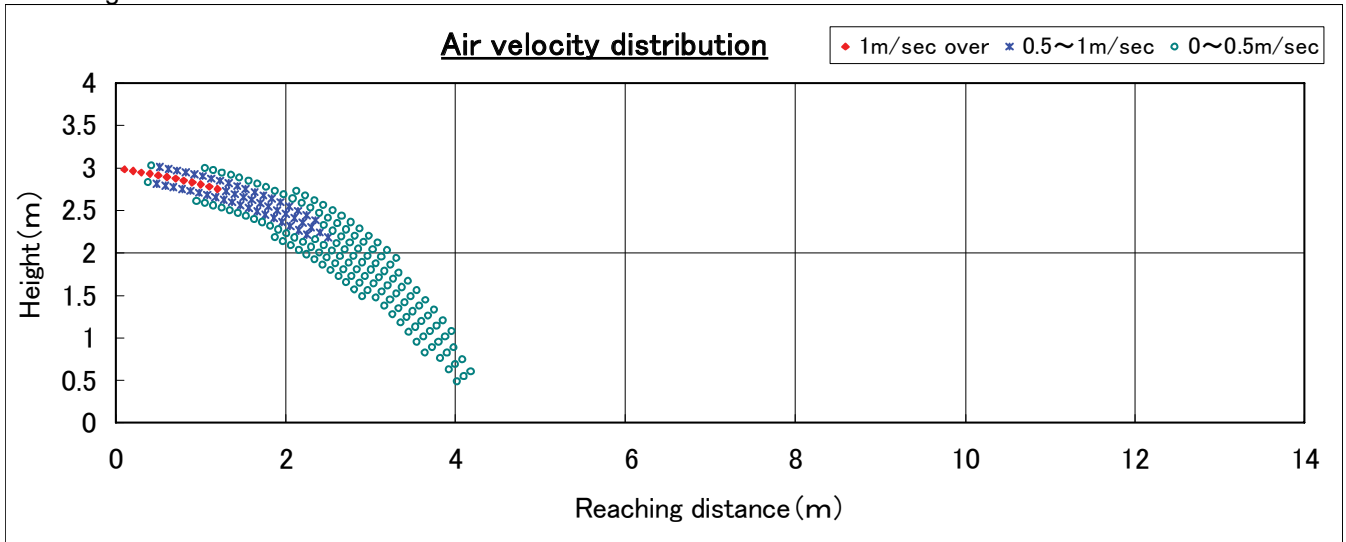
**S-45YA1E5**

Airflow direction : 20°

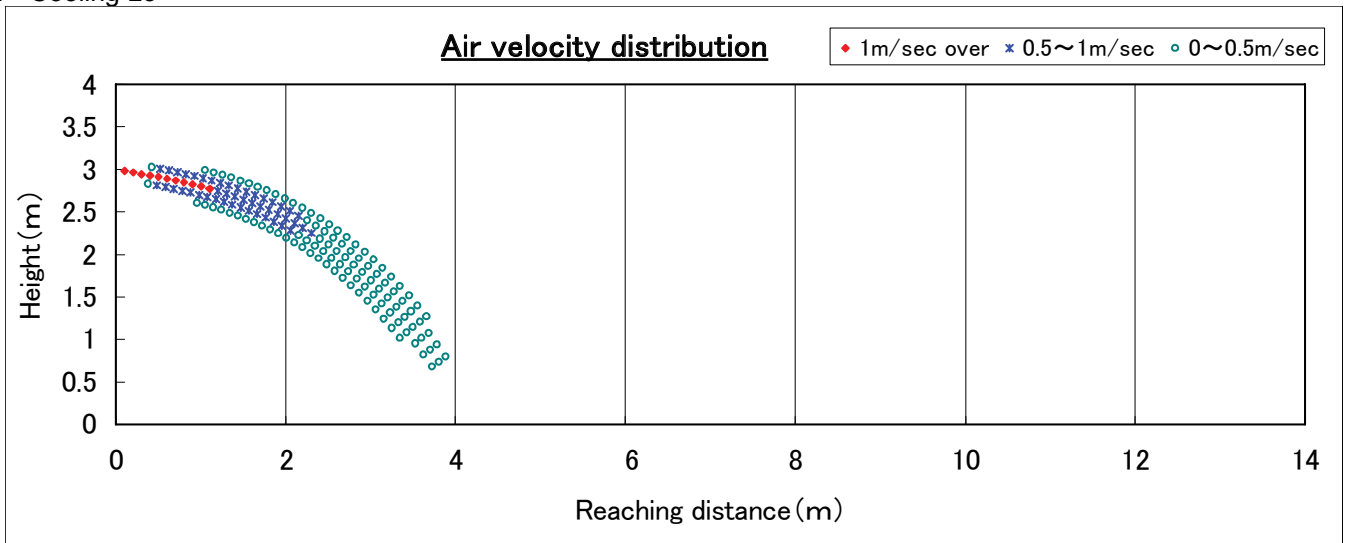
1. Cooling Hi



2. Cooling Me

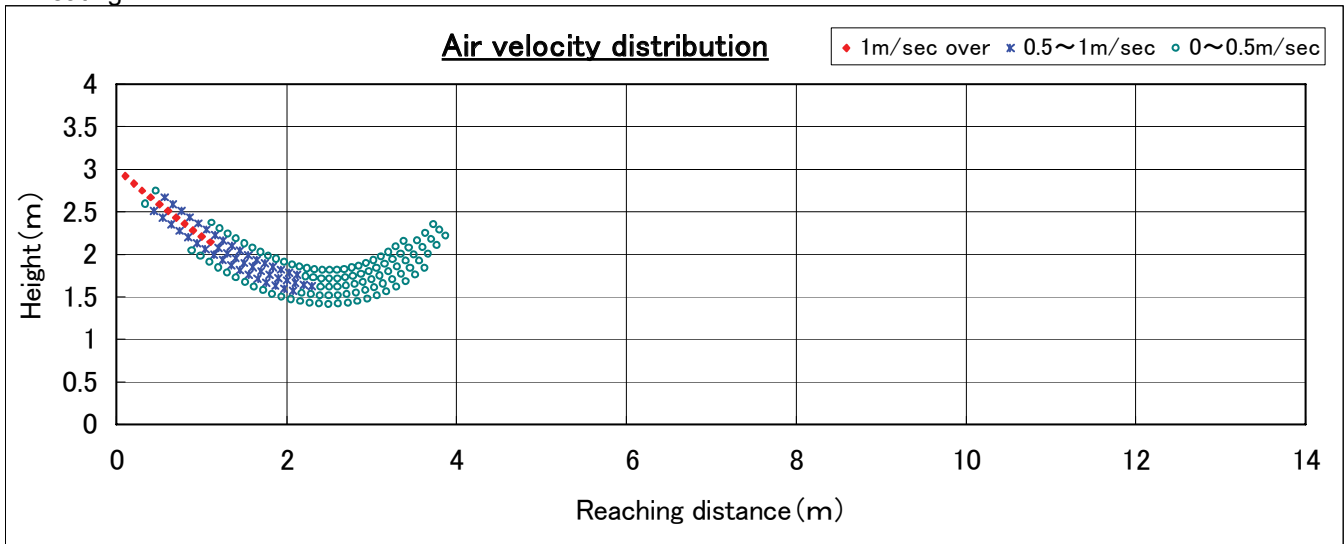


3. Cooling Lo

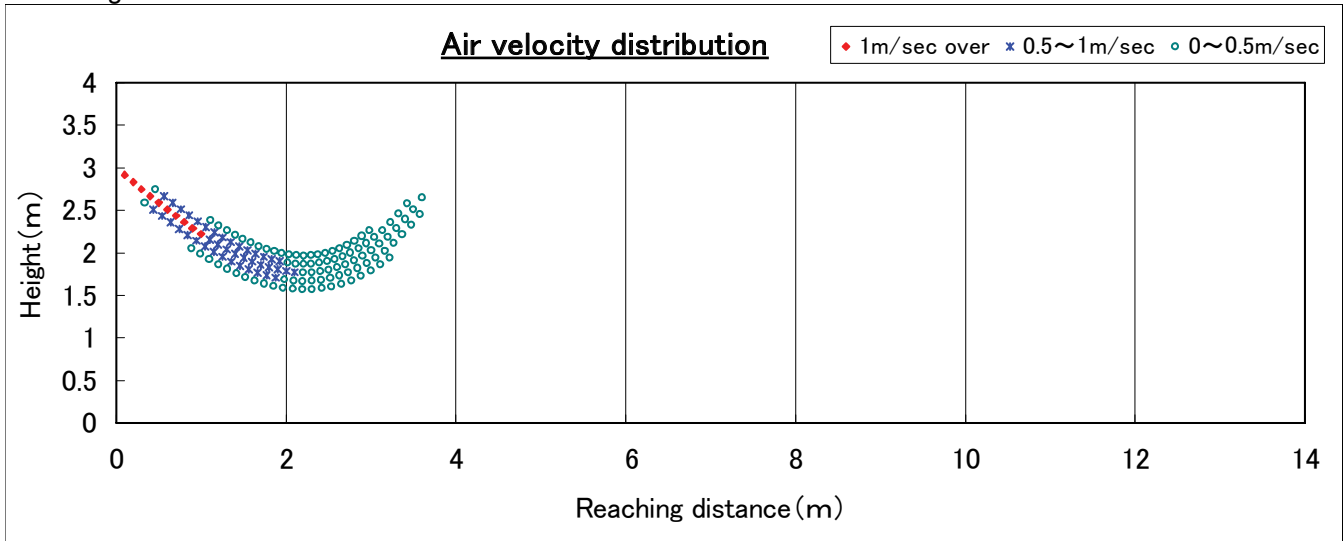


Airflow direction : 70°

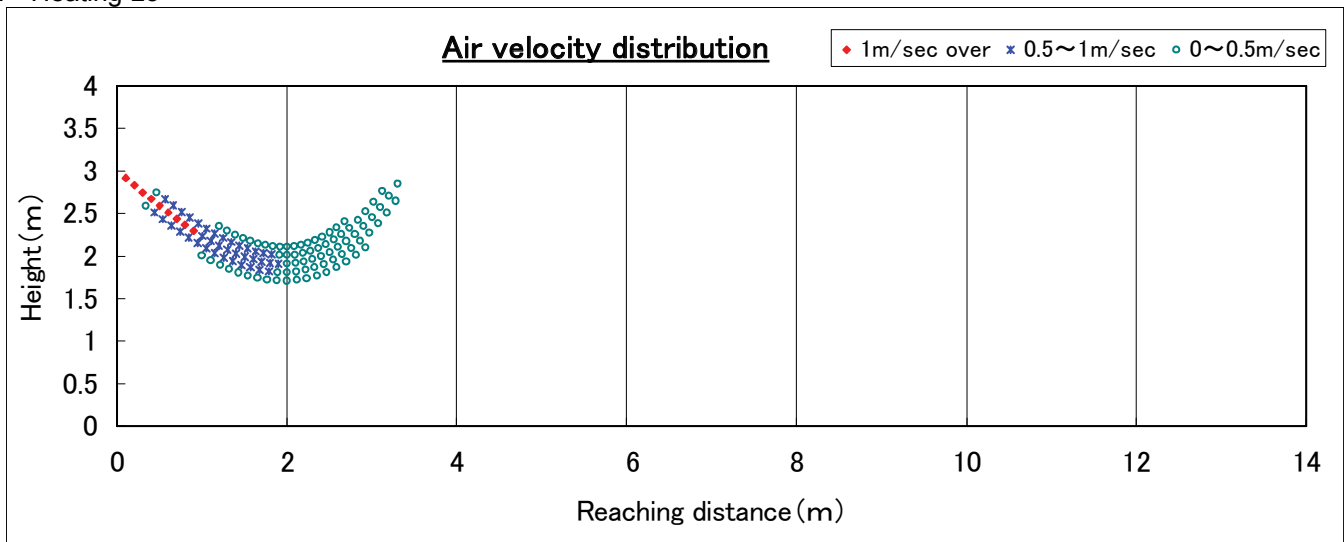
1. Heating Hi



2. Heating Me



3. Heating Lo

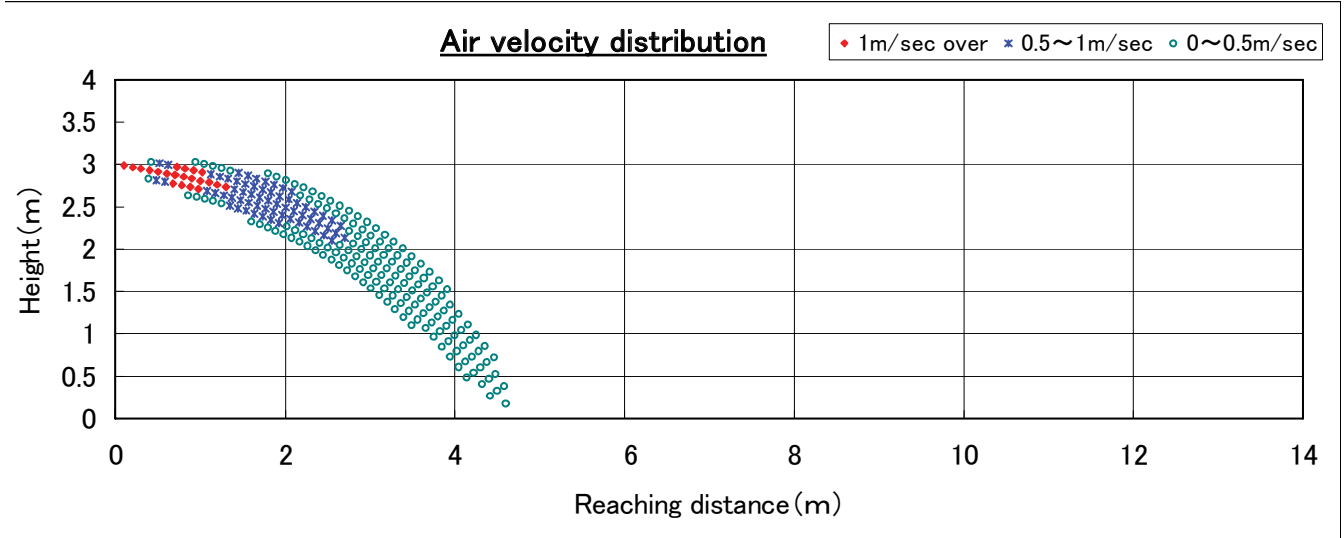




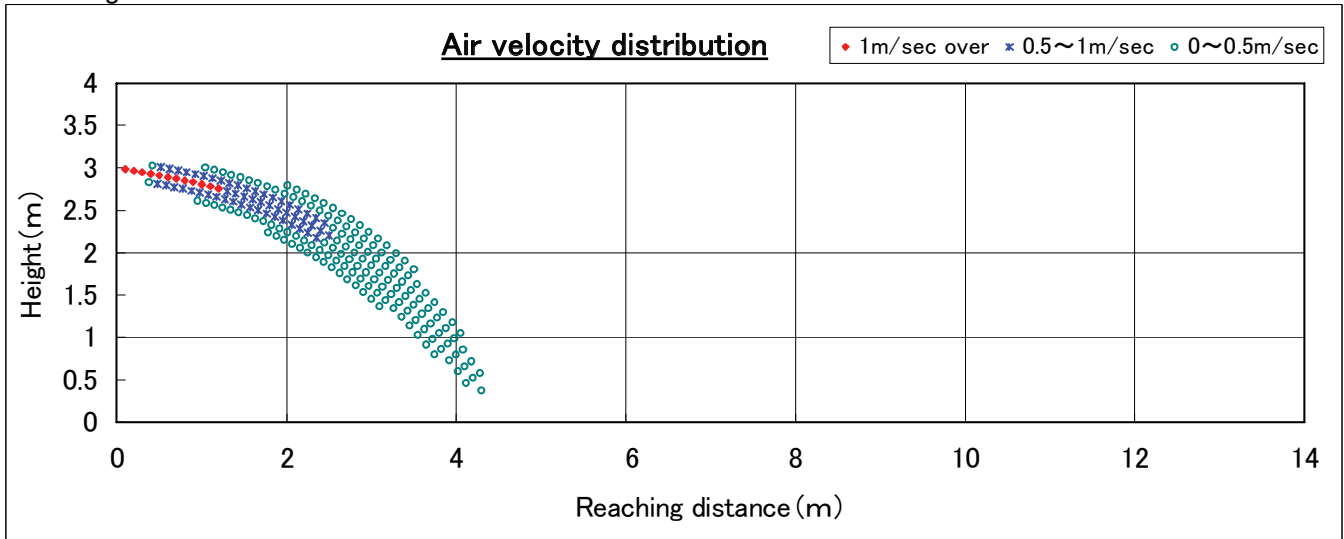
**S-56YA1E5**

Airflow direction : 20°

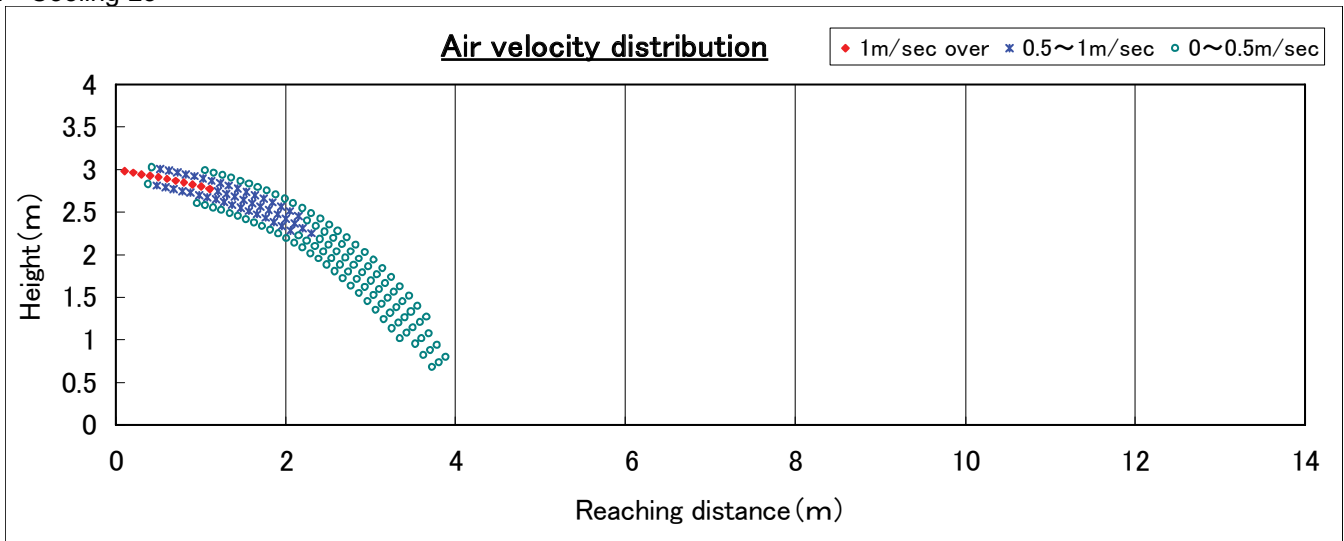
1. Cooling Hi



2. Cooling Me

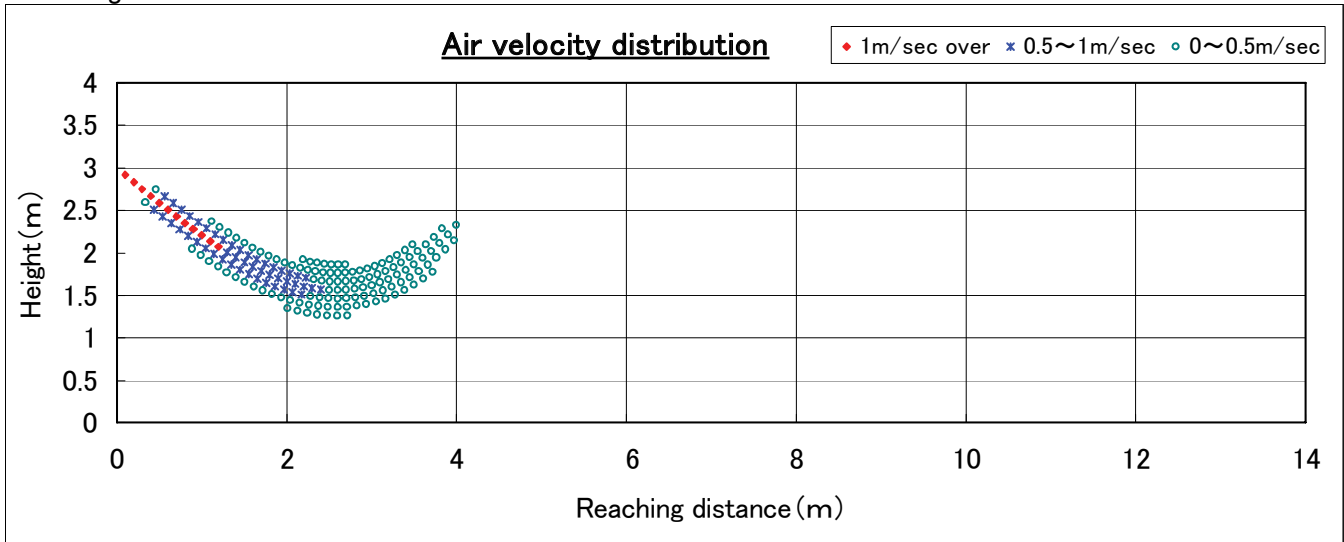


3. Cooling Lo

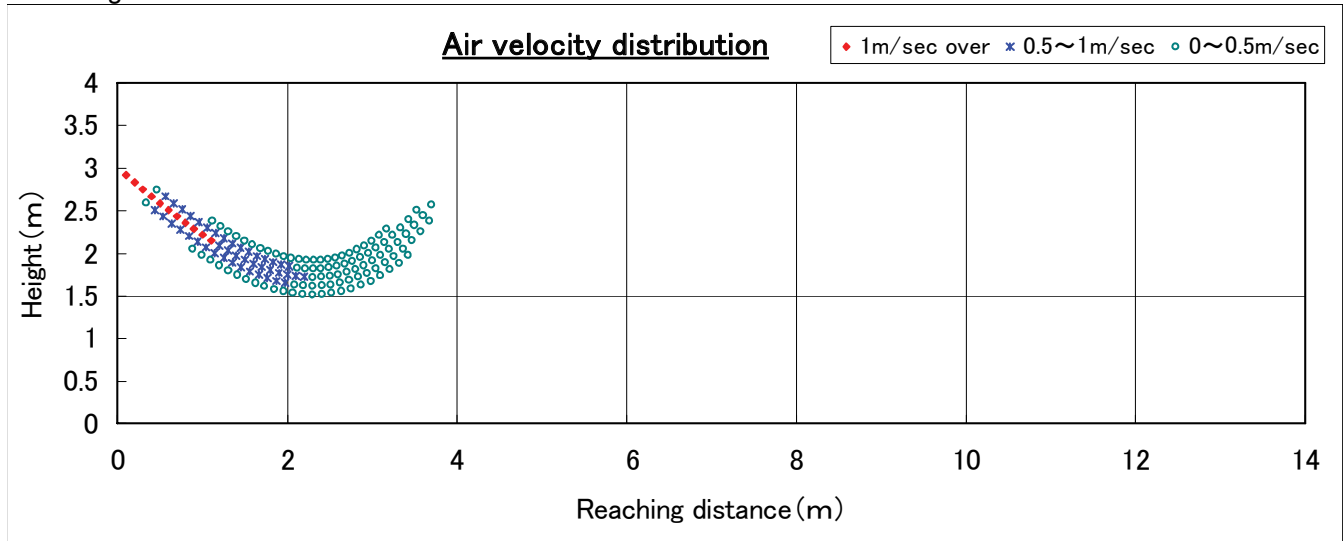


Airflow direction : 70°

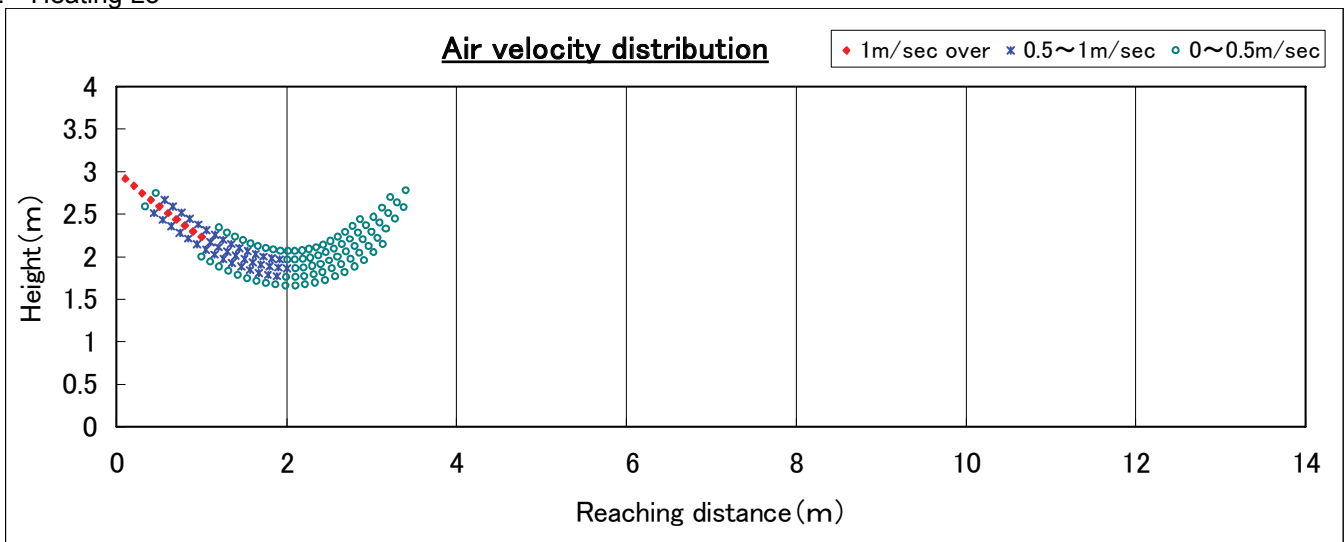
1. Heating Hi



2. Heating Me



3. Heating Lo



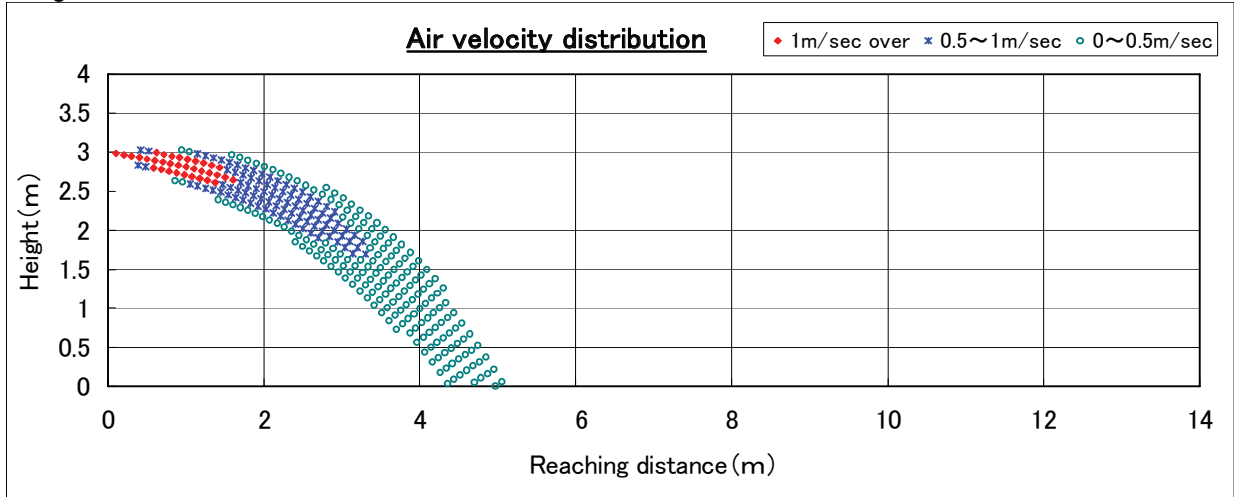
### 19.7.3 90 x 90 Cassette Type Indoor Unit

		S-63UA1E5	S-71UA1E5	S-90UA1E5
Hi	m <sup>3</sup> /min	21.0	22.0	22.0
Me	m <sup>3</sup> /min	19.0	20.0	20.0
Lo	m <sup>3</sup> /min	17.0	18.0	18.0

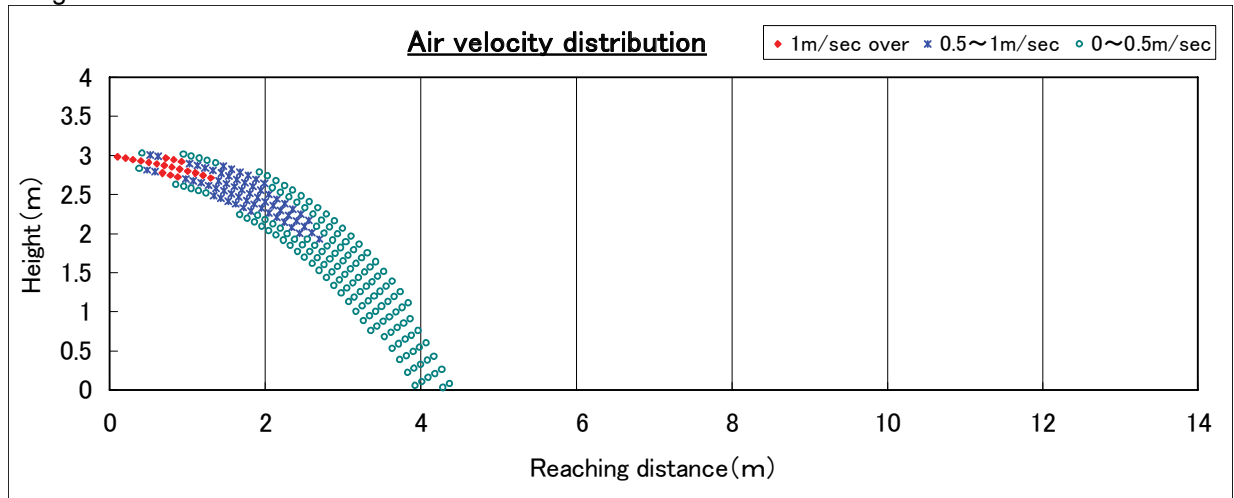
#### S-63UA1E5

Airflow direction : 20°

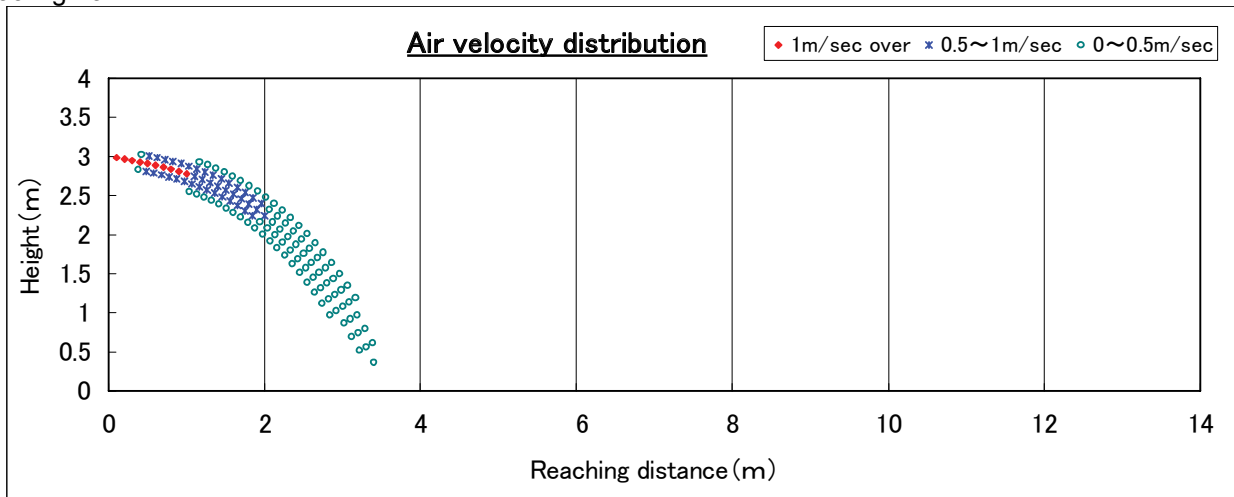
##### 1. Cooling Hi



##### 2. Cooling Me

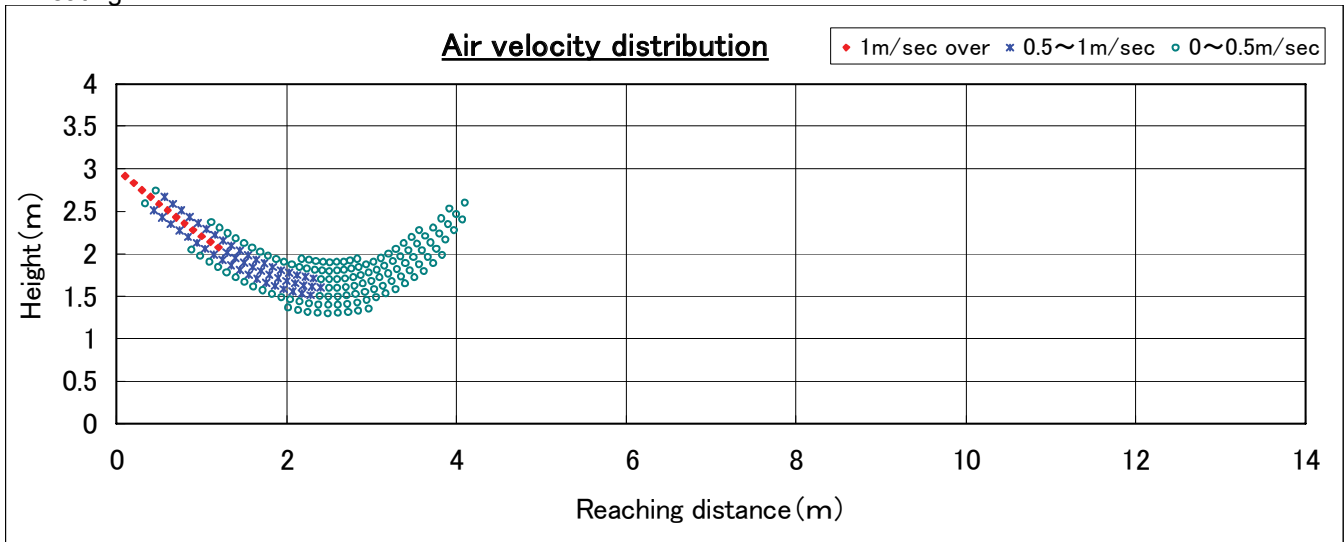


##### 3. Cooling Lo

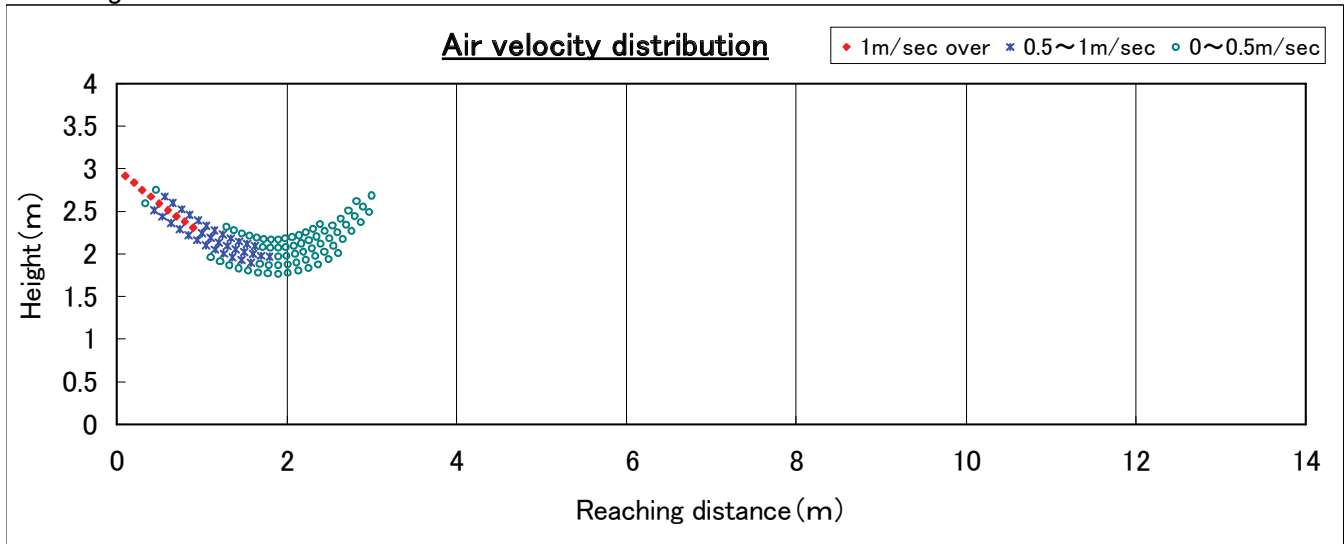


Airflow direction : 70°

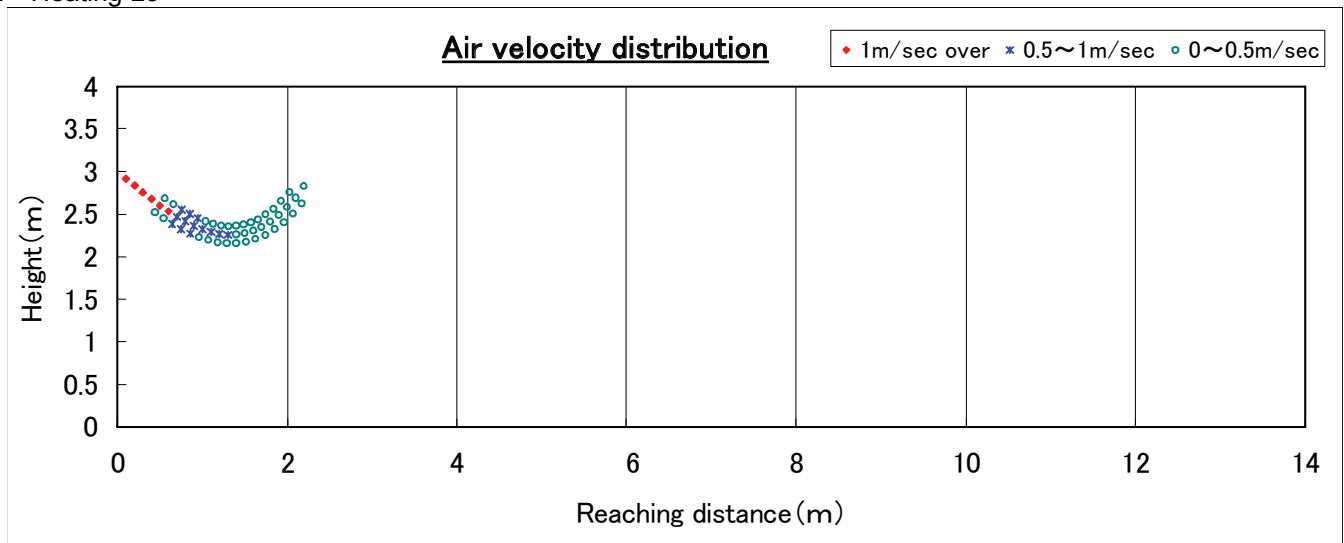
1. Heating Hi



2. Heating Me



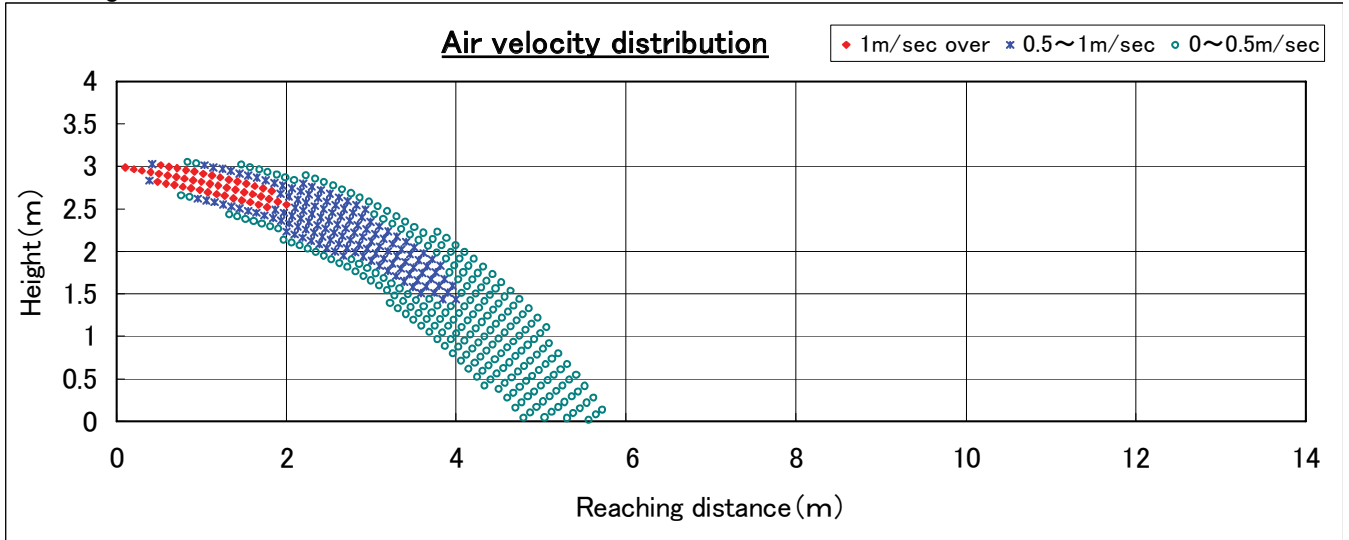
3. Heating Lo



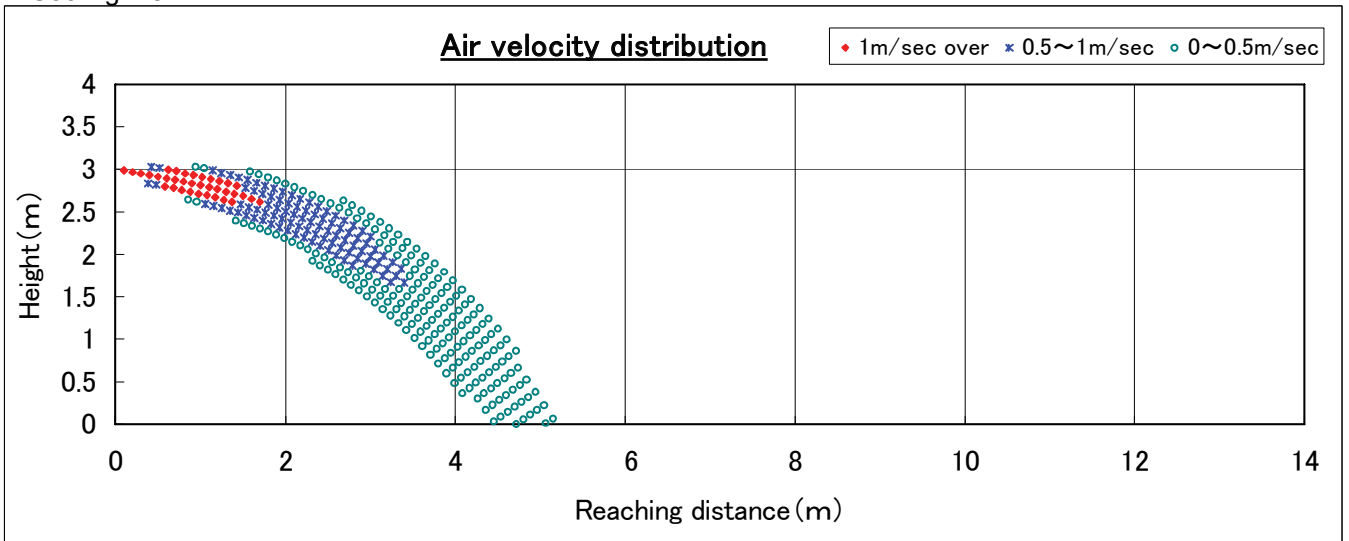
**S-71UA1E5**

Airflow direction : 20°

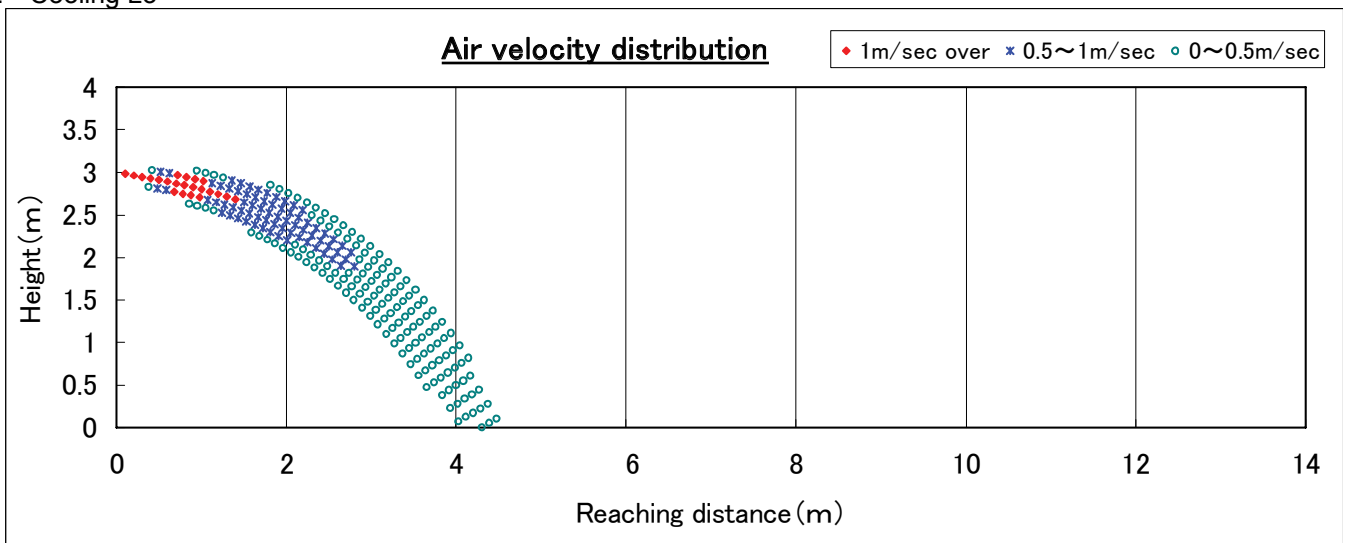
1. Cooling Hi



2. Cooling Me

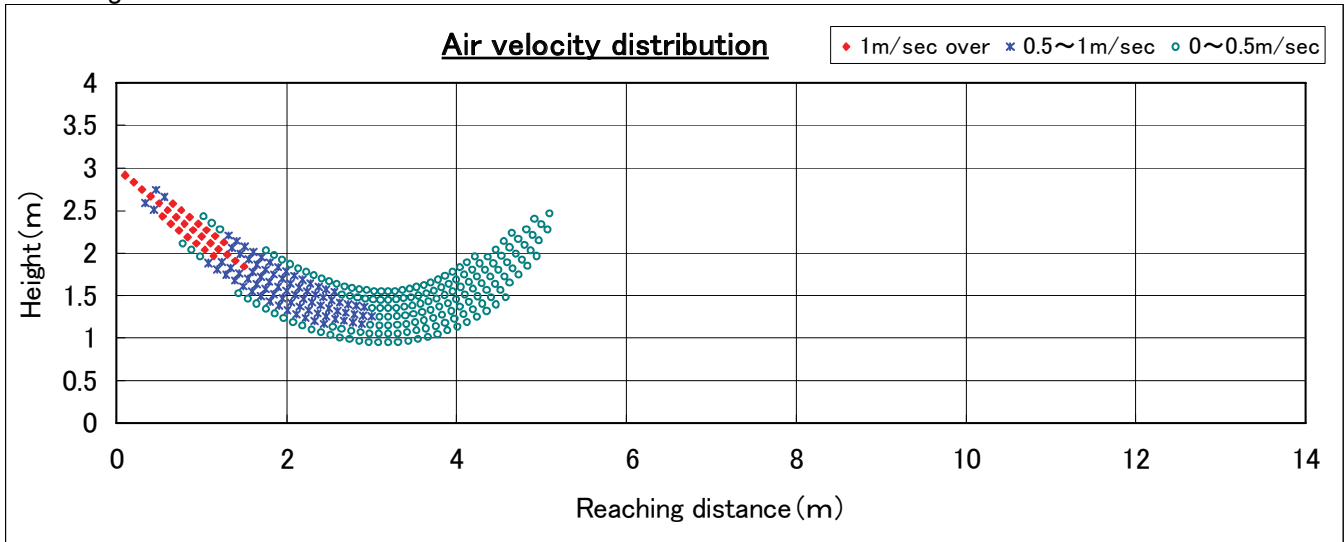


3. Cooling Lo

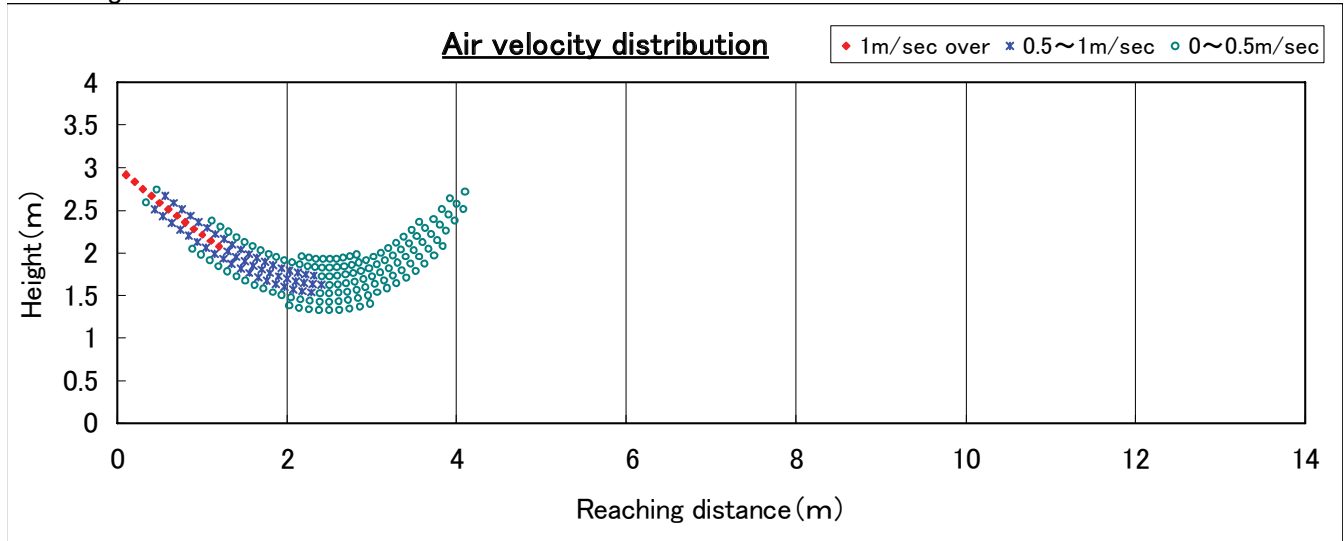


Airflow direction : 70°

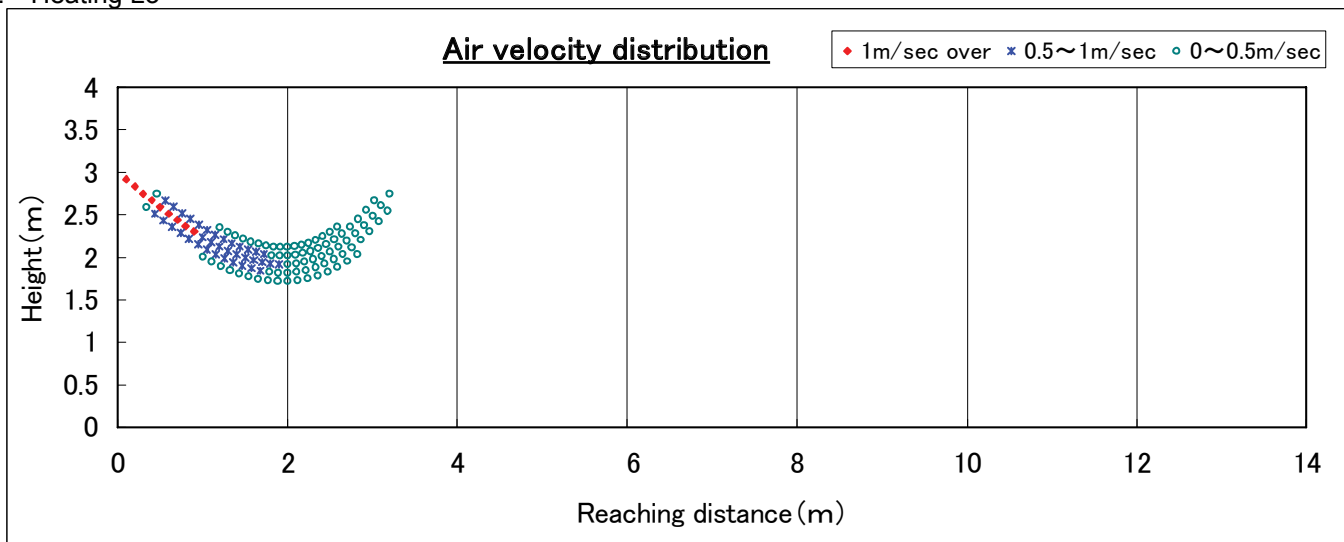
1. Heating Hi



2. Heating Me



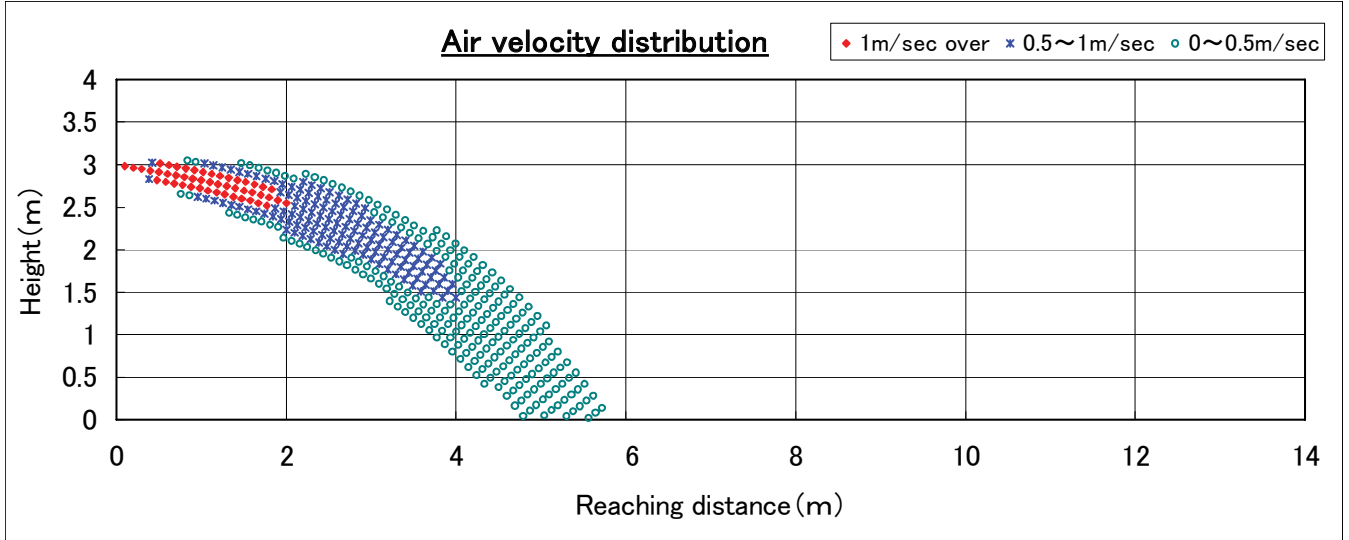
3. Heating Lo



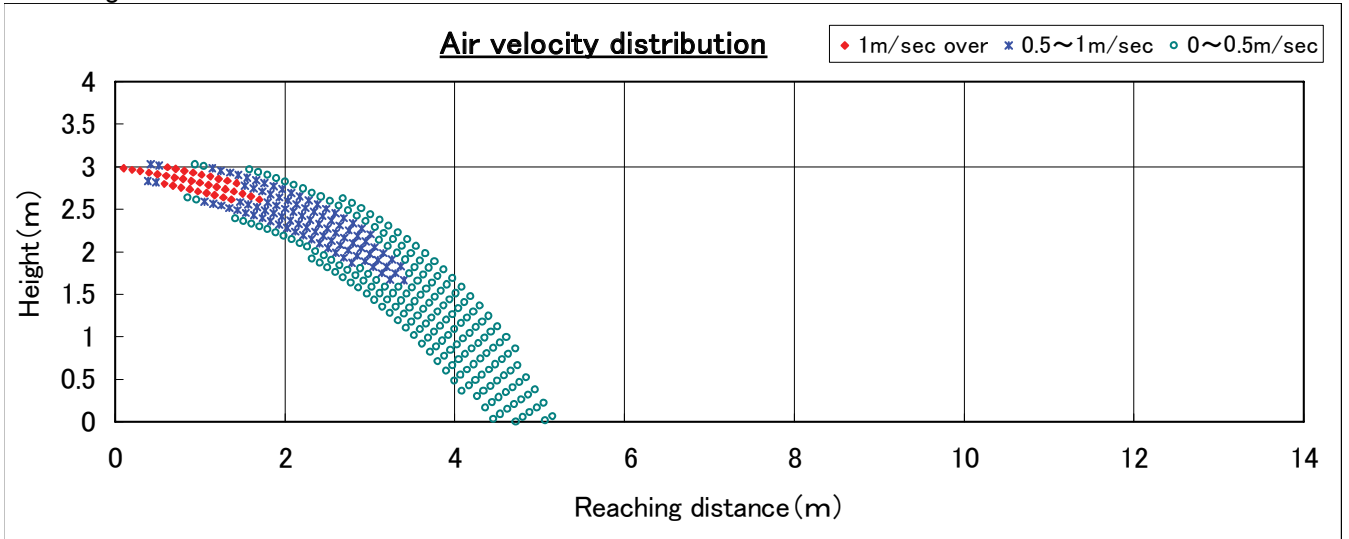
**S-90UA1E5**

Airflow direction : 20°

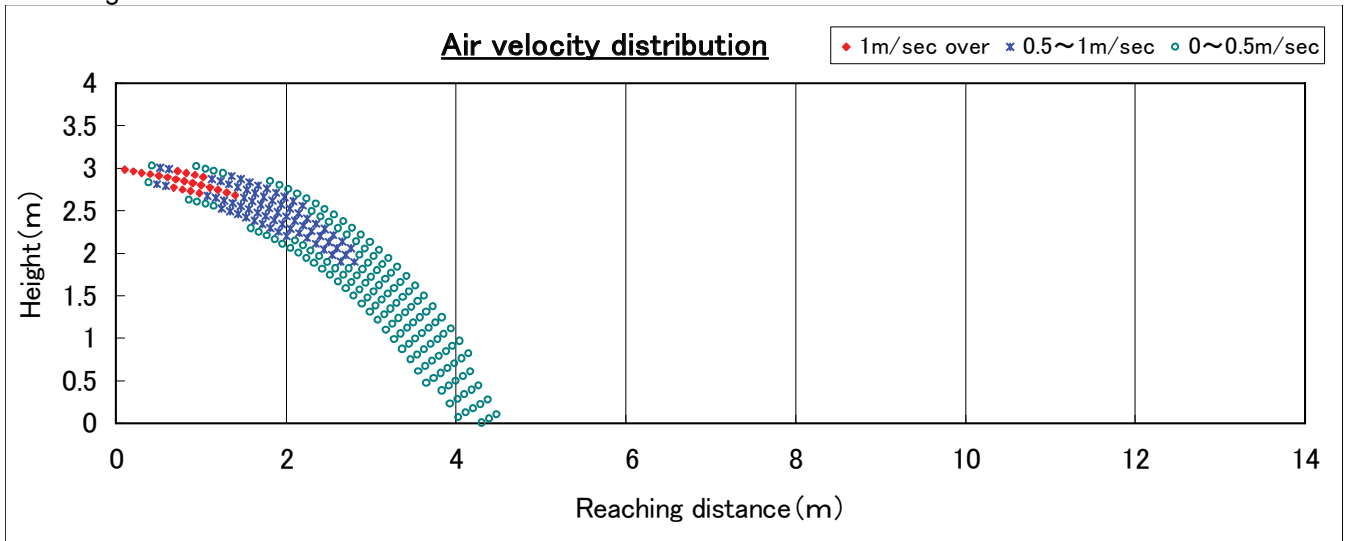
1. Cooling Hi



2. Cooling Me

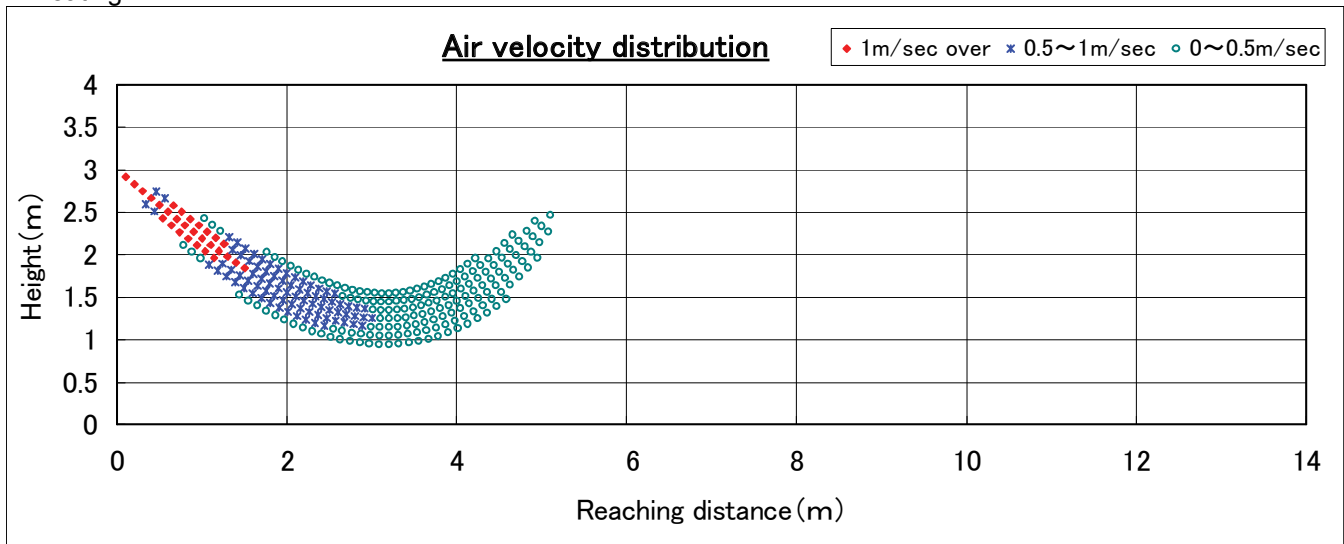


3. Cooling Lo

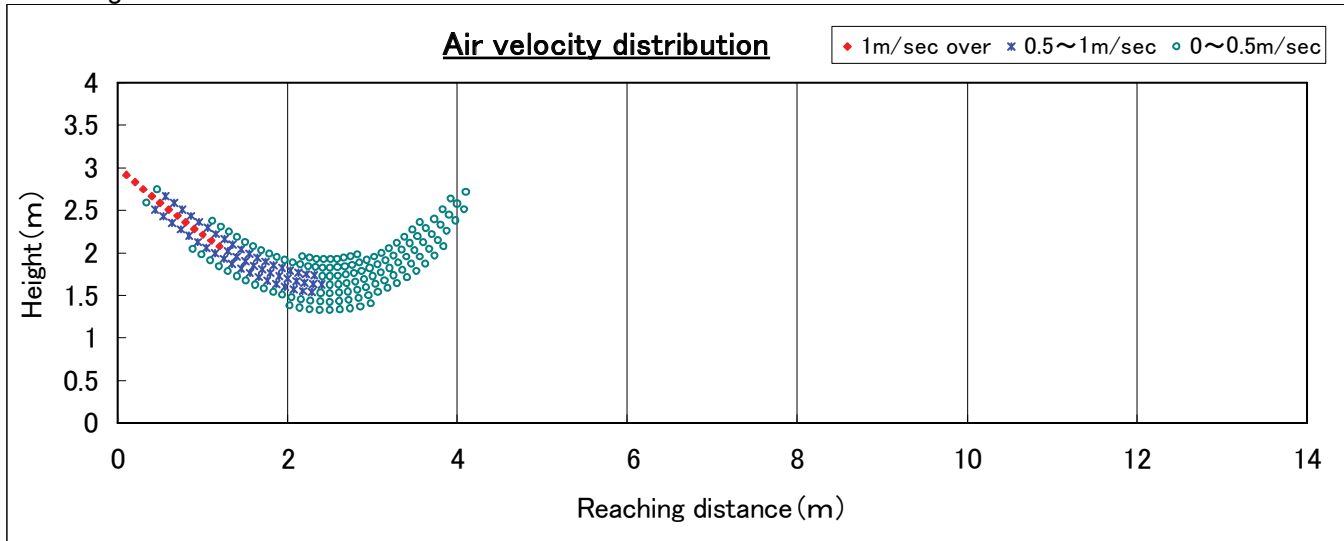


Airflow direction : 70°

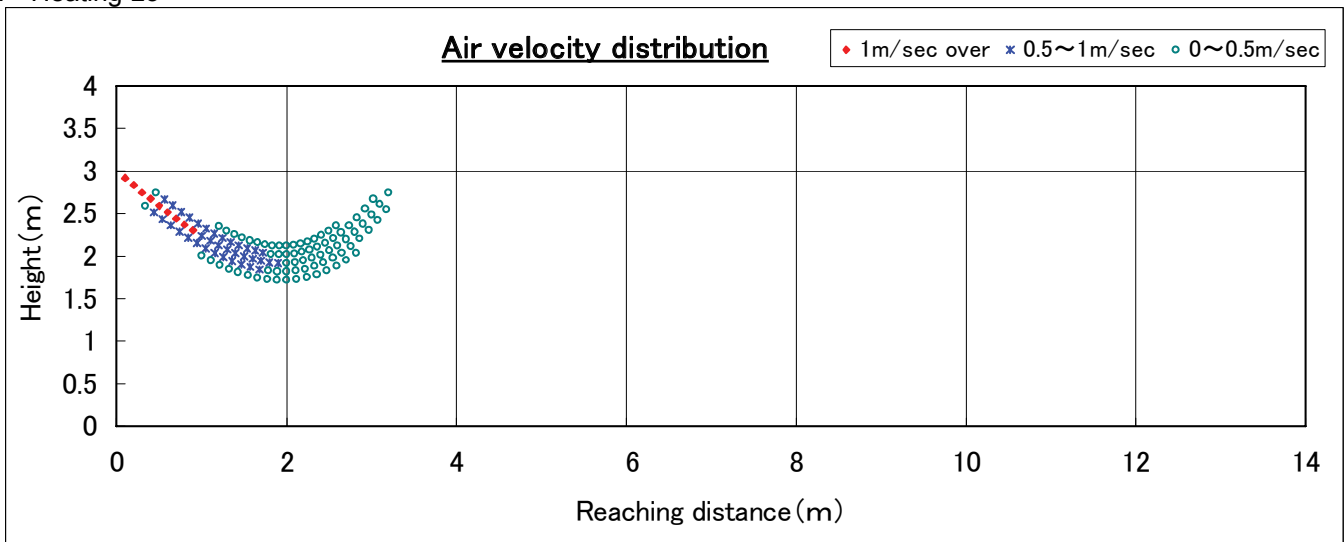
1. Heating Hi



2. Heating Me



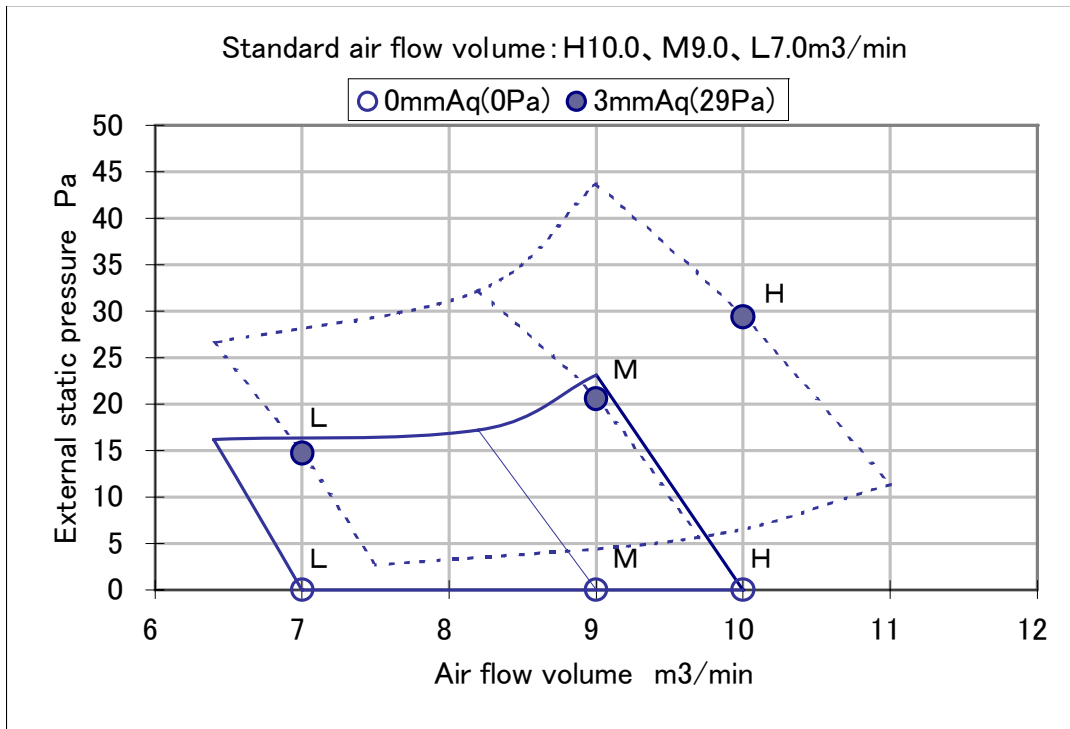
3. Heating Lo



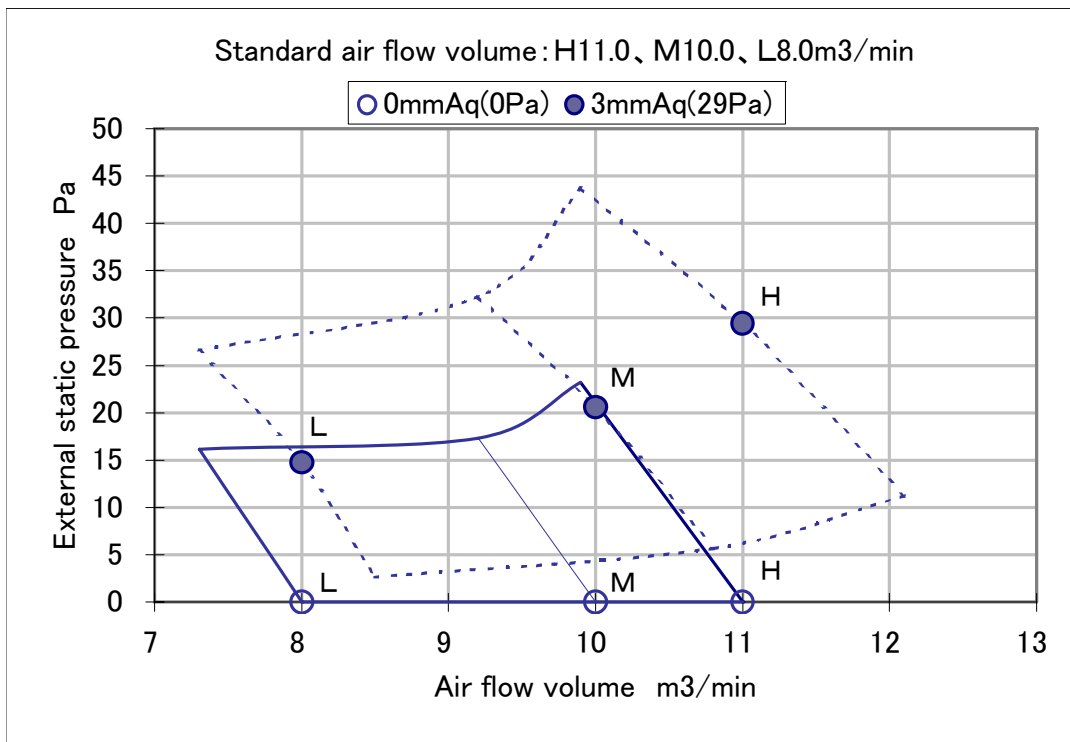


### 19.7.4 Slim Hide-Away Type Indoor Unit

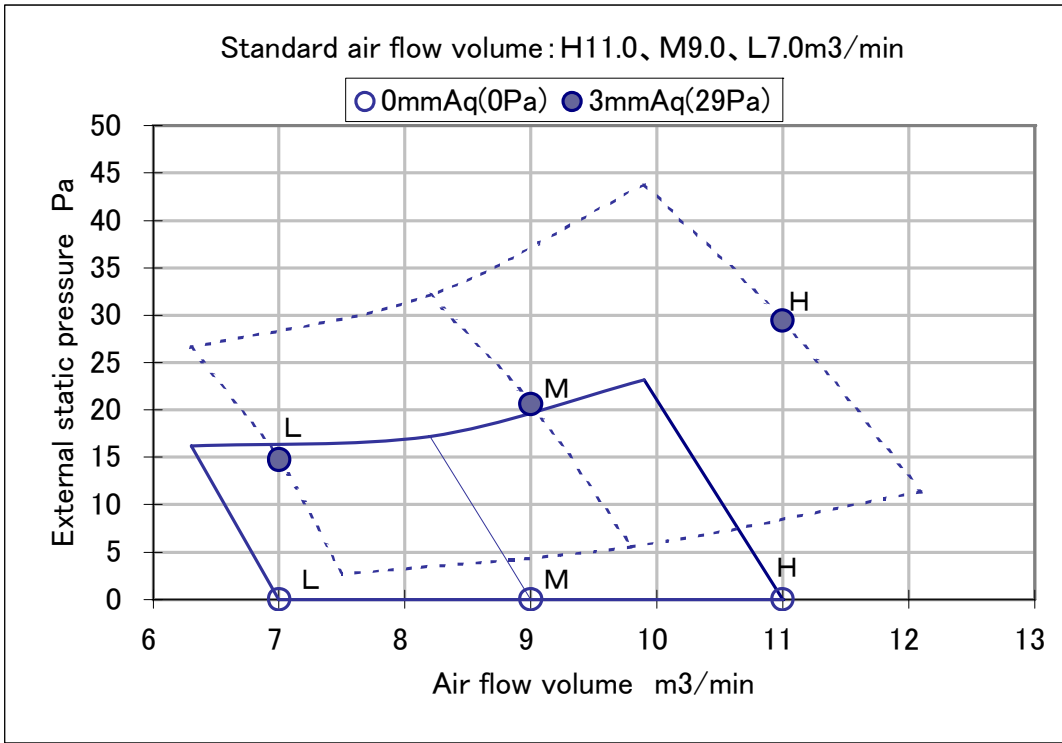
S-22NA1E5



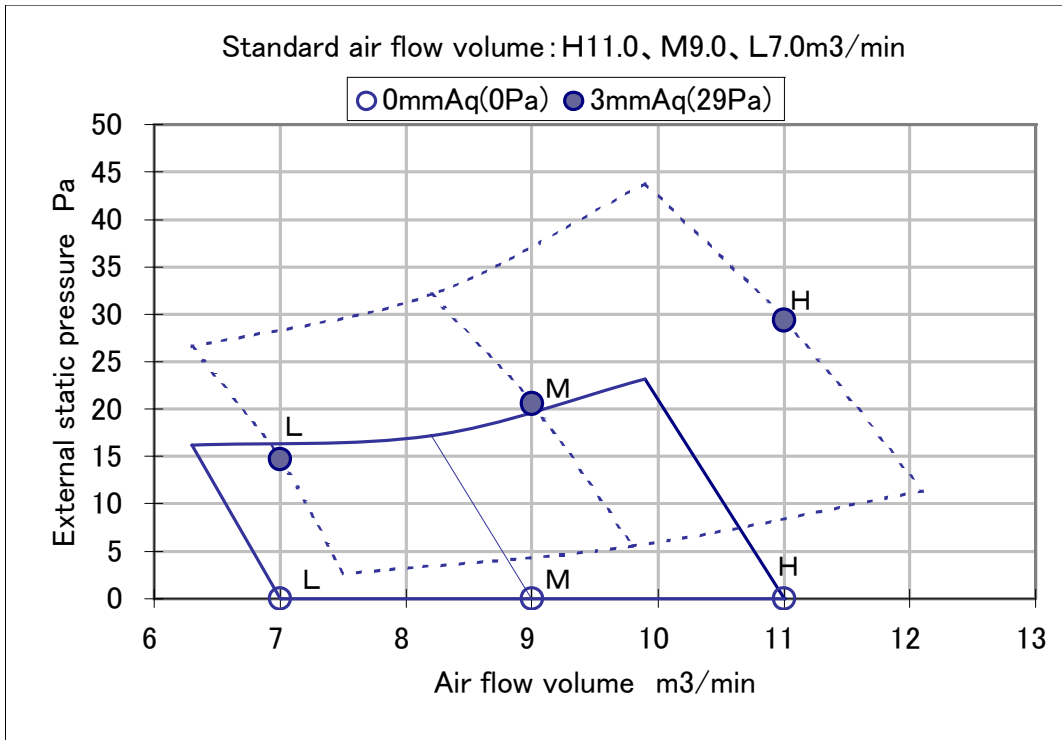
S-28NA1E5



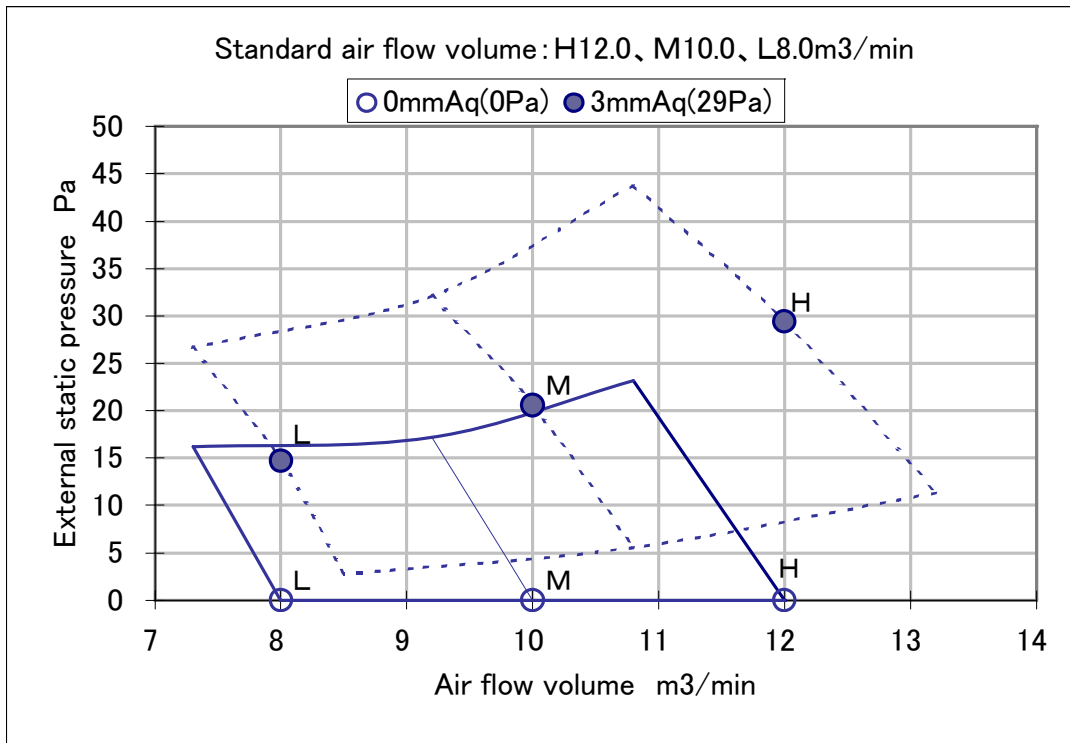
S-32NA1E5



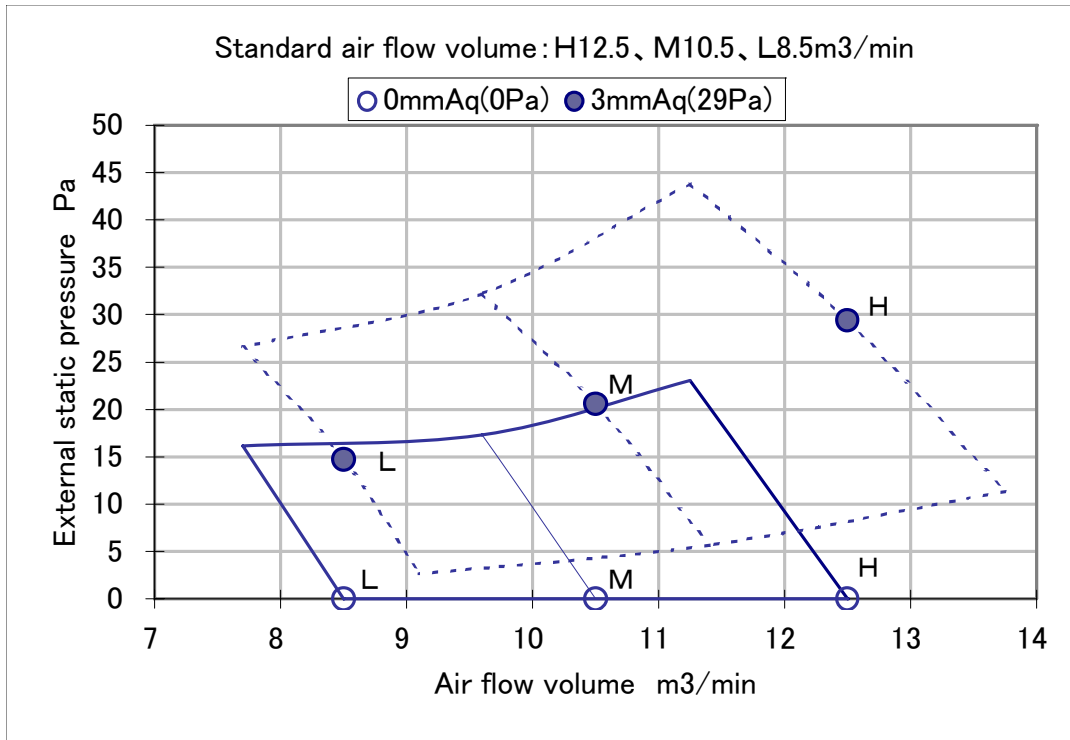
S-36NA1E5



S-45NA1E5

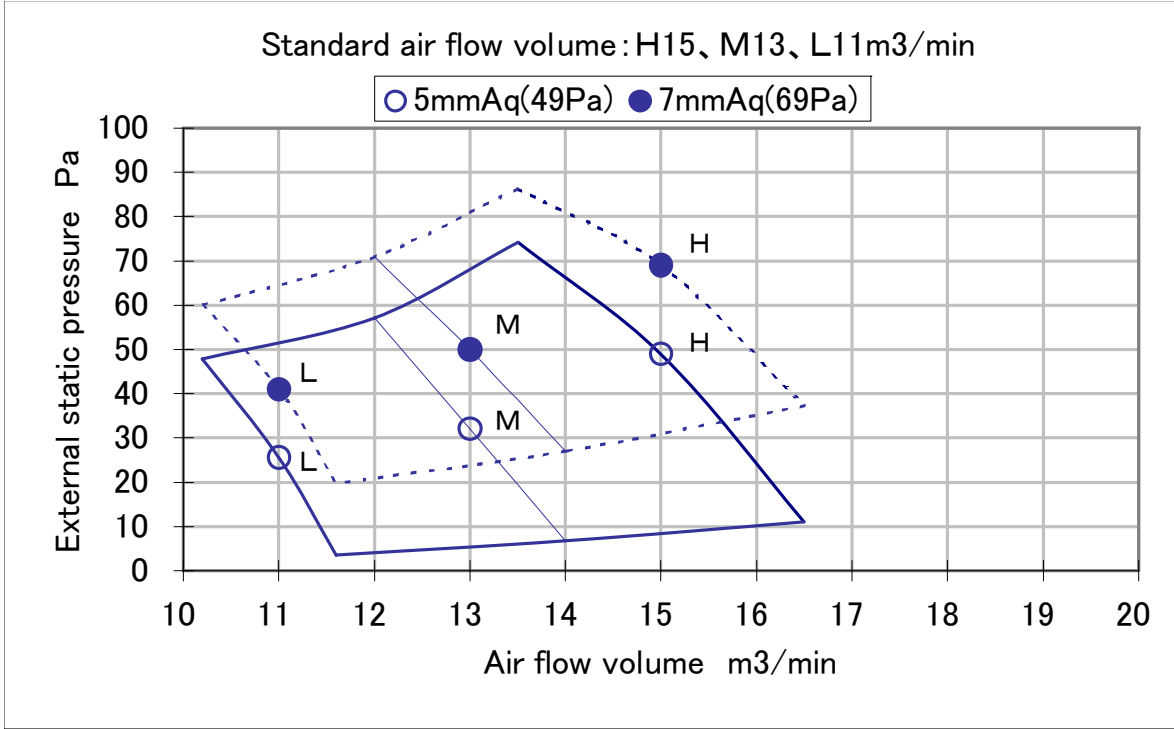


S-56NA1E5

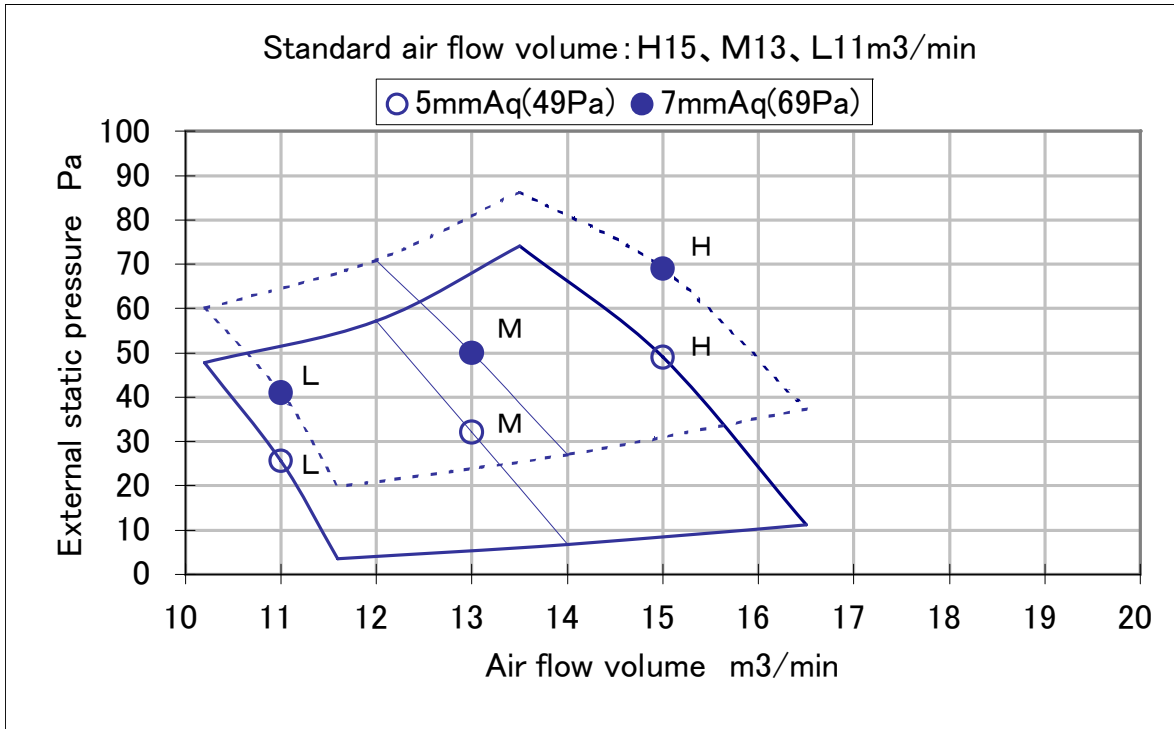


### 19.7.5 Low Static Pressure Hide-away Type Indoor Unit

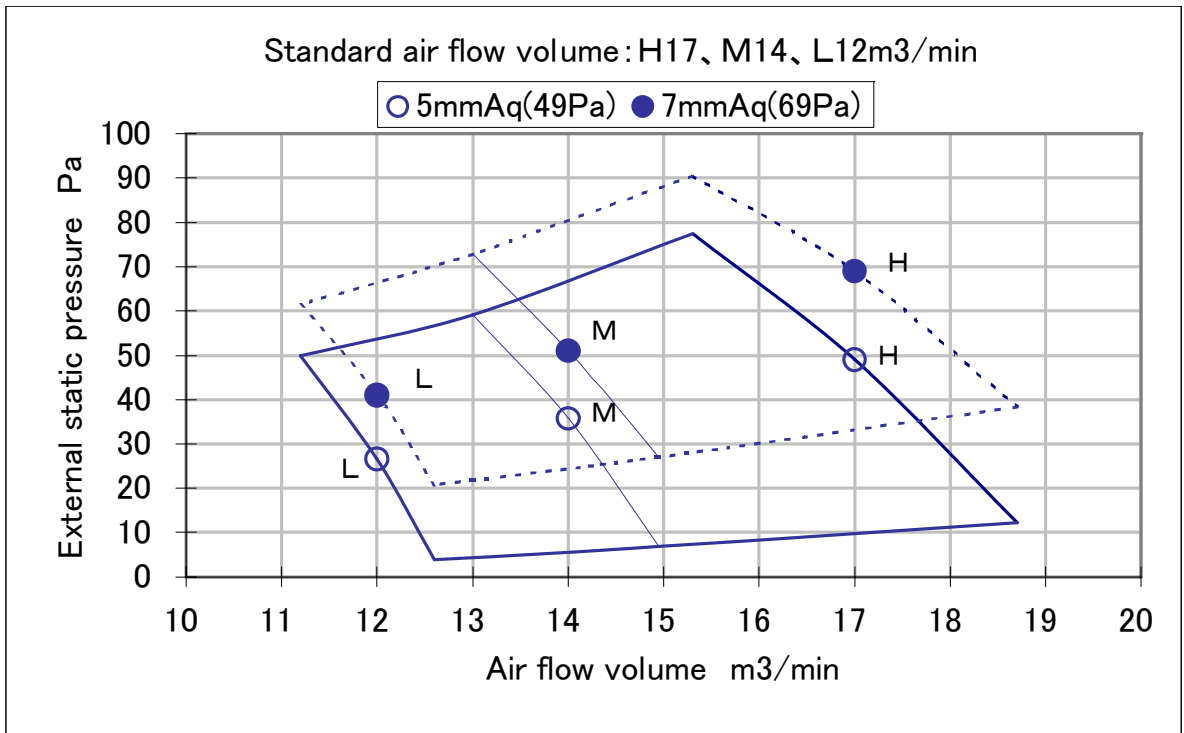
S-45MA1E5



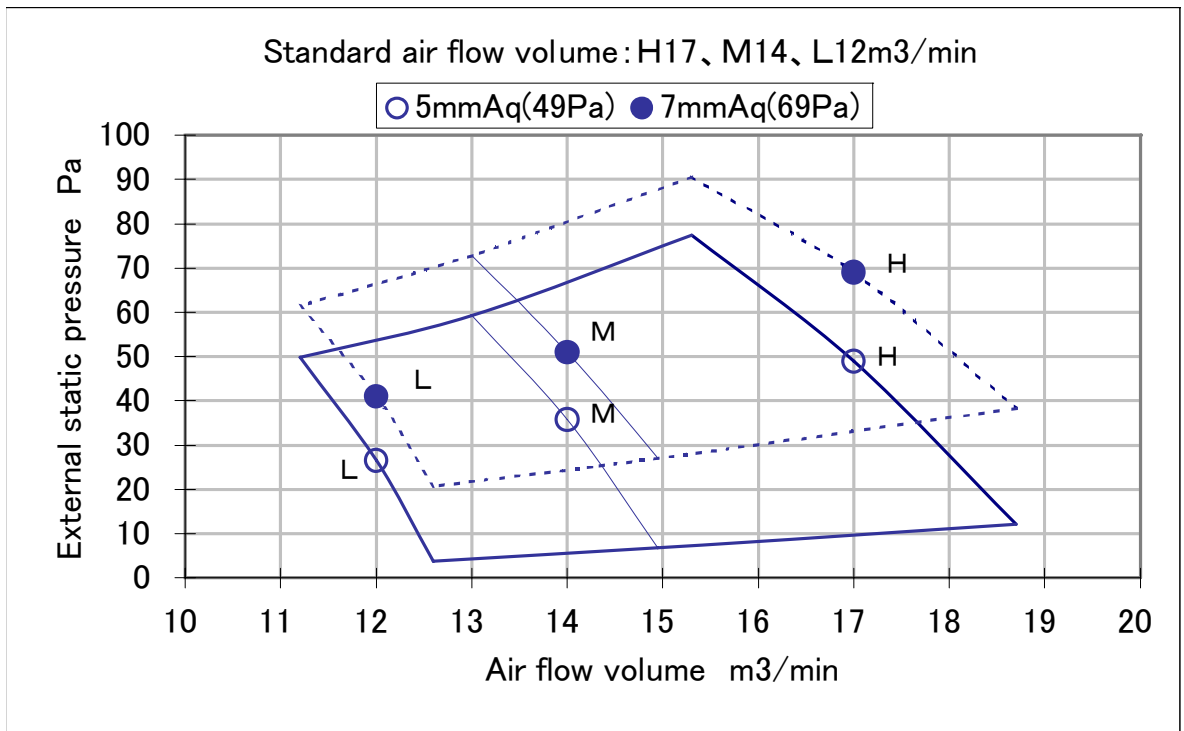
S-56MA1E5

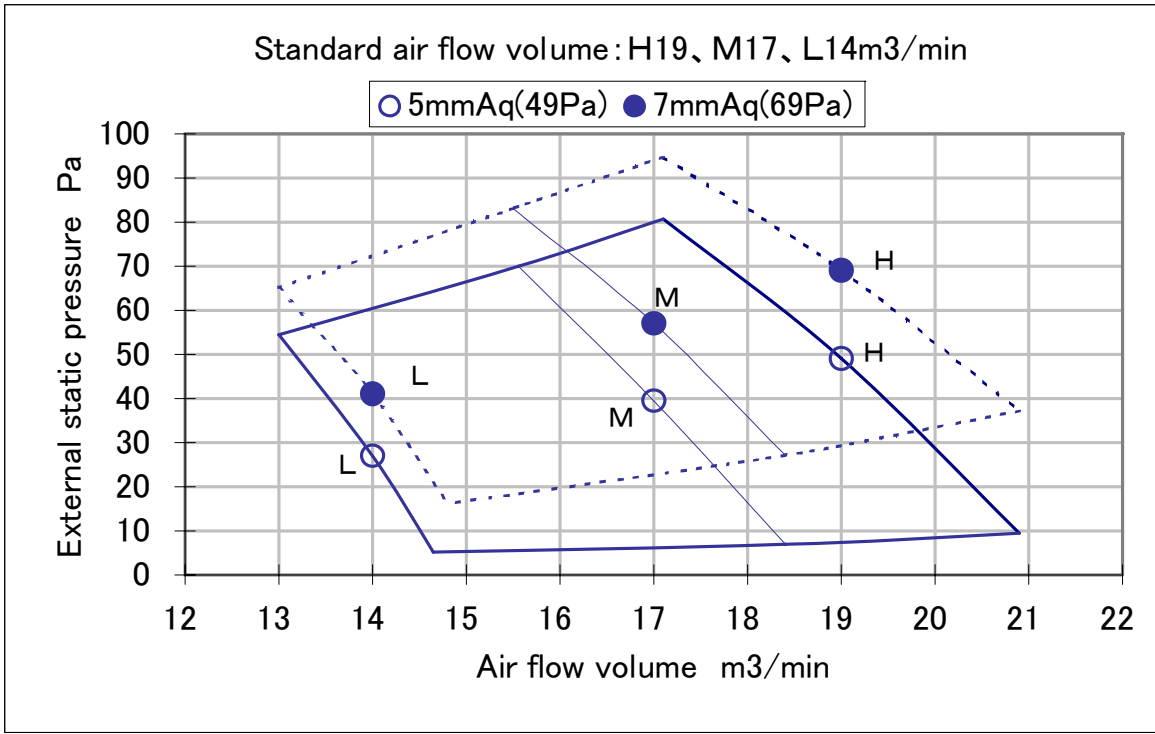


S-63MA1E5



S-71MA1E5





**19.7.6 Outdoor Units**

		U-4LA1E5	U-5LA1E5	U-6LA1E5
Hi	m <sup>3</sup> /min	92.0	95.0	98.0

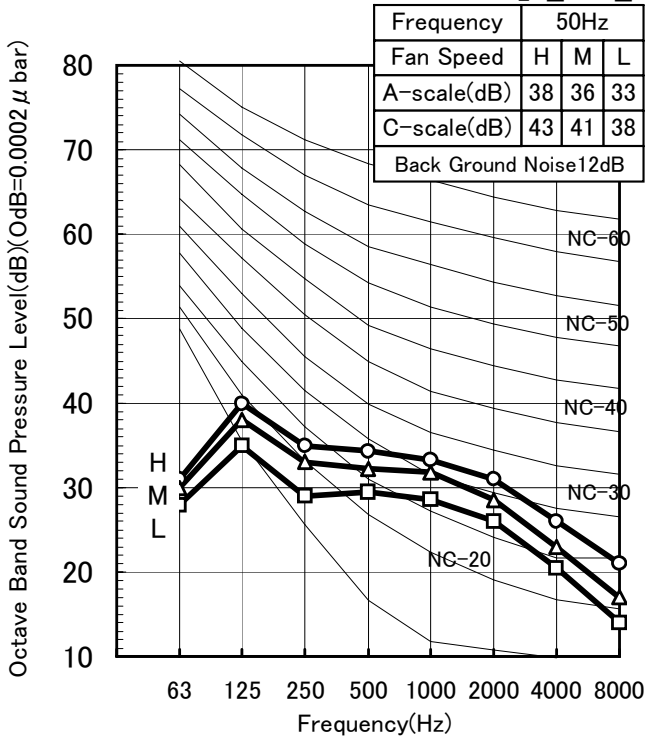
# 19.8 Sound Data

## 19.8.1 Wall Mounted Type Indoor Unit

S-22KA1E5, S-22KA1E5S

Octave Band Central Frequency(Hz)

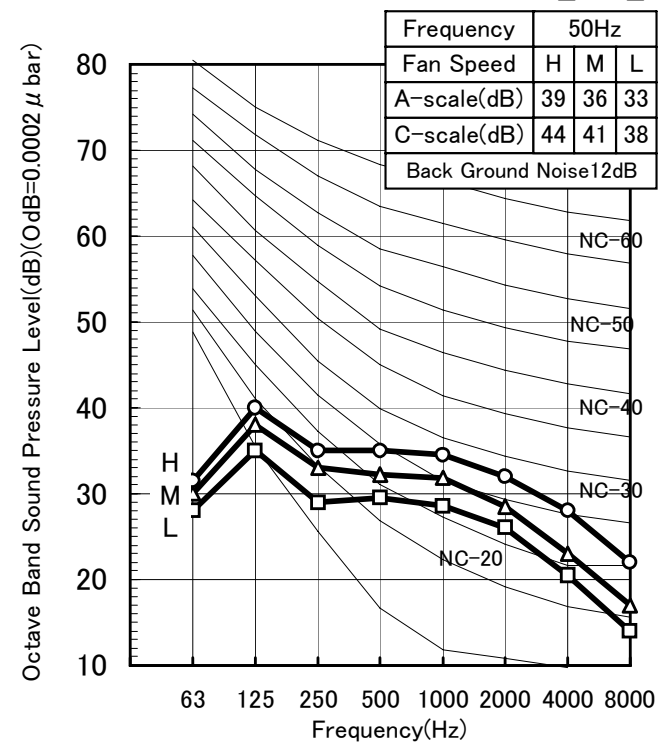
H ○—○  
M △—△  
L □—□



S-28KA1E5, S-28KA1E5S

Octave Band Central Frequency(Hz)

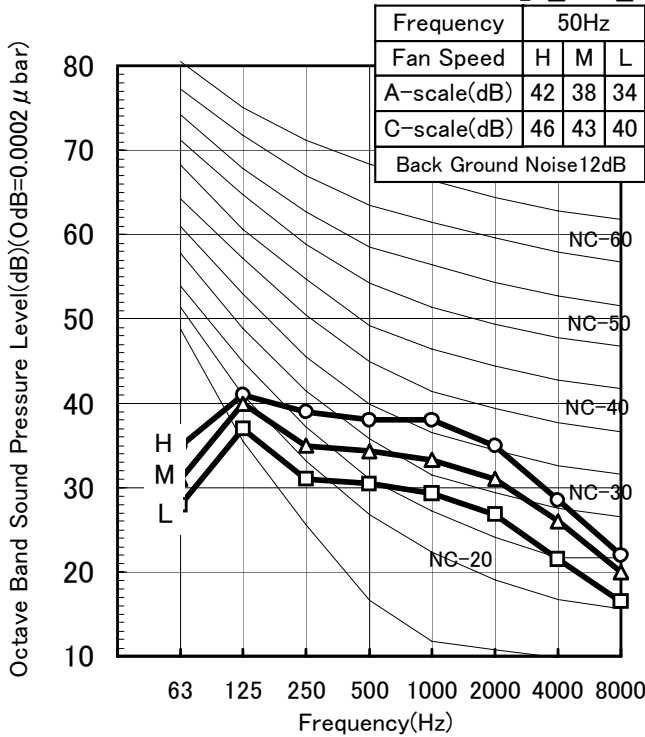
H ○—○  
M △—△  
L □—□



S-36KA1E5, S-36KA1E5S

Octave Band Central Frequency(Hz)

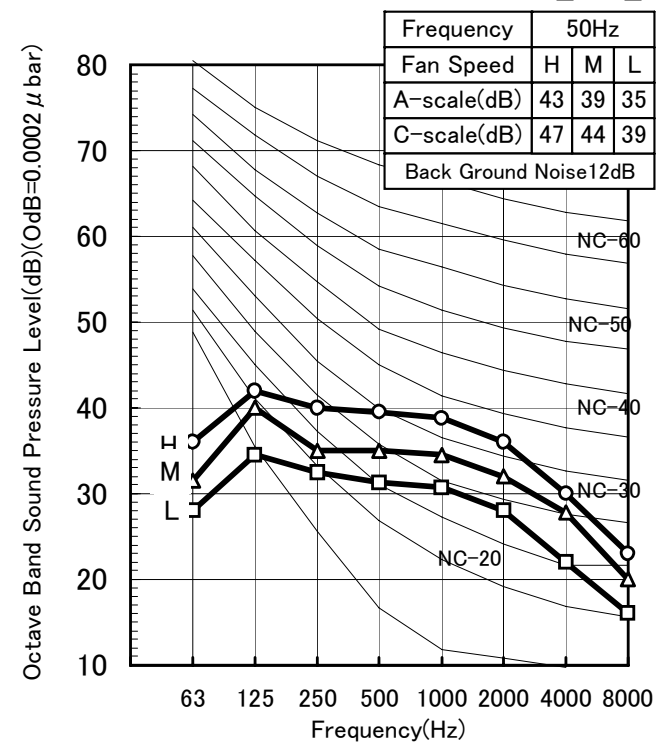
H ○—○  
M △—△  
L □—□



S-45KA1E5, S-45KA1E5S

Octave Band Central Frequency(Hz)

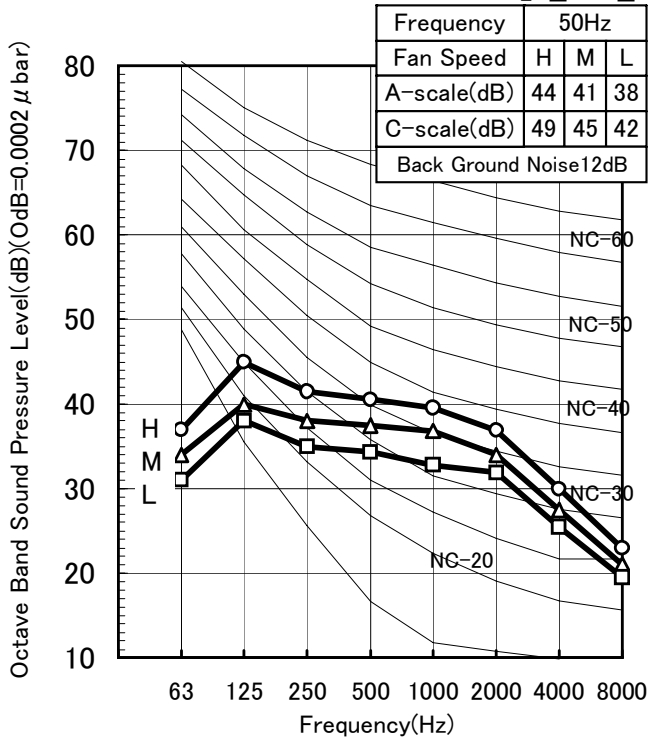
H ○—○  
M △—△  
L □—□



S-56KA1E5

Octave Band Central Frequency(Hz)

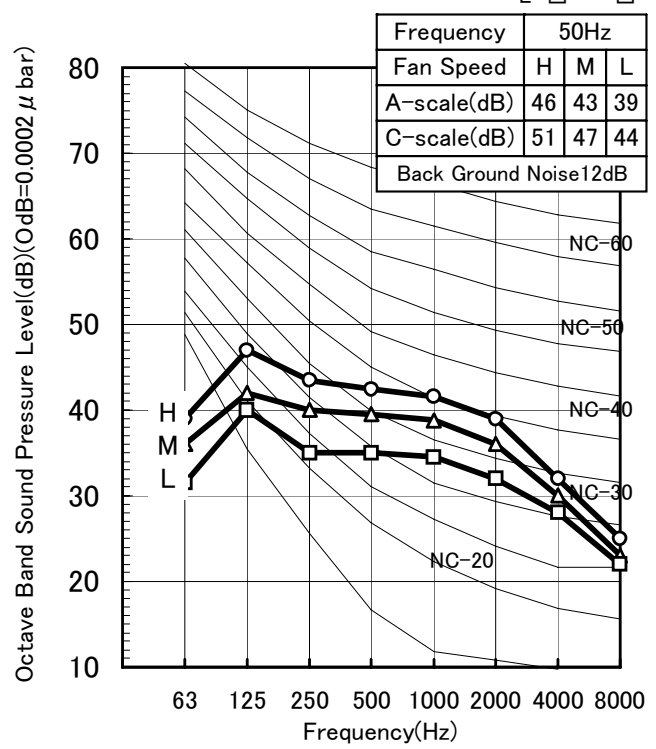
H ○—○  
M △—△  
L □—□



S-63KA1E5

Octave Band Central Frequency(Hz)

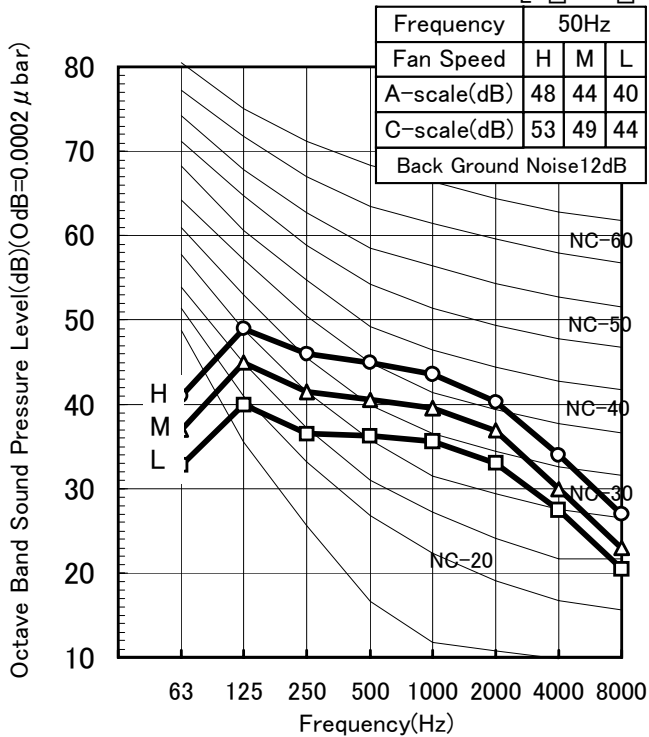
H ○—○  
M △—△  
L □—□



S-71KA1E5

Octave Band Central Frequency(Hz)

H ○—○  
M △—△  
L □—□



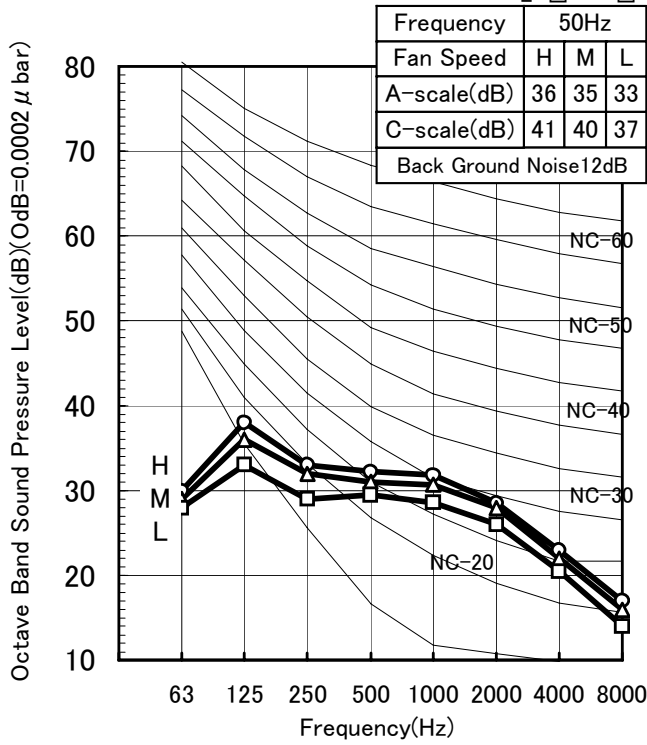


## 19.8.2 60 x 60 Cassette Type Indoor Unit

S-22YA1E5

Octave Band Central Frequency(Hz)

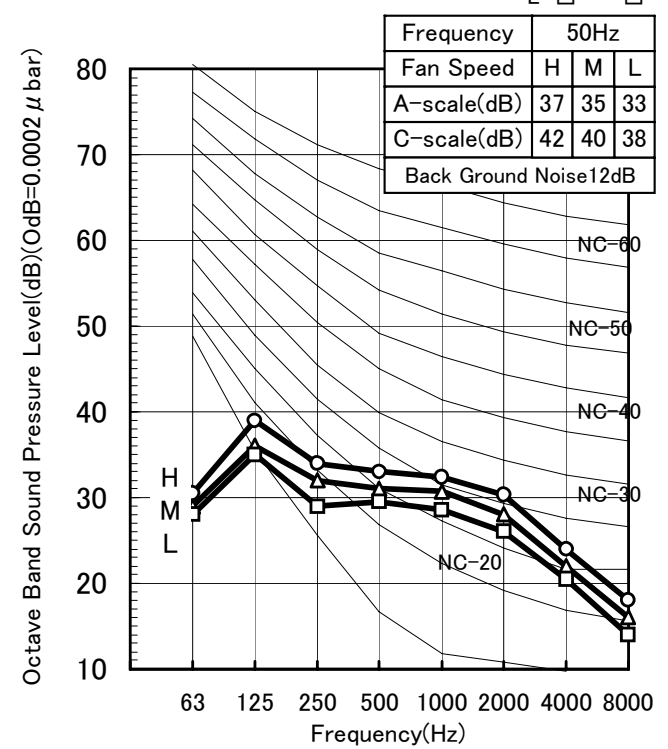
H ○—○  
M △—△  
L □—□



S-28YA1E5

Octave Band Central Frequency(Hz)

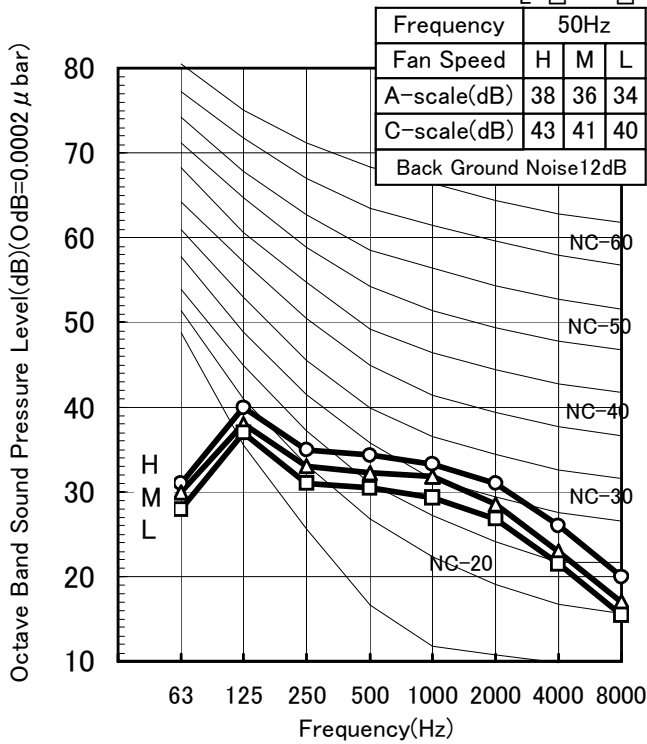
H ○—○  
M △—△  
L □—□



S-36YA1E5

Octave Band Central Frequency(Hz)

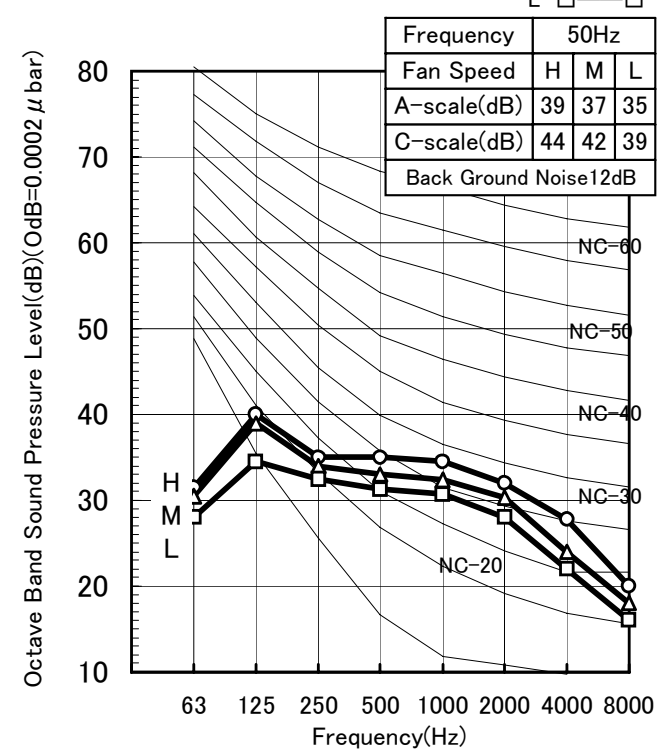
H ○—○  
M △—△  
L □—□



S-45YA1E5

Octave Band Central Frequency(Hz)

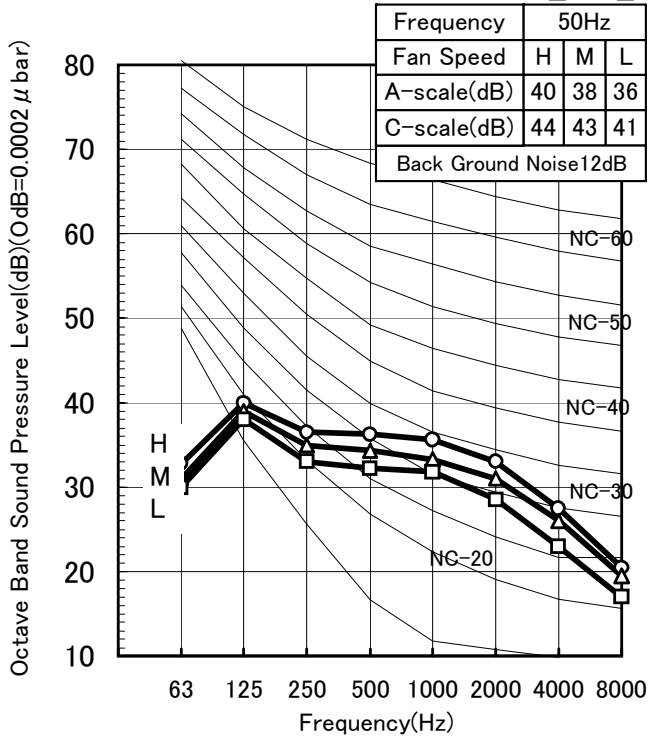
H ○—○  
M △—△  
L □—□



S-56YA1E5

Octave Band Central Frequency(Hz)

H ○—○  
M △—△  
L □—□

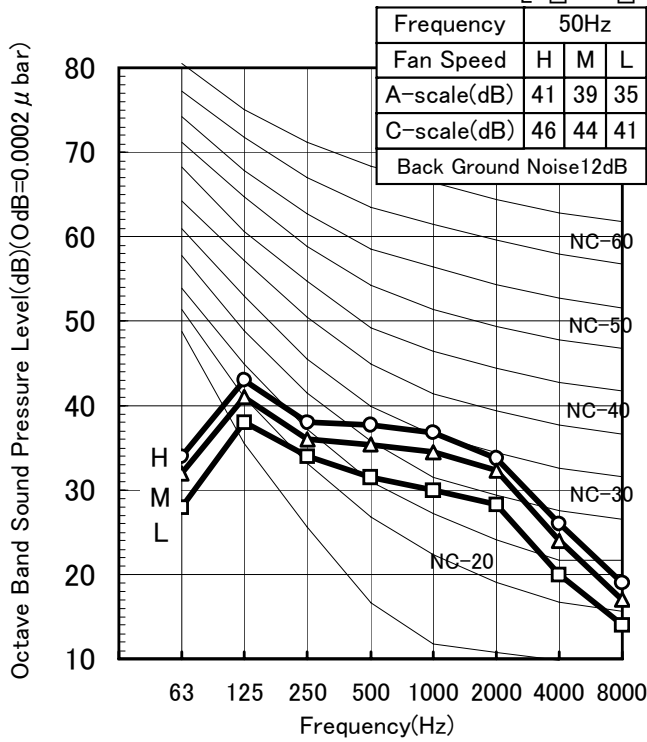


### 19.8.3 95 x 95 Cassette Type Indoor Unit

S-63UA1E5(230V)

Octave Band Central Frequency(Hz)

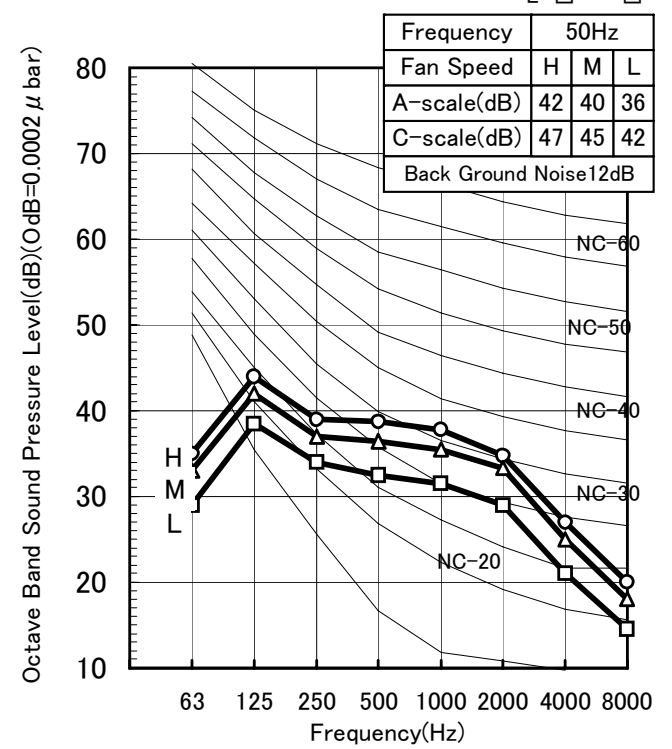
H ○—○  
M △—△  
L □—□



S-71UA1E5(230V)

Octave Band Central Frequency(Hz)

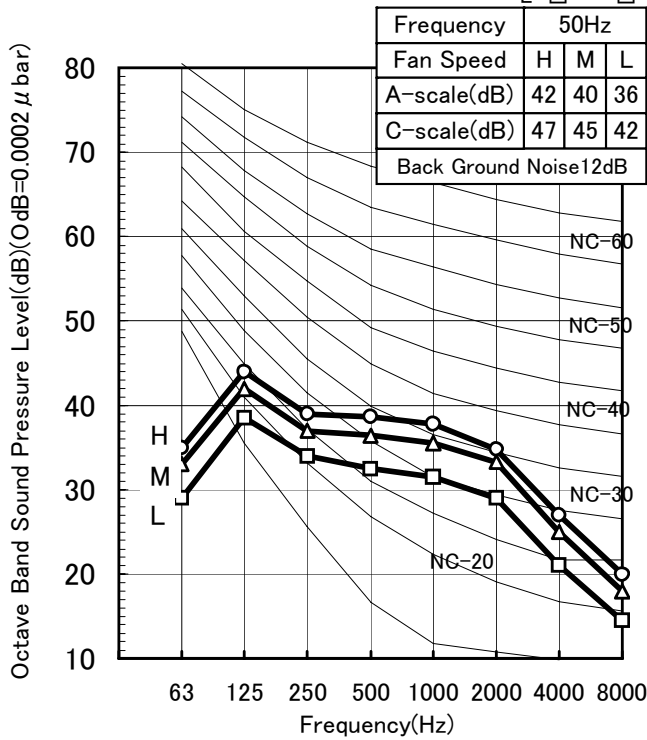
H ○—○  
M △—△  
L □—□



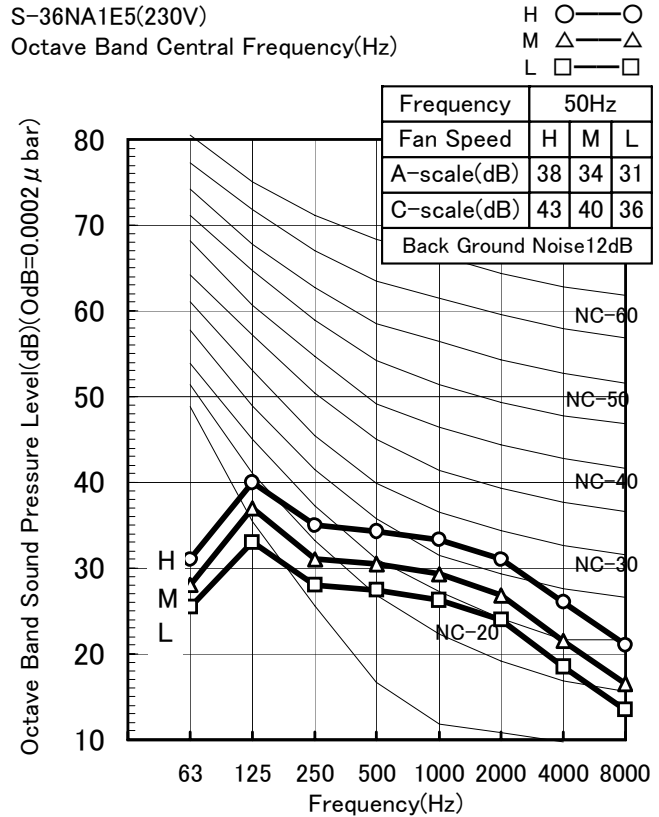
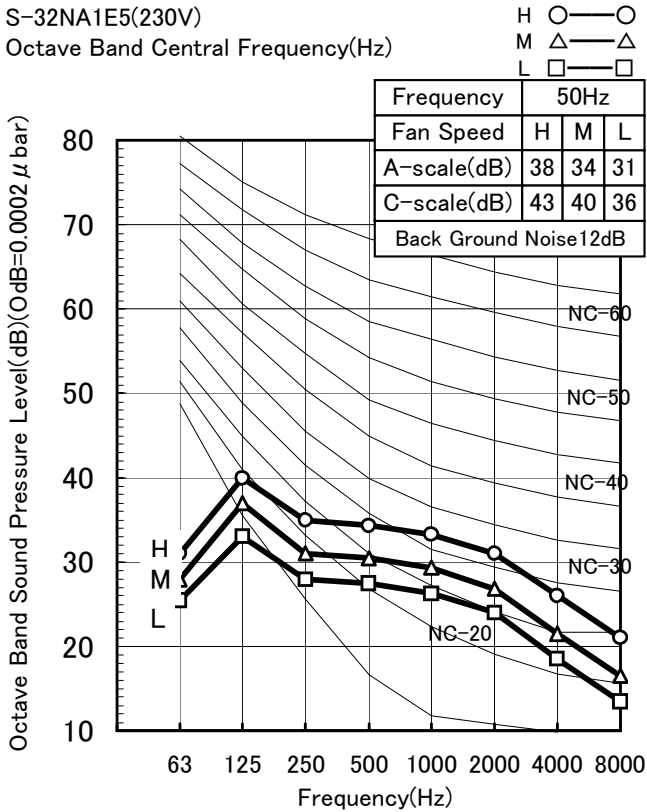
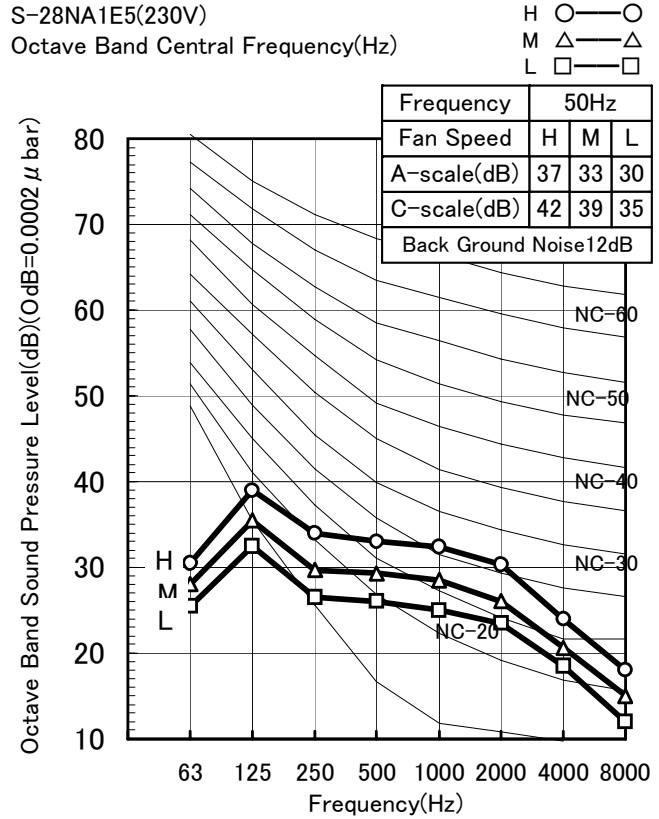
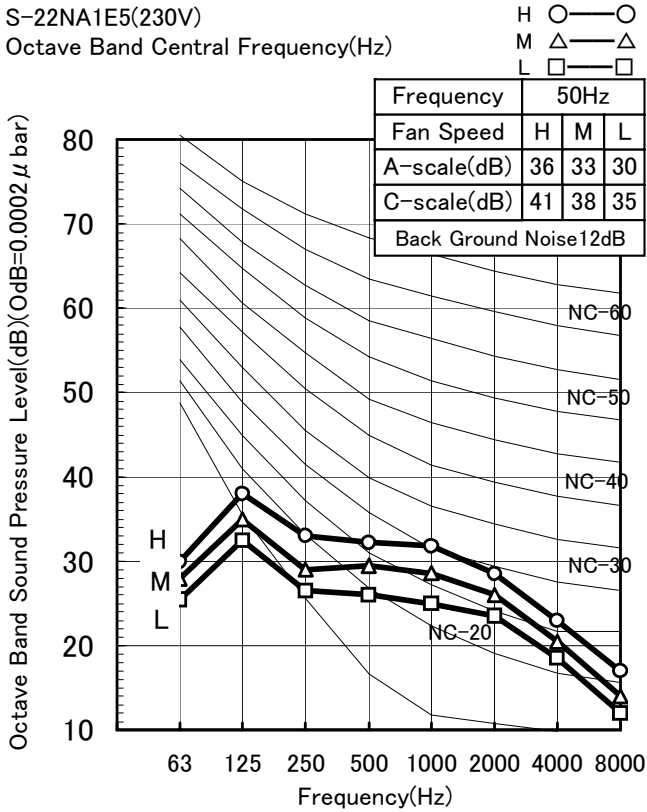
S-90UA1E5(230V)

Octave Band Central Frequency(Hz)

H ○—○  
M △—△  
L □—□



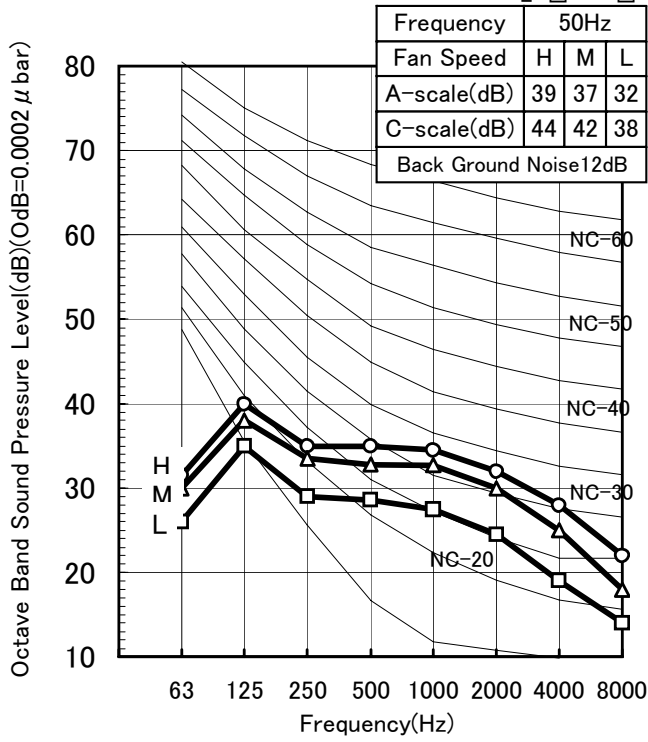
## 19.8.4 Slim Hide-Away Type Indoor Unit



S-45NA1E5(230V)

Octave Band Central Frequency(Hz)

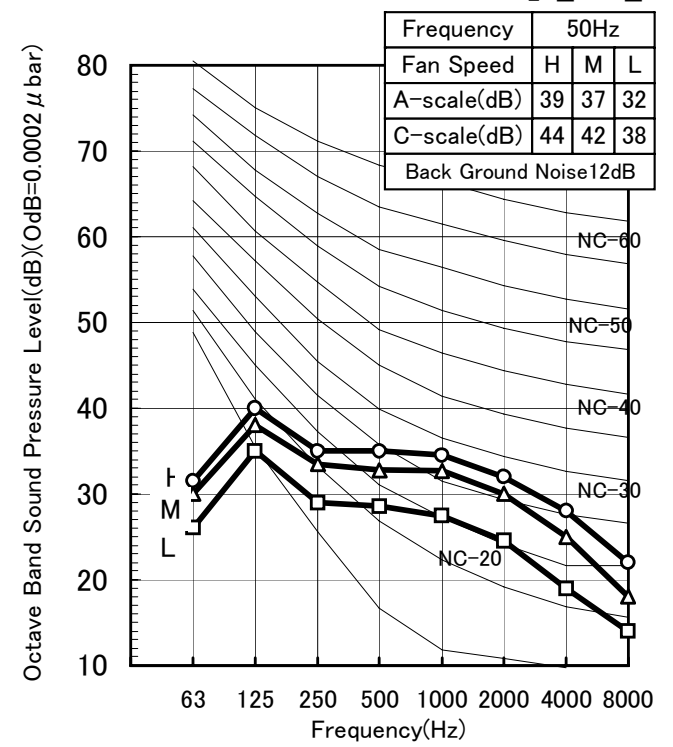
H ○—○  
M △—△  
L □—□



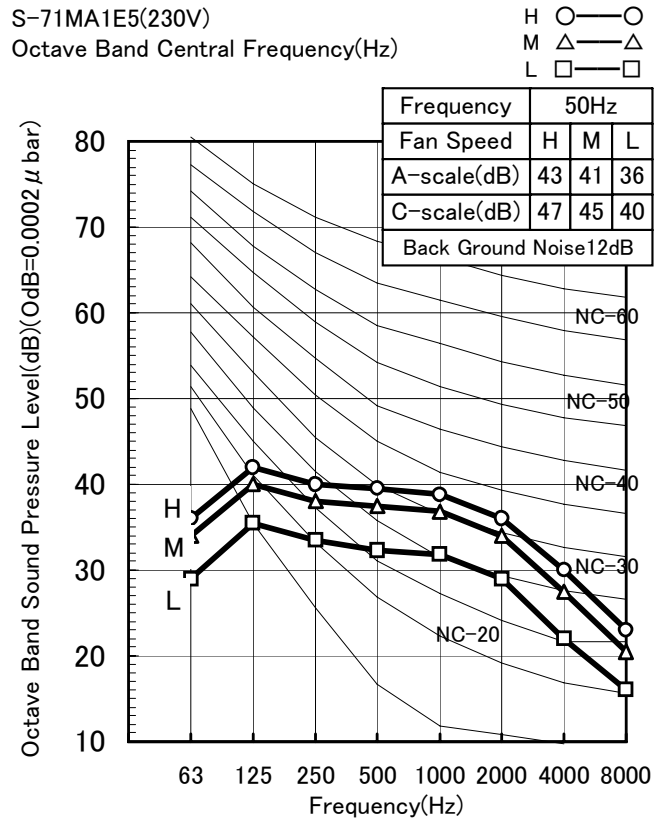
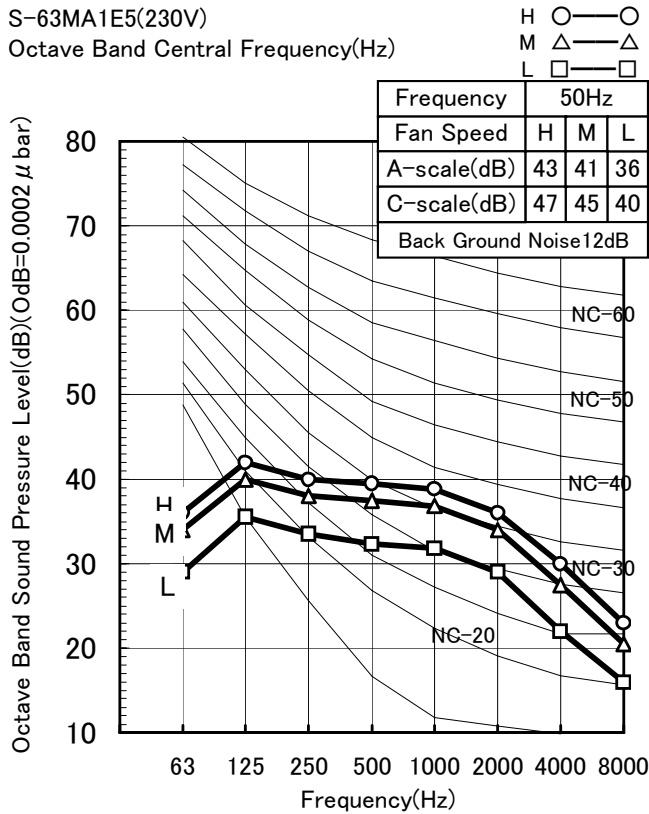
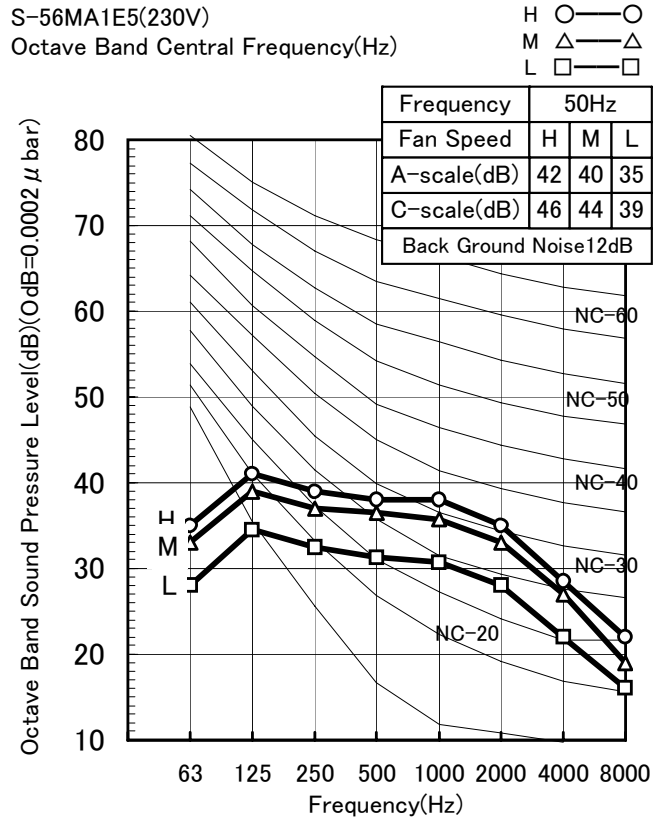
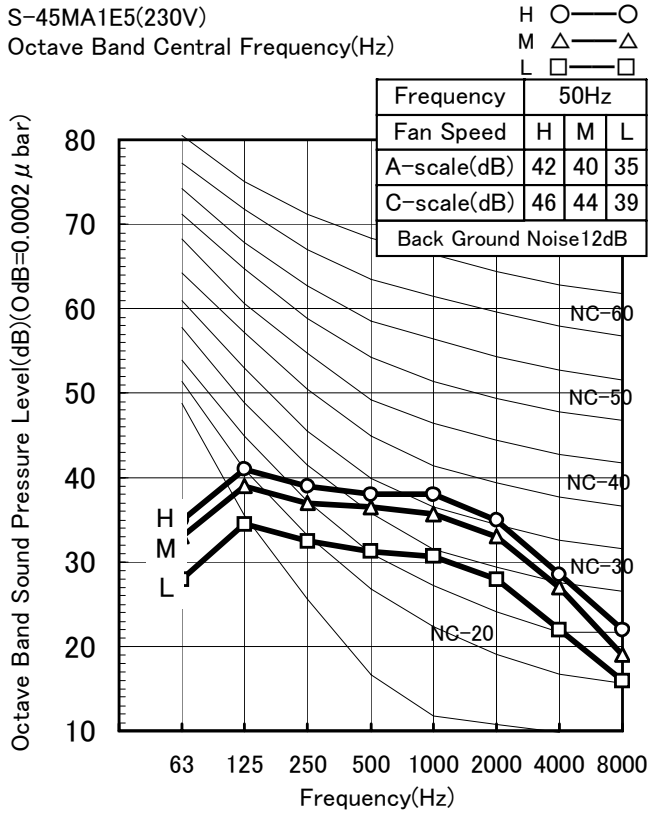
S-56NA1E5(230V)

Octave Band Central Frequency(Hz)

H ○—○  
M △—△  
L □—□



## 19.8.5 Low Static Pressure Type Indoor Unit



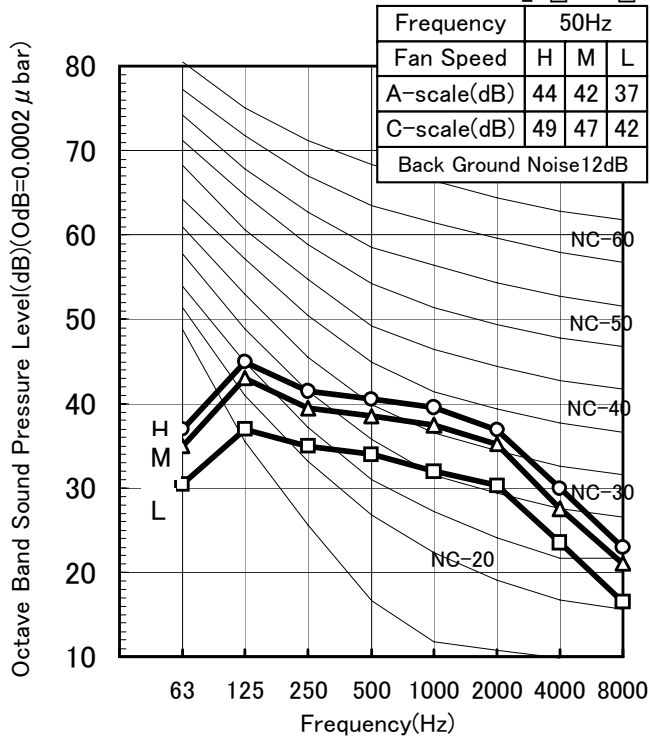
S-90MA1E5(230V)

Octave Band Central Frequency(Hz)

H ○—○

M △—△

L □—□

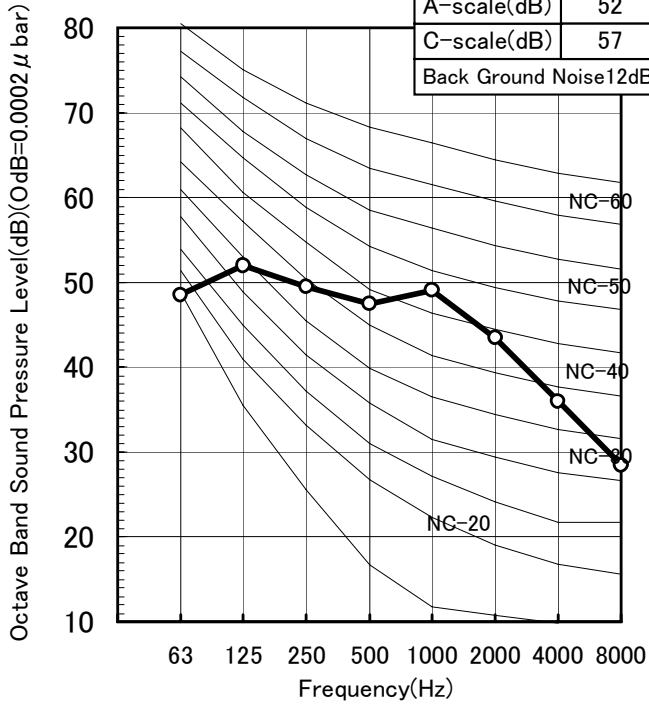


## 19.8.6 Outdoor Unit

U-4LA1E5(Cooling)

Octave Band Central Frequency(Hz)

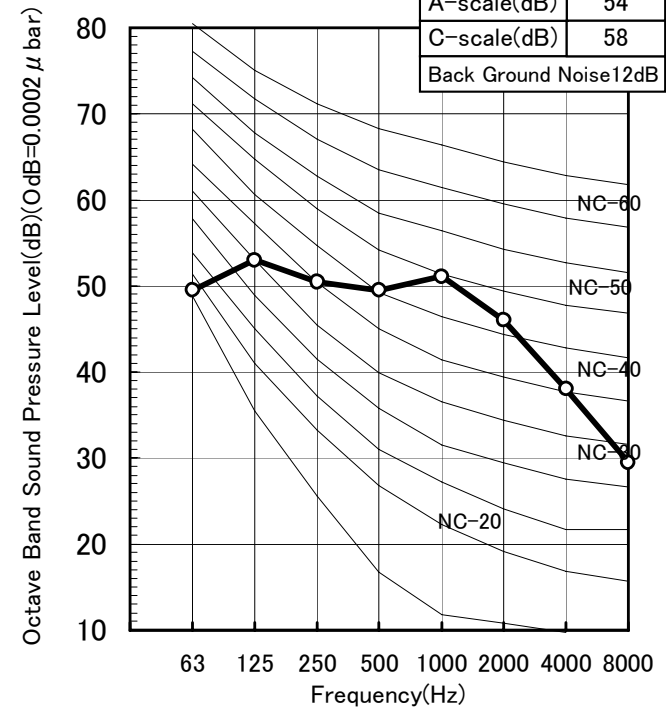
Frequency	50Hz
Fan Speed	H
A-scale(dB)	52
C-scale(dB)	57
Back Ground Noise	12dB



U-4LA1E5(Heating)

Octave Band Central Frequency(Hz)

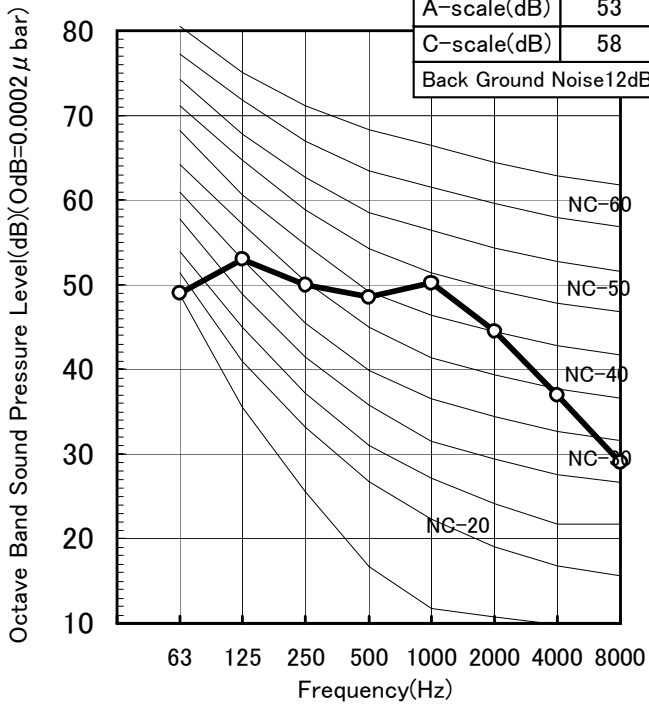
Frequency	50Hz
Fan Speed	H
A-scale(dB)	54
C-scale(dB)	58
Back Ground Noise	12dB



U-5LA1E5(Cooling)

Octave Band Central Frequency(Hz)

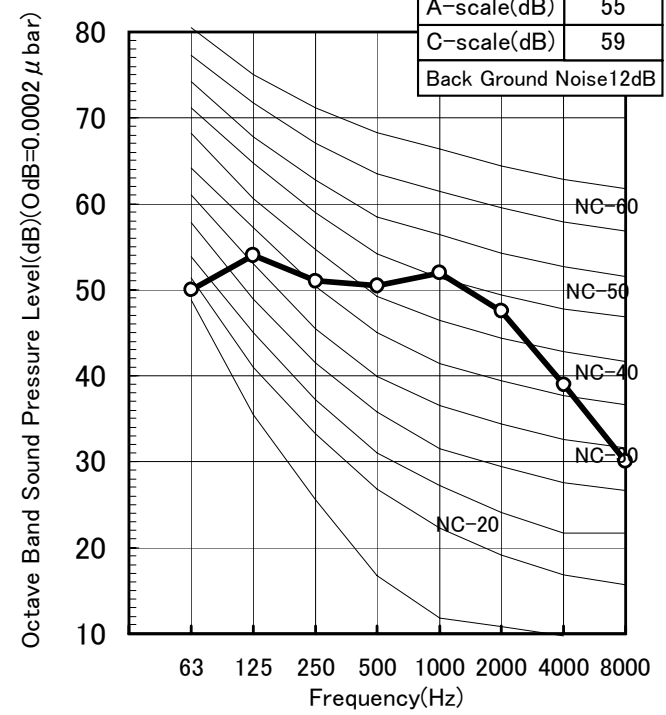
Frequency	50Hz
Fan Speed	H
A-scale(dB)	53
C-scale(dB)	58
Back Ground Noise	12dB



U-5LA1E5(Heating)

Octave Band Central Frequency(Hz)

Frequency	50Hz
Fan Speed	H
A-scale(dB)	55
C-scale(dB)	59
Back Ground Noise	12dB



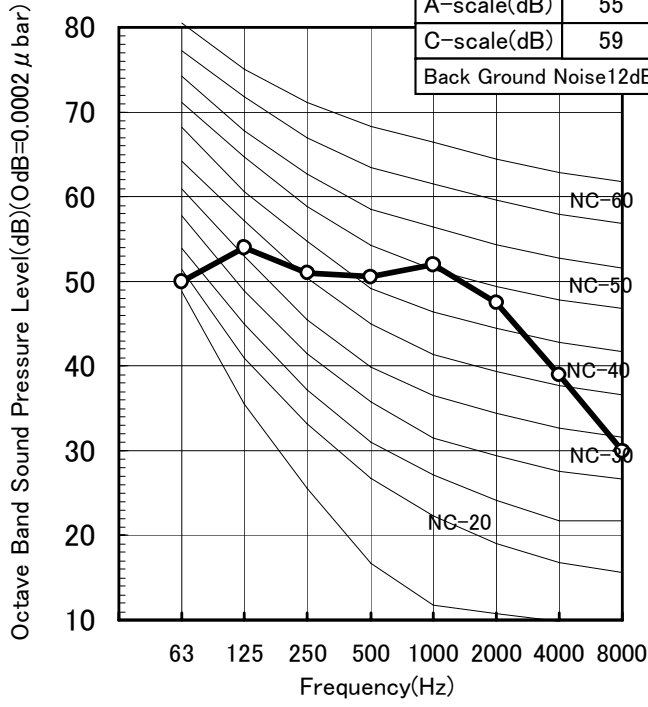


U-6LA1E5(Cooling)

Octave Band Central Frequency(Hz)

H ○—○

Frequency	50Hz
Fan Speed	H
A-scale(dB)	55
C-scale(dB)	59
Back Ground Noise 12dB	

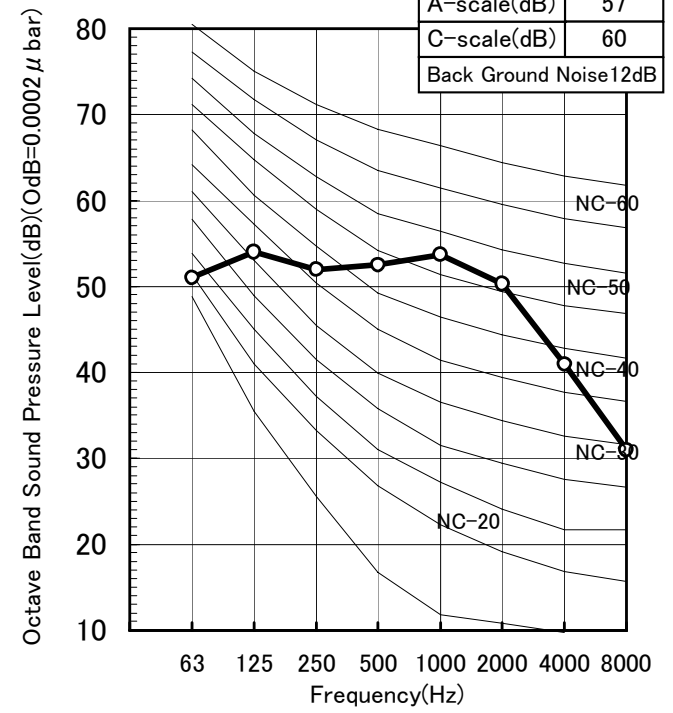


U-6LA1E5(Heating)

Octave Band Central Frequency(Hz)

H ○—○

Frequency	50Hz
Fan Speed	H
A-scale(dB)	57
C-scale(dB)	60
Back Ground Noise 12dB	



## 19.8.7 Indoor Unit Measurement Specification

【dB(A)】

		Cooling		Heating		microphone position
		220/230V	240V	220/230V	240V	
		Hi/Lo	Hi/Lo	Hi/Lo	Hi/Lo	
D4 ※ 1	S-22NA1E5	36/30	36/31	36/30	36/31	
	S-28NA1E5	37/30	37/31	37/30	37/31	
	S-32NA1E5	38/31	38/32	38/31	38/32	
	S-36NA1E5	38/31	38/32	38/31	38/32	
	S-45NA1E5	39/32	39/33	39/32	39/33	
	S-56NA1E5	39/32	39/33	39/32	39/33	
D3 ※ 2	S-45MA1E5	42/35	42/36	42/35	42/36	
	S-56MA1E5	42/35	42/36	42/35	42/36	
	S-63MA1E5	43/36	43/37	43/36	43/37	
	S-71MA1E5	43/36	43/37	43/36	43/37	
	S-90MA1E5	44/37	44/38	44/37	44/38	
Mini-Cassette	S-22YA1E5	36/33		36/33		
	S-28YA1E5	37/33		37/33		
	S-36YA1E5	38/34		38/34		
	S-45YA1E5	39/35		39/35		
	S-56YA1E5	40/36		40/36		
Cassette	S-63UA1E5	41/35	41/36	41/35	41/36	
	S-71UA1E5	42/36	42/37	42/36	42/37	
	S-90UA1E5	42/36	42/37	42/36	42/37	
Wall mounted ※ 3	S-22KA1E5(S)	38/33		38/33		
	S-28KA1E5(S)	39/33		39/33		
	S-36KA1E5(S)	42/34		42/34		
	S-45KA1E5(S)	43/35		43/35		
	S-56KA1E5	44/38		44/38		
	S-63KA1E5	46/39		46/39		
	S-71KA1E5	48/40		48/40		

※ 1 . . . The external static pressure of sound measurement is 0mmAq (0Pa).

※ 2 . . . The external static pressure of sound measurement is 5mmAq (49Pa).

※ 3 . . . (for example) S-22KA1E5 : white color 、 S-22KA1E5S : silver color.

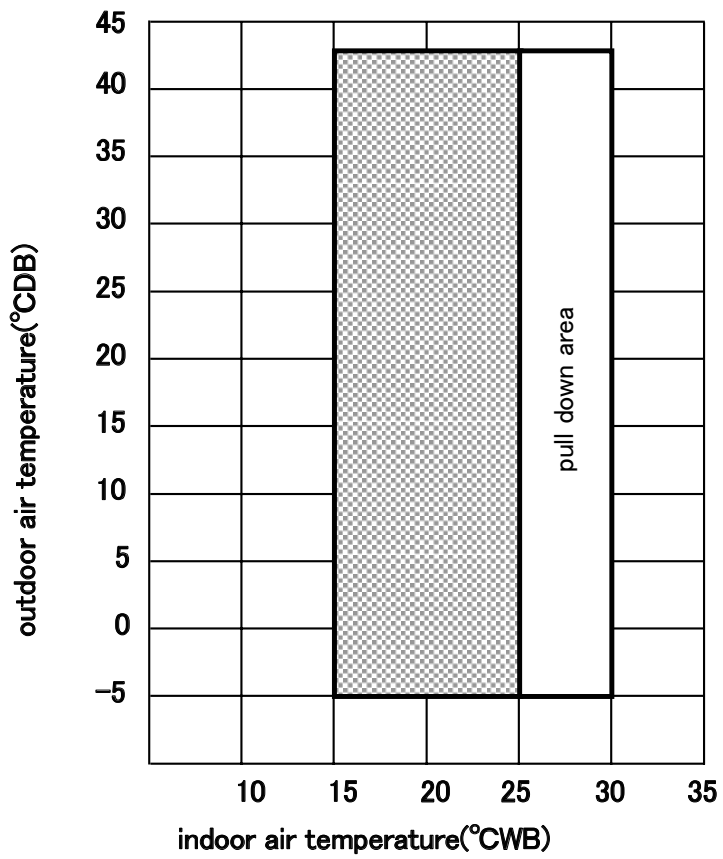
### 19.8.8 Outdoor Unit Measurement Specification

【dB(A)】

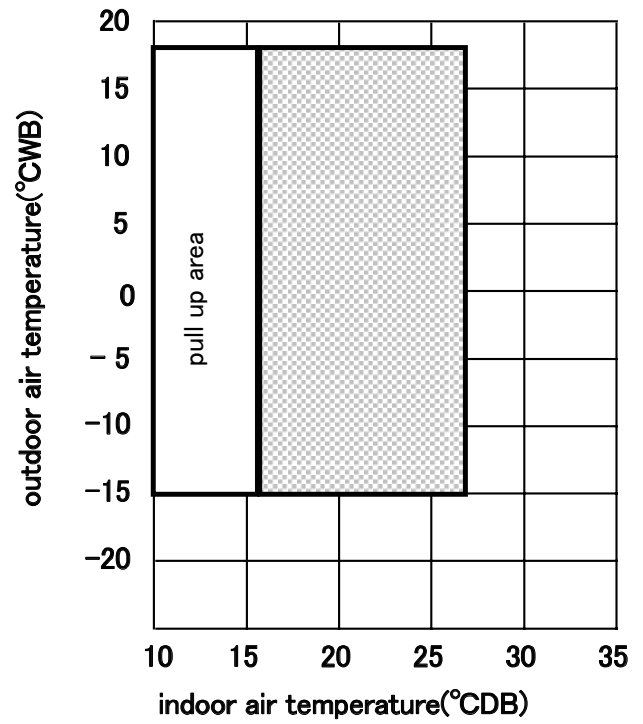
	Cooling	Heating	microphone position
	220/230/240V – 50Hz		
U-4LA1E5	52	54	
U-5LA1E5	53	55	
U-6LA1E5	55	57	

## 20. Operation range

Cooling



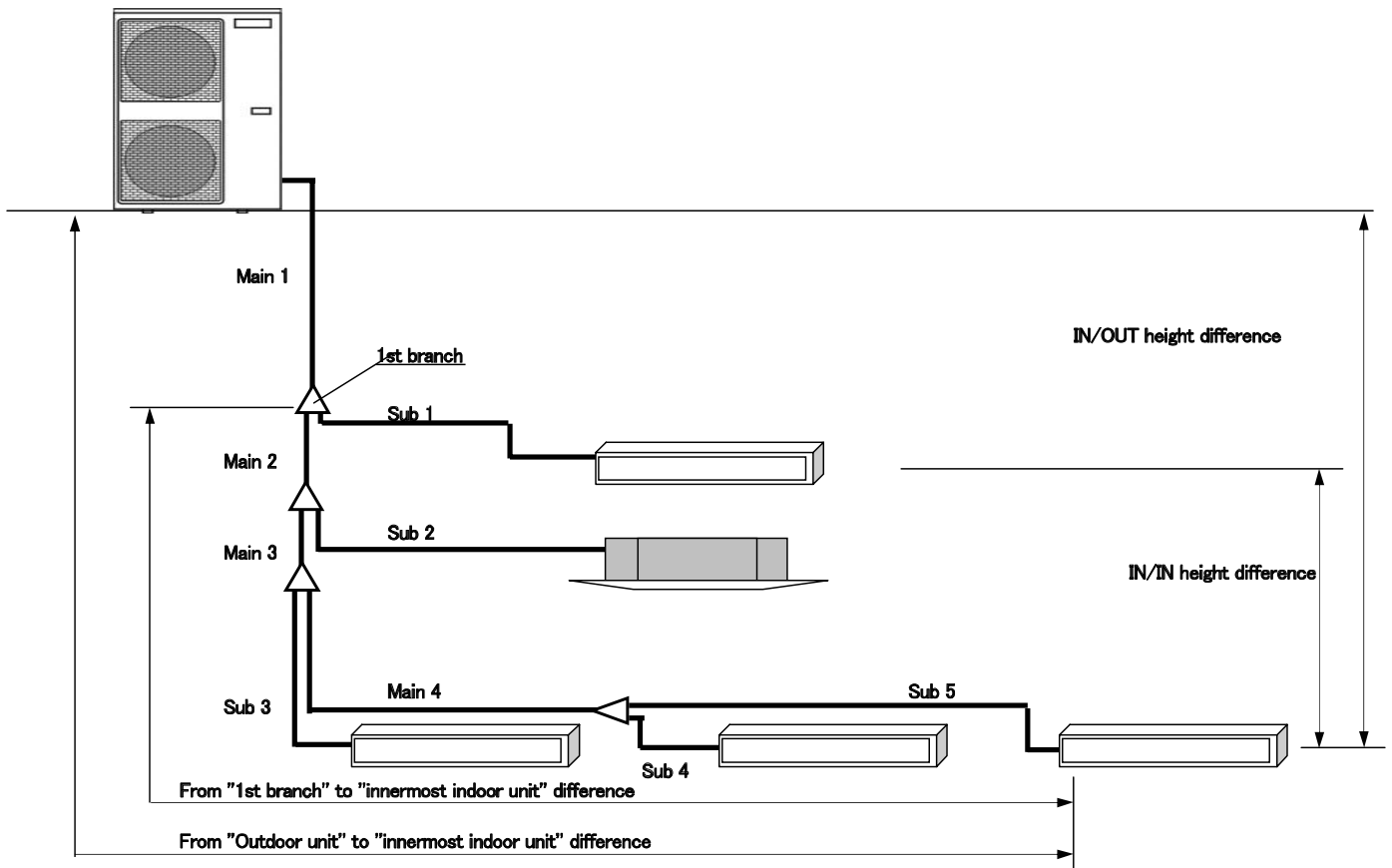
Heating



## 21. Allowable Pipe Length

		U-4LA1E5/5LA1E5/6LA1E5	Pipe connection example
Allowable height difference	IN/OUT height difference	30m or less	
	IN/IN height difference	15m or less	
Allowable pipe length	Total pipe length	20m~90m	Main1+Main2+Main3+Main4+Sub1+Sub2+Sub3+Sub4+Sub5
	Total pipe length of Main pipe	40m or less	Main1+Main2+Main3+Main4
	Total pipe length of Sub pipe	50m or less	Sub1+Sub2+Sub3+Sub4+Sub5
	Sub pipe length	15m or less	
	From "Outdoor unit" to "innermost indoor unit" difference	55m or less	
	From "1st branch" to "innermost indoor unit" difference	30m or less	

### Pipe connection example



## 22. Combination Catalogue

### 22.1 Cooling

#### 22.1.1 4HP(U-4LA1E5)

Combination criteria

		4HP	
Total indoor capacity (kW)	MAX	14.6	
	Rated	11.2	
	MIN	5.6	
Total indoor unit number	MAX	6	
	MIN	2	
Combination (%)	50 ~ 130		

NO.	Indoor unit	0.8 HP	1.0 HP	1.25 HP	1.5 HP	1.75 HP	2.0 HP	2.5 HP	3.0 HP	3.5 HP	Total indoor capacity	Total indoor unit number
	Wall mounted	○	○		○	○	○	○	○			
	Mini cassette	○	○		○	○	○					
	Big cassette							○	○	○		
	Duct D4	○	○	○	○	○	○					
	Duct D3					○	○	○	○	○		
	Cooling capacity	2.2 kW	2.8 kW	3.2 kW	3.6 kW	4.5 kW	5.6 kW	6.3 kW	7.1 kW	9.0 kW		
1		5			1						14.6	6
2		4	2								14.4	6
3		5		1							14.2	6
4		5	1								13.8	6
5		6									13.2	6
6		1	1	3							14.6	5
7		1	2	1	1						14.6	5
8		2	2			1					14.5	5
9		4					1				14.4	5
10		2	1		2						14.4	5
11		2		2	1						14.4	5
12			4	1							14.4	5
13		3		1		1					14.3	5
14		1	2	2							14.2	5
15		1	3		1						14.2	5
16		2		3							14	5
17			5								14	5
18		2	1	1	1						14	5
19		3	1			1					13.9	5
20		3			2						13.8	5
21		1	3	1							13.8	5
22		2	1	2							13.6	5
23		2	2		1						13.6	5
24		3		1	1						13.4	5
25		1	4								13.4	5
26		4				1					13.3	5
27		2	2	1							13.2	5

28		3	1		1						13	5
29		3		2							13	5
30		2	3								12.8	5
31		3	1	1							12.6	5
32		4			1						12.4	5
33		3	2								12.2	5
34		4		1							12	5
35		4	1								11.6	5
36		5									11	5
37		1		1	1		1				14.6	4
38			2			2					14.6	4
39		2				1	1				14.5	4
40		1	1	1				1			14.5	4
41			1		2	1					14.5	4
42				2	1	1					14.5	4
43		1		1		2					14.4	4
44			2	1			1				14.4	4
45					4						14.4	4
46		2	1						1		14.3	4
47		2			1			1			14.3	4
48		1		2			1				14.2	4
49				3		1					14.1	4
50		1	2					1			14.1	4
51			1	1	1	1					14.1	4
52		1	1			2					14	4
53				1	3						14	4
54			3				1				14	4
55		2		1				1			13.9	4
56		1			2	1					13.9	4
57		1	1	1			1				13.8	4
58		3							1		13.7	4
59			2		1	1					13.7	4
60			1	2		1					13.7	4
61			1		3						13.6	4
62				2	2						13.6	4
63		2			1		1				13.6	4
64		2	1					1			13.5	4
65		1		1	1	1					13.5	4
66		2				2					13.4	4
67		1	2				1				13.4	4
68			2	1		1					13.3	4
69				3	1						13.2	4
70		2		1			1				13.2	4
71			1	1	2						13.2	4
72		1		2		1					13.1	4
73		1	1		1	1					13.1	4
74		1			3						13	4
75		3						1			12.9	4
76			3			1					12.9	4
77		2	1				1				12.8	4
78			2		2						12.8	4
79				4							12.8	4
80			1	2	1						12.8	4

81		1	1	1		1					12.7	4
82		1		1	2						12.6	4
83		2			1	1					12.5	4
84			1	3							12.4	4
85			2	1	1						12.4	4
86		1	2			1					12.3	4
87		1		2	1						12.2	4
88		3					1				12.2	4
89		1	1		2						12.2	4
90		2		1		1					12.1	4
91			2	2							12	4
92			3		1						12	4
93		1		3							11.8	4
94		1	1	1	1						11.8	4
95		2	1			1					11.7	4
96		2			2						11.6	4
97			3	1							11.6	4
98		1	2		1						11.4	4
99		1	1	2							11.4	4
100		2		1	1						11.2	4
101			4								11.2	4
102		3				1					11.1	4
103		1	2	1							11	4
104		2	1		1						10.8	4
105		2		2							10.8	4
106		1	3								10.6	4
107		2	1	1							10.4	4
108		3			1						10.2	4
109		2	2								10	4
110		3		1							9.8	4
111		3	1								9.4	4
112		4									8.8	4
113			2							1	14.6	3
114						2	1				14.6	3
115		1		1						1	14.4	3
116			1			1			1		14.4	3
117				1			2				14.4	3
118					1	1		1			14.4	3
119					2				1		14.3	3
120		1					1	1			14.1	3
121		1	1							1	14	3
122			1				2				14	3
123				1		1		1			14	3
124				1	1				1		13.9	3
125		1				1			1		13.8	3
126					1	1	1				13.7	3
127			1			1		1			13.6	3
128			1		1				1		13.5	3
129				2					1		13.5	3
130					2			1			13.5	3
131						3					13.5	3
132		2								1	13.4	3
133		1					2				13.4	3



134				1		1	1				13.3	3
135				1	1			1			13.1	3
136			1	1					1		13.1	3
137		1				1		1			13	3
138		1			1				1		12.9	3
139			1			1	1				12.9	3
140					2		1				12.8	3
141			2						1		12.7	3
142			1		1			1			12.7	3
143				2				1			12.7	3
144					1	2					12.6	3
145		1		1					1		12.5	3
146				1	1		1				12.4	3
147		1				1	1				12.3	3
148			1	1				1			12.3	3
149				1		2					12.2	3
150		1			1			1			12.1	3
151		1	1						1		12.1	3
152			1		1		1				12	3
153				2			1				12	3
154			2					1			11.9	3
155			1			2					11.8	3
156		1		1				1			11.7	3
157					2	1					11.7	3
158			1	1			1				11.6	3
159		2							1		11.5	3
160		1			1		1				11.4	3
161		1	1						1		11.3	3
162				1	1	1					11.3	3
163		1				2					11.2	3
164			2				1				11.2	3
165		1		1			1				11	3
166			1		1	1					10.9	3
167				2		1					10.9	3
168					3						10.8	3
169		2						1			10.7	3
170		1	1				1				10.6	3
171			1	1		1					10.5	3
172				1	2						10.4	3
173		1			1	1					10.3	3
174			2			1					10.1	3
175		2					1				10	3
176			1		2						10	3
177				2	1						10	3
178		1		1		1					9.9	3
179				3							9.6	3
180			1	1	1						9.6	3
181		1	1			1					9.5	3
182		1			2						9.4	3
183			2		1						9.2	3
184			1	2							9.2	3
185		1		1	1						9	3
186		2				1					8.9	3

187			2	1							8.8	3
188		1		2							8.6	3
189		1	1		1						8.6	3
190			3								8.4	3
191		1	1	1							8.2	3
192		2			1						8	3
193		1	2								7.8	3
194		2		1							7.6	3
195		2	1								7.2	3
196		3									6.6	3
197							1			1	14.6	2
198									2		14.2	2
199						1				1	13.5	2
200								1	1		13.4	2
201							1		1		12.7	2
202					1					1	12.6	2
203								2			12.6	2
204				1						1	12.2	2
205							1	1			11.9	2
206			1							1	11.8	2
207						1			1		11.6	2
208		1								1	11.2	2
209							2				11.2	2
210						1		1			10.8	2
211					1				1		10.7	2
212				1					1		10.3	2
213						1	1				10.1	2
214					1			1			9.9	2
215			1						1		9.9	2
216				1				1			9.5	2
217		1							1		9.3	2
218					1		1				9.2	2
219			1					1			9.1	2
220						2					9	2
221				1			1				8.8	2
222		1						1			8.5	2
223			1				1				8.4	2
224					1	1					8.1	2
225		1					1				7.8	2
226				1		1					7.7	2
227			1			1					7.3	2
228					2						7.2	2
229				1	1						6.8	2
230		1				1					6.7	2
231			1		1						6.4	2
232				2							6.4	2
233			1	1							6	2
234		1			1						5.8	2
235			2								5.6	2

## 22.2 Heating

### 22.2.1 4HP(U-4LA1E5)

NO.	Indoor unit	0.8 HP	1.0 HP	1.25 HP	1.5 HP	1.75 HP	2.0 HP	2.5 HP	3.0 HP	3.5 HP	Total indoor capacity	Total indoor unit number
	Wall mounted	○	○		○	○	○	○	○			
	Mini cassette	○	○		○	○	○					
	Big cassette							○	○	○		
	Duct D4	○	○	○	○	○	○					
	Duct D3					○	○	○	○	○		
	Heating capacity	2.5 kW	3.2 kW	3.6 kW	4.2 kW	5.1 kW	6.4 kW	7.1 kW	8.0 kW	10.0 kW		
1		5			1						16.7	6
2		4	2								16.4	6
3		5		1							16.1	6
4		5	1								15.7	6
5		6									15	6
6		1	1	3							16.5	5
7		1	2	1	1						16.7	5
8		2	2			1					16.5	5
9		4					1				16.4	5
10		2	1		2						16.6	5
11		2		2	1						16.4	5
12			4	1							16.4	5
13		3		1		1					16.2	5
14		1	2	2							16.1	5
15		1	3		1						16.3	5
16		2		3							15.8	5
17			5								16	5
18		2	1	1	1						16	5
19		3	1			1					15.8	5
20		3			2						15.9	5
21		1	3	1							15.7	5
22		2	1	2							15.4	5
23		2	2		1						15.6	5
24		3		1	1						15.3	5
25		1	4								15.3	5
26		4				1					15.1	5
27		2	2	1							15	5
28		3	1		1						14.9	5
29		3		2							14.7	5
30		2	3								14.6	5
31		3	1	1							14.3	5
32		4			1						14.2	5
33		3	2								13.9	5
34		4		1							13.6	5
35		4	1								13.2	5
36		5									12.5	5
37		1		1	1		1				16.7	4
38			2			2					16.6	4
39		2				1	1				16.5	4

40		1	1	1				1			16.4	4
41			1		2	1					16.7	4
42				2	1	1					16.5	4
43		1		1		2					16.3	4
44			2	1			1				16.4	4
45					4						16.8	4
46		2	1						1		16.2	4
47		2			1			1			16.3	4
48		1		2			1				16.1	4
49				3		1					15.9	4
50		1	2					1			16	4
51			1	1	1	1					16.1	4
52		1	1			2					15.9	4
53				1	3						16.2	4
54			3				1				16	4
55		2		1				1			15.7	4
56		1			2	1					16	4
57		1	1	1			1				15.7	4
58		3							1		15.5	4
59			2		1	1					15.7	4
60			1	2		1					15.5	4
61			1		3						15.8	4
62				2	2						15.6	4
63		2			1		1				15.6	4
64		2	1					1			15.3	4
65		1		1	1	1					15.4	4
66		2				2					15.2	4
67		1	2				1				15.3	4
68			2	1		1					15.1	4
69				3	1						15	4
70		2		1			1				15	4
71			1	1	2						15.2	4
72		1		2		1					14.8	4
73		1	1		1	1					15	4
74		1			3						15.1	4
75		3						1			14.6	4
76			3			1					14.7	4
77		2	1				1				14.6	4
78			2		2						14.8	4
79				4							14.4	4
80			1	2	1						14.6	4
81		1	1	1		1					14.4	4
82		1		1	2						14.5	4
83		2			1	1					14.3	4
84			1	3							14	4
85			2	1	1						14.2	4
86		1	2			1					14	4
87		1		2	1						13.9	4
88		3					1				13.9	4
89		1	1		2						14.1	4
90		2		1		1					13.7	4
91			2	2							13.6	4
92			3		1						13.8	4

93		1		3							13.3	4
94		1	1	1	1						13.5	4
95		2	1			1					13.3	4
96		2			2						13.4	4
97			3	1							13.2	4
98		1	2		1						13.1	4
99		1	1	2							12.9	4
100		2		1	1						12.8	4
101			4								12.8	4
102		3				1					12.6	4
103		1	2	1							12.5	4
104		2	1		1						12.4	4
105		2		2							12.2	4
106		1	3								12.1	4
107		2	1	1							11.8	4
108		3			1						11.7	4
109		2	2								11.4	4
110		3		1							11.1	4
111		3	1								10.7	4
112		4									10	4
113			2						1		16.4	3
114						2	1				16.6	3
115		1		1					1		16.1	3
116			1			1			1		16.3	3
117				1			2				16.4	3
118					1	1		1			16.4	3
119					2				1		16.4	3
120		1					1	1			16	3
121		1	1						1		15.7	3
122			1				2				16	3
123				1		1		1			15.8	3
124				1	1				1		15.8	3
125		1				1			1		15.6	3
126					1	1	1				15.7	3
127			1			1		1			15.4	3
128			1		1				1		15.4	3
129				2					1		15.2	3
130					2			1			15.5	3
131						3					15.3	3
132		2							1		15	3
133		1					2				15.3	3
134				1		1	1				15.1	3
135				1	1			1			14.9	3
136			1	1					1		14.8	3
137		1				1		1			14.7	3
138		1			1				1		14.7	3
139			1			1	1				14.7	3
140					2		1				14.8	3
141			2						1		14.4	3
142			1		1			1			14.5	3
143				2				1			14.3	3
144					1	2					14.4	3
145		1		1					1		14.1	3

146				1	1		1				14.2	3
147		1				1	1				14	3
148			1	1				1			13.9	3
149				1		2					13.8	3
150		1			1			1			13.8	3
151		1	1						1		13.7	3
152			1		1		1				13.8	3
153				2			1				13.6	3
154			2					1			13.5	3
155			1			2					13.4	3
156		1		1				1			13.2	3
157					2	1					13.5	3
158			1	1			1				13.2	3
159		2							1		13	3
160		1			1		1				13.1	3
161		1	1					1			12.8	3
162				1	1	1					12.9	3
163		1				2					12.7	3
164			2				1				12.8	3
165		1		1			1				12.5	3
166			1		1	1					12.5	3
167				2		1					12.3	3
168					3						12.6	3
169		2						1			12.1	3
170		1	1				1				12.1	3
171			1	1		1					11.9	3
172				1	2						12	3
173		1			1	1					11.8	3
174			2			1					11.5	3
175		2					1				11.4	3
176			1		2						11.6	3
177				2	1						11.4	3
178		1		1		1					11.2	3
179				3							10.8	3
180			1	1	1						11	3
181		1	1			1					10.8	3
182		1			2						10.9	3
183			2		1						10.6	3
184			1	2							10.4	3
185		1		1	1						10.3	3
186		2				1					10.1	3
187			2	1							10	3
188		1		2							9.7	3
189		1	1		1						9.9	3
190			3								9.6	3
191		1	1	1							9.3	3
192		2			1						9.2	3
193		1	2								8.9	3
194		2		1							8.6	3
195		2	1								8.2	3
196		3									7.5	3
197							1		1		16.4	2
198								2			16	2

199						1				1	15.1	2
200								1	1		15.1	2
201								1		1	14.4	2
202					1					1	14.2	2
203									2		14.2	2
204				1						1	13.6	2
205								1	1		13.5	2
206				1						1	13.2	2
207						1				1	13.1	2
208		1								1	12.5	2
209								2			12.8	2
210						1			1		12.2	2
211					1					1	12.2	2
212				1						1	11.6	2
213						1	1				11.5	2
214					1				1		11.3	2
215			1							1	11.2	2
216				1					1		10.7	2
217		1								1	10.5	2
218					1		1				10.6	2
219				1					1		10.3	2
220							2				10.2	2
221				1				1			10	2
222		1							1		9.6	2
223			1					1			9.6	2
224					1	1					9.3	2
225		1						1			8.9	2
226				1		1					8.7	2
227			1			1					8.3	2
228						2					8.4	2
229				1	1						7.8	2
230		1					1				7.6	2
231			1		1						7.4	2
232					2						7.2	2
233			1	1							6.8	2
234		1				1					6.7	2
235				2							6.4	2

## 22.3 Cooling

### 22.3.1 5HP(U-5LA1E5)

Combination criteria

		5HP	
Total indoor capacity (kW)	MAX	18.2	
	Rated	14.0	
	MIN	7.0	
Total indoor unit number	MAX	8	
	MIN	2	
Combination (%)	50 ~ 130		

NO.	Indoor unit	0.8 HP	1.0 HP	1.25 HP	1.5 HP	1.75 HP	2.0 HP	2.5 HP	3.0 HP	3.5 HP	Total indoor capacity	Total indoor unit number
	Wall mounted	○	○		○	○	○	○	○			
	Mini cassette	○	○		○	○	○					
	Big cassette							○	○	○		
	Duct D4	○	○	○	○	○	○					
	Duct D3					○	○	○	○	○		
	Cooling capacity	2.2 kW	2.8 kW	3.2 kW	3.6 kW	4.5 kW	5.6 kW	6.3 kW	7.1 kW	9.0 kW		
1		7	1								18.2	8
2		8									17.6	8
3		5			2						18.2	7
4		3	3	1							18.2	7
5		4	2		1						18	7
6		4	1	2							18	7
7		5		1	1						17.8	7
8		3	4								17.8	7
9		6				1					17.7	7
10		4	2	1							17.6	7
11		5	1		1						17.4	7
12		5		2							17.4	7
13		4	3								17.2	7
14		5	1	1							17	7
15		6			1						16.8	7
16		5	2								16.6	7
17		6		1							16.4	7
18		6	1								16	7
19		7									15.4	7
20		3	1	1			1				18.2	6
21		1	1	3	1						18.2	6
22		1	2	1	2						18.2	6
23		1		5							18.2	6
24		5							1		18.1	6
25		2	2		1	1					18.1	6
26		2	1	2		1					18.1	6
27		4			1		1				18	6
28		2	1		3						18	6
29		2		2	2						18	6
30			4	1	1						18	6



31			3	3						18	6
32		4	1					1		17.9	6
33		3		1	1	1				17.9	6
34		1	4			1				17.9	6
35		4				2				17.8	6
36		1	2	2	1					17.8	6
37		1	1	4						17.8	6
38		3	2					1		17.8	6
39		1	3		2					17.8	6
40		2	2	1		1				17.7	6
41		4		1				1		17.6	6
42		2	1	1	2					17.6	6
43		2		3	1					17.6	6
44			5		1					17.6	6
45			4	2						17.6	6
46		3		2		1				17.5	6
47		3			3					17.4	6
48		1	2	3						17.4	6
49		1	3	1	1					17.4	6
50		5						1		17.3	6
51		2	3			1				17.3	6
52		4	1					1		17.2	6
53		2	1	2	1					17.2	6
54		2		4						17.2	6
55		2	2		2					17.2	6
56			5	1						17.2	6
57		3	1	1		1				17.1	6
58		3		1	2					17	6
59		1	4		1					17	6
60		1	3	2						17	6
61		4			1	1				16.9	6
62		2	2	1	1					16.8	6
63		2	1	3						16.8	6
64			6							16.8	6
65		3	2			1				16.7	6
66		5						1		16.6	6
67		3		2	1					16.6	6
68		1	4	1						16.6	6
69		4		1		1				16.5	6
70		2	3		1					16.4	6
71		2	2	2						16.4	6
72		3	1	1	1					16.2	6
73		3		3						16.2	6
74		1	5							16.2	6
75		4	1			1				16.1	6
76		4			2					16	6
77		2	3	1						16	6
78		3	1	2						15.8	6
79		3	2		1					15.8	6
80		4		1	1					15.6	6
81		2	4							15.6	6
82		5				1				15.5	6
83		3	2	1						15.4	6

84		4	1		1						15.2	6
85		4		2							15.2	6
86		3	3								15	6
87		4	1	1							14.8	6
88		5			1						14.6	6
89		4	2								14.4	6
90		5		1							14.2	6
91		5	1								13.8	6
92		6									13.2	6
93		1		1	2		1				18.2	5
94			1	2		2					18.2	5
95		1	2	1					1		18.1	5
96				2	2	1					18.1	5
97		1		3				1			18.1	5
98		1	1	1	1			1			18.1	5
99		1		1	1	2					18	5
100			2	1	1		1				18	5
101			1	3			1				18	5
102			3	1				1			17.9	5
103		2		2					1		17.9	5
104		1		2	1		1				17.8	5
105		2		1		1	1				17.7	5
106				3	1	1					17.7	5
107			1	1	2	1					17.7	5
108		1	1	2				1			17.7	5
109				1	4						17.6	5
110		1		2		2					17.6	5
111			2	2			1				17.6	5
112		2	1	1					1		17.5	5
113		2		1	1			1			17.5	5
114		1	1	1	1		1				17.4	5
115		1		3			1				17.4	5
116		1	2	1				1			17.3	5
117				4		1					17.3	5
118			1	2	1	1					17.3	5
119				2	3						17.2	5
120		1	1	1		2					17.2	5
121			3	1			1				17.2	5
122		1		1	2	1					17.1	5
123		2		2				1			17.1	5
124		1	1	2			1				17	5
125			1	3		1					16.9	5
126		3		1					1		16.9	5
127			2	1	1	1					16.9	5
128		2		1	1		1				16.8	5
129			1	1	3						16.8	5
130				3	2						16.8	5
131		1		2	1	1					16.7	5
132		2	1	1				1			16.7	5
133		2		1		2					16.6	5
134		1	2	1			1				16.6	5
135			2	2		1					16.5	5
136				4	1						16.4	5

137		2		2			1				16.4	5
138			1	2	2						16.4	5
139		1		3		1					16.3	5
140		1	1	1	1	1					16.3	5
141		1		1	3						16.2	5
142		3		1				1			16.1	5
143			3	1		1					16.1	5
144			1	3	1						16	5
145		2	1	1			1				16	5
146			2	1	2						16	5
147				5							16	5
148		1	1	2		1					15.9	5
149		1		2	2						15.8	5
150		2		1	1	1					15.7	5
151			1	4							15.6	5
152		3				2					15.6	5
153			2	2	1						15.6	5
154		2	2				1				15.6	5
155			3		2						15.6	5
156		1	2	1		1					15.5	5
157		3		1			1				15.4	5
158		1		3	1						15.4	5
159		1	1	1	2						15.4	5
160		2		2		1					15.3	5
161		2	1		1	1					15.3	5
162			2	3							15.2	5
163		2			3						15.2	5
164			3	1	1						15.2	5
165		4						1			15.1	5
166		1	3			1					15.1	5
167		1	1	2	1						15	5
168		1		4							15	5
169		1	2		2						15	5
170		3	1				1				15	5
171		2	1	1		1					14.9	5
172		2		1	2						14.8	5
173			3	2							14.8	5
174			4		1						14.8	5
175		3			1	1					14.7	5
176		1	1	3							14.6	5
177		1	2	1	1						14.6	5
178		2	2			1					14.5	5
179		2		2	1						14.4	5
180		2	1		2						14.4	5
181		4					1				14.4	5
182			4	1							14.4	5
183		3		1		1					14.3	5
184		1	3		1						14.2	5
185		2		3							14	5
186		2	1	1	1						14	5
187			5								14	5
188		3	1			1					13.9	5
189		3			2						13.8	5

190		1	3	1							13.8	5
191		2	1	2							13.6	5
192		2	2		1						13.6	5
193		3		1	1						13.4	5
194		1	4								13.4	5
195		4				1					13.3	5
196		2	2	1							13.2	5
197		3		2							13	5
198		3	1		1						13	5
199		2	3								12.8	5
200		3	1	1							12.6	5
201		4			1						12.4	5
202		3	2								12.2	5
203		4		1							12	5
204		4	1								11.6	5
205		5									11	5
206			1	2					1		18.2	4
207		1		1			1		1		18.1	4
208		1		1	1					1	18	4
209		1		1				2			18	4
210				1	1		2				18	4
211				2		1			1		18	4
212			1	1			1	1			17.9	4
213			2	1						1	17.8	4
214				1		2	1				17.8	4
215			1	1		1			1		17.6	4
216				1	1	1		1			17.6	4
217		1		2						1	17.6	4
218				2			2				17.6	4
219				1	2				1		17.5	4
220		1		1			1	1			17.3	4
221		1	1	1						1	17.2	4
222			1	1			2				17.2	4
223				2		1		1			17.2	4
224				2	1				1		17.1	4
225		1		1		1			1		17	4
226				1	1	1	1				16.9	4
227			1	1		1		1			16.8	4
228				3						1	16.7	4
229			1	1	1					1	16.7	4
230				1	2			1			16.7	4
231				1		3					16.7	4
232		2		1						1	16.6	4
233		1		1			2				16.6	4
234				2		1	1				16.5	4
235				2	1			1			16.3	4
236			1	2					1		16.3	4
237		1		1		1		1			16.2	4
238		1		1	1				1		16.1	4
239			1	1		1	1				16.1	4
240				1	2		1				16	4
241				3				1			15.9	4
242			2	1					1		15.9	4

243			1	1	1			1			15.9	4
244				1	1	2					15.8	4
245		1		2					1		15.7	4
246		3								1	15.6	4
247				2	1		1				15.6	4
248			1		2		1				15.6	4
249		2					2				15.6	4
250		1		1		1	1				15.5	4
251			1	2				1			15.5	4
252			2		1			1			15.5	4
253			3						1		15.5	4
254				2		2					15.4	4
255			1		1	2					15.4	4
256		1		1	1			1			15.3	4
257					3	1					15.3	4
258		1	1	1					1		15.3	4
259				3			1				15.2	4
260			1	1	1		1				15.2	4
261		2				1		1			15.2	4
262			2	1				1			15.1	4
263		2			1				1		15.1	4
264		1	1			1	1				15.1	4
265			1	1		2					15	4
266		1			2		1				15	4
267		1		2				1			14.9	4
268				1	2	1					14.9	4
269		1	2						1		14.9	4
270		1	1		1			1			14.9	4
271		1			1	2					14.8	4
272			1	2			1				14.8	4
273			2		1		1				14.8	4
274		2		1					1		14.7	4
275			3					1			14.7	4
276		1		1	1		1				14.6	4
277			2			2					14.6	4
278		1	1	1				1			14.5	4
279				2	1	1					14.5	4
280			1		2	1					14.5	4
281		2				1	1				14.5	4
282		1		1		2					14.4	4
283			2	1			1				14.4	4
284					4						14.4	4
285		2	1						1		14.3	4
286		2			1			1			14.3	4
287		1		2			1				14.2	4
288		1	1		1		1				14.2	4
289				3		1					14.1	4
290			1	1	1	1					14.1	4
291		1	2					1			14.1	4
292				1	3						14	4

293		1	1			2					14	4
294			3				1				14	4
295		2		1				1			13.9	4
296		1			2	1					13.9	4
297		1	1	1			1				13.8	4
298			1	2		1					13.7	4
299		3							1		13.7	4
300			2		1	1					13.7	4
301				2	2						13.6	4
302			1		3						13.6	4
303		2			1		1				13.6	4
304		1		1	1	1					13.5	4
305		2	1					1			13.5	4
306		2				2					13.4	4
307		1	2				1				13.4	4
308			2	1		1					13.3	4
309				3	1						13.2	4
310		2		1			1				13.2	4
311			1	1	2						13.2	4
312		1		2		1					13.1	4
313		1	1		1	1					13.1	4
314		1			3						13	4
315		3						1			12.9	4
316			3			1					12.9	4
317				4							12.8	4
318			2		2						12.8	4
319		2	1				1				12.8	4
320			1	2	1						12.8	4
321		1	1	1		1					12.7	4
322		1		1	2						12.6	4
323		2			1	1					12.5	4
324			1	3							12.4	4
325			2	1	1						12.4	4
326		1	2			1					12.3	4
327		1		2	1						12.2	4
328		1	1		2						12.2	4
329		3					1				12.2	4
330		2		1		1					12.1	4
331			2	2							12	4
332			3		1						12	4
333		1		3							11.8	4
334		1	1	1	1						11.8	4
335		2	1			1					11.7	4
336		2			2						11.6	4
337			3	1							11.6	4
338		1	1	2							11.4	4
339		1	2		1						11.4	4
340		2		1	1						11.2	4
341			4								11.2	4
342		3				1					11.1	4

343		1	2	1							11	4
344		2		2							10.8	4
345		2	1		1						10.8	4
346		1	3								10.6	4
347		2	1	1							10.4	4
348		3			1						10.2	4
349		2	2								10	4
350		3		1							9.8	4
351		3	1								9.4	4
352		4									8.8	4
353				1			1			1	17.8	3
354				1					2		17.4	3
355				1		1				1	16.7	3
356				1			1	1			16.6	3
357				1			1		1		15.9	3
358				1	1					1	15.8	3
359				1				2			15.8	3
360		1						1	1		15.6	3
361					1		1	1			15.5	3
362			1				1		1		15.5	3
363				2						1	15.4	3
364			1		1					1	15.4	3
365			1					2			15.4	3
366						2		1			15.3	3
367					1	1			1		15.2	3
368				1			1	1			15.1	3
369			1	1						1	15	3
370		1					1		1		14.9	3
371				1		1			1		14.8	3
372		1			1					1	14.8	3
373		1						2			14.8	3
374					1		2				14.8	3
375			1				1	1			14.7	3
376			2							1	14.6	3
377						2	1				14.6	3
378		1		1						1	14.4	3
379				1			2				14.4	3
380			1			1			1		14.4	3
381					1	1		1			14.4	3
382					2				1		14.3	3
383		1					1	1			14.1	3
384				1		1		1			14	3
385		1	1							1	14	3
386			1				2				14	3
387				1	1				1		13.9	3
388		1				1			1		13.8	3
389					1	1	1				13.7	3
390			1			1		1			13.6	3
391				2					1		13.5	3
392			1		1				1		13.5	3

393					2			1			13.5	3
394							3				13.5	3
395		2								1	13.4	3
396		1						2			13.4	3
397				1		1	1				13.3	3
398				1	1			1			13.1	3
399			1	1					1		13.1	3
400		1				1		1			13	3
401		1			1				1		12.9	3
402			1			1	1				12.9	3
403					2		1				12.8	3
404				2				1			12.7	3
405			2						1		12.7	3
406			1		1			1			12.7	3
407					1	2					12.6	3
408		1		1					1		12.5	3
409				1	1		1				12.4	3
410			1	1				1			12.3	3
411		1				1	1				12.3	3
412				1		2					12.2	3
413		1			1			1			12.1	3
414		1	1						1		12.1	3
415				2			1				12	3
416			1		1		1				12	3
417			2					1			11.9	3
418			1			2					11.8	3
419		1		1				1			11.7	3
420					2	1					11.7	3
421			1	1			1				11.6	3
422		2							1		11.5	3
423		1			1		1				11.4	3
424				1	1	1					11.3	3
425		1	1					1			11.3	3
426		1				2					11.2	3
427			2				1				11.2	3
428		1		1			1				11	3
429				2		1					10.9	3
430			1		1	1					10.9	3
431					3						10.8	3
432		2						1			10.7	3
433		1	1				1				10.6	3
434			1	1		1					10.5	3
435				1	2						10.4	3
436		1			1	1					10.3	3
437			2			1					10.1	3
438				2	1						10	3
439			1		2						10	3
440		2					1				10	3
441		1		1		1					9.9	3
442				3							9.6	3



443			1	1	1						9.6	3
444		1	1			1					9.5	3
445		1			2						9.4	3
446			1	2							9.2	3
447			2		1						9.2	3
448		1		1	1						9	3
449		2				1					8.9	3
450			2	1							8.8	3
451		1		2							8.6	3
452		1	1		1						8.6	3
453			3								8.4	3
454		1	1	1							8.2	3
455		2			1						8	3
456		1	2								7.8	3
457		2		1							7.6	3
458		2	1								7.2	3
459							1		1		15.3	2
460						1			1		14.6	2
461								2			14.2	2
462						1			1		13.5	2
463							1	1			13.4	2
464							1		1		12.7	2
465					1				1		12.6	2
466								2			12.6	2
467				1					1		12.2	2
468							1	1			11.9	2
469			1						1		11.8	2
470						1			1		11.6	2
471		1							1		11.2	2
472							2				11.2	2
473						1		1			10.8	2
474					1				1		10.7	2
475				1					1		10.3	2
476						1	1				10.1	2
477					1			1			9.9	2
478			1						1		9.9	2
479				1				1			9.5	2
480		1							1		9.3	2
481					1		1				9.2	2
482			1					1			9.1	2
483						2					9	2
484				1			1				8.8	2
485		1						1			8.5	2
486			1				1				8.4	2
487					1	1					8.1	2
488		1					1				7.8	2
489				1		1					7.7	2
490			1			1					7.3	2
491					2						7.2	2

## 22.4 Heating

### 22.4.1 5HP(U-5LA1E5)

NO.	Indoor unit	0.8 HP	1.0 HP	1.25 HP	1.5 HP	1.75 HP	2.0 HP	2.5 HP	3.0 HP	3.5 HP	Total indoor capacity	Total indoor unit number
	Wall mounted	○	○		○	○	○	○	○			
	Mini cassette	○	○		○	○	○					
	Big cassette							○	○	○		
	Duct D4	○	○	○	○	○	○					
	Duct D3					○	○	○	○	○		
	Heating capacity	2.5 kW	3.2 kW	3.6 kW	4.2 kW	5.1 kW	6.4 kW	7.1 kW	8.0 kW	10.0 kW		
1		7	1								20.7	8
2		8									20	8
3		5			2						20.9	7
4		3	3	1							20.7	7
5		4	2		1						20.6	7
6		4	1	2							20.4	7
7		5		1	1						20.3	7
8		3	4								20.3	7
9		6				1					20.1	7
10		4	2	1							20	7
11		5	1		1						19.9	7
12		5		2							19.7	7
13		4	3								19.6	7
14		5	1	1							19.3	7
15		6			1						19.2	7
16		5	2								18.9	7
17		6		1							18.6	7
18		6	1								18.2	7
19		7									17.5	7
20		3	1	1			1				20.7	6
21		1	1	3	1						20.7	6
22		1	2	1	2						20.9	6
23		1		5							20.5	6
24		5							1		20.5	6
25		2	2		1	1					20.7	6
26		2	1	2		1					20.5	6
27		4			1		1				20.6	6
28		2	1		3						20.8	6
29		2		2	2						20.6	6
30			4	1	1						20.6	6
31			3	3							20.4	6
32		4	1					1			20.3	6
33		3		1	1	1					20.4	6
34		1	4			1					20.4	6
35		4				2					20.2	6
36		1	2	2	1						20.3	6
37		1	1	4							20.1	6
38		3	2				1				20.3	6
39		1	3		2						20.5	6

40		2	2	1		1					20.1	6
41		4		1			1				20	6
42		2	1	1	2						20.2	6
43		2		3	1						20	6
44			5		1						20.2	6
45			4	2							20	6
46		3		2		1					19.8	6
47		3			3						20.1	6
48		1	2	3							19.7	6
49		1	3	1	1						19.9	6
50		5							1		19.6	6
51		2	3			1					19.7	6
52		4	1				1				19.6	6
53		2	1	2	1						19.6	6
54		2		4							19.4	6
55		2	2		2						19.8	6
56			5	1							19.6	6
57		3	1	1		1					19.4	6
58		3		1	2						19.5	6
59		1	4		1						19.5	6
60		1	3	2							19.3	6
61		4			1	1					19.3	6
62		2	2	1	1						19.2	6
63		2	1	3							19	6
64			6								19.2	6
65		3	2			1					19	6
66		5							1		18.9	6
67		3		2	1						18.9	6
68		1	4	1							18.9	6
69		4		1		1					18.7	6
70		2	3		1						18.8	6
71		2	2	2							18.6	6
72		3	1	1	1						18.5	6
73		3		3							18.3	6
74		1	5								18.5	6
75		4	1			1					18.3	6
76		4			2						18.4	6
77		2	3	1							18.2	6
78		3	1	2							17.9	6
79		3	2		1						18.1	6
80		4		1	1						17.8	6
81		2	4								17.8	6
82		5				1					17.6	6
83		3	2	1							17.5	6
84		4	1		1						17.4	6
85		4		2							17.2	6
86		3	3								17.1	6
87		4	1	1							16.8	6
88		5			1						16.7	6
89		4	2								16.4	6
90		5		1							16.1	6
91		5	1								15.7	6
92		6									15	6

93		1		1	2		1				20.9	5
94			1	2		2					20.6	5
95		1	2	1					1		20.5	5
96				2	2	1					20.7	5
97		1		3				1			20.4	5
98		1	1	1	1			1			20.6	5
99		1		1	1	2					20.5	5
100			2	1	1		1				20.6	5
101			1	3			1				20.4	5
102			3	1				1			20.3	5
103		2		2					1		20.2	5
104		1		2	1		1				20.3	5
105		2		1		1	1				20.1	5
106				3	1	1					20.1	5
107			1	1	2	1					20.3	5
108		1	1	2				1			20	5
109				1	4						20.4	5
110		1		2		2					19.9	5
111			2	2			1				20	5
112		2	1	1					1		19.8	5
113		2		1	1			1			19.9	5
114		1	1	1	1		1				19.9	5
115		1		3			1				19.7	5
116		1	2	1				1			19.6	5
117				4		1					19.5	5
118			1	2	1	1					19.7	5
119				2	3						19.8	5
120		1	1	1		2					19.5	5
121			3	1			1				19.6	5
122		1		1	2	1					19.6	5
123		2		2				1			19.3	5
124		1	1	2			1				19.3	5
125			1	3		1					19.1	5
126		3		1					1		19.1	5
127			2	1	1	1					19.3	5
128		2		1	1		1				19.2	5
129			1	1	3						19.4	5
130				3	2						19.2	5
131		1		2	1	1					19	5
132		2	1	1				1			18.9	5
133		2		1		2					18.8	5
134		1	2	1			1				18.9	5
135			2	2		1					18.7	5
136				4	1						18.6	5
137		2		2			1				18.6	5
138			1	2	2						18.8	5
139		1		3		1					18.4	5
140		1	1	1	1	1					18.6	5
141		1		1	3						18.7	5
142		3		1				1			18.2	5
143			3	1		1					18.3	5
144			1	3	1						18.2	5
145		2	1	1			1				18.2	5

146			2	1	2						18.4	5
147				5							18	5
148		1	1	2		1					18	5
149		1		2	2						18.1	5
150		2		1	1	1					17.9	5
151			1	4							17.6	5
152		3				2					17.7	5
153			2	2	1						17.8	5
154		2	2				1				17.8	5
155			3		2						18	5
156		1	2	1		1					17.6	5
157		3		1			1				17.5	5
158		1		3	1						17.5	5
159		1	1	1	2						17.7	5
160		2		2		1					17.3	5
161		2	1		1	1					17.5	5
162			2	3							17.2	5
163		2			3						17.6	5
164			3	1	1						17.4	5
165		4						1			17.1	5
166		1	3			1					17.2	5
167		1	1	2	1						17.1	5
168		1		4							16.9	5
169		1	2		2						17.3	5
170		3	1				1				17.1	5
171		2	1	1		1					16.9	5
172		2		1	2						17	5
173			3	2							16.8	5
174			4		1						17	5
175		3			1	1					16.8	5
176		1	1	3							16.5	5
177		1	2	1	1						16.7	5
178		2	2			1					16.5	5
179		2		2	1						16.4	5
180		2	1		2						16.6	5
181		4					1				16.4	5
182			4	1							16.4	5
183		3		1		1					16.2	5
184		1	3		1						16.3	5
185		2		3							15.8	5
186		2	1	1	1						16	5
187			5								16	5
188		3	1			1					15.8	5
189		3			2						15.9	5
190		1	3	1							15.7	5
191		2	1	2							15.4	5
192		2	2		1						15.6	5
193		3		1	1						15.3	5
194		1	4								15.3	5
195		4				1					15.1	5
196		2	2	1							15	5
197		3		2							14.7	5
198		3	1		1						14.9	5

199		2	3							14.6	5
200		3	1	1						14.3	5
201		4			1					14.2	5
202		3	2							13.9	5
203		4		1						13.6	5
204		4	1							13.2	5
205		5								12.5	5
206			1	2					1	20.4	4
207		1		1			1		1	20.5	4
208		1		1	1				1	20.3	4
209		1		1				2		20.3	4
210				1	1		2			20.6	4
211				2		1			1	20.3	4
212			1	1			1	1		20.3	4
213			2	1					1	20	4
214				1		2	1			20.2	4
215			1	1		1			1	19.9	4
216				1	1	1		1		20	4
217		1		2					1	19.7	4
218				2			2			20	4
219				1	2				1	20	4
220		1		1			1	1		19.6	4
221		1	1	1					1	19.3	4
222			1	1			2			19.6	4
223				2		1		1		19.4	4
224				2	1				1	19.4	4
225		1		1		1			1	19.2	4
226				1	1	1	1			19.3	4
227			1	1		1		1		19	4
228				3					1	18.8	4
229			1	1	1				1	19	4
230				1	2			1		19.1	4
231				1		3				18.9	4
232		2		1					1	18.6	4
233		1		1			2			18.9	4
234				2		1	1			18.7	4
235				2	1			1		18.5	4
236			1	2					1	18.4	4
237		1		1		1		1		18.3	4
238		1		1	1				1	18.3	4
239			1	1		1	1			18.3	4
240				1	2		1			18.4	4
241				3				1		17.9	4
242			2	1					1	18	4
243			1	1	1			1		18.1	4
244				1	1	2				18	4
245		1		2					1	17.7	4
246		3							1	17.5	4
247				2	1		1			17.8	4
248			1		2		1			18	4
249		2					2			17.8	4
250		1		1		1	1			17.6	4

251			1	2				1			17.5	4
252			2		1			1			17.7	4
253			3						1		17.6	4
254				2		2					17.4	4
255			1		1	2					17.6	4
256		1		1	1			1			17.4	4
257					3	1					17.7	4
258		1	1	1					1		17.3	4
259				3			1				17.2	4
260			1	1	1		1				17.4	4
261		2				1		1			17.2	4
262			2	1				1			17.1	4
263		2			1				1		17.2	4
264		1	1			1	1				17.2	4
265			1	1		2					17	4
266		1			2		1				17.3	4
267		1		2				1			16.8	4
268				1	2	1					17.1	4
269		1	2						1		16.9	4
270		1	1		1			1			17	4
271		1			1	2					16.9	4
272			1	2			1				16.8	4
273			2		1		1				17	4
274		2		1					1		16.6	4
275			3					1			16.7	4
276		1		1	1		1				16.7	4
277			2			2					16.6	4
278		1	1	1				1			16.4	4
279				2	1	1					16.5	4
280			1		2	1					16.7	4
281		2				1	1				16.5	4
282		1		1		2					16.3	4
283			2	1			1				16.4	4
284					4						16.8	4
285		2	1						1		16.2	4
286		2			1			1			16.3	4
287		1		2			1				16.1	4
288		1	1		1		1				16.3	4
289				3		1					15.9	4
290			1	1	1	1					16.1	4
291		1	2					1			16	4
292				1	3						16.2	4
293		1	1			2					15.9	4
294			3				1				16	4
295		2		1				1			15.7	4
296		1			2	1					16	4
297		1	1	1			1				15.7	4
298			1	2		1					15.5	4
299		3							1		15.5	4
300			2		1	1					15.7	4

301				2	2						15.6	4
302			1		3						15.8	4
303		2			1		1				15.6	4
304		1		1	1	1					15.4	4
305		2	1					1			15.3	4
306		2				2					15.2	4
307		1	2				1				15.3	4
308			2	1		1					15.1	4
309				3	1						15	4
310		2		1			1				15	4
311			1	1	2						15.2	4
312		1		2		1					14.8	4
313		1	1		1	1					15	4
314		1			3						15.1	4
315		3						1			14.6	4
316			3			1					14.7	4
317				4							14.4	4
318			2		2						14.8	4
319		2	1				1				14.6	4
320			1	2	1						14.6	4
321		1	1	1		1					14.4	4
322		1		1	2						14.5	4
323		2			1	1					14.3	4
324			1	3							14	4
325			2	1	1						14.2	4
326		1	2			1					14	4
327		1		2	1						13.9	4
328		1	1		2						14.1	4
329		3					1				13.9	4
330		2		1		1					13.7	4
331			2	2							13.6	4
332			3		1						13.8	4
333		1		3							13.3	4
334		1	1	1	1						13.5	4
335		2	1			1					13.3	4
336		2			2						13.4	4
337			3	1							13.2	4
338		1	1	2							12.9	4
339		1	2		1						13.1	4
340		2		1	1						12.8	4
341			4								12.8	4
342		3				1					12.6	4
343		1	2	1							12.5	4
344		2		2							12.2	4
345		2	1		1						12.4	4
346		1	3								12.1	4
347		2	1	1							11.8	4
348		3			1						11.7	4
349		2	2								11.4	4
350		3		1							11.1	4



351		3	1							10.7	4
352		4								10	4
353				1			1		1	20	3
354				1					2	19.6	3
355				1		1			1	18.7	3
356				1			1	1		18.7	3
357				1			1		1	18	3
358				1	1				1	17.8	3
359				1				2		17.8	3
360		1						1	1	17.6	3
361					1		1	1		17.7	3
362			1				1		1	17.6	3
363				2					1	17.2	3
364			1		1				1	17.4	3
365			1					2		17.4	3
366						2		1		17.3	3
367					1	1			1	17.3	3
368				1			1	1		17.1	3
369			1	1					1	16.8	3
370		1					1		1	16.9	3
371				1		1			1	16.7	3
372		1			1				1	16.7	3
373		1						2		16.7	3
374					1		2			17	3
375			1				1	1		16.7	3
376			2						1	16.4	3
377						2	1			16.6	3
378		1		1					1	16.1	3
379				1			2			16.4	3
380			1			1			1	16.3	3
381					1	1		1		16.4	3
382					2				1	16.4	3
383		1					1	1		16	3
384				1		1		1		15.8	3
385		1	1						1	15.7	3
386			1				2			16	3
387				1	1				1	15.8	3
388		1				1			1	15.6	3
389					1	1	1			15.7	3
390			1			1		1		15.4	3
391				2					1	15.2	3
392			1		1				1	15.4	3
393					2			1		15.5	3
394						3				15.3	3
395		2							1	15	3
396		1					2			15.3	3
397				1		1	1			15.1	3
398				1	1			1		14.9	3
399			1	1					1	14.8	3
400		1				1		1		14.7	3

401		1			1				1		14.7	3
402			1			1	1				14.7	3
403					2		1				14.8	3
404				2				1			14.3	3
405			2						1		14.4	3
406			1		1			1			14.5	3
407					1	2					14.4	3
408		1		1					1		14.1	3
409				1	1		1				14.2	3
410			1	1				1			13.9	3
411		1				1	1				14	3
412				1		2					13.8	3
413		1			1			1			13.8	3
414		1	1						1		13.7	3
415				2			1				13.6	3
416			1		1		1				13.8	3
417			2					1			13.5	3
418			1			2					13.4	3
419		1		1				1			13.2	3
420					2	1					13.5	3
421			1	1			1				13.2	3
422		2							1		13	3
423		1			1		1				13.1	3
424				1	1	1					12.9	3
425		1	1					1			12.8	3
426		1				2					12.7	3
427			2				1				12.8	3
428		1		1			1				12.5	3
429				2		1					12.3	3
430			1		1	1					12.5	3
431					3						12.6	3
432		2						1			12.1	3
433		1	1				1				12.1	3
434			1	1		1					11.9	3
435				1	2						12	3
436		1			1	1					11.8	3
437			2			1					11.5	3
438				2	1						11.4	3
439			1		2						11.6	3
440		2					1				11.4	3
441		1		1		1					11.2	3
442				3							10.8	3
443			1	1	1						11	3
444		1	1			1					10.8	3
445		1			2						10.9	3
446			1	2							10.4	3
447			2		1						10.6	3
448		1		1	1						10.3	3
449		2				1					10.1	3
450			2	1							10	3

451		1		2						9.7	3
452		1	1		1					9.9	3
453			3							9.6	3
454		1	1	1						9.3	3
455		2			1					9.2	3
456		1	2							8.9	3
457		2		1						8.6	3
458		2	1							8.2	3
459							1		1	17.1	2
460						1			1	16.4	2
461								2		16	2
462					1				1	15.1	2
463							1	1		15.1	2
464						1		1		14.4	2
465					1				1	14.2	2
466							2			14.2	2
467				1					1	13.6	2
468						1	1			13.5	2
469			1						1	13.2	2
470						1		1		13.1	2
471		1							1	12.5	2
472							2			12.8	2
473					1		1			12.2	2
474					1			1		12.2	2
475				1				1		11.6	2
476					1	1				11.5	2
477					1		1			11.3	2
478			1					1		11.2	2
479				1				1		10.7	2
480		1						1		10.5	2
481					1		1			10.6	2
482			1					1		10.3	2
483						2				10.2	2
484				1			1			10	2
485		1						1		9.6	2
486			1				1			9.6	2
487					1	1				9.3	2
488		1					1			8.9	2
489				1		1				8.7	2
490			1			1				8.3	2
491					2					8.4	2

## 22.5 Cooling

### 22.5.1 6HP(U-6LA1E5)

Combination criteria

		6HP	
Total indoor capacity (kW)	MAX	20.2	
	Rated	15.5	
	MIN	7.8	
Total indoor unit number	MAX	8	
	MIN	2	
Combination (%)	50 ~ 130		

NO.	Indoor unit	0.8 HP	1.0 HP	1.25 HP	1.5 HP	1.75 HP	2.0 HP	2.5 HP	3.0 HP	3.5 HP	Total indoor capacity	Total indoor unit number
	Wall mounted	○	○		○	○	○	○	○			
	Mini cassette	○	○		○	○	○					
	Big cassette							○	○	○		
	Duct D4	○	○	○	○	○	○					
	Duct D3					○	○	○	○	○		
	Cooling capacity	2.2 kW	2.8 kW	3.2 kW	3.6 kW	4.5 kW	5.6 kW	6.3 kW	7.1 kW	9.0 kW		
1		5	2		1						20.2	8
2		6		1	1						20	8
3		4	4								20	8
4		7				1					19.9	8
5		5	2	1							19.8	8
6		6		2							19.6	8
7		6	1		1						19.6	8
8		6	1	1							19.2	8
9		7			1						19	8
10		6	2								18.8	8
11		7		1							18.6	8
12		7	1								18.2	8
13		8									17.6	8
14		3	1		3						20.2	7
15		1	4	1	1						20.2	7
16		1	3	3							20.2	7
17		5			1		1				20.2	7
18		5	1					1			20.1	7
19		2	4			1					20.1	7
20		2	2	2	1						20	7
21		2	1	4							20	7
22		2	3		2						20	7
23		5				2					20	7
24		4	2				1				20	7
25		3	2	1		1					19.9	7
26		3		3	1						19.8	7
27		3	1	1	2						19.8	7
28		1	5		1						19.8	7
29		5		1			1				19.8	7
30		1	4	2							19.8	7

31		4		2		1					19.7	7
32		4	1		1	1					19.7	7
33		2	3	1	1						19.6	7
34		2	2	3							19.6	7
35		4			3						19.6	7
36			7								19.6	7
37		6						1			19.5	7
38		3	3			1					19.5	7
39		3	1	2	1						19.4	7
40		3		4							19.4	7
41		1	5	1							19.4	7
42		3	2		2						19.4	7
43		5	1					1			19.4	7
44		4	1	1		1					19.3	7
45		2	3	2							19.2	7
46		2	4		1						19.2	7
47		5			1	1					19.1	7
48		3	2	1	1						19	7
49		3	1	3							19	7
50		1	6								19	7
51		4	2			1					18.9	7
52		2	4	1							18.8	7
53		4		2	1						18.8	7
54		4	1		2						18.8	7
55		6						1			18.8	7
56		5		1		1					18.7	7
57		3	2	2							18.6	7
58		3	3		1						18.6	7
59		4	1	1	1						18.4	7
60		4		3							18.4	7
61		2	5								18.4	7
62		5	1			1					18.3	7
63		3	3	1							18.2	7
64		5			2						18.2	7
65		4	1	2							18	7
66		4	2		1						18	7
67		5		1	1						17.8	7
68		3	4								17.8	7
69		6				1					17.7	7
70		4	2	1							17.6	7
71		5	1		1						17.4	7
72		5		2							17.4	7
73		4	3								17.2	7
74		5	1	1							17	7
75		6			1						16.8	7
76		5	2								16.6	7
77		6		1							16.4	7
78		6	1								16	7
79		7									15.4	7
80		2		1	1	2					20.2	6
81		1	2	1	1			1			20.2	6
82		1			5						20.2	6
83			4			2					20.2	6

84		3		2					1		20.1	6
85			2	2	1	1					20.1	6
86			1	4		1					20.1	6
87		3	1		1				1		20.1	6
88		3			2				1		20.1	6
89		3				3					20.1	6
90		2	2			1	1				20.1	6
91		1	3	1					1		20.1	6
92			3		2	1					20.1	6
93		1	2	1		2					20	6
94			4	1					1		20	6
95		2		2	1				1		20	6
96			1	2	3						20	6
97				4	2						20	6
98			2		4						20	6
99		2	1		2				1		20	6
100		5								1	20	6
101		4							2		20	6
102		2	1	2					1		19.9	6
103		3		1		1	1				19.9	6
104		1	1	1	2	1					19.9	6
105		1		3	1	1					19.9	6
106		2	3							1	19.9	6
107		2	2		1				1		19.9	6
108		1		1	4						19.8	6
109		2		2		2					19.8	6
110		2	1		1	2					19.8	6
111		1	2	2					1		19.8	6
112		1	3		1				1		19.8	6
113		3	1	1						1	19.7	6
114			2	3		1					19.7	6
115		2			3	1					19.7	6
116		3		1	1					1	19.7	6
117		1	4							1	19.7	6
118		2	1	1	1				1		19.6	6
119		2		3					1		19.6	6
120			1	3	2						19.6	6
121				5	1						19.6	6
122		4				1				1	19.6	6
123			5						1		19.6	6
124		1	3			2					19.6	6
125		2	2	1						1	19.5	6
126		1	1	2	1	1					19.5	6
127		1		4		1					19.5	6
128		4			1					1	19.5	6
129		1	2		2	1					19.5	6
130		1		2	3						19.4	6
131		2	1	1		2					19.4	6
132		1	3	1					1		19.4	6
133		1	1		4						19.4	6
134		3			2				1		19.4	6
135		2		1	2	1					19.3	6
136		3		2						1	19.3	6

137		3	1		1			1			19.3	6
138			3	2		1					19.3	6
139		3	2						1		19.3	6
140			4		1	1					19.3	6
141		2	1	2			1				19.2	6
142			1	4	1						19.2	6
143				6							19.2	6
144		3			1	2					19.2	6
145			2	2	2						19.2	6
146			3		3						19.2	6
147		2	2		1		1				19.2	6
148		4		1					1		19.1	6
149		1	2	1	1	1					19.1	6
150		2	3					1			19.1	6
151		3		1	1		1				19	6
152		1	1	1	3						19	6
153		1		3	2						19	6
154		2	2			2					19	6
155		1	4				1				19	6
156		3	1	1				1			18.9	6
157			4	1		1					18.9	6
158		2		2	1	1					18.9	6
159		2	1		2	1					18.9	6
160		4				1	1				18.9	6
161		3		1		2					18.8	6
162			2	3	1						18.8	6
163			1	5							18.8	6
164		2			4						18.8	6
165		2	2	1			1				18.8	6
166			3	1	2						18.8	6
167		4	1						1		18.7	6
168		1	2	2		1					18.7	6
169		4			1			1			18.7	6
170		1	3		1	1					18.7	6
171		3		2			1				18.6	6
172		1	1	2	2						18.6	6
173		1		4	1						18.6	6
174		1	2		3						18.6	6
175		3	1		1		1				18.6	6
176		2	1	1	1	1					18.5	6
177		2		3		1					18.5	6
178		3	2					1			18.5	6
179			5			1					18.5	6
180		2		1	3						18.4	6
181			3	2	1						18.4	6
182			2	4							18.4	6
183			4		2						18.4	6
184		2	3				1				18.4	6
185		4		1				1			18.3	6
186		3			2	1					18.3	6
187		1	3	1		1					18.3	6
188		3	1	1			1				18.2	6
189		1	1	3	1						18.2	6

190		1	2	1	2						18.2	6
191		1		5							18.2	6
192		2	1	2		1					18.1	6
193		5							1		18.1	6
194		2	2		1	1					18.1	6
195			4	1	1						18	6
196		2		2	2						18	6
197			3	3							18	6
198		2	1		3						18	6
199		4			1		1				18	6
200		4	1					1			17.9	6
201		3		1	1	1					17.9	6
202		1	4			1					17.9	6
203		1	2	2	1						17.8	6
204		1	1	4							17.8	6
205		4				2					17.8	6
206		1	3		2						17.8	6
207		3	2				1				17.8	6
208		2	2	1		1					17.7	6
209		4		1			1				17.6	6
210		2	1	1	2						17.6	6
211			4	2							17.6	6
212		2		3	1						17.6	6
213			5		1						17.6	6
214		3		2		1					17.5	6
215		3	1		1	1					17.5	6
216		1	2	3							17.4	6
217		3			3						17.4	6
218		1	3	1	1						17.4	6
219		5						1			17.3	6
220		2	3			1					17.3	6
221		2	1	2	1						17.2	6
222		2		4							17.2	6
223		4	1				1				17.2	6
224			5	1							17.2	6
225		2	2		2						17.2	6
226		3	1	1		1					17.1	6
227		3		1	2						17	6
228		1	3	2							17	6
229		1	4		1						17	6
230		4			1	1					16.9	6
231		2	2	1	1						16.8	6
232		2	1	3							16.8	6
233			6								16.8	6
234		3	2			1					16.7	6
235		3		2	1						16.6	6
236		3	1		2						16.6	6
237		5					1				16.6	6
238		1	4	1							16.6	6
239		4		1		1					16.5	6
240		2	2	2							16.4	6
241		2	3		1						16.4	6
242		3	1	1	1						16.2	6



243		3		3							16.2	6
244		1	5								16.2	6
245		4	1			1					16.1	6
246		2	3	1							16	6
247		4			2						16	6
248		3	1	2							15.8	6
249		3	2		1						15.8	6
250		4		1	1						15.6	6
251		2	4								15.6	6
252		5				1					15.5	6
253		3	2	1							15.4	6
254		4		2							15.2	6
255		4	1		1						15.2	6
256		3	3								15	6
257		4	1	1							14.8	6
258		5			1						14.6	6
259		4	2								14.4	6
260		5		1							14.2	6
261		5	1								13.8	6
262		6									13.2	6
263		2		1	1				1		20.2	5
264		1		2		1			1		20.2	5
265		2		1				2			20.2	5
266		1		1	1		2				20.2	5
267		1	1		1	1			1		20.2	5
268		1			2	1		1			20.2	5
269		1				4					20.2	5
270			4							1	20.2	5
271			2			2	1				20.2	5
272				2	1	1	1				20.1	5
273		1			3				1		20.1	5
274			1		2	1	1				20.1	5
275		3				1				1	20.1	5
276		2				1	2				20.1	5
277		1	1	1			1	1			20.1	5
278		1	2	1						1	20	5
279		1		1		2	1				20	5
280			2	1			2				20	5
281			1	2		1		1			20	5
282					4		1				20	5
283		3						1	1		20	5
284			3			1			1		20	5
285			2		1	1		1			20	5
286				2	2			1			19.9	5
287			1		3			1			19.9	5
288			1	2	1				1		19.9	5
289				2		3					19.9	5
290				4					1		19.9	5
291			2		2				1		19.9	5
292			1		1	3					19.9	5

293		2	1				1		1		19.9	5
294		2			1		1	1			19.9	5
295		1		1	1	1		1			19.8	5
296		2		2						1	19.8	5
297		1		2			2				19.8	5
298					3	2					19.8	5
299		2	1		1					1	19.8	5
300		2	1					2			19.8	5
301		1	1	1		1				1	19.8	5
302		1	1		1		2				19.8	5
303		1		1	2					1	19.7	5
304				3		1	1				19.7	5
305			1	1	1	1	1				19.7	5
306		2				2		1			19.7	5
307		1	2				1	1			19.7	5
308			2	1		1		1			19.6	5
309				1	3		1				19.6	5
310		2			1	1				1	19.6	5
311		1	1			2	1				19.6	5
312		1	3							1	19.6	5
313			3				2				19.6	5
314		2		1			1	1			19.5	5
315			2	1	1					1	19.5	5
316			1	1	2					1	19.5	5
317			1	1		3					19.5	5
318			1	3						1	19.5	5
319				3	1					1	19.5	5
320		1			2	1	1				19.5	5
321		1		2		1				1	19.4	5
322		2	1	1						1	19.4	5
323		1	1	1			2				19.4	5
324				1	2	2					19.4	5
325		1	2			1				1	19.4	5
326		1	1		1	1				1	19.4	5
327		1		2	1					1	19.3	5
328		1			3					1	19.3	5
329		1			1	3					19.3	5
330			1	2		1	1				19.3	5
331		1	1		2					1	19.3	5
332		3					1			1	19.3	5
333			2		1	1	1				19.3	5
334		2		1		1				1	19.2	5
335				2	2		1				19.2	5
336			1		3		1				19.2	5
337		3			1					1	19.2	5
338		3								2	19.2	5
339			3			1				1	19.2	5
340		2			1		2				19.2	5
341		1		1	1	1	1				19.1	5
342			2	2						1	19.1	5

343				4				1			19.1	5
344			2		2			1			19.1	5
345			2			3					19.1	5
346		2	1				1	1			19.1	5
347			1	2	1			1			19.1	5
348			3		1				1		19.1	5
349		1	1	1		1		1			19	5
350				2	1	2					19	5
351			1		2	2					19	5
352		2	2							1	19	5
353		2				2	1				19	5
354		1	2				2				19	5
355		1		1	2			1			18.9	5
356		1	1	1	1				1		18.9	5
357		1		1		3					18.9	5
358			2	1		1	1				18.9	5
359		1		3					1		18.9	5
360					4	1					18.9	5
361		3		1						1	18.8	5
362		2		1			2				18.8	5
363				3	1		1				18.8	5
364		2			1	1		1			18.8	5
365			1	1	2		1				18.8	5
366		2	1			1			1		18.8	5
367		1		2		1	1				18.7	5
368			1	3				1			18.7	5
369		2			2				1		18.7	5
370			2	1	1			1			18.7	5
371		1	1		1	1	1				18.7	5
372			3	1					1		18.7	5
373			1	1	1	2					18.6	5
374				3		2					18.6	5
375		1			3		1				18.6	5
376		1	2			1		1			18.6	5
377				1	3	1					18.5	5
378		1	1	2					1		18.5	5
379		1		2	1			1			18.5	5
380		1	2		1				1		18.5	5
381		1	1		2			1			18.5	5
382		1	1			3					18.5	5
383		3					1	1			18.5	5
384			3			1	1				18.5	5
385		2		1		1		1			18.4	5
386			1	2	1		1				18.4	5
387				4			1				18.4	5
388		1			2	2					18.4	5
389			2		2		1				18.4	5
390		3	1							1	18.4	5
391		2	1				2				18.4	5
392		2		1	1				1		18.3	5

393			2	2				1			18.3	5
394		1	1	1		1	1				18.3	5
395			4						1		18.3	5
396			3		1			1			18.3	5
397		1		1	2		1				18.2	5
398		3				1			1		18.2	5
399			1	2		2					18.2	5
400			2		1	2					18.2	5
401		1	2	1					1		18.1	5
402				2	2	1					18.1	5
403		1		3				1			18.1	5
404			1		3	1					18.1	5
405		2			1	1	1				18.1	5
406		1	1	1	1			1			18.1	5
407		1		1	1	2					18	5
408			2	1	1		1				18	5
409			1	3			1				18	5
410					5						18	5
411		2	1			1		1			18	5
412		2			2			1			17.9	5
413			3	1				1			17.9	5
414		2		2					1		17.9	5
415		2	1		1				1		17.9	5
416		2				3					17.9	5
417		1	2			1	1				17.9	5
418			2	1		2					17.8	5
419		1		2	1		1				17.8	5
420		4								1	17.8	5
421		3					2				17.8	5
422		1	1		2		1				17.8	5
423		2		1		1	1				17.7	5
424				3	1	1					17.7	5
425			1	1	2	1					17.7	5
426		1	1	2				1			17.7	5
427		1	2		1			1			17.7	5
428		1	3						1		17.7	5
429				1	4						17.6	5
430		1		2		2					17.6	5
431			2	2			1				17.6	5
432		1	1		1	2					17.6	5
433			3		1		1				17.6	5
434		2	1	1					1		17.5	5
435		2		1	1			1			17.5	5
436		1			3	1					17.5	5
437			4					1			17.5	5
438		3				1		1			17.4	5
439		1	1	1	1		1				17.4	5
440		1		3			1				17.4	5
441			3			2					17.4	5
442		1	2	1				1			17.3	5

443				4		1					17.3	5
444		3			1				1		17.3	5
445			2		2	1					17.3	5
446			1	2	1	1					17.3	5
447		2	1			1	1				17.3	5
448				2	3						17.2	5
449		2			2		1				17.2	5
450		1	1	1		2					17.2	5
451			1		4						17.2	5
452			3	1			1				17.2	5
453		1		1	2	1					17.1	5
454		2		2				1			17.1	5
455		2	2						1		17.1	5
456		2	1		1			1			17.1	5
457		1	1	2			1				17	5
458		2			1	2					17	5
459		1	2		1		1				17	5
460			1	3		1					16.9	5
461		3		1					1		16.9	5
462			2	1	1	1					16.9	5
463		1	3					1			16.9	5
464		2		1	1		1				16.8	5
465			1	1	3						16.8	5
466				3	2						16.8	5
467		1	2			2					16.8	5
468			4				1				16.8	5
469		1		2	1	1					16.7	5
470		3				1	1				16.7	5
471		2	1	1				1			16.7	5
472		1	1		2	1					16.7	5
473		2		1		2					16.6	5
474		1	2	1			1				16.6	5
475		1			4						16.6	5
476			2	2		1					16.5	5
477		3	1						1		16.5	5
478		3			1			1			16.5	5
479			3		1	1					16.5	5
480				4	1						16.4	5
481		2		2			1				16.4	5
482			1	2	2						16.4	5
483			2		3						16.4	5
484		2	1		1		1				16.4	5
485		1		3		1					16.3	5
486		2	2					1			16.3	5
487		1	1	1	1	1					16.3	5
488		1		1	3						16.2	5
489		2	1			2					16.2	5
490		1	3				1				16.2	5
491		3		1				1			16.1	5
492		2			2	1					16.1	5

493			3	1		1					16.1	5
494			1	3	1						16	5
495		2	1	1			1				16	5
496			2	1	2						16	5
497				5							16	5
498		1	1	2		1					15.9	5
499		4							1		15.9	5
500		1	2		1	1					15.9	5
501		1		2	2						15.8	5
502		1	1		3						15.8	5
503		3			1		1				15.8	5
504		2		1	1	1					15.7	5
505		3	1						1		15.7	5
506			4			1					15.7	5
507			1	4							15.6	5
508		3				2					15.6	5
509			2	2	1						15.6	5
510		2	2				1				15.6	5
511			3		2						15.6	5
512		1	2	1		1					15.5	5
513		3		1			1				15.4	5
514		1		3	1						15.4	5
515		1	1	1	2						15.4	5
516		2		2		1					15.3	5
517		2	1		1	1					15.3	5
518			2	3							15.2	5
519		2			3						15.2	5
520			3	1	1						15.2	5
521		4							1		15.1	5
522		1	3			1					15.1	5
523		1	1	2	1						15	5
524		1		4							15	5
525		1	2		2						15	5
526		3	1				1				15	5
527		2	1	1		1					14.9	5
528		2		1	2						14.8	5
529			3	2							14.8	5
530			4		1						14.8	5
531		3			1	1					14.7	5
532		1	1	3							14.6	5
533		1	2	1	1						14.6	5
534		2	2			1					14.5	5
535		2		2	1						14.4	5
536		2	1		2						14.4	5
537		4					1				14.4	5
538			4	1							14.4	5
539		3		1		1					14.3	5
540		1	2	2							14.2	5
541		1	3		1						14.2	5
542		2		3							14	5

543		2	1	1	1						14	5
544			5								14	5
545		3	1			1					13.9	5
546		3			2						13.8	5
547		1	3	1							13.8	5
548		2	1	2							13.6	5
549		2	2		1						13.6	5
550		3		1	1						13.4	5
551		1	4								13.4	5
552		4				1					13.3	5
553		2	2	1							13.2	5
554		3		2							13	5
555		3	1		1						13	5
556		2	3								12.8	5
557		3	1	1							12.6	5
558		4			1						12.4	5
559		3	2								12.2	5
560		4		1							12	5
561		4	1								11.6	5
562		5									11	5
563				1	1			1	1		20.2	4
564			1	1					2		20.2	4
565		1				2				1	20.2	4
566			2				1			1	20.2	4
567						2	2				20.2	4
568		1				1		1	1		20.1	4
569		1		1			1			1	20	4
570		1			1				2		20	4
571			1			1	1		1		20	4
572					1	1	1	1			20	4
573				1			3				20	4
574				2		1				1	19.9	4
575					2		1		1		19.9	4
576			1		1	1				1	19.9	4
577			1			1		2			19.9	4
578					3					1	19.8	4
579					2			2			19.8	4
580						3		1			19.8	4
581				2				1	1		19.8	4
582			2						2		19.8	4
583			1		1			1	1		19.8	4
584					1	2			1		19.7	4
585		2						1		1	19.7	4
586		1					2	1			19.7	4
587		1		1					2		19.6	4
588				1		1	1	1			19.6	4
589		1	1				1			1	19.6	4
590			1				3				19.6	4
591			1	1		1				1	19.5	4
592				1	1		1		1		19.5	4

593			1	1				1	1		19.4	4
594				1	2					1	19.4	4
595				1	1			2			19.4	4
596		1				1	1		1		19.4	4
597		1			1	1				1	19.3	4
598		1				1		2			19.3	4
599				1		2			1		19.3	4
600					1	1	2				19.3	4
601		1			1			1	1		19.2	4
602		1	1						2		19.2	4
603			1			1	1	1			19.2	4
604				2			1		1		19.1	4
605			1		1		1		1		19.1	4
606					2		1	1			19.1	4
607			2			1				1	19.1	4
608						3	1				19.1	4
609				2	1					1	19	4
610				2				2			19	4
611			2					1	1		19	4
612			1		2					1	19	4
613			1		1			2			19	4
614		2					1			1	19	4
615		1					3				19	4
616		1		1		1				1	18.9	4
617				1		1	2				18.9	4
618			1			2			1		18.9	4
619					1	2		1			18.9	4
620		1		1				1	1		18.8	4
621					2	1			1		18.8	4
622			1	1			1		1		18.7	4
623				1	1		1	1			18.7	4
624			1	1	1					1	18.6	4
625			1	1				2			18.6	4
626				3						1	18.6	4
627		2							2		18.6	4
628		1				1	1	1			18.6	4
629				1		2		1			18.5	4
630		1			1		1		1		18.5	4
631		1	1			1				1	18.5	4
632			1			1	2				18.5	4
633				1	1	1			1		18.4	4
634		1	1					1	1		18.4	4
635		1			2					1	18.4	4
636		1			1			2			18.4	4
637					2		2				18.4	4
638				2			1	1			18.3	4
639			1		1		1	1			18.3	4
640		1				2			1		18.3	4
641			2				1		1		18.3	4
642			1	2						1	18.2	4



643			2		1					1	18.2	4
644			2					2			18.2	4
645					1	2	1				18.2	4
646		1		1			1		1		18.1	4
647			1			2		1			18.1	4
648		1		1	1					1	18	4
649		1		1				2			18	4
650				1	1		2				18	4
651				2		1			1		18	4
652			1		1	1			1		18	4
653					2	1		1			18	4
654						4					18	4
655			1	1			1	1			17.9	4
656					3				1		17.9	4
657		2				1				1	17.9	4
658		1				1	2				17.9	4
659			2	1						1	17.8	4
660				1		2	1				17.8	4
661		2						1	1		17.8	4
662		1	1				1		1		17.7	4
663		1			1		1	1			17.7	4
664			1	1		1			1		17.6	4
665				1	1	1		1			17.6	4
666		1		2						1	17.6	4
667				2			2				17.6	4
668		1	1		1					1	17.6	4
669		1	1					2			17.6	4
670			1		1		2				17.6	4
671				1	2				1		17.5	4
672		1				2		1			17.5	4
673			2				1	1			17.5	4
674		1			1	1			1		17.4	4
675			3							1	17.4	4
676			1			2	1				17.4	4
677		1		1			1	1			17.3	4
678					2	1	1				17.3	4
679		1	1	1						1	17.2	4
680			1	1			2				17.2	4
681				2		1		1			17.2	4
682			2			1			1		17.2	4
683			1		1	1		1			17.2	4
684				2	1				1		17.1	4
685			1		2				1		17.1	4
686					3			1			17.1	4
687					1	3					17.1	4
688		2					1		1		17.1	4
689		1		1		1			1		17	4
690		2			1					1	17	4
691		2						2			17	4
692		1			1		2				17	4

693				1	1	1	1				16.9	4
694		1	1				1	1			16.9	4
695			1	1		1		1			16.8	4
696		1	2							1	16.8	4
697		1				2	1				16.8	4
698			2				2				16.8	4
699				3					1		16.7	4
700			1	1	1				1		16.7	4
701				1	2			1			16.7	4
702				1		3					16.7	4
703		2		1						1	16.6	4
704		1		1			2				16.6	4
705		1	1			1			1		16.6	4
706		1			1	1		1			16.6	4
707				2		1	1				16.5	4
708		1			2				1		16.5	4
709			1		1	1	1				16.5	4
710					3		1				16.4	4
711			2			1		1			16.4	4
712				2	1			1			16.3	4
713			1		2			1			16.3	4
714			1			3					16.3	4
715		2					1	1			16.3	4
716			1	2					1		16.3	4
717			2		1				1		16.3	4
718		1		1		1		1			16.2	4
719					2	2					16.2	4
720		2	1							1	16.2	4
721		1	1				2				16.2	4
722		1		1	1				1		16.1	4
723			1	1		1	1				16.1	4
724				1	2		1				16	4
725		2				1			1		16	4
726				3				1			15.9	4
727			2	1					1		15.9	4
728		1			1	1	1				15.9	4
729			1	1	1			1			15.9	4
730				1	1	2					15.8	4
731		1	1			1		1			15.8	4
732		1		2					1		15.7	4
733		1	1		1				1		15.7	4
734		1			2			1			15.7	4
735		1				3					15.7	4
736			2			1	1				15.7	4
737		3								1	15.6	4
738				2	1		1				15.6	4
739			1		2		1				15.6	4
740		2					2				15.6	4
741		1		1		1	1				15.5	4
742			1	2				1			15.5	4

743			2		1			1			15.5	4
744			3						1		15.5	4
745				2		2					15.4	4
746			1		1	2					15.4	4
747		1		1	1			1			15.3	4
748					3	1					15.3	4
749		1	1	1					1		15.3	4
750				3			1				15.2	4
751			1	1	1		1				15.2	4
752		2				1		1			15.2	4
753			2	1				1			15.1	4
754		2			1				1		15.1	4
755		1	1			1	1				15.1	4
756			1	1		2					15	4
757		1			2		1				15	4
758		1		2				1			14.9	4
759				1	2	1					14.9	4
760		1	2						1		14.9	4
761		1	1		1			1			14.9	4
762		1			1	2					14.8	4
763			1	2			1				14.8	4
764			2		1		1				14.8	4
765		2		1					1		14.7	4
766			3					1			14.7	4
767		1		1	1		1				14.6	4
768			2			2					14.6	4
769		1	1	1				1			14.5	4
770				2	1	1					14.5	4
771			1		2	1					14.5	4
772		2				1	1				14.5	4
773		1		1		2					14.4	4
774			2	1			1				14.4	4
775					4						14.4	4
776		2	1						1		14.3	4
777		2			1			1			14.3	4
778		1		2			1				14.2	4
779		1	1		1		1				14.2	4
780				3		1					14.1	4
781			1	1	1	1					14.1	4
782		1	2					1			14.1	4
783				1	3						14	4
784		1	1			2					14	4
785			3				1				14	4
786		2		1				1			13.9	4
787		1			2	1					13.9	4
788		1	1	1			1				13.8	4
789			1	2		1					13.7	4
790		3							1		13.7	4
791			2		1	1					13.7	4
792				2	2						13.6	4

793			1		3						13.6	4
794		2			1		1				13.6	4
795		1		1	1	1					13.5	4
796		2	1					1			13.5	4
797		2				2					13.4	4
798		1	2				1				13.4	4
799			2	1		1					13.3	4
800				3	1						13.2	4
801		2		1			1				13.2	4
802			1	1	2						13.2	4
803		1		2		1					13.1	4
804		1	1		1	1					13.1	4
805		1			3						13	4
806		3						1			12.9	4
807			3			1					12.9	4
808				4							12.8	4
809			2		2						12.8	4
810		2	1				1				12.8	4
811			1	2	1						12.8	4
812		1	1	1		1					12.7	4
813		1		1	2						12.6	4
814		2			1	1					12.5	4
815			1	3							12.4	4
816			2	1	1						12.4	4
817		1	2			1					12.3	4
818		1		2	1						12.2	4
819		1	1		2						12.2	4
820		3					1				12.2	4
821		2		1		1					12.1	4
822			2	2							12	4
823			3		1						12	4
824		1		3							11.8	4
825		1	1	1	1						11.8	4
826		2	1			1					11.7	4
827		2			2						11.6	4
828			3	1							11.6	4
829		1	1	2							11.4	4
830		1	2		1						11.4	4
831		2		1	1						11.2	4
832			4								11.2	4
833		3				1					11.1	4
834		1	2	1							11	4
835		2		2							10.8	4
836		2	1		1						10.8	4
837		1	3								10.6	4
838		2	1	1							10.4	4
839		3			1						10.2	4
840		2	2								10	4
841		3		1							9.8	4
842		3	1								9.4	4

843		4								8.8	4
844		1							2	20.2	3
845						2			1	20.2	3
846					1		1		1	19.8	3
847						1		2		19.8	3
848				1				1	1	19.7	3
849							2	1		19.7	3
850			1					1	1	19.3	3
851					1	1			1	19.1	3
852						1	1	1		19	3
853			1					1	1	18.9	3
854				1			1		1	18.9	3
855							3			18.9	3
856					1			2		18.7	3
857			1				1		1	18.5	3
858		1						1	1	18.3	3
859						2		1		18.3	3
860				1		1			1	18.2	3
861						1	2			18.2	3
862			1					1	1	18.1	3
863					2				1	18	3
864					1		1	1		17.9	3
865				1				2		17.8	3
866			1			1			1	17.8	3
867		1					1		1	17.5	3
868						2	1			17.5	3
869			1			1			1	17.4	3
870			1					2		17.4	3
871					1	1		1		17.2	3
872				1	1				1	17.1	3
873					1		2			17.1	3
874			1					2		17	3
875				1			1	1		17	3
876		1					1		1	16.8	3
877						3				16.8	3
878			1		1				1	16.7	3
879			1				1	1		16.6	3
880		1						2		16.4	3
881					1	1	1			16.4	3
882			1		1				1	16.3	3
883				1		1		1		16.3	3
884			1				1	1		16.2	3
885				2					1	16.2	3
886				1			2			16.2	3
887					2			1		16.1	3
888			1			1		1		15.9	3
889			1	1					1	15.8	3
890			1				2			15.8	3
891		1			1				1	15.7	3
892					1	2				15.7	3

893		1					1	1		15.6	3
894				1		1	1			15.5	3
895		1				1		1		15.5	3
896		1		1					1	15.4	3
897			2						1	15.4	3
898		1					2			15.4	3
899					2		1			15.3	3
900				1	1			1		15.2	3
901			1			1	1			15.1	3
902		1	1						1	15	3
903		1					1		1	14.9	3
904		1		1					1	14.8	3
905		1					2			14.8	3
906			1		1			1		14.8	3
907				1		2				14.8	3
908		1				1	1			14.7	3
909		2							1	14.6	3
910					2	1				14.6	3
911		1	1						1	14.4	3
912		1			1			1		14.4	3
913				1	1		1			14.4	3
914			1			2				14.4	3
915				2				1		14.3	3
916		1				1	1			14.1	3
917		1	1						1	14	3
918		1				2				14	3
919			1		1		1			14	3
920			1	1				1		13.9	3
921		1			1			1		13.8	3
922				1	1	1				13.7	3
923		1			1		1			13.6	3
924		1		1				1		13.5	3
925				2			1			13.5	3
926					3					13.5	3
927			2					1		13.5	3
928		2							1	13.4	3
929		1				2				13.4	3
930			1		1	1				13.3	3
931			1	1			1			13.1	3
932		1	1					1		13.1	3
933		1			1		1			13	3
934		1		1				1		12.9	3
935		1			1	1				12.9	3
936				2		1				12.8	3
937		2						1		12.7	3
938		1		1			1			12.7	3
939			2				1			12.7	3
940				1	2					12.6	3
941		1	1					1		12.5	3
942			1	1		1				12.4	3

943		1				1	1				12.3	3
944			1	1				1			12.3	3
945				1		2					12.2	3
946		1			1			1			12.1	3
947		1	1						1		12.1	3
948			1		1		1				12	3
949				2			1				12	3
950			2					1			11.9	3
951			1			2					11.8	3
952					2	1					11.7	3
953		1		1				1			11.7	3
954			1	1			1				11.6	3
955		2							1		11.5	3
956		1			1		1				11.4	3
957		1	1					1			11.3	3
958				1	1	1					11.3	3
959		1				2					11.2	3
960			2				1				11.2	3
961		1		1			1				11	3
962			1		1	1					10.9	3
963				2		1					10.9	3
964					3						10.8	3
965		2						1			10.7	3
966		1	1				1				10.6	3
967			1	1		1					10.5	3
968				1	2						10.4	3
969		1			1	1					10.3	3
970			2			1					10.1	3
971			1		2						10	3
972		2					1				10	3
973				2	1						10	3
974		1		1		1					9.9	3
975				3							9.6	3
976			1	1	1						9.6	3
977		1	1			1					9.5	3
978		1			2						9.4	3
979			2		1						9.2	3
980			1	2							9.2	3
981		1		1	1						9	3
982		2				1					8.9	3
983			2	1							8.8	3
984		1		2							8.6	3
985		1	1		1						8.6	3
986			3								8.4	3
987		1	1	1							8.2	3
988		2			1						8	3
989		1	2								7.8	3
990									2		18	2
991								1	1		16.1	2
992								1		1	15.3	2

993							1			1	14.6	2
994									2		14.2	2
995						1				1	13.5	2
996								1	1		13.4	2
997							1		1		12.7	2
998					1					1	12.6	2
999								2			12.6	2
1000				1						1	12.2	2
1001							1	1			11.9	2
1002			1							1	11.8	2
1003							1			1	11.6	2
1004		1								1	11.2	2
1005							2				11.2	2
1006						1		1			10.8	2
1007					1					1	10.7	2
1008				1						1	10.3	2
1009						1	1				10.1	2
1010					1			1			9.9	2
1011			1							1	9.9	2
1012				1				1			9.5	2
1013		1								1	9.3	2
1014					1		1				9.2	2
1015			1					1			9.1	2
1016							2				9	2
1017				1			1				8.8	2
1018		1						1			8.5	2
1019			1				1				8.4	2
1020					1	1					8.1	2
1021		1					1				7.8	2



## 22.6 Heating

### 22.6.1 6HP(U-6LA1E5)

NO.	Indoor unit	0.8 HP	1.0 HP	1.25 HP	1.5 HP	1.75 HP	2.0 HP	2.5 HP	3.0 HP	3.5 HP	Total indoor capacity	Total indoor unit number
	Wall mounted	○	○		○	○	○	○	○			
	Mini cassette	○	○		○	○	○					
	Big cassette							○	○	○		
	Duct D4	○	○	○	○	○	○					
	Duct D3					○	○	○	○	○		
	Heating capacity	2.5 kW	3.2 kW	3.6 kW	4.2 kW	5.1 kW	6.4 kW	7.1 kW	8.0 kW	10.0 kW		
1		5	2		1						23.1	8
2		6		1	1						22.8	8
3		4	4								22.8	8
4		7				1					22.6	8
5		5	2	1							22.5	8
6		6		2							22.2	8
7		6	1		1						22.4	8
8		6	1	1							21.8	8
9		7			1						21.7	8
10		6	2								21.4	8
11		7		1							21.1	8
12		7	1								20.7	8
13		8									20	8
14		3	1		3						23.3	7
15		1	4	1	1						23.1	7
16		1	3	3							22.9	7
17		5			1		1				23.1	7
18		5	1					1			22.8	7
19		2	4			1					22.9	7
20		2	2	2	1						22.8	7
21		2	1	4							22.6	7
22		2	3		2						23	7
23		5				2					22.7	7
24		4	2				1				22.8	7
25		3	2	1		1					22.6	7
26		3		3	1						22.5	7
27		3	1	1	2						22.7	7
28		1	5		1						22.7	7
29		5		1			1				22.5	7
30		1	4	2							22.5	7
31		4		2		1					22.3	7
32		4	1		1	1					22.5	7
33		2	3	1	1						22.4	7
34		2	2	3							22.2	7
35		4			3						22.6	7
36			7								22.4	7
37		6						1			22.1	7
38		3	3			1					22.2	7
39		3	1	2	1						22.1	7

40		3		4							21.9	7
41		1	5	1							22.1	7
42		3	2		2						22.3	7
43		5	1				1				22.1	7
44		4	1	1		1					21.9	7
45		2	3	2							21.8	7
46		2	4		1						22	7
47		5			1	1					21.8	7
48		3	2	1	1						21.7	7
49		3	1	3							21.5	7
50		1	6								21.7	7
51		4	2			1					21.5	7
52		2	4	1							21.4	7
53		4		2	1						21.4	7
54		4	1		2						21.6	7
55		6					1				21.4	7
56		5		1		1					21.2	7
57		3	2	2							21.1	7
58		3	3		1						21.3	7
59		4	1	1	1						21	7
60		4		3							20.8	7
61		2	5								21	7
62		5	1			1					20.8	7
63		3	3	1							20.7	7
64		5			2						20.9	7
65		4	1	2							20.4	7
66		4	2		1						20.6	7
67		5		1	1						20.3	7
68		3	4								20.3	7
69		6				1					20.1	7
70		4	2	1							20	7
71		5	1		1						19.9	7
72		5		2							19.7	7
73		4	3								19.6	7
74		5	1	1							19.3	7
75		6			1						19.2	7
76		5	2								18.9	7
77		6		1							18.6	7
78		6	1								18.2	7
79		7									17.5	7
80		2		1	1	2					23	6
81		1	2	1	1		1				23.1	6
82		1			5						23.5	6
83			4			2					23	6
84		3		2					1		22.7	6
85			2	2	1	1					22.9	6
86			1	4		1					22.7	6
87		3	1		1				1		22.9	6
88		3			2			1			23	6
89		3				3					22.8	6
90		2	2			1	1				22.9	6
91		1	3	1				1			22.8	6
92			3		2	1					23.1	6

93		1	2	1		2					22.7	6
94			4	1			1				22.8	6
95		2		2	1		1				22.8	6
96			1	2	3						23	6
97				4	2						22.8	6
98			2		4						23.2	6
99		2	1		2		1				23	6
100		5							1		22.5	6
101		4					2				22.8	6
102		2	1	2				1			22.5	6
103		3		1		1	1				22.6	6
104		1	1	1	2	1					22.8	6
105		1		3	1	1					22.6	6
106		2	3						1		22.6	6
107		2	2		1			1			22.7	6
108		1		1	4						22.9	6
109		2		2		2					22.4	6
110		2	1		1	2					22.6	6
111		1	2	2			1				22.5	6
112		1	3		1		1				22.7	6
113		3	1	1					1		22.3	6
114			2	3		1					22.3	6
115		2			3	1					22.7	6
116		3		1	1			1			22.4	6
117		1	4					1			22.4	6
118		2	1	1	1		1				22.4	6
119		2		3			1				22.2	6
120			1	3	2						22.4	6
121				5	1						22.2	6
122		4				1		1			22.2	6
123			5				1				22.4	6
124		1	3			2					22.3	6
125		2	2	1				1			22.1	6
126		1	1	2	1	1					22.2	6
127		1		4		1					22	6
128		4			1				1		22.2	6
129		1	2		2	1					22.4	6
130		1		2	3						22.3	6
131		2	1	1		2					22	6
132		1	3	1			1				22.1	6
133		1	1		4						22.5	6
134		3			2		1				22.3	6
135		2		1	2	1					22.1	6
136		3		2				1			21.8	6
137		3	1		1			1			22	6
138			3	2		1					21.9	6
139		3	2						1		21.9	6
140			4		1	1					22.1	6
141		2	1	2			1				21.8	6
142			1	4	1						21.8	6
143				6							21.6	6
144		3			1	2					21.9	6
145			2	2	2						22	6

146			3		3						22.2	6
147		2	2		1		1				22	6
148		4		1					1		21.6	6
149		1	2	1	1	1					21.8	6
150		2	3					1			21.7	6
151		3		1	1		1				21.7	6
152		1	1	1	3						21.9	6
153		1		3	2						21.7	6
154		2	2			2					21.6	6
155		1	4				1				21.7	6
156		3	1	1				1			21.4	6
157			4	1		1					21.5	6
158		2		2	1	1					21.5	6
159		2	1		2	1					21.7	6
160		4				1	1				21.5	6
161		3		1		2					21.3	6
162			2	3	1						21.4	6
163			1	5							21.2	6
164		2			4						21.8	6
165		2	2	1			1				21.4	6
166			3	1	2						21.6	6
167		4	1						1		21.2	6
168		1	2	2		1					21.2	6
169		4			1			1			21.3	6
170		1	3		1	1					21.4	6
171		3		2			1				21.1	6
172		1	1	2	2						21.3	6
173		1		4	1						21.1	6
174		1	2		3						21.5	6
175		3	1		1		1				21.3	6
176		2	1	1	1	1					21.1	6
177		2		3		1					20.9	6
178		3	2					1			21	6
179			5			1					21.1	6
180		2		1	3						21.2	6
181			3	2	1						21	6
182			2	4							20.8	6
183			4		2						21.2	6
184		2	3				1				21	6
185		4		1				1			20.7	6
186		3			2	1					21	6
187		1	3	1		1					20.8	6
188		3	1	1			1				20.7	6
189		1	1	3	1						20.7	6
190		1	2	1	2						20.9	6
191		1		5							20.5	6
192		2	1	2		1					20.5	6
193		5							1		20.5	6
194		2	2		1	1					20.7	6
195			4	1	1						20.6	6
196		2		2	2						20.6	6
197			3	3							20.4	6
198		2	1		3						20.8	6

199		4			1		1				20.6	6
200		4	1					1			20.3	6
201		3		1	1	1					20.4	6
202		1	4			1					20.4	6
203		1	2	2	1						20.3	6
204		1	1	4							20.1	6
205		4				2					20.2	6
206		1	3		2						20.5	6
207		3	2				1				20.3	6
208		2	2	1		1					20.1	6
209		4		1			1				20	6
210		2	1	1	2						20.2	6
211			4	2							20	6
212		2		3	1						20	6
213			5		1						20.2	6
214		3		2		1					19.8	6
215		3	1		1	1					20	6
216		1	2	3							19.7	6
217		3			3						20.1	6
218		1	3	1	1						19.9	6
219		5						1			19.6	6
220		2	3			1					19.7	6
221		2	1	2	1						19.6	6
222		2		4							19.4	6
223		4	1				1				19.6	6
224			5	1							19.6	6
225		2	2		2						19.8	6
226		3	1	1		1					19.4	6
227		3		1	2						19.5	6
228		1	3	2							19.3	6
229		1	4		1						19.5	6
230		4			1	1					19.3	6
231		2	2	1	1						19.2	6
232		2	1	3							19	6
233			6								19.2	6
234		3	2			1					19	6
235		3		2	1						18.9	6
236		3	1		2						19.1	6
237		5					1				18.9	6
238		1	4	1							18.9	6
239		4		1		1					18.7	6
240		2	2	2							18.6	6
241		2	3		1						18.8	6
242		3	1	1	1						18.5	6
243		3		3							18.3	6
244		1	5								18.5	6
245		4	1			1					18.3	6
246		2	3	1							18.2	6
247		4			2						18.4	6
248		3	1	2							17.9	6
249		3	2		1						18.1	6
250		4		1	1						17.8	6

251		2	4							17.8	6
252		5				1				17.6	6
253		3	2	1						17.5	6
254		4		2						17.2	6
255		4	1		1					17.4	6
256		3	3							17.1	6
257		4	1	1						16.8	6
258		5			1					16.7	6
259		4	2							16.4	6
260		5		1						16.1	6
261		5	1							15.7	6
262		6								15	6
263		2		1	1				1	22.8	5
264		1		2		1			1	22.8	5
265		2		1				2		22.8	5
266		1		1	1		2			23.1	5
267		1	1		1	1			1	23	5
268		1			2	1		1		23.1	5
269		1				4				22.9	5
270			4						1	22.8	5
271			2			2	1			23	5
272				2	1	1	1			22.9	5
273		1			3				1	23.1	5
274			1		2	1	1			23.1	5
275		3				1			1	22.6	5
276		2				1	2			22.9	5
277		1	1	1			1	1		22.8	5
278		1	2	1					1	22.5	5
279		1		1		2	1			22.7	5
280			2	1			2			22.8	5
281			1	2		1		1		22.6	5
282					4		1			23.2	5
283		3						1	1	22.6	5
284			3			1			1	22.7	5
285			2		1	1		1		22.8	5
286				2	2			1		22.7	5
287			1		3			1		22.9	5
288			1	2	1				1	22.6	5
289				2		3				22.5	5
290				4					1	22.4	5
291			2		2				1	22.8	5
292			1		1	3				22.7	5
293		2	1				1		1	22.6	5
294		2			1		1	1		22.7	5
295		1		1	1	1		1		22.5	5
296		2		2					1	22.2	5
297		1		2			2			22.5	5
298					3	2				22.8	5
299		2	1		1				1	22.4	5
300		2	1					2		22.4	5

301		1	1	1		1			1		22.4	5
302		1	1		1		2				22.7	5
303		1		1	2				1		22.5	5
304				3		1	1				22.3	5
305			1	1	1	1	1				22.5	5
306		2				2		1			22.3	5
307		1	2				1	1			22.4	5
308			2	1		1		1			22.2	5
309				1	3		1				22.6	5
310		2			1	1			1		22.3	5
311		1	1			2	1				22.3	5
312		1	3							1	22.1	5
313			3				2				22.4	5
314		2		1			1	1			22.1	5
315			2	1	1				1		22.2	5
316			1	1	2			1			22.3	5
317			1	1		3					22.1	5
318			1	3					1		22	5
319				3	1			1			22.1	5
320		1			2	1	1				22.4	5
321		1		2		1		1			21.9	5
322		2	1	1						1	21.8	5
323		1	1	1			2				22.1	5
324				1	2	2					22.2	5
325		1	2			1			1		22	5
326		1	1		1	1		1			22.1	5
327		1		2	1				1		21.9	5
328		1			3			1			22.2	5
329		1			1	3					22	5
330			1	2		1	1				21.9	5
331		1	1		2				1		22.1	5
332		3					1		1		21.9	5
333			2		1	1	1				22.1	5
334		2		1		1			1		21.7	5
335				2	2		1				22	5
336			1		3		1				22.2	5
337		3			1					1	21.7	5
338		3						2			21.7	5
339			3			1		1			21.8	5
340		2			1		2				22	5
341		1		1	1	1	1				21.8	5
342			2	2					1		21.6	5
343				4				1			21.5	5
344			2		2			1			21.9	5
345			2			3					21.7	5
346		2	1				1	1			21.7	5
347			1	2	1			1			21.7	5
348			3		1				1		21.8	5
349		1	1	1		1		1			21.5	5
350				2	1	2					21.6	5

351			1		2	2					21.8	5
352		2	2							1	21.4	5
353		2				2	1				21.6	5
354		1	2				2				21.7	5
355		1		1	2			1			21.6	5
356		1	1	1	1				1		21.5	5
357		1		1		3					21.4	5
358			2	1		1	1				21.5	5
359		1		3					1		21.3	5
360					4	1					21.9	5
361		3		1						1	21.1	5
362		2		1			2				21.4	5
363				3	1		1				21.4	5
364		2			1	1		1			21.4	5
365			1	1	2		1				21.6	5
366		2	1			1			1		21.3	5
367		1		2		1	1				21.2	5
368			1	3				1			21.1	5
369		2			2				1		21.4	5
370			2	1	1			1			21.3	5
371		1	1		1	1	1				21.4	5
372			3	1					1		21.2	5
373			1	1	1	2					21.2	5
374				3		2					21	5
375		1			3		1				21.5	5
376		1	2			1		1			21.1	5
377				1	3	1					21.3	5
378		1	1	2					1		20.9	5
379		1		2	1			1			21	5
380		1	2		1				1		21.1	5
381		1	1		2			1			21.2	5
382		1	1			3					21	5
383		3					1	1			21	5
384			3			1	1				21.1	5
385		2		1		1		1			20.8	5
386			1	2	1		1				21	5
387				4			1				20.8	5
388		1			2	2					21.1	5
389			2		2		1				21.2	5
390		3	1							1	20.7	5
391		2	1				2				21	5
392		2		1	1				1		20.8	5
393			2	2				1			20.7	5
394		1	1	1		1	1				20.8	5
395			4						1		20.8	5
396			3		1			1			20.9	5
397		1		1	2		1				20.9	5
398		3				1			1		20.6	5
399			1	2		2					20.6	5
400			2		1	2					20.8	5



401		1	2	1					1		20.5	5
402				2	2	1					20.7	5
403		1		3				1			20.4	5
404			1		3	1					20.9	5
405		2			1	1	1				20.7	5
406		1	1	1	1			1			20.6	5
407		1		1	1	2					20.5	5
408			2	1	1			1			20.6	5
409			1	3				1			20.4	5
410					5						21	5
411		2	1			1		1			20.4	5
412		2			2			1			20.5	5
413			3	1				1			20.3	5
414		2		2					1		20.2	5
415		2	1		1				1		20.4	5
416		2				3					20.3	5
417		1	2			1	1				20.4	5
418			2	1		2					20.2	5
419		1		2	1			1			20.3	5
420		4								1	20	5
421		3						2			20.3	5
422		1	1		2			1			20.5	5
423		2		1		1	1				20.1	5
424				3	1	1					20.1	5
425			1	1	2	1					20.3	5
426		1	1	2					1		20	5
427		1	2		1				1		20.2	5
428		1	3							1	20.1	5
429				1	4						20.4	5
430		1		2		2					19.9	5
431			2	2				1			20	5
432		1	1		1	2					20.1	5
433			3		1			1			20.2	5
434		2	1	1						1	19.8	5
435		2		1	1				1		19.9	5
436		1			3	1					20.2	5
437			4						1		19.9	5
438		3				1			1		19.7	5
439		1	1	1	1			1			19.9	5
440		1		3				1			19.7	5
441			3			2					19.8	5
442		1	2	1					1		19.6	5
443				4		1					19.5	5
444		3			1					1	19.7	5
445			2		2	1					19.9	5
446			1	2	1	1					19.7	5
447		2	1			1	1				19.7	5
448				2	3						19.8	5
449		2			2			1			19.8	5
450		1	1	1		2					19.5	5

451			1		4						20	5
452			3	1			1				19.6	5
453		1		1	2	1					19.6	5
454		2		2				1			19.3	5
455		2	2						1		19.4	5
456		2	1		1			1			19.5	5
457		1	1	2			1				19.3	5
458		2			1	2					19.4	5
459		1	2		1		1				19.5	5
460			1	3		1					19.1	5
461		3		1					1		19.1	5
462			2	1	1	1					19.3	5
463		1	3					1			19.2	5
464		2		1	1		1				19.2	5
465			1	1	3						19.4	5
466				3	2						19.2	5
467		1	2			2					19.1	5
468			4				1				19.2	5
469		1		2	1	1					19	5
470		3				1	1				19	5
471		2	1	1				1			18.9	5
472		1	1		2	1					19.2	5
473		2		1		2					18.8	5
474		1	2	1			1				18.9	5
475		1			4						19.3	5
476			2	2		1					18.7	5
477		3	1						1		18.7	5
478		3			1			1			18.8	5
479			3		1	1					18.9	5
480				4	1						18.6	5
481		2		2			1				18.6	5
482			1	2	2						18.8	5
483			2		3						19	5
484		2	1		1		1				18.8	5
485		1		3		1					18.4	5
486		2	2					1			18.5	5
487		1	1	1	1	1					18.6	5
488		1		1	3						18.7	5
489		2	1			2					18.4	5
490		1	3				1				18.5	5
491		3		1				1			18.2	5
492		2			2	1					18.5	5
493			3	1		1					18.3	5
494			1	3	1						18.2	5
495		2	1	1			1				18.2	5
496			2	1	2						18.4	5
497				5							18	5
498		1	1	2		1					18	5
499		4							1		18	5
500		1	2		1	1					18.2	5

501		1		2	2						18.1	5
502		1	1		3						18.3	5
503		3			1		1				18.1	5
504		2		1	1	1					17.9	5
505		3	1					1			17.8	5
506			4			1					17.9	5
507			1	4							17.6	5
508		3				2					17.7	5
509			2	2	1						17.8	5
510		2	2				1				17.8	5
511			3		2						18	5
512		1	2	1		1					17.6	5
513		3		1			1				17.5	5
514		1		3	1						17.5	5
515		1	1	1	2						17.7	5
516		2		2		1					17.3	5
517		2	1		1	1					17.5	5
518			2	3							17.2	5
519		2			3						17.6	5
520			3	1	1						17.4	5
521		4						1			17.1	5
522		1	3			1					17.2	5
523		1	1	2	1						17.1	5
524		1		4							16.9	5
525		1	2		2						17.3	5
526		3	1				1				17.1	5
527		2	1	1		1					16.9	5
528		2		1	2						17	5
529			3	2							16.8	5
530			4		1						17	5
531		3			1	1					16.8	5
532		1	1	3							16.5	5
533		1	2	1	1						16.7	5
534		2	2			1					16.5	5
535		2		2	1						16.4	5
536		2	1		2						16.6	5
537		4					1				16.4	5
538			4	1							16.4	5
539		3		1		1					16.2	5
540		1	2	2							16.1	5
541		1	3		1						16.3	5
542		2		3							15.8	5
543		2	1	1	1						16	5
544			5								16	5
545		3	1			1					15.8	5
546		3			2						15.9	5
547		1	3	1							15.7	5
548		2	1	2							15.4	5
549		2	2		1						15.6	5
550		3		1	1						15.3	5

551		1	4							15.3	5	
552		4				1				15.1	5	
553		2	2	1						15	5	
554		3		2						14.7	5	
555		3	1		1					14.9	5	
556		2	3							14.6	5	
557		3	1	1						14.3	5	
558		4			1					14.2	5	
559		3	2							13.9	5	
560		4		1						13.6	5	
561		4	1							13.2	5	
562		5								12.5	5	
563				1	1			1	1	22.9	4	
564			1	1					2	22.8	4	
565		1				2				1	22.7	4
566			2				1			1	22.8	4
567						2	2				23	4
568		1				1		1	1		22.7	4
569		1		1			1			1	22.5	4
570		1			1				2		22.7	4
571			1			1	1		1		22.7	4
572					1	1	1	1			22.8	4
573				1			3				22.8	4
574				2		1				1	22.3	4
575					2		1		1		22.8	4
576			1		1	1				1	22.5	4
577			1			1		2			22.5	4
578					3					1	22.6	4
579					2			2			22.6	4
580						3		1			22.4	4
581				2				1	1		22.3	4
582			2						2		22.4	4
583			1		1			1	1		22.5	4
584					1	2			1		22.4	4
585		2						1		1	22.1	4
586		1					2	1			22.4	4
587		1		1					2		22.1	4
588				1		1	1	1			22.2	4
589		1	1				1			1	22.1	4
590			1				3				22.4	4
591			1	1		1				1	21.9	4
592				1	1		1		1		22.2	4
593			1	1				1	1		21.9	4
594				1	2					1	22	4
595				1	1			2			22	4
596		1				1	1		1		22	4
597		1			1	1				1	21.8	4
598		1				1		2			21.8	4
599				1		2			1		21.8	4
600					1	1	2				22.1	4

601		1			1			1	1		21.8	4
602		1	1						2		21.7	4
603			1			1	1	1			21.8	4
604				2			1		1		21.6	4
605			1		1		1		1		21.8	4
606					2		1	1			21.9	4
607			2			1				1	21.5	4
608						3	1				21.7	4
609				2	1					1	21.4	4
610				2				2			21.4	4
611			2					1	1		21.5	4
612			1		2					1	21.6	4
613			1		1			2			21.6	4
614		2					1			1	21.4	4
615		1					3				21.7	4
616		1		1		1				1	21.2	4
617				1		1	2				21.5	4
618			1			2			1		21.4	4
619					1	2		1			21.5	4
620		1		1				1	1		21.2	4
621					2	1			1		21.5	4
622			1	1			1		1		21.2	4
623				1	1		1	1			21.3	4
624			1	1	1					1	21	4
625			1	1				2			21	4
626				3						1	20.8	4
627		2							2		21	4
628		1				1	1	1			21.1	4
629				1		2		1			20.9	4
630		1			1		1		1		21.1	4
631		1	1			1				1	20.8	4
632			1			1	2				21.1	4
633				1	1	1			1		20.9	4
634		1	1					1	1		20.8	4
635		1			2					1	20.9	4
636		1			1			2			20.9	4
637					2		2				21.2	4
638				2			1	1			20.7	4
639			1		1		1	1			20.9	4
640		1				2			1		20.7	4
641			2				1		1		20.8	4
642			1	2						1	20.4	4
643			2		1					1	20.6	4
644			2					2			20.6	4
645					1	2	1				20.8	4
646		1		1			1		1		20.5	4
647			1			2		1			20.5	4
648		1		1	1					1	20.3	4
649		1		1				2			20.3	4
650				1	1		2				20.6	4

651				2		1			1		20.3	4
652			1		1	1			1		20.5	4
653					2	1		1			20.6	4
654						4					20.4	4
655			1	1			1	1			20.3	4
656					3				1		20.6	4
657		2				1				1	20.1	4
658		1				1	2				20.4	4
659			2	1						1	20	4
660				1		2	1				20.2	4
661		2						1	1		20.1	4
662		1	1				1		1		20.1	4
663		1			1		1	1			20.2	4
664			1	1		1			1		19.9	4
665				1	1	1		1			20	4
666		1		2						1	19.7	4
667				2			2				20	4
668		1	1		1					1	19.9	4
669		1	1					2			19.9	4
670			1		1		2				20.2	4
671				1	2				1		20	4
672		1				2		1			19.8	4
673			2				1	1			19.9	4
674		1			1	1			1		19.8	4
675			3							1	19.6	4
676			1			2	1				19.8	4
677		1		1			1	1			19.6	4
678					2	1	1				19.9	4
679		1	1	1						1	19.3	4
680			1	1			2				19.6	4
681				2		1		1			19.4	4
682			2			1			1		19.5	4
683			1		1	1		1			19.6	4
684				2	1				1		19.4	4
685			1		2				1		19.6	4
686					3			1			19.7	4
687					1	3					19.5	4
688		2					1		1		19.4	4
689		1		1		1			1		19.2	4
690		2			1					1	19.2	4
691		2						2			19.2	4
692		1			1		2				19.5	4
693				1	1	1	1				19.3	4
694		1	1				1	1			19.2	4
695			1	1		1		1			19	4
696		1	2							1	18.9	4
697		1				2	1				19.1	4
698			2				2				19.2	4
699				3					1		18.8	4
700			1	1	1				1		19	4

701				1	2			1			19.1	4
702				1		3					18.9	4
703		2		1						1	18.6	4
704		1		1			2				18.9	4
705		1	1			1			1		18.8	4
706		1			1	1		1			18.9	4
707				2		1	1				18.7	4
708		1			2				1		18.9	4
709			1		1	1	1				18.9	4
710					3		1				19	4
711			2			1		1			18.6	4
712				2	1			1			18.5	4
713			1		2			1			18.7	4
714			1			3					18.5	4
715		2					1	1			18.5	4
716			1	2					1		18.4	4
717			2		1				1		18.6	4
718		1		1		1		1			18.3	4
719					2	2					18.6	4
720		2	1							1	18.2	4
721		1	1				2				18.5	4
722		1		1	1				1		18.3	4
723			1	1		1	1				18.3	4
724				1	2		1				18.4	4
725		2				1			1		18.1	4
726				3				1			17.9	4
727			2	1					1		18	4
728		1			1	1	1				18.2	4
729			1	1	1			1			18.1	4
730				1	1	2					18	4
731		1	1			1		1			17.9	4
732		1		2					1		17.7	4
733		1	1		1				1		17.9	4
734		1			2			1			18	4
735		1				3					17.8	4
736			2			1	1				17.9	4
737		3								1	17.5	4
738				2	1		1				17.8	4
739			1		2		1				18	4
740		2					2				17.8	4
741		1		1		1	1				17.6	4
742			1	2				1			17.5	4
743			2		1			1			17.7	4
744			3						1		17.6	4
745				2		2					17.4	4
746			1		1	2					17.6	4
747		1		1	1			1			17.4	4
748					3	1					17.7	4
749		1	1	1					1		17.3	4
750				3			1				17.2	4

751			1	1	1		1				17.4	4
752		2				1		1			17.2	4
753			2	1				1			17.1	4
754		2			1				1		17.2	4
755		1	1			1	1				17.2	4
756			1	1		2					17	4
757		1			2		1				17.3	4
758		1		2				1			16.8	4
759				1	2	1					17.1	4
760		1	2						1		16.9	4
761		1	1		1			1			17	4
762		1			1	2					16.9	4
763			1	2			1				16.8	4
764			2		1		1				17	4
765		2		1					1		16.6	4
766			3					1			16.7	4
767		1		1	1		1				16.7	4
768			2			2					16.6	4
769		1	1	1				1			16.4	4
770				2	1	1					16.5	4
771			1		2	1					16.7	4
772		2				1	1				16.5	4
773		1		1		2					16.3	4
774			2	1			1				16.4	4
775					4						16.8	4
776		2	1						1		16.2	4
777		2			1			1			16.3	4
778		1		2			1				16.1	4
779		1	1		1		1				16.3	4
780				3		1					15.9	4
781			1	1	1	1					16.1	4
782		1	2					1			16	4
783				1	3						16.2	4
784		1	1			2					15.9	4
785			3				1				16	4
786		2		1				1			15.7	4
787		1			2	1					16	4
788		1	1	1			1				15.7	4
789			1	2		1					15.5	4
790		3							1		15.5	4
791			2		1	1					15.7	4
792				2	2						15.6	4
793			1		3						15.8	4
794		2			1		1				15.6	4
795		1		1	1	1					15.4	4
796		2	1					1			15.3	4
797		2				2					15.2	4
798		1	2				1				15.3	4
799			2	1		1					15.1	4
800				3	1						15	4



801		2		1			1				15	4
802			1	1	2						15.2	4
803		1		2		1					14.8	4
804		1	1		1	1					15	4
805		1			3						15.1	4
806		3						1			14.6	4
807			3			1					14.7	4
808				4							14.4	4
809			2		2						14.8	4
810		2	1				1				14.6	4
811			1	2	1						14.6	4
812		1	1	1		1					14.4	4
813		1		1	2						14.5	4
814		2			1	1					14.3	4
815			1	3							14	4
816			2	1	1						14.2	4
817		1	2			1					14	4
818		1		2	1						13.9	4
819		1	1		2						14.1	4
820		3					1				13.9	4
821		2		1		1					13.7	4
822			2	2							13.6	4
823			3		1						13.8	4
824		1		3							13.3	4
825		1	1	1	1						13.5	4
826		2	1			1					13.3	4
827		2			2						13.4	4
828			3	1							13.2	4
829		1	1	2							12.9	4
830		1	2		1						13.1	4
831		2		1	1						12.8	4
832			4								12.8	4
833		3				1					12.6	4
834		1	2	1							12.5	4
835		2		2							12.2	4
836		2	1		1						12.4	4
837		1	3								12.1	4
838		2	1	1							11.8	4
839		3			1						11.7	4
840		2	2								11.4	4
841		3		1							11.1	4
842		3	1								10.7	4
843		4									10	4
844		1							2		22.5	3
845							2		1		22.8	3
846						1		1	1		22.2	3
847							1		2		22.4	3
848					1				1	1	22.2	3
849								2	1		22.2	3
850				1					1	1	21.6	3

851						1	1			1	21.5	3
852							1	1	1		21.5	3
853			1						1	1	21.2	3
854					1			1		1	21.3	3
855								3			21.3	3
856						1			2		21.1	3
857				1				1		1	20.7	3
858		1							1	1	20.5	3
859							2		1		20.8	3
860					1		1			1	20.6	3
861							1	2			20.6	3
862			1					1		1	20.3	3
863						2				1	20.2	3
864						1		1	1		20.2	3
865					1				2		20.2	3
866				1			1			1	20	3
867		1						1		1	19.6	3
868							2	1			19.9	3
869			1				1			1	19.6	3
870				1					2		19.6	3
871						1	1		1		19.5	3
872					1	1				1	19.3	3
873						1		2			19.3	3
874			1						2		19.2	3
875					1			1	1		19.3	3
876		1					1			1	18.9	3
877							3				19.2	3
878				1		1				1	18.7	3
879				1				1	1		18.7	3
880		1							2		18.5	3
881						1	1	1			18.6	3
882			1			1				1	18.3	3
883					1		1		1		18.6	3
884			1					1	1		18.3	3
885					2					1	18.4	3
886					1			2			18.4	3
887						2			1		18.2	3
888				1			1		1		18	3
889				1	1					1	17.8	3
890				1				2			17.8	3
891		1				1				1	17.6	3
892						1	2				17.9	3
893		1						1	1		17.6	3
894					1		1	1			17.7	3
895			1				1		1		17.6	3
896			1		1					1	17.4	3
897					2					1	17.2	3
898			1					2			17.4	3
899						2		1			17.3	3
900					1	1			1		17.3	3

901				1			1	1			17.1	3
902			1	1						1	16.8	3
903		1					1		1		16.9	3
904		1			1					1	16.7	3
905		1						2			16.7	3
906				1		1			1		16.7	3
907					1		2				17	3
908			1				1	1			16.7	3
909			2							1	16.4	3
910						2	1				16.6	3
911		1		1						1	16.1	3
912			1			1			1		16.3	3
913					1	1		1			16.4	3
914				1			2				16.4	3
915					2				1		16.4	3
916		1					1	1			16	3
917		1	1							1	15.7	3
918			1				2				16	3
919				1		1		1			15.8	3
920				1	1				1		15.8	3
921		1				1			1		15.6	3
922					1	1	1				15.7	3
923			1			1		1			15.4	3
924			1		1				1		15.4	3
925					2			1			15.5	3
926						3					15.3	3
927				2					1		15.2	3
928		2								1	15	3
929		1					2				15.3	3
930				1		1	1				15.1	3
931				1	1			1			14.9	3
932			1	1					1		14.8	3
933		1				1		1			14.7	3
934		1			1				1		14.7	3
935			1			1	1				14.7	3
936					2		1				14.8	3
937			2						1		14.4	3
938			1		1			1			14.5	3
939				2				1			14.3	3
940					1	2					14.4	3
941		1		1					1		14.1	3
942				1	1		1				14.2	3
943		1				1	1				14	3
944			1	1				1			13.9	3
945				1		2					13.8	3
946		1			1			1			13.8	3
947		1	1						1		13.7	3
948			1		1		1				13.8	3
949				2			1				13.6	3
950			2					1			13.5	3

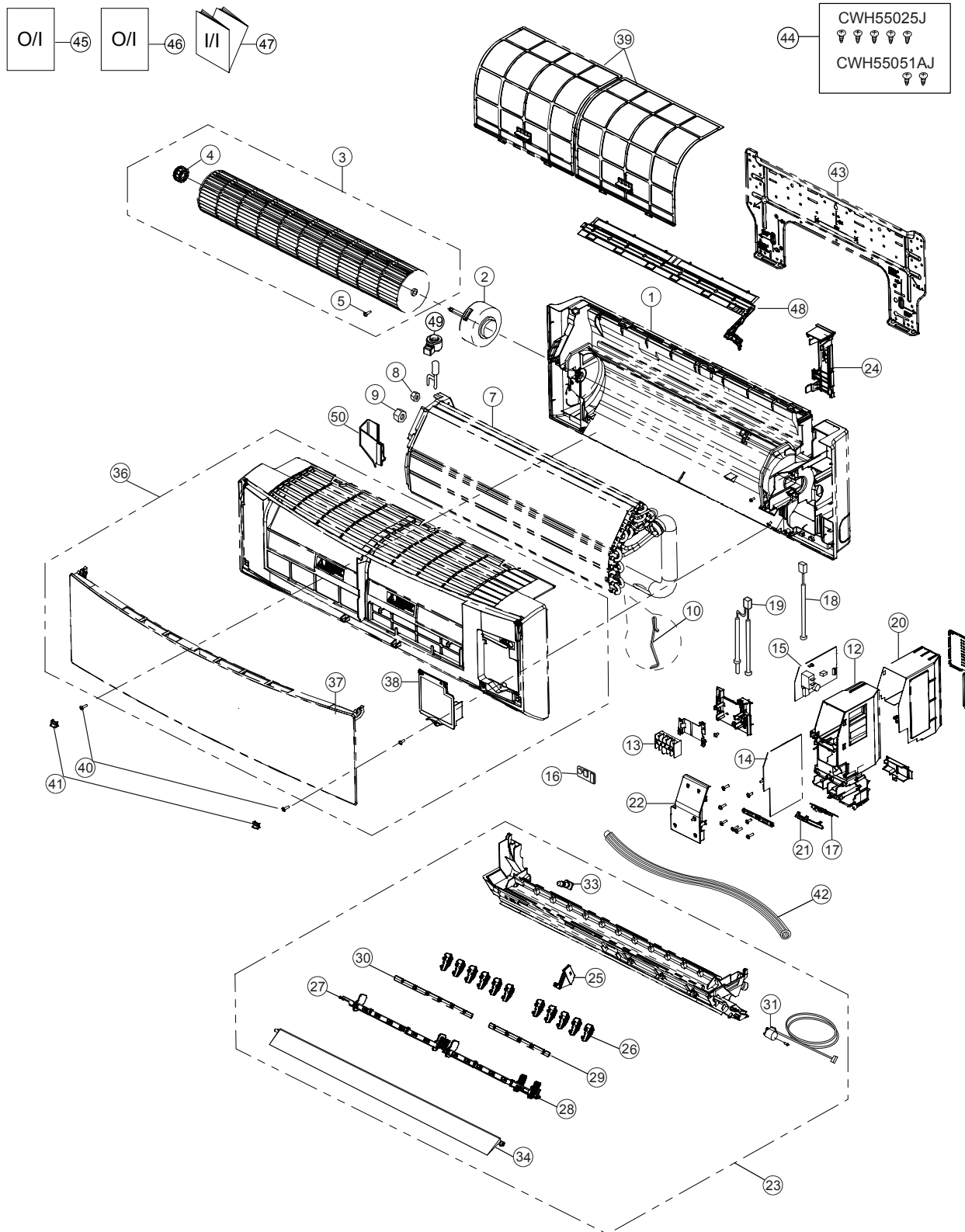
951			1			2					13.4	3
952					2	1					13.5	3
953		1		1				1			13.2	3
954			1	1				1			13.2	3
955		2							1		13	3
956		1			1			1			13.1	3
957		1	1						1		12.8	3
958				1	1	1					12.9	3
959		1				2					12.7	3
960			2					1			12.8	3
961		1		1				1			12.5	3
962			1		1	1					12.5	3
963				2		1					12.3	3
964					3						12.6	3
965		2							1		12.1	3
966		1	1					1			12.1	3
967			1	1		1					11.9	3
968				1	2						12	3
969		1			1	1					11.8	3
970			2			1					11.5	3
971			1		2						11.6	3
972		2						1			11.4	3
973				2	1						11.4	3
974		1		1		1					11.2	3
975				3							10.8	3
976			1	1	1						11	3
977		1	1			1					10.8	3
978		1			2						10.9	3
979			2		1						10.6	3
980			1	2							10.4	3
981		1		1	1						10.3	3
982		2				1					10.1	3
983			2	1							10	3
984		1		2							9.7	3
985		1	1		1						9.9	3
986			3								9.6	3
987		1	1	1							9.3	3
988		2			1						9.2	3
989		1	2								8.9	3
990									2		20	2
991								1	1		18	2
992								1		1	17.1	2
993							1			1	16.4	2
994									2		16	2
995						1				1	15.1	2
996								1	1		15.1	2
997							1			1	14.4	2
998					1					1	14.2	2
999								2			14.2	2
1000				1						1	13.6	2

1001						1	1			13.5	2
1002			1						1	13.2	2
1003						1			1	13.1	2
1004		1							1	12.5	2
1005						2				12.8	2
1006						1		1		12.2	2
1007					1				1	12.2	2
1008				1					1	11.6	2
1009						1	1			11.5	2
1010					1			1		11.3	2
1011			1						1	11.2	2
1012				1					1	10.7	2
1013		1							1	10.5	2
1014					1		1			10.6	2
1015			1					1		10.3	2
1016						2				10.2	2
1017				1			1			10	2
1018		1							1	9.6	2
1019			1				1			9.6	2
1020					1	1				9.3	2
1021		1					1			8.9	2

## 23. Exploded View and Replacement Parts List

### 23.1 Indoor Unit

#### 23.1.1 S-22KA1E5 S-22KA1E5S S-28KA1E5 S-28KA1E5S S-36KA1E5 S-36KA1E5S S-45KA1E5 S-45KA1E5S



**Note**  
The above exploded view is for the purpose of parts disassembly and replacement.  
The non-numbered parts are not kept as standard service parts.

REF. NO.	PART NAME & DESCRIPTION	QTY	S-22KA1E5	S-22KA1E5S	REMARK
1	CHASSY COMPLETE	1	CWD50C1653	CWD50C1666	
2	FAN MOTOR	1	L6CBYYYYL0058	L6CBYYYYL0058	
3	CROSS FLOW FAN COMPLETE	1	CWH02C1076	CWH02C1076	
4	BEARING ASS'Y	1	CWH64K007	CWH64K007	
5	SCREW - CROSS FLOW FAN	1	CWH551146	CWH551146	
7	EVAPORATOR	1	CWB30C3135	CWB30C3135	
8	FLARE NUT (LIQUID)	1	CWT251030	CWT251030	
9	FLARE NUT (GAS)	1	CWT251032	CWT251032	
10	HOLDER SENSOR	1	CWH32143	CWH32143	
12	CONTROL BOARD CASING	1	CWH102370	CWH102370	
13	TERMINAL BOARD COMPLETE	1	CWA28C2484	CWA28C2484	
14	ELECTRONIC CONTROLLER - MAIN	1	CWA73C4578	CWA73C4578	
15	ELECTRONIC CONTROLLER - POWER	1	CWA745499	CWA745499	
16	ELECTRONIC CONTROLLER-DISPLAY	1	CWA745770	CWA745770	
17	ELECTRONIC CONTROLLER-INDICATOR & RECEIVER	1	CWA745769	CWA745769	
18	SENSOR COMPLETE (AIR TEMP)	1	CWA50C2687	CWA50C2687	
19	SENSOR COMPLETE(GAS & PIPE TEMP)	1	CWA50C2688	CWA50C2688	
20	CONTROL BOARD TOP COVER	1	CWH131350	CWH131350	
21	INDICATOR HOLDER	1	CWD933021	CWD933021	
22	CONTROL BOARD FRONT COVER	1	CWH13C1212	CWH13C1212	
23	DISCHARGE GRILLE COMPLETE	1	CWE20C3084	CWE20C3083	
24	BACK COVER CHASSIS	1	CWD933019	CWD933019A	
25	FULCRUM	1	CWH621102	CWH621102	
26	VERTICAL VANE	11	CWE241287	CWE241287	
27	CONNECTING BAR	1	CWE261152	CWE261152	
28	CONNECTING BAR	1	CWE261153	CWE261153	
29	CONNECTING BAR	1	CWE261154	CWE261154	
30	CONNECTING BAR	1	CWE261155	CWE261155	
31	AIR SWING MOTOR	1	CWA981240	CWA981240	
33	CAP - DRAIN TRAY	1	CWH521096	CWH521096	
34	HORIZONTAL VANE	1	CWE24C1268	CWE24C1288	
36	FRONT GRILLE COMPLETE	1	CWE11C4550	CWE11C4551	
37	INTAKE GRILLE COMPLETE	1	CWE22C1507	CWE22C1482	
38	GRILLE DOOR	1	CWE14C1029	CWE14C1038	
39	AIR FILTER	2	CWD001279	CWD001279	
40	SCREW - FRONT GRILLE	2	XTT4+16CFJ	XTT4+16CFJ	
41	CAP - FRONT GRILLE	2	CWH521194	CWH521194A	
42	DRAIN HOSE	1	CWH851173	CWH851173	
43	INSTALLATION PLATE	1	CWH361097	CWH361097	
44	BAG COMPLETE - INSTALLATION SCREW	1	CWH82C1705	CWH82C1705	
45	OPERATING INSTRUCTION	1	CWF567211	CWF567211	
46	OPERATING INSTRUCTION	1	CWF567361	CWF567361	
47	INSTALLATION INSTRUCTION	1	CWF614160	CWF614160	
48	PARTICULAR PLATE COMPLETE	1	CWD91C0128	CWD91C0128	
49	V-COIL COMPLETE	1	CWA43C2372	CWA43C2372	
50	DRAIN PAN	1	CWH401062	CWH401062	

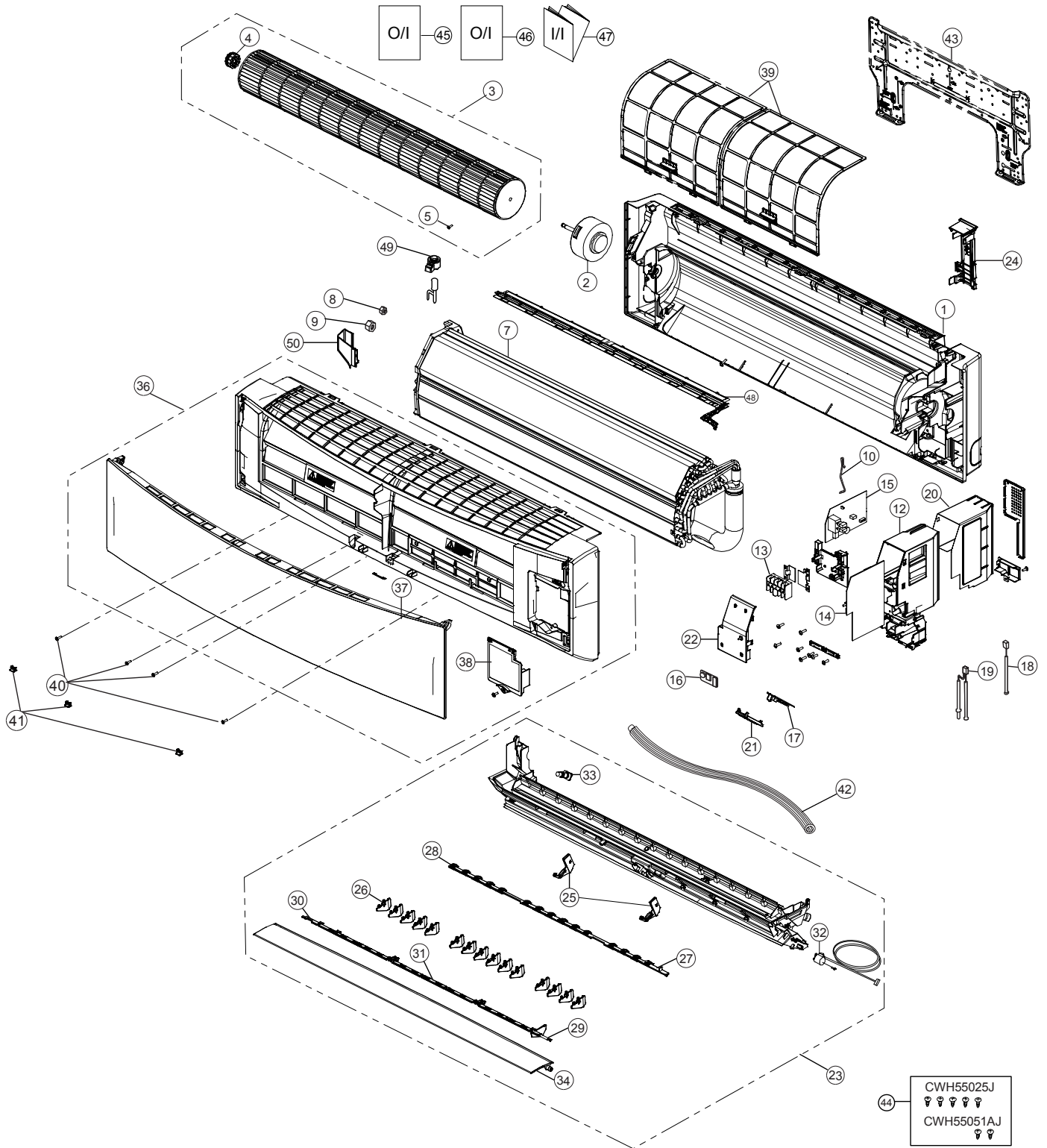
REF. NO.	PART NAME & DESCRIPTION	QTY	S-28KA1E5	S-28KA1E5S	REMARK
1	CHASSY COMPLETE	1	CWD50C1653	CWD50C1666	
2	FAN MOTOR	1	L6CBYYL0058	L6CBYYL0058	
3	CROSS FLOW FAN COMPLETE	1	CWH02C1076	CWH02C1076	
4	BEARING ASS'Y	1	CWH64K007	CWH64K007	
5	SCREW - CROSS FLOW FAN	1	CWH551146	CWH551146	
7	EVAPORATOR	1	CWB30C3136	CWB30C3136	
8	FLARE NUT (LIQUID)	1	CWT251030	CWT251030	
9	FLARE NUT (GAS)	1	CWT251032	CWT251032	
10	HOLDER SENSOR	1	CWH32143	CWH32143	
12	CONTROL BOARD CASING	1	CWH102370	CWH102370	
13	TERMINAL BOARD COMPLETE	1	CWA28C2484	CWA28C2484	
14	ELECTRONIC CONTROLLER - MAIN	1	CWA73C4579	CWA73C4579	
15	ELECTRONIC CONTROLLER - POWER	1	CWA745499	CWA745499	
16	ELECTRONIC CONTROLLER-DISPLAY	1	CWA745770	CWA745770	
17	ELECTRONIC CONTROLLER-INDICATOR & RECEIVER	1	CWA745769	CWA745769	
18	SENSOR COMPLETE (AIR TEMP)	1	CWA50C2687	CWA50C2687	
19	SENSOR COMPLETE(GAS & PIPE TEMP)	1	CWA50C2688	CWA50C2688	
20	CONTROL BOARD TOP COVER	1	CWH131350	CWH131350	
21	INDICATOR HOLDER	1	CWD933021	CWD933021	
22	CONTROL BOARD FRONT COVER	1	CWH13C1212	CWH13C1212	
23	DISCHARGE GRILLE COMPLETE	1	CWE20C3084	CWE20C3083	
24	BACK COVER CHASSIS	1	CWD933019	CWD933019A	
25	FULCRUM	1	CWH621102	CWH621102	
26	VERTICAL VANE	11	CWE241287	CWE241287	
27	CONNECTING BAR	1	CWE261152	CWE261152	
28	CONNECTING BAR	1	CWE261153	CWE261153	
29	CONNECTING BAR	1	CWE261154	CWE261154	
30	CONNECTING BAR	1	CWE261155	CWE261155	
31	AIR SWING MOTOR	1	CWA981240	CWA981240	
33	CAP - DRAIN TRAY	1	CWH521096	CWH521096	
34	HORIZONTAL VANE	1	CWE24C1268	CWE24C1288	
36	FRONT GRILLE COMPLETE	1	CWE11C4550	CWE11C4551	
37	INTAKE GRILLE COMPLETE	1	CWE22C1507	CWE22C1482	
38	GRILLE DOOR	1	CWE14C1029	CWE14C1038	
39	AIR FILTER	2	CWD001279	CWD001279	
40	SCREW - FRONT GRILLE	2	XTT4+16CFJ	XTT4+16CFJ	
41	CAP - FRONT GRILLE	2	CWH521194	CWH521194A	
42	DRAIN HOSE	1	CWH851173	CWH851173	
43	INSTALLATION PLATE	1	CWH361097	CWH361097	
44	BAG COMPLETE - INSTALLATION SCREW	1	CWH82C1705	CWH82C1705	
45	OPERATING INSTRUCTION	1	CWF567211	CWF567211	
46	OPERATING INSTRUCTION	1	CWF567361	CWF567361	
47	INSTALLATION INSTRUCTION	1	CWF614160	CWF614160	
48	PARTICULAR PLATE COMPLETE	1	CWD91C0128	CWD91C0128	
49	V-COIL COMPLETE	1	CWA43C2372	CWA43C2372	
50	DRAIN PAN	1	CWH401062	CWH401062	



REF. NO.	PART NAME & DESCRIPTION	QTY	S-36KA1E5	S-36KA1E5S	REMARK
1	CHASSY COMPLETE	1	CWD50C1653	CWD50C1666	
2	FAN MOTOR	1	L6CBYYYYL0058	L6CBYYYYL0058	
3	CROSS FLOW FAN COMPLETE	1	CWH02C1076	CWH02C1076	
4	BEARING ASS'Y	1	CWH64K007	CWH64K007	
5	SCREW - CROSS FLOW FAN	1	CWH551146	CWH551146	
7	EVAPORATOR	1	CWB30C3136	CWB30C3136	
8	FLARE NUT (LIQUID)	1	CWT251030	CWT251030	
9	FLARE NUT (GAS)	1	CWT251032	CWT251032	
10	HOLDER SENSOR	1	CWH32143	CWH32143	
12	CONTROL BOARD CASING	1	CWH102370	CWH102370	
13	TERMINAL BOARD COMPLETE	1	CWA28C2484	CWA28C2484	
14	ELECTRONIC CONTROLLER - MAIN	1	CWA73C4580	CWA73C4580	
15	ELECTRONIC CONTROLLER - POWER	1	CWA745499	CWA745499	
16	ELECTRONIC CONTROLLER-DISPLAY	1	CWA745770	CWA745770	
17	ELECTRONIC CONTROLLER-INDICATOR & RECEIVER	1	CWA745769	CWA745769	
18	SENSOR COMPLETE (AIR TEMP)	1	CWA50C2687	CWA50C2687	
19	SENSOR COMPLETE(GAS & PIPE TEMP)	1	CWA50C2688	CWA50C2688	
20	CONTROL BOARD TOP COVER	1	CWH131350	CWH131350	
21	INDICATOR HOLDER	1	CWD933021	CWD933021	
22	CONTROL BOARD FRONT COVER	1	CWH13C1212	CWH13C1212	
23	DISCHARGE GRILLE COMPLETE	1	CWE20C3084	CWE20C3083	
24	BACK COVER CHASSIS	1	CWD933019	CWD933019A	
25	FULCRUM	1	CWH621102	CWH621102	
26	VERTICAL VANE	11	CWE241287	CWE241287	
27	CONNECTING BAR	1	CWE261152	CWE261152	
28	CONNECTING BAR	1	CWE261153	CWE261153	
29	CONNECTING BAR	1	CWE261154	CWE261154	
30	CONNECTING BAR	1	CWE261155	CWE261155	
31	AIR SWING MOTOR	1	CWA981240	CWA981240	
33	CAP - DRAIN TRAY	1	CWH521096	CWH521096	
34	HORIZONTAL VANE	1	CWE24C1268	CWE24C1288	
36	FRONT GRILLE COMPLETE	1	CWE11C4550	CWE11C4551	
37	INTAKE GRILLE COMPLETE	1	CWE22C1507	CWE22C1482	
38	GRILLE DOOR	1	CWE14C1029	CWE14C1038	
39	AIR FILTER	2	CWD001279	CWD001279	
40	SCREW - FRONT GRILLE	2	XTT4+16CFJ	XTT4+16CFJ	
41	CAP - FRONT GRILLE	2	CWH521194	CWH521194A	
42	DRAIN HOSE	1	CWH851173	CWH851173	
43	INSTALLATION PLATE	1	CWH361097	CWH361097	
44	BAG COMPLETE - INSTALLATION SCREW	1	CWH82C1705	CWH82C1705	
45	OPERATING INSTRUCTION	1	CWF567211	CWF567211	
46	OPERATING INSTRUCTION	1	CWF567361	CWF567361	
47	INSTALLATION INSTRUCTION	1	CWF614160	CWF614160	
48	PARTICULAR PLATE COMPLETE	1	CWD91C0128	CWD91C0128	
49	V-COIL COMPLETE	1	CWA43C2372	CWA43C2372	
50	DRAIN PAN	1	CWH401062	CWH401062	

REF. NO.	PART NAME & DESCRIPTION	QTY	S-45KA1E5	S-45KA1E5S	REMARK
1	CHASSY COMPLETE	1	CWD50C1653	CWD50C1666	
2	FAN MOTOR	1	L6CBYYL0058	L6CBYYL0058	
3	CROSS FLOW FAN COMPLETE	1	CWH02C1076	CWH02C1076	
4	BEARING ASS'Y	1	CWH64K007	CWH64K007	
5	SCREW - CROSS FLOW FAN	1	CWH551146	CWH551146	
7	EVAPORATOR	1	CWB30C3136	CWB30C3136	
8	FLARE NUT (LIQUID)	1	CWT251030	CWT251030	
9	FLARE NUT (GAS)	1	CWT251032	CWT251032	
10	HOLDER SENSOR	1	CWH32143	CWH32143	
12	CONTROL BOARD CASING	1	CWH102370	CWH102370	
13	TERMINAL BOARD COMPLETE	1	CWA28C2484	CWA28C2484	
14	ELECTRONIC CONTROLLER - MAIN	1	CWA73C4581	CWA73C4581	
15	ELECTRONIC CONTROLLER - POWER	1	CWA745499	CWA745499	
16	ELECTRONIC CONTROLLER-DISPLAY	1	CWA745770	CWA745770	
17	ELECTRONIC CONTROLLER-INDICATOR & RECEIVER	1	CWA745769	CWA745769	
18	SENSOR COMPLETE (AIR TEMP)	1	CWA50C2687	CWA50C2687	
19	SENSOR COMPLETE(GAS & PIPE TEMP)	1	CWA50C2688	CWA50C2688	
20	CONTROL BOARD TOP COVER	1	CWH131350	CWH131350	
21	INDICATOR HOLDER	1	CWD933021	CWD933021	
22	CONTROL BOARD FRONT COVER	1	CWH13C1212	CWH13C1212	
23	DISCHARGE GRILLE COMPLETE	1	CWE20C3084	CWE20C3083	
24	BACK COVER CHASSIS	1	CWD933019	CWD933019A	
25	FULCRUM	1	CWH621102	CWH621102	
26	VERTICAL VANE	11	CWE241287	CWE241287	
27	CONNECTING BAR	1	CWE261152	CWE261152	
28	CONNECTING BAR	1	CWE261153	CWE261153	
29	CONNECTING BAR	1	CWE261154	CWE261154	
30	CONNECTING BAR	1	CWE261155	CWE261155	
31	AIR SWING MOTOR	1	CWA981240	CWA981240	
33	CAP - DRAIN TRAY	1	CWH521096	CWH521096	
34	HORIZONTAL VANE	1	CWE24C1268	CWE24C1288	
36	FRONT GRILLE COMPLETE	1	CWE11C4550	CWE11C4551	
37	INTAKE GRILLE COMPLETE	1	CWE22C1507	CWE22C1482	
38	GRILLE DOOR	1	CWE14C1029	CWE14C1038	
39	AIR FILTER	2	CWD001279	CWD001279	
40	SCREW - FRONT GRILLE	2	XTT4+16CFJ	XTT4+16CFJ	
41	CAP - FRONT GRILLE	2	CWH521194	CWH521194A	
42	DRAIN HOSE	1	CWH851173	CWH851173	
43	INSTALLATION PLATE	1	CWH361097	CWH361097	
44	BAG COMPLETE - INSTALLATION SCREW	1	CWH82C1705	CWH82C1705	
45	OPERATING INSTRUCTION	1	CWF567211	CWF567211	
46	OPERATING INSTRUCTION	1	CWF567361	CWF567361	
47	INSTALLATION INSTRUCTION	1	CWF614160	CWF614160	
48	PARTICULAR PLATE COMPLETE	1	CWD91C0128	CWD91C0128	
49	V-COIL COMPLETE	1	CWA43C2372	CWA43C2372	
50	DRAIN PAN	1	CWH401062	CWH401062	

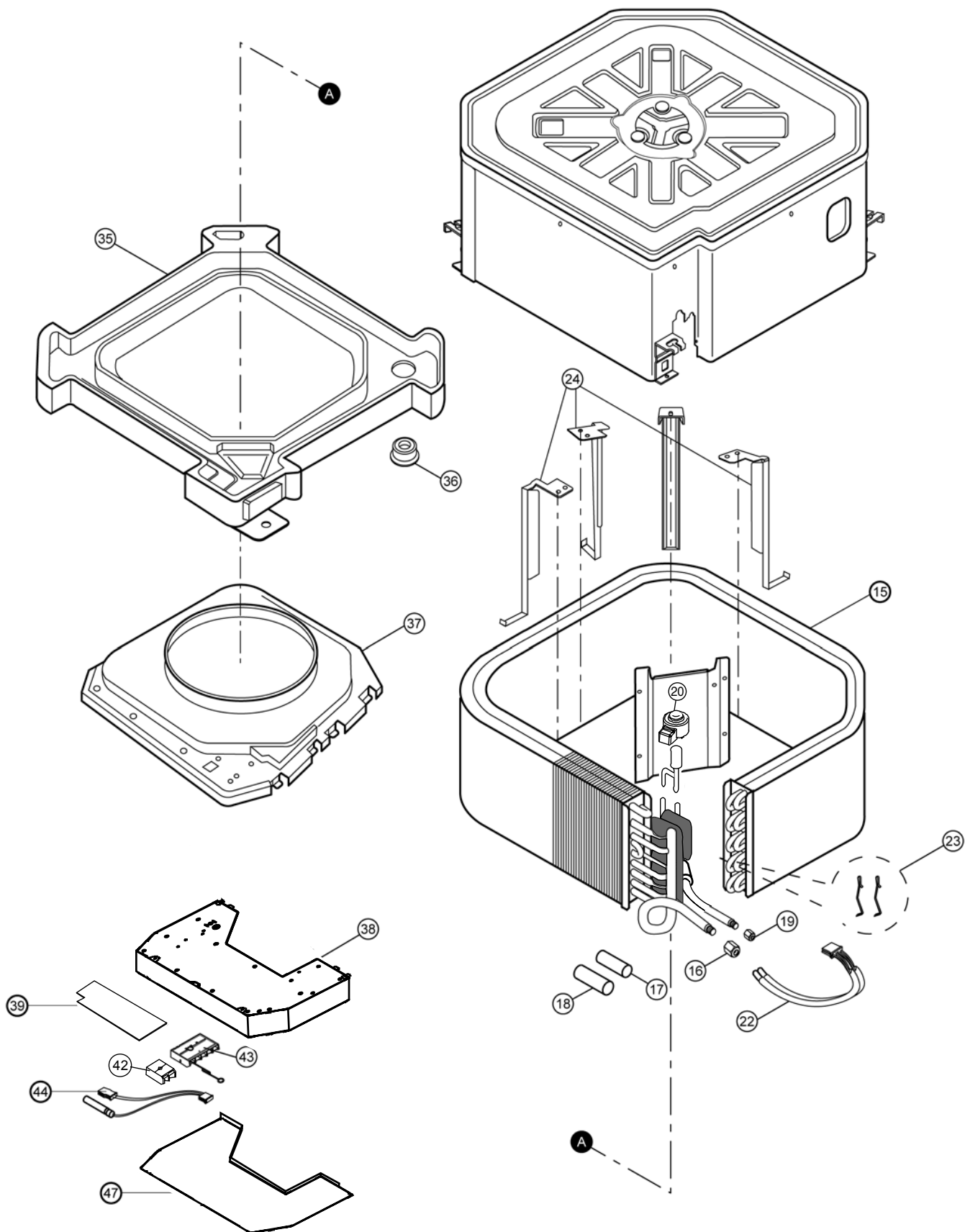
23.1.2 S-56KA1E5 S-63KA1E5 S-71KA1E5



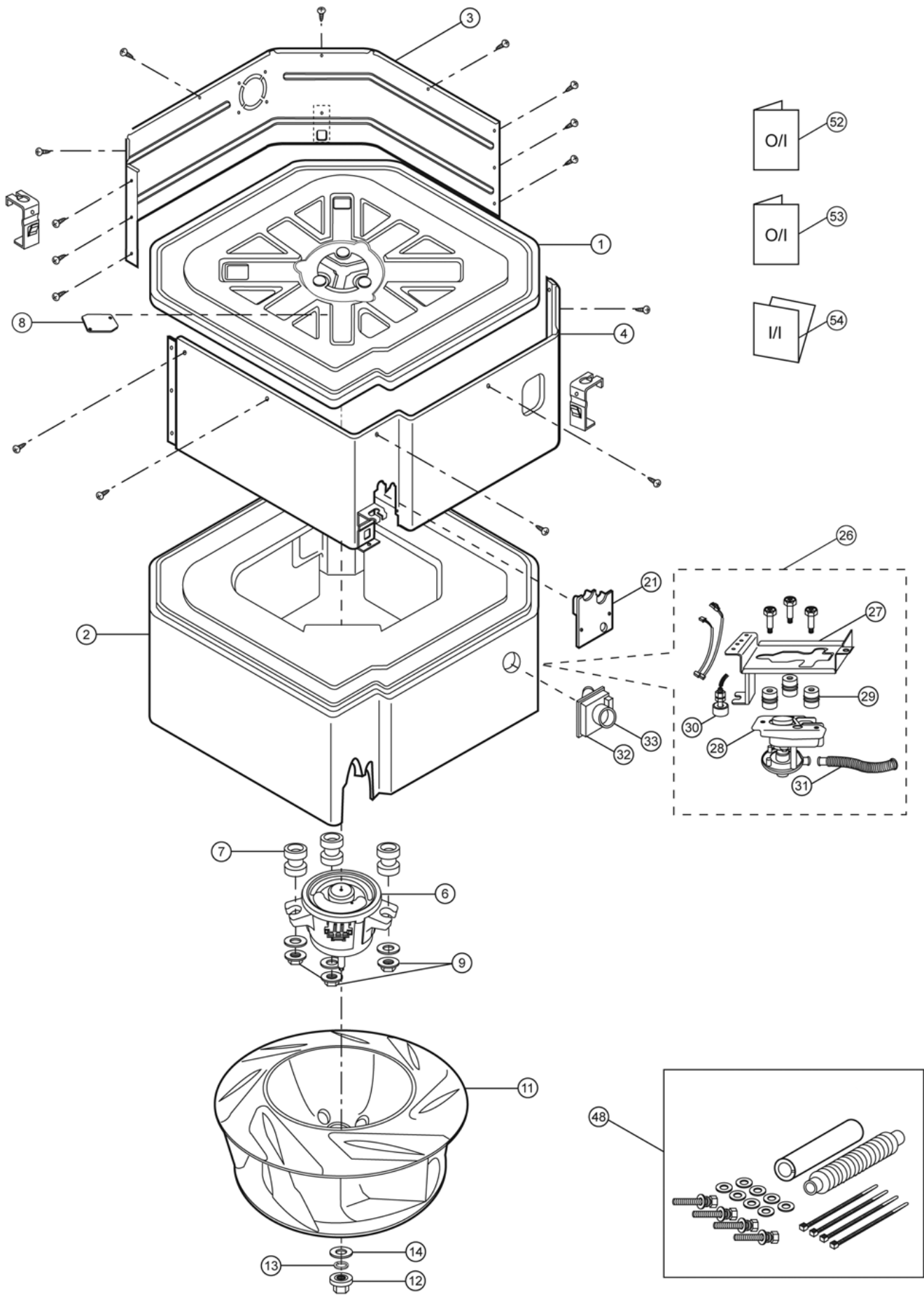
Note  
 The above exploded view is for the purpose of parts disassembly and replacement.  
 The non-numbered parts are not kept as standard service parts.

REF. NO.	PART NAME & DESCRIPTION	QTY	S-56KA1E5	S-63KA1E5	S-71KA1E5	REMARK
1	CHASSY COMPLETE	1	CWD50C1665	CWD50C1665	CWD50C1665	
2	FAN MOTOR	1	L6CBYYL0057	L6CBYYL0057	L6CBYYL0057	
3	CROSS FLOW FAN COMPLETE	1	CWH02C1077	CWH02C1077	CWH02C1077	
4	BEARING ASS'Y	1	CWH64K007	CWH64K007	CWH64K007	
5	SCREW - CROSS FLOW FAN	1	CWH551146	CWH551146	CWH551146	
7	EVAPORATOR	1	CWB30C3141	CWB30C3151	CWB30C3160	
8	FLARE NUT (LIQUID)	1	CWT251030	CWT251030	CWT251031	
9	FLARE NUT (GAS)	1	CWT251032	CWT251032	CWT251033	
10	HOLDER SENSOR	1	CWH32143	CWH32143	CWH32143	
12	CONTROL BOARD CASING	1	CWH102370	CWH102370	CWH102370	
13	TERMINAL BOARD COMPLETE	1	CWA28C2484	CWA28C2484	CWA28C2484	
14	ELECTRONIC CONTROLLER - MAIN	1	CWA73C4582	CWA73C4583	CWA73C4584	
15	ELECTRONIC CONTROLLER - POWER	1	CWA745499	CWA745499	CWA745499	
16	ELECTRONIC CONTROLLER-DISPLAY	1	CWA745770	CWA745770	CWA745770	
17	ELECTRONIC CONTROLLER-INDICATOR & RECEIVER	1	CWA745769	CWA745769	CWA745769	
18	SENSOR COMPLETE (AIR TEMP)	1	CWA50C2687	CWA50C2687	CWA50C2687	
19	SENSOR COMPLETE(GAS & PIPE TEMP)	1	CWA50C2688	CWA50C2688	CWA50C2688	
20	CONTROL BOARD TOP COVER	1	CWH131350	CWH131350	CWH131350	
21	INDICATOR HOLDER	1	CWD933021	CWD933021	CWD933021	
22	CONTROL BOARD FRONT COVER	1	CWH13C1212	CWH13C1212	CWH13C1212	
23	DISCHARGE GRILLE COMPLETE	1	CWE20C3008	CWE20C3008	CWE20C3008	
24	BACK COVER CHASSIS	1	CWD933031	CWD933031	CWD933031	
25	FULCRUM	2	CWH621103	CWH621103	CWH621103	
26	VERTICAL VANE	15	CWE241289	CWE241289	CWE241289	
27	CONNECTING BAR	1	CWE261156	CWE261156	CWE261156	
28	CONNECTING BAR	1	CWE261158	CWE261158	CWE261158	
29	CONNECTING BAR	1	CWE261167	CWE261167	CWE261167	
30	CONNECTING BAR	1	CWE261159	CWE261159	CWE261159	
31	CONNECTING BAR	1	CWE261160	CWE261160	CWE261160	
32	AIR SWING MOTOR	1	CWA981241	CWA981241	CWA981241	
33	CAP - DRAIN TRAY	1	CWH521096	CWH521096	CWH521096	
34	HORIZONTAL VANE	1	CWE24C1295	CWE24C1295	CWE24C1295	
36	FRONT GRILLE COMPLETE	1	CWE11C4552	CWE11C4553	CWE11C4553	
37	INTAKE GRILLE COMPLETE	1	CWE22C1483	CWE22C1483	CWE22C1483	
38	GRILLE DOOR	1	CWE14C1029	CWE14C1029	CWE14C1029	
39	AIR FILTER	2	CWD001283	CWD001283	CWD001283	
40	SCREW - FRONT GRILLE	4	XTT4+16CFJ	XTT4+16CFJ	XTT4+16CFJ	
41	CAP - FRONT GRILLE	3	CWH521194	CWH521194	CWH521194	
42	DRAIN HOSE	1	CWH851173	CWH851173	CWH851173	
43	INSTALLATION PLATE	1	CWH361098	CWH361098	CWH361098	
44	BAG COMPLETE - INSTALLATION SCREW	1	CWH82C1705	CWH82C1705	CWH82C1705	
45	OPERATING INSTRUCTION	1	CWF567211	CWF567211	CWF567211	
46	OPERATING INSTRUCTION	1	CWF567361	CWF567361	CWF567361	
47	INSTALLATION INSTRUCTION	1	CWF614160	CWF614160	CWF614160	
48	PARTICULAR PLATE COMPLETE	1	CWD91C0133	CWD91C0133	CWD91C0133	
49	V-COIL COMPLETE	1	CWA43C2371	CWA43C2371	CWA43C2371	
50	DRAIN PAN	1	CWH401062	CWH401062	CWH401062	

23.1.3 S-22YA1E5 S-28YA1E5 S-36YA1E5 S-45YA1E5 S-56YA1E5



Note  
 The above exploded view is for the purpose of parts disassembly and replacement.  
 The non-numbered parts are not kept as standard service parts.

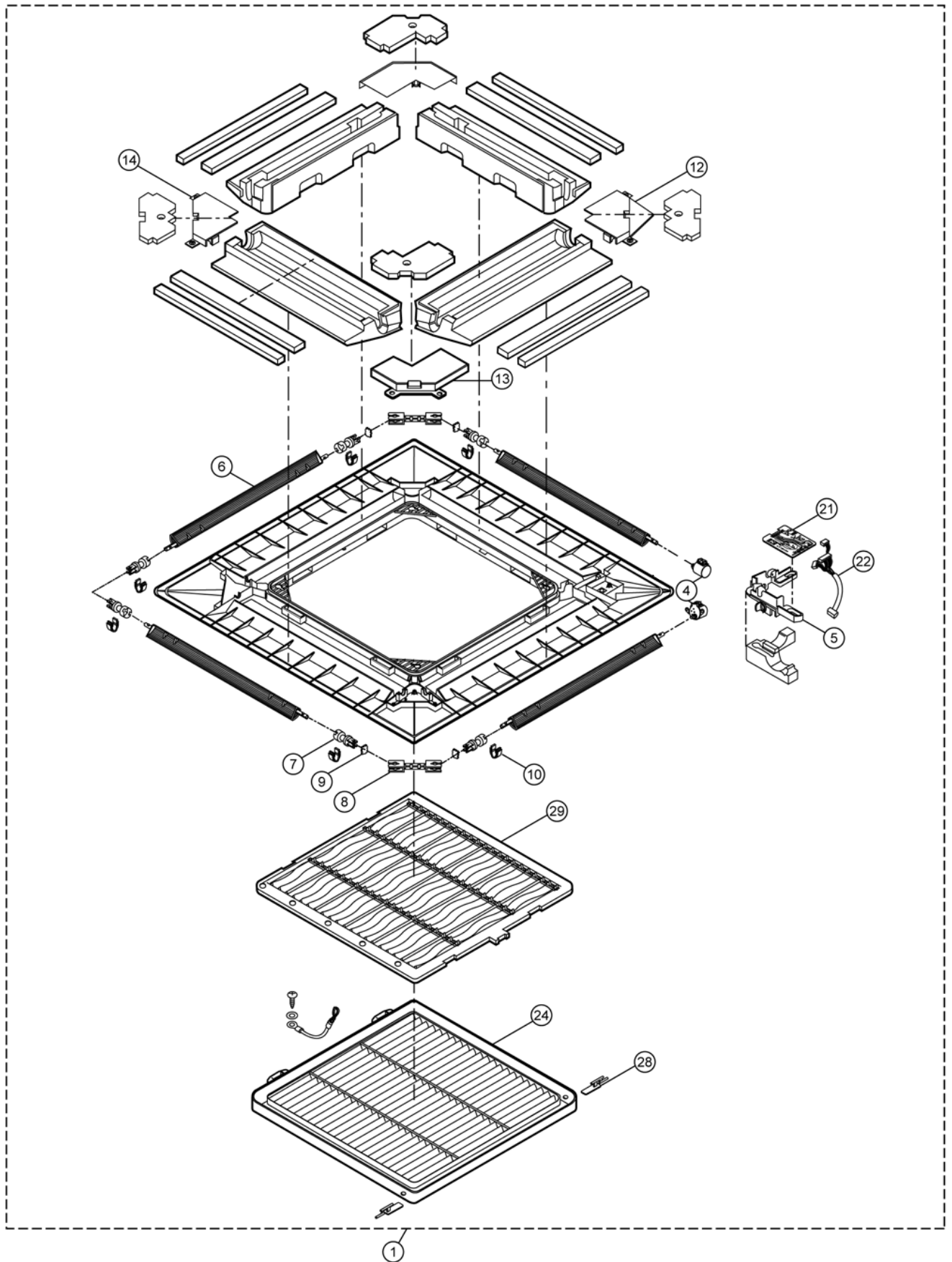


**Note**  
 The above exploded view is for the purpose of parts disassembly and replacement.  
 The non-numbered parts are not kept as standard service parts.

REF. NO.	PART NAME & DESCRIPTION	QTY	S-22YA1E5	S-28YA1E5	S-36YA1E5	REMARK
1	BASE PAN ASS'Y	1	CWD52K1100	CWD52K1100	CWD52K1100	
2	INNER POLYSTYRENE COMPLETE	1	CWG07C1067	CWG07C1067	CWG07C1067	
3	CABINET SIDE PLATE ASS'Y	1	CWE041121	CWE041121	CWE041121	
4	CABINET SIDE PLATE ASS'Y	1	CWE041122	CWE041122	CWE041122	
6	FAN MOTOR,DC 40W 3 PH	1	L6CBYYL0048	L6CBYYL0048	L6CBYYL0048	
7	ANTI-VIBRATION BUSHING	3	CWH501105	CWH501105	CWH501105	
8	CORD HOLDER	1	CWD741024	CWD741024	CWD741024	
9	SCREW - FAN MOTOR	3	CWH561058	CWH561058	CWH561058	
11	TURBO FAN	1	CWH03K1022	CWH03K1022	CWH03K1022	
12	NUT for TURBO FAN	1	CWH561042	CWH561042	CWH561042	
13	SPRING WASHER	1	XWA8BFJ	XWA8BFJ	XWA8BFJ	
14	PLAIN WASHER	1	XWG8H22FJ	XWG8H22FJ	XWG8H22FJ	
15	EVAPORATOR COMPLETE	1	CWB30C3133	CWB30C3155	CWB30C3155	
16	FLARE NUT (1/2")	1	CWT251032	CWT251032	CWT251032	
17	HEATPROOF TUBE	1	CWG021023	CWG021023	CWG021023	
18	HEATPROOF TUBE	1	CWG021064	CWG021064	CWG021064	
19	FLARE NUT (1/4")	1	CWT251030	CWT251030	CWT251030	
21	PIPE COVER	1	CWD93C1099	CWD93C1099	CWD93C1099	
20	V-COIL COMPLETE	2	CWA43C2386	CWA43C2386	CWA43C2386	
22	SENSOR - EVAPORATOR	1	CWA50C2735	CWA50C2735	CWA50C2735	
23	HOLDER SENSOR	2	CWH32143	CWH32143	CWH32143	
24	EVAPORATOR SUPPORTER	3	CWD911529A	CWD911529A	CWD911529A	
26	DRAIN PUMP COMPLETE	1	CWB53C1038	CWB53C1038	CWB53C1038	
27	PANEL DRAIN PUMP ASS'Y	1	CWD93K1021	CWD93K1021	CWD93K1021	
28	DRAIN PUMP	1	CWB532093	CWB532093	CWB532093	
29	ANTI - VIBRATION BUSHING	3	CWH501080	CWH501080	CWH501080	
30	FLOAT SWITCH - DRAIN PUMP	1	CWA121285	CWA121285	CWA121285	
31	FLEXIBLE PIPE	1	CWH85C1033	CWH85C1033	CWH85C1033	
32	DRAIN NOZZLE	1	CWH411011	CWH411011	CWH411011	
33	DRAIN HOSE HEAT INSULATION	1	CWG321050	CWG321050	CWG321050	
35	DRAIN PAN - COMPLETE	1	CWH40C1071	CWH40C1071	CWH40C1071	
36	DRAIN PLUG	1	CWB821008	CWB821008	CWB821008	
37	AIR GUIDER BLOWER WHEEL	1	CWD321058	CWD321058	CWD321058	
38	CONTROL BOARD CASING	1	CWH10K1108	CWH10K1108	CWH10K1108	
39	ELECTRONIC CONTROLLER - MAIN	1	CWA73C4573	CWA73C4574	CWA73C4575	
42	TERMINAL BOARD ASS'Y	1	CWA28K1042J	CWA28K1042J	CWA28K1042J	
43	TERMINAL BOARD ASS'Y	1	CWA28K1202	CWA28K1202	CWA28K1202	
44	LEADWIRE-AIR TEMP. SENSOR	1	CWA67C8544	CWA67C8544	CWA67C8544	
47	CONTROL BOARD COVER	1	CWH13C1202	CWH13C1202	CWH13C1202	
48	ACCESSORY COMPLETE	1	CWH82C1270	CWH82C1270	CWH82C1270	
52	OPERATING INSTRUCTION	1	CWF567156	CWF567156	CWF567156	
53	OPERATING INSTRUCTION	1	CWF567157	CWF567157	CWF567157	
54	INSTALLATION INSTRUCTION	1	CWF614111	CWF614111	CWF614111	

REF. NO.	PART NAME & DESCRIPTION	QTY	S-45YA1E5	S-56YA1E5	REMARK
1	BASE PAN ASS'Y	1	CWD52K1100	CWD52K1100	
2	INNER POLYSTYRENE COMPLETE	1	CWG07C1067	CWG07C1067	
3	CABINET SIDE PLATE ASS'Y	1	CWE041121	CWE041121	
4	CABINET SIDE PLATE ASS'Y	1	CWE041122	CWE041122	
6	FAN MOTOR,DC 40W 3 PH	1	L6CBYYYYL0048	L6CBYYYYL0048	
7	ANTI-VIBRATION BUSHING	3	CWH501105	CWH501105	
8	CORD HOLDER	1	CWD741024	CWD741024	
9	SCREW - FAN MOTOR	3	CWH561058	CWH561058	
11	TURBO FAN	1	CWH03K1022	CWH03K1022	
12	NUT for TURBO FAN	1	CWH561042	CWH561042	
13	SPRING WASHER	1	XWA8BFJ	XWA8BFJ	
14	PLAIN WASHER	1	XWG8H22FJ	XWG8H22FJ	
15	EVAPORATOR COMPLETE	1	CWB30C3155	CWB30C3155	
16	FLARE NUT (1/2")	1	CWT251032	CWT251032	
17	HEATPROOF TUBE	1	CWG021023	CWG021023	
18	HEATPROOF TUBE	1	CWG021064	CWG021064	
19	FLARE NUT (1/4")	1	CWT251030	CWT251030	
21	PIPE COVER	1	CWD93C1099	CWD93C1099	
20	V-COIL COMPLETE	2	CWA43C2386	CWA43C2386	
22	SENSOR - EVAPORATOR	1	CWA50C2735	CWA50C2735	
23	HOLDER SENSOR	2	CWH32143	CWH32143	
24	EVAPORATOR SUPPORTER	3	CWD911529A	CWD911529A	
26	DRAIN PUMP COMPLETE	1	CWB53C1038	CWB53C1038	
27	PANEL DRAIN PUMP ASS'Y	1	CWD93K1021	CWD93K1021	
28	DRAIN PUMP	1	CWB532093	CWB532093	
29	ANTI - VIBRATION BUSHING	3	CWH501080	CWH501080	
30	FLOAT SWITCH - DRAIN PUMP	1	CWA121285	CWA121285	
31	FLEXIBLE PIPE	1	CWH85C1033	CWH85C1033	
32	DRAIN NOZZLE	1	CWH411011	CWH411011	
33	DRAIN HOSE HEAT INSULATION	1	CWG321050	CWG321050	
35	DRAIN PAN - COMPLETE	1	CWH40C1071	CWH40C1071	
36	DRAIN PLUG	1	CWB821008	CWB821008	
37	AIR GUIDER BLOWER WHEEL	1	CWD321058	CWD321058	
38	CONTROL BOARD CASING	1	CWH10K1108	CWH10K1108	
39	ELECTRONIC CONTROLLER - MAIN	1	CWA73C4576	CWA73C4577	
42	TERMINAL BOARD ASS'Y	1	CWA28K1042J	CWA28K1042J	
43	TERMINAL BOARD ASS'Y	1	CWA28K1202	CWA28K1202	
44	LEADWIRE-AIR TEMP. SENSOR	1	CWA67C8544	CWA67C8544	
47	CONTROL BOARD COVER	1	CWH13C1202	CWH13C1202	
48	ACCESSORY COMPLETE	1	CWH82C1270	CWH82C1270	
52	OPERATING INSTRUCTION	1	CWF567156	CWF567156	
53	OPERATING INSTRUCTION	1	CWF567157	CWF567157	
54	INSTALLATION INSTRUCTION	1	CWF614111	CWF614111	





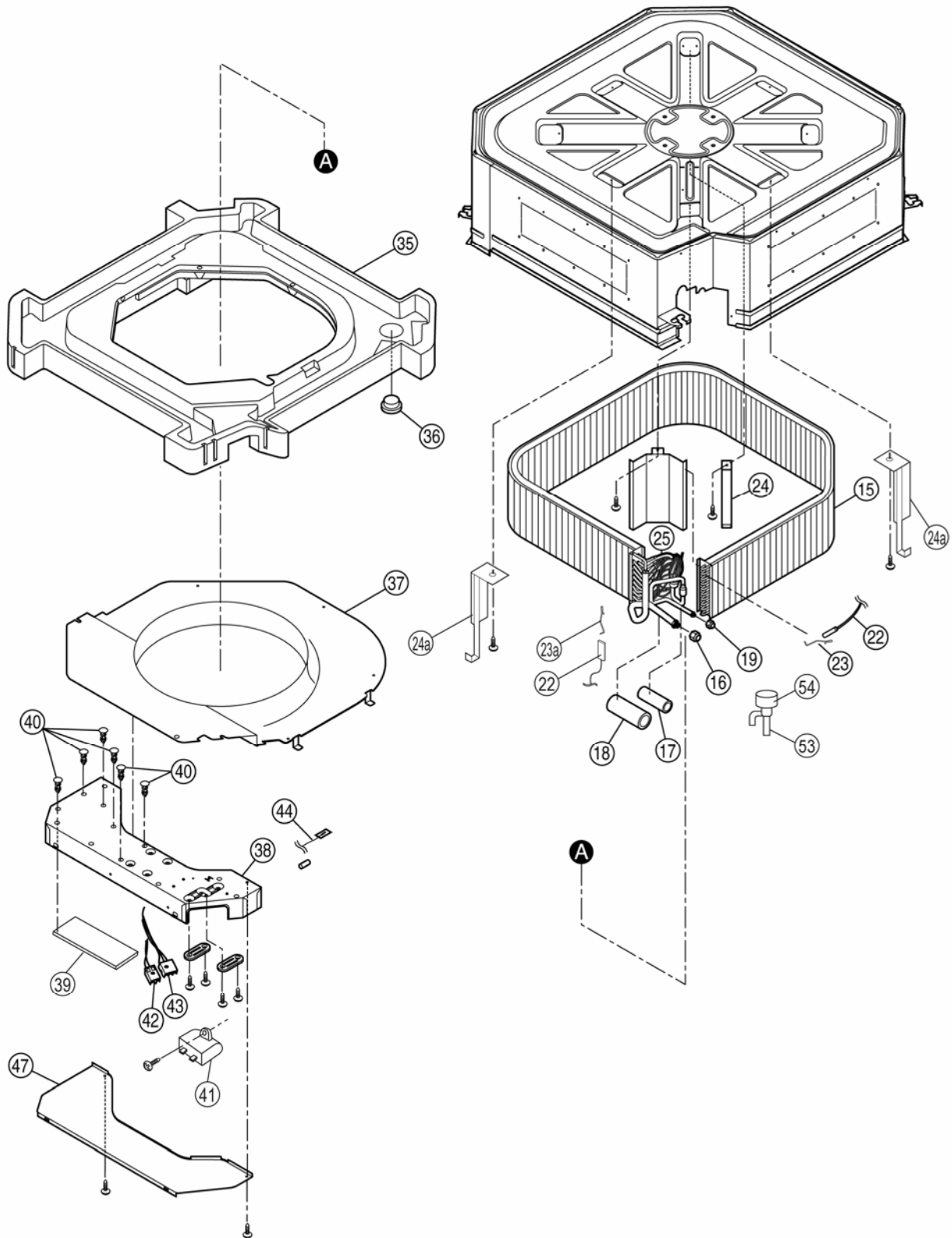
**Note**

The above exploded view is for the purpose of parts disassembly and replacement. The non-numbered parts are not kept as standard service parts.

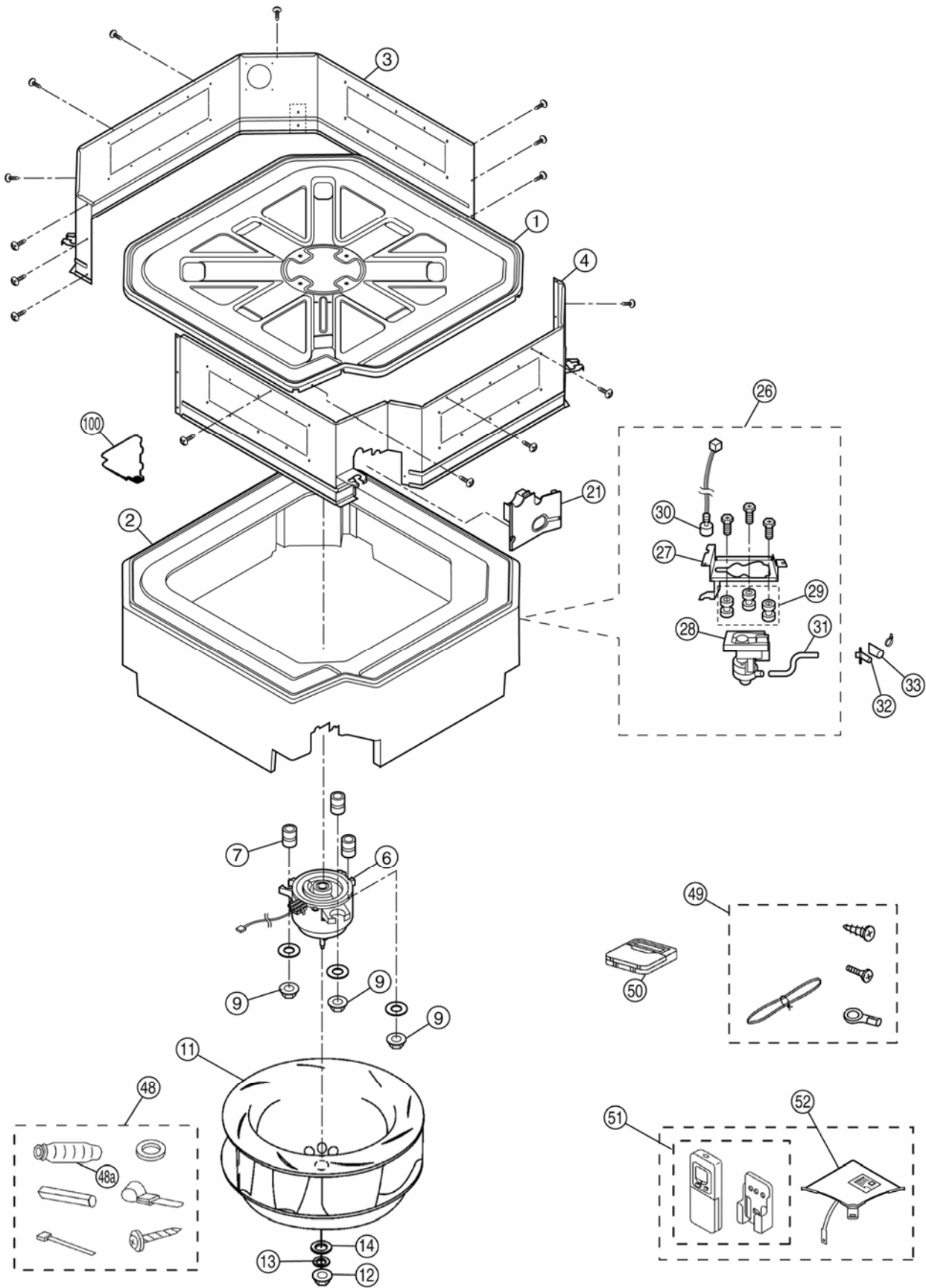
REF. NO.	PART DESCRIPTION	QTY	PART NO.	PART NO.	PART NO.	REMARK
1	FRONT GRILLE - COMPLETE	1	CWE11C4526	CWE11C4526	CWE11C4526	
4	A.S MOTOR DC SINGLE 12V 250 OHM	2	CWA981105J	CWA981105J	CWA981105J	
5	BRACKET - A.S.MOTOR	1	CWD932522	CWD932522	CWD932522	
6	VANE	4	CWE241159	CWE241159	CWE241159	
7	SHAFT	6	CWH631038	CWH631038	CWH631038	
8	SHAFT	2	CWH631045	CWH631045	CWH631045	
9	CONNECTOR - SHAFT	4	CWH081007	CWH081007	CWH081007	
10	BEARING	6	CWH641008	CWH641008	CWH641008	
12	PLATE COVER FOR A.S.MOTOR	1	CWD911459	CWD911459	CWD911459	
13	PLATE COVER FOR CONNECTING SHAFT	2	CWD911460	CWD911460	CWD911460	
14	PLATE COVER FOR END SHAFT	1	CWD911461	CWD911461	CWD911461	
21	ELECTRONIC CONT. (RECEIVER & INDICATOR)	1	CWA744545	CWA744545	CWA744545	
22	LEAD WIRE - COMPLETE	1	CWA67C8578	CWA67C8578	CWA67C8578	
24	INTAKE GRILLE	1	CWE221131	CWE221131	CWE221131	
28	LEVER ARM	2	CWH651029	CWH651029	CWH651029	
29	AIR FILTER	1	CWD001142	CWD001142	CWD001142	

REF. NO.	PART NAME & DESCRIPTION	QTY	PART NO.	PART NO.	REMARK
1	FRONT GRILLE - COMPLETE	1	CWE11C4526	CWE11C4526	
4	A.S MOTOR DC SINGLE 12V 250 OHM	2	CWA981105J	CWA981105J	
5	BRACKET - A.S.MOTOR	1	CWD932522	CWD932522	
6	VANE	4	CWE241159	CWE241159	
7	SHAFT	6	CWH631038	CWH631038	
8	SHAFT	2	CWH631045	CWH631045	
9	CONNECTOR - SHAFT	4	CWH081007	CWH081007	
10	BEARING	6	CWH641008	CWH641008	
12	PLATE COVER FOR A.S.MOTOR	1	CWD911459	CWD911459	
13	PLATE COVER FOR CONNECTING SHAFT	2	CWD911460	CWD911460	
14	PLATE COVER FOR END SHAFT	1	CWD911461	CWD911461	
21	ELECTRONIC CONT. (RECEIVER & INDICATOR)	1	CWA744545	CWA744545	
22	LEAD WIRE - COMPLETE	1	CWA67C8578	CWA67C8578	
24	INTAKE GRILLE	1	CWE221131	CWE221131	
28	LEVER ARM	2	CWH651029	CWH651029	
29	AIR FILTER	1	CWD001142	CWD001142	

23.1.4 S-63UA1E5 S-71UA1E5 S-90UA1E5



Note  
 The above exploded view is for the purpose of parts disassembly and replacement.  
 The non-numbered parts are not kept as standard service parts.



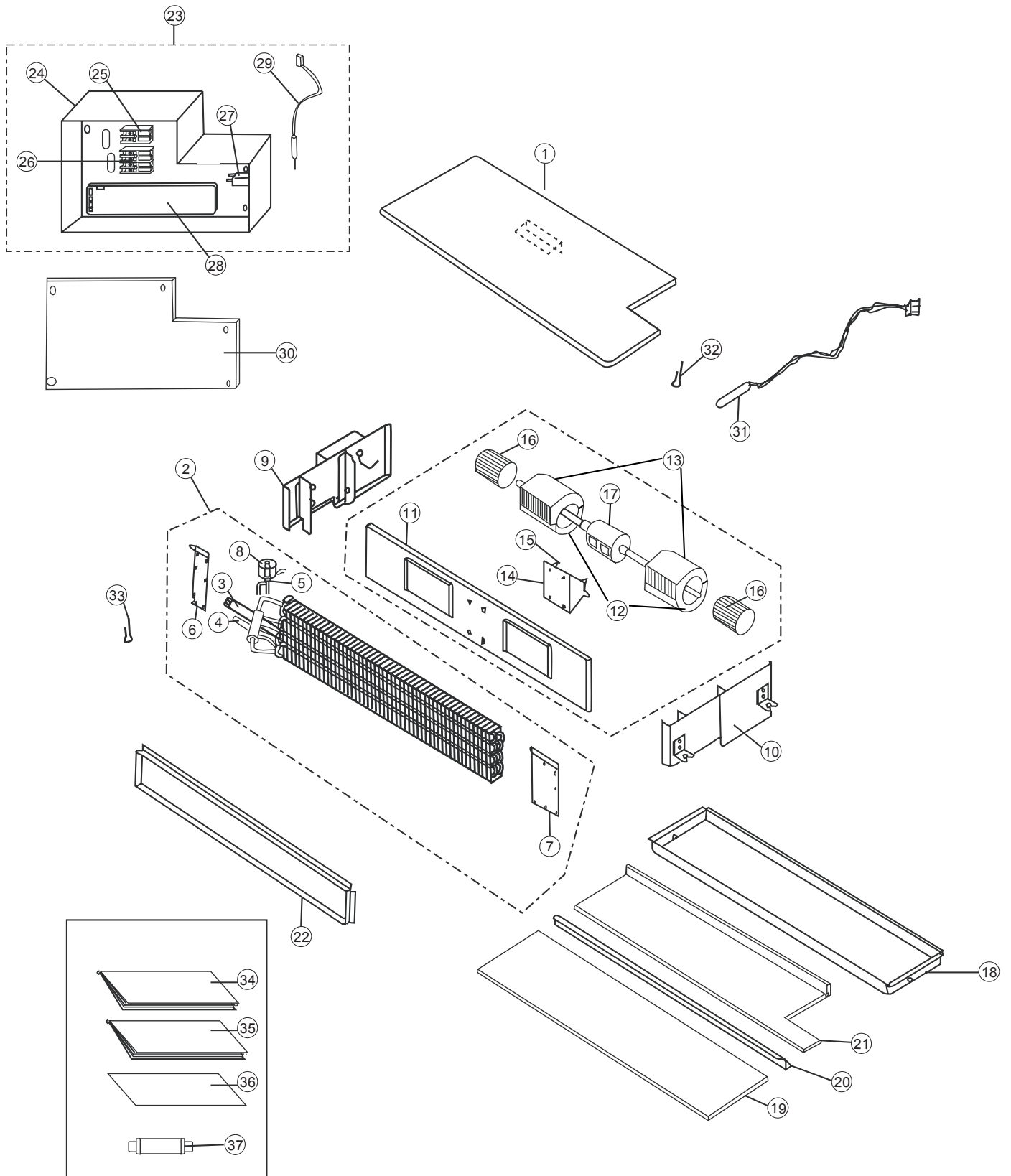
**Note**

The above exploded view is for the purpose of parts disassembly and replacement. The non-numbered parts are not kept as standard service parts.

REF. NO.	PART NAME & DESCRIPTION	QTY	S-63UA1E5	S-71UA1E5	S-90UA1E5	REMARK
1	BASE PAN ASS'Y	1	D52K1111	D52K1111	D52K1111	
2	INNER POLYSTYRENE COMPLETE	1	G07C1060	G07C1060	G07C1060	
3	CABINET SIDE PLATE	1	E041139	E041139	E041139	
4	CABINET SIDE PLATE	1	E041140	E041140	E041140	
6	FAN MOTOR	1	L6LAJYF00017	L6LAJYF00017	L6LAJYF00017	
7	ANTI-VIBRATION BUSHING	4	H501016	H501016	H501016	
9	SCREW-FAN MOTOR	4	7080300J	7080300J	7080300J	
11	TURBO FAN	1	H03K1021	H03K1021	H03K1021	
12	NUT FOR TURBO FAN	1	XNG8FJ	XNG8FJ	XNG8FJ	
13	SP WASHER	1	XWA8BFJ	XWA8BFJ	XWA8BFJ	
14	WASHER	1	H571048	H571048	H571048	
15	EVAPORATER COMPLETE	1	B30C3260	B30C3173	B30C3173	
16	FLARE NUT	1	T251032	T251033	T251033	
17	HEATPROOF TUBE	1	G122699	G122699	G122699	
18	HEATPROOF TUBE	1	G122692	G122692	G122692	
19	FLARE NUT	1	T25086	T25087	T25087	
21	PIPE COVER	1	D93C1052	D93C1052	D93C1052	
22	SENSOR-EVAPORATER	1	A50C2437	A50C2437	A50C2437	
23	PLATE SPRING	1	H711010	H711010	H711010	
23-a	PLATE SPRING	1	H711013	H711013	H711013	
24	EVAPORATER SUPPORTER	1	D911638A	D911638A	D911638A	
24-a	EVAPORATER SUPPORTER	2	D911689A	D911689A	D911689A	
25	TUBE ASS'Y (CAPIL. TUBE)	1	T07K1363	T07K1363	T07K1363	
26	DRAIN PUMP COMPLETE	1	B53C1023	B53C1023	B53C1023	
27	PANEL DRAIN PUMP ASS'Y	1	D93K1016	D93K1016	D93K1016	
28	DRAIN PUMP	1	B532065	B532065	B532065	
29	ANTI-VIBRATION BUSHING	3	H501097	H501097	H501097	
30	FLOAT SWITCH-DRAIN PUMP	1	A121245	A121245	A121245	
31	FLEXIBLE PIPE	1	CWH851156	CWH851156	CWH851156	
32	DRAIN NOZZLE	1	H411013	H411013	H411013	
33	DRAIN HOSE HEAT INSULATION	1	G101284	G101284	G101284	
35	DRAIN PAN-COMPLETE	1	H40C1053	H40C1053	H40C1053	
36	DRAIN PLUG	1	B821016	B821016	B821016	
37	AIR GUIDER B.W.	1	D321093	D321093	D321093	
38	CONTROL BOARD A'SSY	1	H10K1084	H10K1084	H10K1084	
39	ELECTRONIC CONTROLLER-COMPLETE	1	A73C4046	A73C4047	A73C4048	
40	SPACER	6	H541026	H541026	H541026	
41	SH CAPACITOR	1	DS441255XPQE	DS441305XPQC	DS441305XPQC	
42	TERMINAL BOARD ASS'Y	1	A28K1042J	A28K1042J	A28K1042J	
43	TERMINAL BOARD ASS'Y	1	A28K1202	A28K1202	A28K1202	
44	LEAD WIRE-COMPLETE	1	A67C8646	A67C8646	A67C8646	
47	CONTROL BOARD COVER-COMPLETE	1	H13C1203	H13C1203	H13C1203	
48	ACCESSORY-COMPLETE	1	H82C1752	H82C1752	H82C1752	
48A	FLEXIBLE PIPE	1	H851032	H851032	H851032	
49	WIRED REMOTE CONTROL COMPLETE(Accessory)	1	CWG87C2049	CWG87C2049	CWG87C2049	
50	WIRED REMOTE CONTROL COMPLETE	1	CWA75C3587	CWA75C3587	CWA75C3587	
51	WIRELESS REMOTE CONTROL COMPLETE(HEAT PUMP)	1	CWA75C3621	CWA75C3621	CWA75C3621	
	WIRELESS REMOTE CONTROL COMPLETE(COOLING ONLY)	1	CWA75C3629	CWA75C3629	CWA75C3629	

52	RAY RECEIVER COMPLETE	1	CWD91C0134	CWD91C0134	CWD91C0134	
53	EXPANSION VALVE	1	CWB051049	CWB051049	CWB051049	
54	V-COIL COMPLETE	1	A43C2388	A43C2388	A43C2388	
100	CORD HOLDER	1	D741022	D741022	D741022	
55	OPERATING INSTRUCTION	1	F567158	F567158	F567158	
56	OPERATING INSTRUCTION	1	F567159	F567159	F567159	
57	INSTALLATION INSTRUCTION	1	F614112	F614112	F614112	

23.1.5 S-22NA1E5 S-28NA1E5 S-32NA1E5 S-36NA1E5 S-45NA1E5 S-56NA1E5



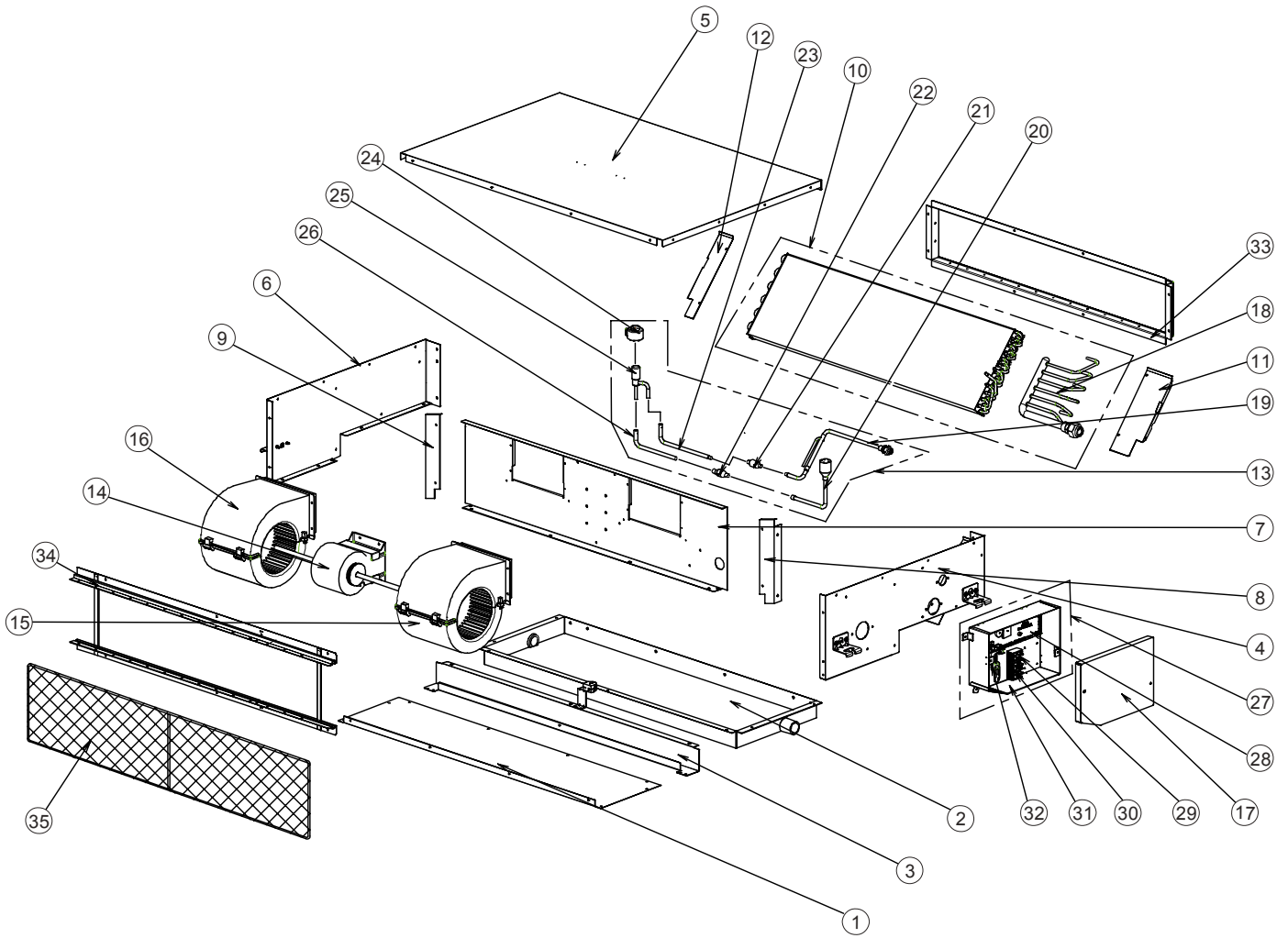
**Note**  
 The above exploded view is for the purpose of parts disassembly and replacement.  
 The non-numbered parts are not kept as standard service parts.

REF. NO.	PART NAME & DESCRIPTION	QTY	S-22NA1E5	S-28NA1E5	S-32NA1E5	REMARK
1	CABINET TOP PLATE	1	CWE03K1029	CWE03K1029	CWE03K1029	
2	EVAPORATOR COMPLETE	1	CWB30C3146	CWB30C3179	CWB30C3148	
3	PIPE BRANCH ( G )	1	CWT07K1364	CWT07K1364	CWT07K1376	
4	PIPE BRANCH ( L )	1	CWT01C5132	CWT01C5132	CWT01C5133	
5	EXPANSION VALVE	1	CWB051029	CWB051029	CWB051029	
6	PARTICULAR PLATE(LEFT)	1	CWD91C0016	CWD91C0016	CWD91C0016	
7	PARTICULAR PLATE(RIGHT)	1	CWD91C0017	CWD91C0017	CWD91C0017	
8	COIL FOR EXPANSION VALVE	1	CWA43C2389	CWA43C2389	CWA43C2389	
9	CABINET SIDE PLATE (L)	1	CWE04C1107	CWE04C1107	CWE04C1107	
10	CABINET SIDE PLATE( R)	1	CWE04C1131	CWE04C1131	CWE04C1131	
11	BULKHEAD	1	CWD53C1033	CWD53C1033	CWD53C1033	
12	AIR GUIDER B.W.(BOTTOM)	2	CWD321068	CWD321068	CWD321068	
13	AIR GUIDER B.W.(UPPER)	2	CWD321069	CWD321069	CWD321069	
14	FAN MOTOR BRACKET (BACK)	1	CWD541102	CWD541102	CWD541102	
15	FAN MOTOR BRACKET (FRONT)	1	CWD541103	CWD541103	CWD541103	
16	BLOW WHEEL	2	CWH01K1026	CWH01K1026	CWH01K1026	
17	FAN MOTOR	1	L6LAJYF00018	L6LAJYF00018	L6LAKYF00010	
18	DRAIN PAN COMPLETE	1	CWH40C1063	CWH40C1063	CWH40C1063	
19	BOTTOM PLATE (DRAIN SIDE)	1	CWE051025	CWE051025	CWE051025	
20	BOTTOM PLATE (MIDDLE)	1	CWE051026	CWE051026	CWE051026	
21	BOTTOM PLATE (FAN SIDE)	1	CWE051011	CWE051011	CWE051011	
22	FLANGE COMPLETE	1	CWD60K1009	CWD60K1009	CWD60K1009	
23	C-BOX COMPLETE	1	CWH14C7300	CWH14C7301	CWH14C7302	
24	CONTROL BOARD CASING	1	CWH10K1097	CWH10K1097	CWH10K1097	
25	TERMINAL BOARD	1	CWA28K1042J	CWA28K1042J	CWA28K1042J	
26	TERMINAL BOARD	1	CWA28K1202	CWA28K1202	CWA28K1202	
27	CAPACITOR	1	DS441155XPQE	DS441205XPQC	DS441205XPQC	
28	ELECTRONIC CONTROLLER	1	CWA73C4050	CWA73C4051	CWA73C4052	
29	INTAKE AIR SENSOR	1	CWA50C2425	CWA50C2425	CWA50C2425	
30	CONTROL BOARD COVER	1	CWH131159	CWH131159	CWH131159	
31	PIPING TEMP.SENSOR	1	CWA50C2436	CWA50C2436	CWA50C2436	
32	HOLDER-SENSOR	1	CWH711010	CWH711010	CWH711010	
33	HOLDER-SENSOR	1	CWH711013	CWH711013	CWH711013	
34	OPERATING INSTRUCTIONS	1	CWF567160	CWF567160	CWF567160	
35	OPERATING INSTRUCTIONS	1	CWF567161	CWF567161	CWF567161	
36	INSTALLATION INSTRUCTIONS	1	CWF614113	CWF614113	CWF614113	
37	DRAIN HOSE	1	CWH85C1010	CWH85C1010	CWH85C1010	



REF. NO.	PART NAME & DESCRIPTION	QTY	S-36NA1E5	S-45NA1E5	S-56NA1E5	REMARK
1	CABINET TOP PLATE	1	CWE03K1029	CWE03K1029	CWE03K1029	
2	EVAPORATOR COMPLETE	1	CWB30C3148	CWB30C3148	CWB30C3148	
3	PIPE BRANCH (G )	1	CWT07K1376	CWT07K1376	CWT07K1376	
4	PIPE BRANCH (L )	1	CWT01C5133	CWT01C5133	CWT01C5133	
5	EXPANSION VALVE	1	CWB051029	CWB051029	CWB051029	
6	PARTICULAR PLATE(LEFT)	1	CWD91C0016	CWD91C0016	CWD91C0016	
7	PARTICULAR PLATE(RIGHT)	1	CWD91C0017	CWD91C0017	CWD91C0017	
8	COIL FOR EXPANSION VALVE	1	CWA43C2389	CWA43C2389	CWA43C2389	
9	CABINET SIDE PLATE (L)	1	CWE04C1107	CWE04C1107	CWE04C1107	
10	CABINET SIDE PLATE( R)	1	CWE04C1131	CWE04C1131	CWE04C1131	
11	BULKHEAD	1	CWD53C1033	CWD53C1033	CWD53C1033	
12	AIR GUIDER B.W.(BOTTOM)	2	CWD321068	CWD321068	CWD321068	
13	AIR GUIDER B.W.(UPPER)	2	CWD321069	CWD321069	CWD321069	
14	FAN MOTOR BRACKET (BACK)	1	CWD541102	CWD541102	CWD541102	
15	FAN MOTOR BRACKET (FRONT)	1	CWD541103	CWD541103	CWD541103	
16	BLOW WHEEL	2	CWH01K1026	CWH01K1026	CWH01K1026	
17	FAN MOTOR	1	L6LAKYF00010	L6LAKYF00010	L6LALYF00005	
18	DRAIN PAN COMPLETE	1	CWH40C1063	CWH40C1063	CWH40C1063	
19	BOTTOM PLATE (DRAIN SIDE)	1	CWE051025	CWE051025	CWE051025	
20	BOTTOM PLATE (MIDDLE)	1	CWE051026	CWE051026	CWE051026	
21	BOTTOM PLATE (FAN SIDE)	1	CWE051011	CWE051011	CWE051011	
22	FLANGE COMPLETE	1	CWD60K1009	CWD60K1009	CWD60K1009	
23	C-BOX COMPLETE	1	CWH14C7303	CWH14C7304	CWH14C7305	
24	CONTROL BOARD CASING	1	CWH10K1097	CWH10K1097	CWH10K1097	
25	TERMINAL BOARD	1	CWA28K1042J	CWA28K1042J	CWA28K1042J	
26	TERMINAL BOARD	1	CWA28K1202	CWA28K1202	CWA28K1202	
27	CAPACITOR	1	DS441205XPQC	DS441255XPQE	DS441255XPQE	
28	ELECTRONIC CONTROLLER	1	CWA73C4053	CWA73C4054	CWA73C4055	
29	INTAKE AIR SENSOR	1	CWA50C2425	CWA50C2425	CWA50C2425	
30	CONTROL BOARD COVER	1	CWH131159	CWH131159	CWH131159	
31	PIPING TEMP.SENSOR	1	CWA50C2436	CWA50C2436	CWA50C2436	
32	HOLDER-SENSOR	1	CWH711010	CWH711010	CWH711010	
33	HOLDER-SENSOR	1	CWH711013	CWH711013	CWH711013	
34	OPERATING INSTRUCTIONS	1	CWF567160	CWF567160	CWF567160	
35	OPERATING INSTRUCTIONS	1	CWF567161	CWF567161	CWF567161	
36	INSTALLATION INSTRUCTIONS	1	CWF614113	CWF614113	CWF614113	
37	DRAIN HOSE	1	CWH85C1010	CWH85C1010	CWH85C1010	

### 23.1.6 S-45MA1E5 S-56MA1E5

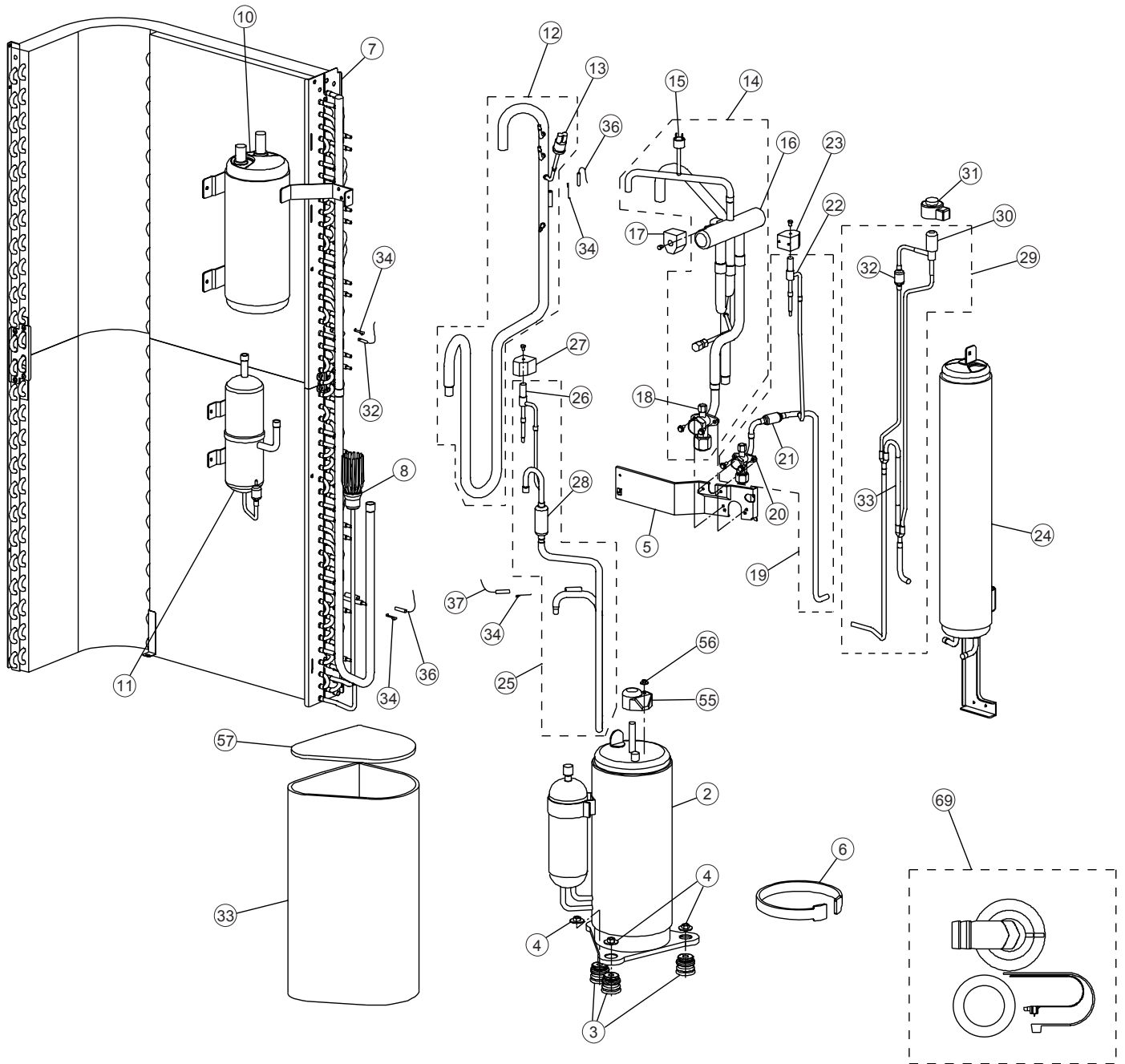


**Note**  
The above exploded view is for the purpose of parts disassembly and replacement.  
The non-numbered parts are not kept as standard service parts.

REF. NO.	PART NAME	PARTS NUMBER	QUANTITY PER 1 UNIT		REMARK
			S-45MA1E5	S-56MA1E5	
1	PANEL BOTTOM	P42-T04150	1	1	
2	DRAIN PAN ASSY	P42-T04460	1	1	
3	STAY DRAIN PAN ASSY	P45-T09250	1	1	
4	PANEL SIDE L ASSY	P42-T04390	1	1	
5	PANEL TOP ASSY	P42-T03740R	1	1	
6	PANEL SIDE R ASSY	P42-T04280	1	1	
7	FAN BASE	P45-T07690R	1	1	
8	FAN BRACKET L	P02-T07890R	1	1	
9	FAN BRACKET R	P02-T07900R	1	1	
10	EVAPORATOR ASSY	P45-T09260	1	1	
11	BRACKET EVA L	P05-T13000R	1	1	
12	BRACKET EVA R	P05-T13010R	1	1	
13	TUBE ASSY COMPLETE	P45-T09100	1	1	
14	FAN MOTOR	P06-T05800	1	1	
15	CASING AS.	P45-T07950R	1	1	
16	CASING AS.	P45-T07950R	1	1	
17	COVER RELAY BOX	P06-T05830	1	1	
18	HEADER PIPE ASSY	P45-T07850	1	1	
19	MULTIBENT TUBE	P05-T14780	1	1	
20	MAINFOLD TUBE ASSY	P45-T09110	1	1	
21	STRAINER	B111033	1	1	
22	SILENCER	B121017	1	1	
23	L-SHAPED TUBE	P05-T14770	1	1	
24	EXPANSION VALVE COIL	P05-T15110	1	1	
25	EXPANSION VALVE	P05-T14970	1	1	
26	L-SHAPED TUBE	P05-T14760	1	1	
27	RELAY BOX ASSY(CMPT)	P46-T08090	1	-	
		P46-T08120	-	1	
28	PCB BOARD(PROGRAM)	A73C4608	1	-	
		A73C4609	-	1	
29	TERMINAL BOARD(2P)	P06-T05770	1	1	
30	TERMINAL BOARD(3P)	P46-T05780	1	1	
31	RELAY BOX ASSY(WELD)	P46-T08010	1	1	
32	CAPACITOR	P06-T05400	1	1	
33	DUCT FLANGE ASSY	P42-T03770R	1	1	
34	FILTER GUIDE ASSY	P42-T03790R	1	1	
35	FILTER	P03-T01520R	1	1	

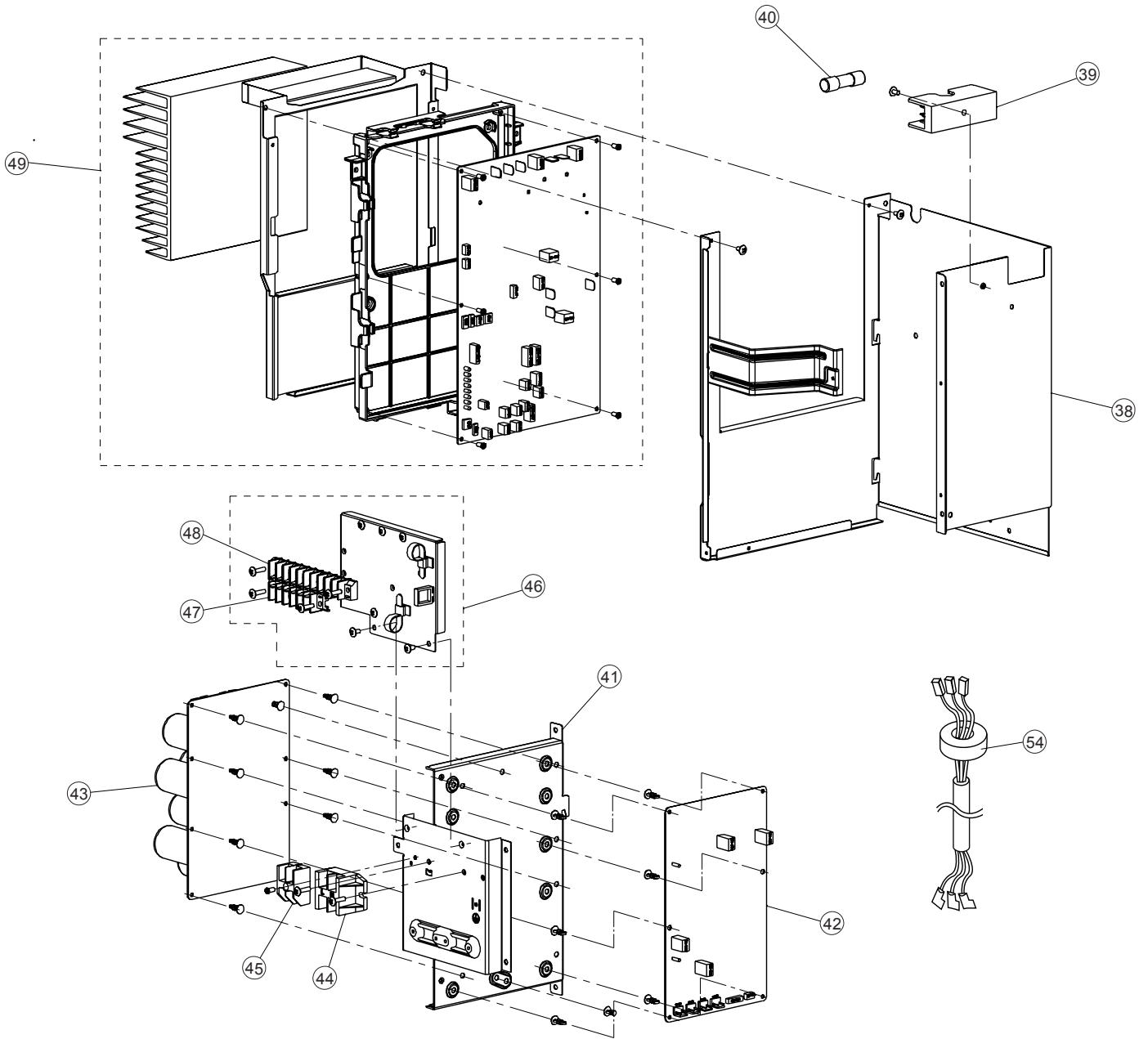
REF. NO.	PART NAME	PARTS NUMBER	QUANTITY PER 1 UNIT			REMARK
			S-63MA1E5	S-71MA1E5	S-90MA1E5	
1	PANEL BOTTOM	P42-T04160	1	1	1	
2	DRAIN PAN ASSY	P42-T04470	1	1	1	
3	STAY DRAIN PAN ASSY	P45-T08740	1	1	1	
4	PANEL SIDE L ASSY	P42-T04290	1	1	1	
5	PANEL TOP ASSY	P42-T03750R	1	1	1	
6	PANEL SIDE R ASSY	P42-T04280	1	1	1	
7	FAN BASE ASSY	P45-T08850	1	1	1	
8	FAN BRACKET L	P02-T07890R	1	1	1	
9	FAN BRACKET R	P02-T07900R	1	1	1	
10	EVAPORATOR ASSY	P45-T09380	1	-	-	
		P45-T08780	-	1	1	
11	BRACKET EVA L	P05-T13000R	1	1	1	
12	BRACKET EVA R	P05-T13010R	1	1	1	
13	TUBE ASSY COMPLETE	P45-T09400	1	-	-	
		P45-T09270	-	1	1	
14	FAN MOTOR	P06-T05800	1	1	-	
		P06-T05810	-	-	1	
15	CASING AS.	P45-T07950R	1	1	1	
16	CASING AS.	P45-T07950R	1	1	1	
17	COVER RELAY BOX	P06-T05830	1	1	1	
18	HEADER PIPE ASSY	P45-T09390	1	-	-	
		P45-T08820	-	1	1	
19	MULTIBENT TUBE	P05-T15240	1	-	-	
		P05-T14320	-	1	1	
20	MAINFOLD TUBE ASSY	P45-T08840	1	1	1	
21	STRAINER	B111033	1	1	1	
22	SILENCER	B121017	1	1	1	
23	L-SHAPED TUBE	P05-T15260	1	1	1	
24	EXPANSION VALVE COIL	P05-T15110	1	1	1	
25	EXPANSION VALVE	P05-T14960	1	1	1	
26	L-SHAPED TUBE	P05-T15250	1	1	1	
27	RELAY BOX ASSY(CMPT)	P46-T08070	1	-	-	
		P46-T08130	-	1	-	
		P46-T08140	-	-	1	
28	PCB BOARD(PROGRAM)	A73C4610	1	-	-	
		A73C4611	-	1	-	
		A73C4612	-	-	1	
29	TERMINAL BOARD(2P)	P06-T05770	1	1	1	
30	TERMINAL BOARD(3P)	P46-T05780	1	1	1	
31	RELAY BOX ASSY(WELD)	P46-T08010	1	1	1	
32	CAPACITOR	P06-T05400	1	1	1	
33	DUCT FLANGE ASSY	P42-T03780R	1	1	1	
34	FILTER GUIDE ASSY	P42-T03800R	1	1	1	
35	FILTER	P03-T01510R	1	1	1	

23.1.7 U-4LA1E5-1 U-5LA1E5-1 U-6LA1E5-1 U-4LA1E5 U-5LA1E5 U-6LA1E5

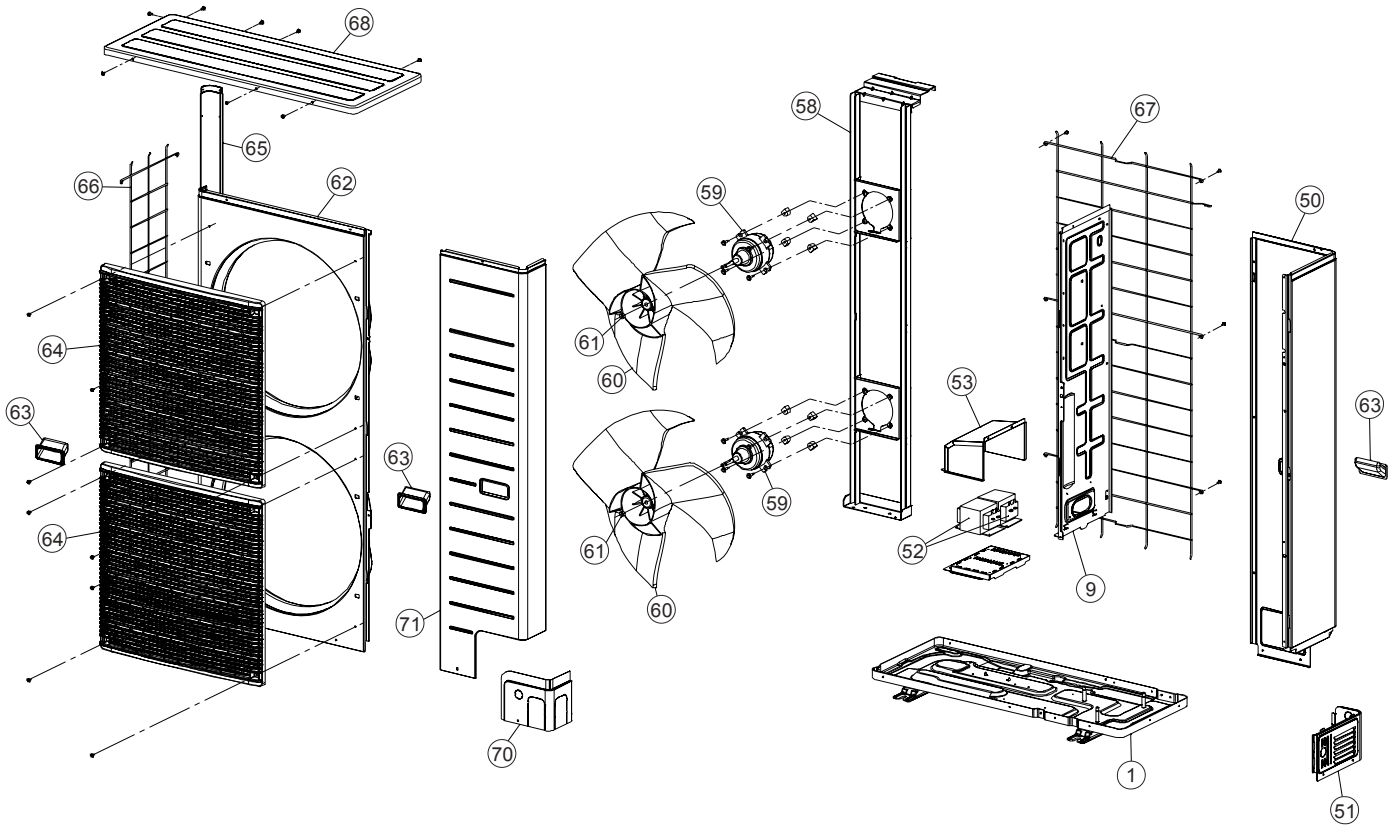


Note

The above exploded view is for the purpose of parts disassembly and replacement.  
 The non-numbered parts are not kept as standard service parts.



**Note**  
 The above exploded view is for the purpose of parts disassembly and replacement.  
 The non-numbered parts are not kept as standard service parts.



**Note**

The above exploded view is for the purpose of parts disassembly and replacement.  
 The non-numbered parts are not kept as standard service parts.

REF. NO.	PART NAME & DESCRIPTION	QTY	U-4LA1E5-1	U-5LA1E5-1	U-6LA1E5-1	REMARK
1	BASE PAN ASS'Y	1	CWD52K1164A	CWD52K1164A	CWD52K1164A	
2	COMPRESSOR	1	CWB092390	CWB092390	CWB092390	
3	ANTI-VIBRATION BUSHING	3	CWH50055	CWH50055	CWH50055	
4	NUT	3	CWH561049	CWH561049	CWH561049	
5	PARTICULAR PLATE	1	CWD911471	CWD911471	CWD911471	
6	HEATER	1	CWA341037	CWA341037	CWA341037	
7	FIN & TUBE CONDENSER COMPLETE	1	CWB32C2896	CWB32C2887	CWB32C2887	
8	MANIFOLD TUBE ASS'Y	1	CWT07K1348	CWT07K1520	CWT07K1520	
9	SOUND-PROOF BOARD ASS'Y	1	CWH15K1025	CWH15K1025	CWH15K1025	
10	ACCUMULATOR	1	CWB131039	CWB131039	CWB131039	
11	OIL SEPARATER	1	CWB161008	CWB161008	CWB161008	
12	TUBE ASS'Y	1	CWT024421	CWT024421	CWT024421	
13	PRESSURE SWITCH	1	CWA101019	CWA101019	CWA101019	
14	4-WAYS VALVE COMPLETE	1	CWB00C1038	CWB00C1038	CWB00C1038	
15	PRESSURE SWITCH	1	CWA101013	CWA101013	CWA101013	
16	4-WAYS VALVE	1	CWB001046	CWB001046	CWB001046	
17	V-COIL COMPLETE	1	CWA43C2269	CWA43C2269	CWA43C2269	
18	3-WAYS VALVE	1	CWB011251	CWB011251	CWB011251	
19	TUBE ASS'Y	1	CWT024424	CWT024424	CWT024424	
20	3-WAYS VALVE	1	CWB011292	CWB011292	CWB011292	
21	STRAINER	1	CWB111041	CWB111041	CWB111041	
22	2-WAYS VALVE	1	CWB021389	CWB021389	CWB021389	
23	V-COIL COMPLETE	1	CWA43C2296	CWA43C2296	CWA43C2296	
24	RECEIVER	1	CWB141035	CWB141035	CWB141035	
25	TUBE ASS'Y	1	CWT025274	CWT026846	CWT026846	
26	2-WAYS VALVE	1	CWB021389	CWB021389	CWB021389	
27	V-COIL COMPLETE	1	CWA43C2268	CWA43C2268	CWA43C2268	
28	DISCHARGE MUFFLER	1	CWB121024	CWB121024	CWB121024	
29	TUBE ASS'Y	1	CWT026848	CWT026847	CWT026847	
30	EXPANTION VALVE	1	CWB051020J	CWB051020J	CWB051020J	
31	V-COIL COMPLETE	1	CWA43C2375	CWA43C2375	CWA43C2375	
32	STRAINER	1	CWB111045	CWB111045	CWB111045	
33	CHECK VALVE	1	CWB031049	CWB031049	CWB031049	
34	PLATE SPRING	4	CWH711010	CWH711010	CWH711010	
35	SENSOR-COMPLETE	1	CWA50C2416	CWA50C2416	CWA50C2416	
36	SENSOR-COMPLETE	1	CWA50C2417	CWA50C2417	CWA50C2417	
37	SENSOR-COMPLETE	1	CWA50C2418	CWA50C2418	CWA50C2418	
38	CONTROL BOARD A'SSY	1	CWH10K1111	CWH10K1111	CWH10K1111	
39	FUSE HOLDER	1	K3GB1YH00004	K3GB1YH00004	K3GB1YH00004	
40	FUSE	1	K5D503YYA057	K5D503YYA057	K5D503YYA057	
41	CONTROL BOARD A'SSY	1	CWH10K1112	CWH10K1112	CWH10K1112	
42	ELECTRONIC CONTROLLER(NOISE FILTER)	1	CWA745706	CWA745706	CWA745706	
43	ELECTRONIC CONTROLLER(CONDENSER)	1	CWA744604	CWA744604	CWA744604	
44	TERMINAL BOARD ASS'Y	1	CWA28K1085J	CWA28K1085J	CWA28K1085J	
45	TERMINAL BOARD ASS'Y	1	CWA28K1080J	CWA28K1080J	CWA28K1080J	
46	PARTICULAR PLATE COMPLETE	1	-	-	-	
47	TERMINAL BOARD ASS'Y	1	-	-	-	
48	TERMINAL BOARD ASS'Y	1	-	-	-	
49	ELECTRONIC CONTROLLER-	1	CWA73C4043	CWA73C4044	CWA73C4045	



	COMPLETE(MAIN))					
50	CABINET REAR PLATE-COMPLETE	1	CWE02C1045	CWE02C1045	CWE02C1045	
51	L-SHAPED PLATE	1	CWD601123A	CWD601123A	CWD601123A	
52	REACTOR	2	G0C123J00005	G0C123J00005	G0C123J00005	
53	PARTICULAR PLATE-A'SSY	1	CWD90K1030	CWD90K1030	CWD90K1030	
54	LEAD WIRE-COMPLETE	1	CWA67C8373	CWA67C8373	CWA67C8373	
55	TERMINAL COVER	1	CWH171032	CWH171032	CWH171032	
56	NUT	1	CW7080300J	CW7080300J	CW7080300J	
57A	SOUND PROOF MATERIAL	1	CWG302420	CWG302420	CWG302420	
57	SOUND PROOF MATERIAL	1	CWG302421	CWG302421	CWG302421	
58	FAN MOTOR BRACKET ASS'Y	1	CWD54K1032	CWD54K1032	CWD54K1032	
59	MOTOR (MEDIUM DC)	2	CWEHDS83AAC	CWEHDS83AAC	CWEHDS83AAC	
60	FAN ASSY	2	CWH03K1041	CWH03K1041	CWH03K1041	
61	NUT	2	CWH561051	CWH561051	CWH561051	
62	CABINET FRONT PLATE	1	CWE061135A	CWE061135A	CWE061135A	
63	HANDLE	3	CWE161008	CWE161008	CWE161008	
64	DISCHARGE GRILLE	2	CWE201088	CWE201088	CWE201088	
65	CABINET SIDE PLATE	1	CWE041235A	CWE041235A	CWE041235A	
66	WIRE NET.RESIN NET	1	CWD041107A	CWD041107A	CWD041107A	
67	WIRE NET.RESIN NET	1	CWD041108A	CWD041108A	CWD041108A	
68	CABINET TOP PLATE-COMPLETE	1	CWE03C1046	CWE03C1046	CWE03C1046	
69	ACCESSORY-COMPLETE	1	CWH82C1733	CWH82C1733	CWH82C1733	
70	L-SHAPED PLATE	1	CWD601187A	CWD601187A	CWD601187A	
71	CABINET FRONT PLATE-COMPLETE	1	CWE06C1197	CWE06C1197	CWE06C1197	
	INSTALLATION INSTRUCTION	1	CWF614383	CWF614383	CWF614383	

REF. NO.	PART NAME & DESCRIPTION	QTY	U-4LA1E5	U-5LA1E5	U-6LA1E5	REMARK
1	BASE PAN ASS'Y	1	CWD52K1164A	CWD52K1164A	CWD52K1164A	
2	COMPRESSOR	1	CWB092390	CWB092390	CWB092390	
3	ANTI-VIBRATION BUSHING	3	CWH50055	CWH50055	CWH50055	
4	NUT	3	CWH561049	CWH561049	CWH561049	
5	PARTICULAR PLATE	1	CWD911471	CWD911471	CWD911471	
6	HEATER	1	CWA341037	CWA341037	CWA341037	
7	FIN & TUBE CONDENSER COMPLETE	1	CWB32C2896	CWB32C2887	CWB32C2887	
8	MANIFOLD TUBE ASS'Y	1	CWT07K1348	CWT07K1520	CWT07K1520	
9	SOUND-PROOF BOARD ASS'Y	1	CWH15K1025	CWH15K1025	CWH15K1025	
10	ACCUMULATOR	1	CWB131039	CWB131039	CWB131039	
11	OIL SEPARATER	1	CWB161008	CWB161008	CWB161008	
12	TUBE ASS'Y	1	CWT024421	CWT024421	CWT024421	
13	PRESSURE SWITCH	1	CWA101019	CWA101019	CWA101019	
14	4-WAYS VALVE COMPLETE	1	CWB00C1038	CWB00C1038	CWB00C1038	
15	PRESSURE SWITCH	1	CWA101013	CWA101013	CWA101013	
16	4-WAYS VALVE	1	CWB001046	CWB001046	CWB001046	
17	V-COIL COMPLETE	1	CWA43C2269	CWA43C2269	CWA43C2269	
18	3-WAYS VALVE	1	CWB011251	CWB011251	CWB011251	
19	TUBE ASS'Y	1	CWT024424	CWT024424	CWT024424	
20	3-WAYS VALVE	1	CWB011292	CWB011292	CWB011292	
21	STRAINER	1	CWB111041	CWB111041	CWB111041	
22	2-WAYS VALVE	1	CWB021389	CWB021389	CWB021389	
23	V-COIL COMPLETE	1	CWA43C2296	CWA43C2296	CWA43C2296	
24	RECEIVER	1	CWB141035	CWB141035	CWB141035	
25	TUBE ASS'Y	1	CWT025274	CWT026846	CWT026846	
26	2-WAYS VALVE	1	CWB021389	CWB021389	CWB021389	
27	V-COIL COMPLETE	1	CWA43C2268	CWA43C2268	CWA43C2268	
28	DISCHARGE MUFFLER	1	CWB121024	CWB121024	CWB121024	
29	TUBE ASS'Y	1	CWT026848	CWT026847	CWT026847	
30	EXPANTION VALVE	1	CWB051020J	CWB051020J	CWB051020J	
31	V-COIL COMPLETE	1	CWA43C2375	CWA43C2375	CWA43C2375	
32	STRAINER	1	CWB111045	CWB111045	CWB111045	
33	CHECK VALVE	1	CWB031049	CWB031049	CWB031049	
34	PLATE SPRING	4	CWH711010	CWH711010	CWH711010	
35	SENSOR-COMPLETE	1	CWA50C2416	CWA50C2416	CWA50C2416	
36	SENSOR-COMPLETE	1	CWA50C2417	CWA50C2417	CWA50C2417	
37	SENSOR-COMPLETE	1	CWA50C2418	CWA50C2418	CWA50C2418	
38	CONTROL BOARD A'SSY	1	CWH10K1111	CWH10K1111	CWH10K1111	
39	FUSE HOLDER	1	K3GB1YH00004	K3GB1YH00004	K3GB1YH00004	
40	FUSE	1	K5D503YYA057	K5D503YYA057	K5D503YYA057	
41	CONTROL BOARD A'SSY	1	CWH10K1112	CWH10K1112	CWH10K1112	
42	ELECTRONIC CONTROLLER(NOISE FILTER)	1	CWA745706	CWA745706	CWA745706	
43	ELECTRONIC CONTROLLER(CONDENSER)	1	CWA744604	CWA744604	CWA744604	
44	TERMINAL BOARD ASS'Y	1	CWA28K1085J	CWA28K1085J	CWA28K1085J	
45	TERMINAL BOARD ASS'Y	1	CWA28K1080J	CWA28K1080J	CWA28K1080J	
46	PARTICULAR PLATE COMPLETE	1	CWD91C0140	CWD91C0140	CWD91C0140	
47	TERMINAL BOARD ASS'Y	1	CWA28K1208	CWA28K1208	CWA28K1208	
48	TERMINAL BOARD ASS'Y	1	CWA28K1209	CWA28K1209	CWA28K1209	
49	ELECTRONIC CONTROLLER-	1	CWA73C4043	CWA73C4044	CWA73C4045	

	COMPLETE(MAIN))					
50	CABINET REAR PLATE-COMPLETE	1	CWE02C1045	CWE02C1045	CWE02C1045	
51	L-SHAPED PLATE	1	CWD601123A	CWD601123A	CWD601123A	
52	REACTOR	2	G0C123J00005	G0C123J00005	G0C123J00005	
53	PARTICULAR PLATE-A'SSY	1	CWD90K1030	CWD90K1030	CWD90K1030	
54	LEAD WIRE-COMPLETE	1	CWA67C8373	CWA67C8373	CWA67C8373	
55	TERMINAL COVER	1	CWH171032	CWH171032	CWH171032	
56	NUT	1	CW7080300J	CW7080300J	CW7080300J	
57A	SOUND PROOF MATERIAL	1	CWG302421	CWG302421	CWG302421	
57	SOUND PROOF MATERIAL	1	CWG302420	CWG302420	CWG302420	
58	FAN MOTOR BRACKET ASS'Y	1	CWD54K1032	CWD54K1032	CWD54K1032	
59	MOTOR (MEDIUM DC)	2	CWEHDS83AAC	CWEHDS83AAC	CWEHDS83AAC	
60	FAN ASSY	2	CWH03K1041	CWH03K1041	CWH03K1041	
61	NUT	2	CWH561051	CWH561051	CWH561051	
62	CABINET FRONT PLATE	1	CWE061135A	CWE061135A	CWE061135A	
63	HANDLE	3	CWE161008	CWE161008	CWE161008	
64	DISCHARGE GRILLE	2	CWE201088	CWE201088	CWE201088	
65	CABINET SIDE PLATE	1	CWE041235A	CWE041235A	CWE041235A	
66	WIRE NET.RESIN NET	1	CWD041107A	CWD041107A	CWD041107A	
67	WIRE NET.RESIN NET	1	CWD041108A	CWD041108A	CWD041108A	
68	CABINET TOP PLATE-COMPLETE	1	CWE03C1046	CWE03C1046	CWE03C1046	
69	ACCESSORY-COMPLETE	1	CWH82C1733	CWH82C1733	CWH82C1733	
70	L-SHAPED PLATE	1	CWD601187A	CWD601187A	CWD601187A	
71	CABINET FRONT PLATE-COMPLETE	1	CWE06C1197	CWE06C1197	CWE06C1197	
	INSTALLATION INSTRUCTION	1	CWF614114	CWF614114	CWF614114	