



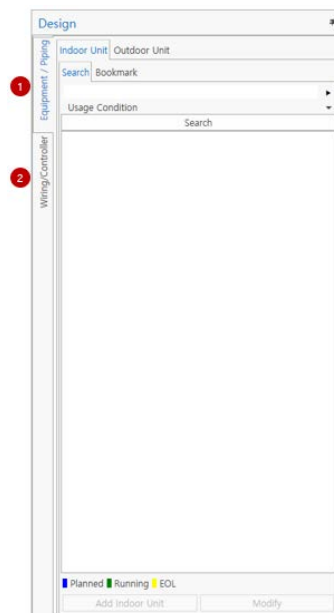
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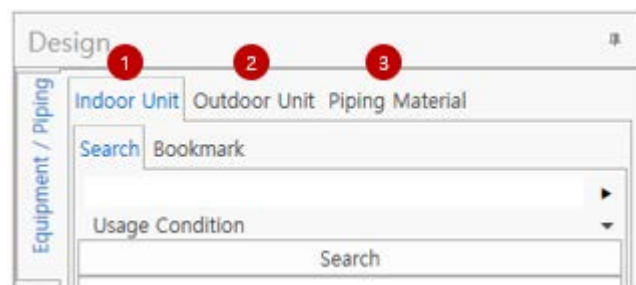
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## 1. Design Tab



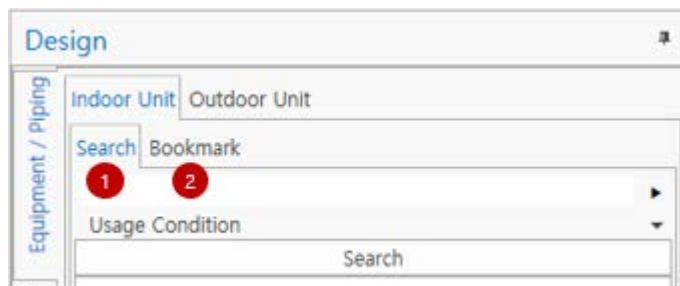
- ① Equipment/Piping : Select when designing your equipment / piping.
- ② Wiring/Control : Select when designing a wiring / control.

### 1.1. Equipment/Piping



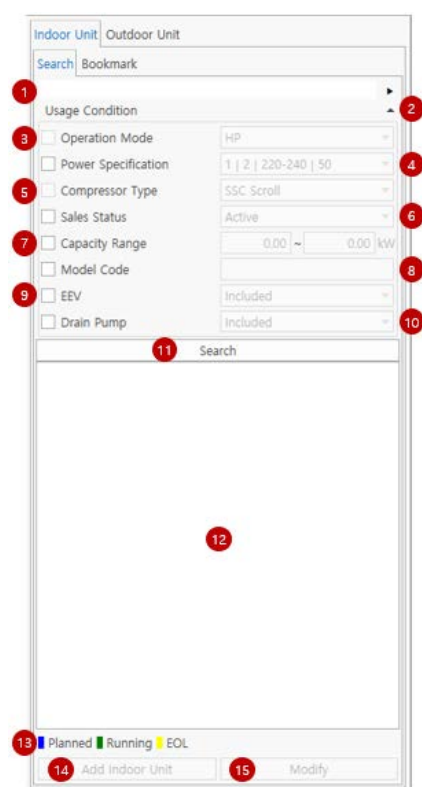
- ① Indoor unit : Select when placing an indoor unit.
- ② Outdoor unit : Select when placing an outdoor unit.
- ③ Piping Material : Select when placing piping materials.

### 1.1.1. Indoor Unit



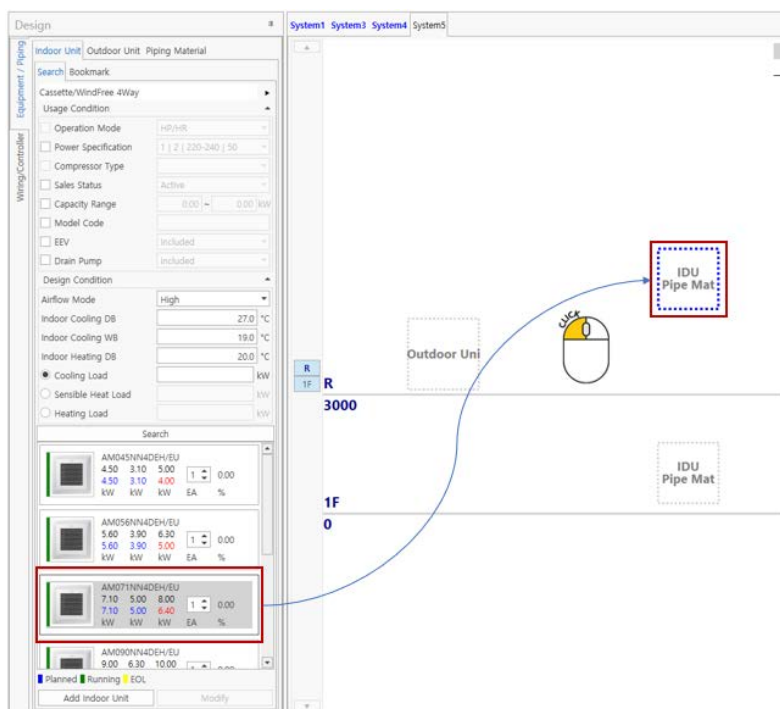
- ① Search : Select when searching for indoor units.
- ② Bookmark : Select when selecting an indoor unit saved in bookmark.

#### 1.1.1.1. Search

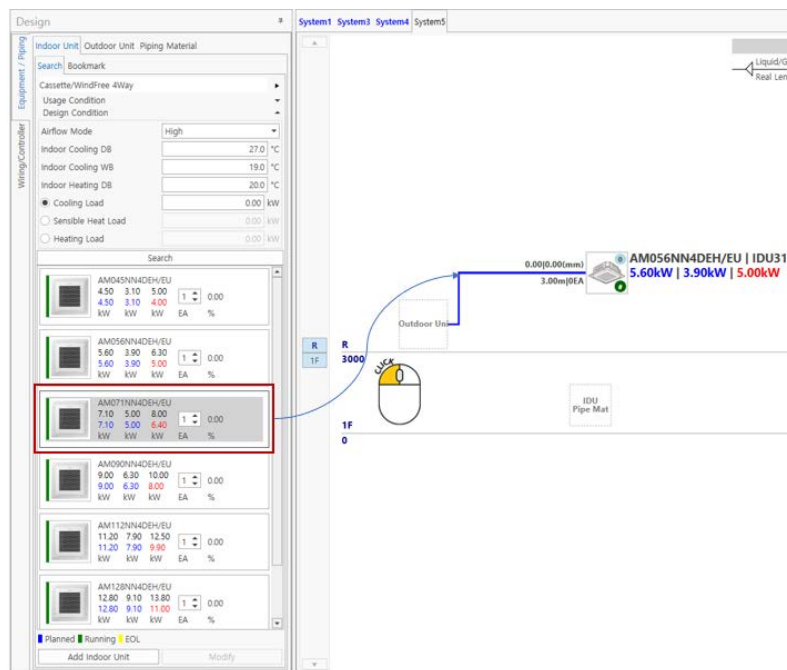


- ① Model Hierarchy : Set model hierarchy to search.
- ② Usage Condition : Select when setting the usage condition.
- ③ Operation Mode : Select the operation mode when using it as a search condition.
- ④ Power Specification : Select the power specification when using it as a search condition.
- ⑤ Compressor Type : Select a compressor type when using it as a search condition.
- ⑥ Sales Status : Select sales status when using it as a search condition.

- ⑦ Capacity Range : Enter the capacity range when used as a search condition.
- ⑧ Model Code : Enter the model code when using it as a search condition.
- ⑨ EEV : Select whether to include EEV when used as a search condition.
- ⑩ Drain Pump : Select whether to include a drain pump when using it as a search condition.
- ⑪ Search : Search for products based on the input conditions of ①~⑩.
- ⑫ Model List : A list of models corresponding to the condition is displayed. Select the desired model and drag it to the indoor unit dummy or pipe in the design view to place the equipment.

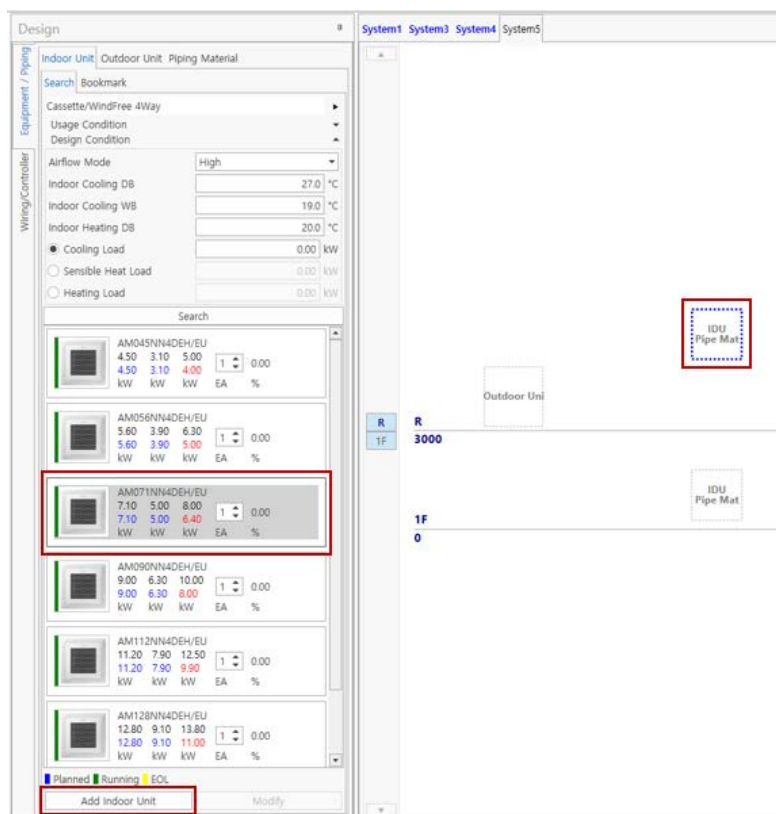


Placed on the indoor unit dummy



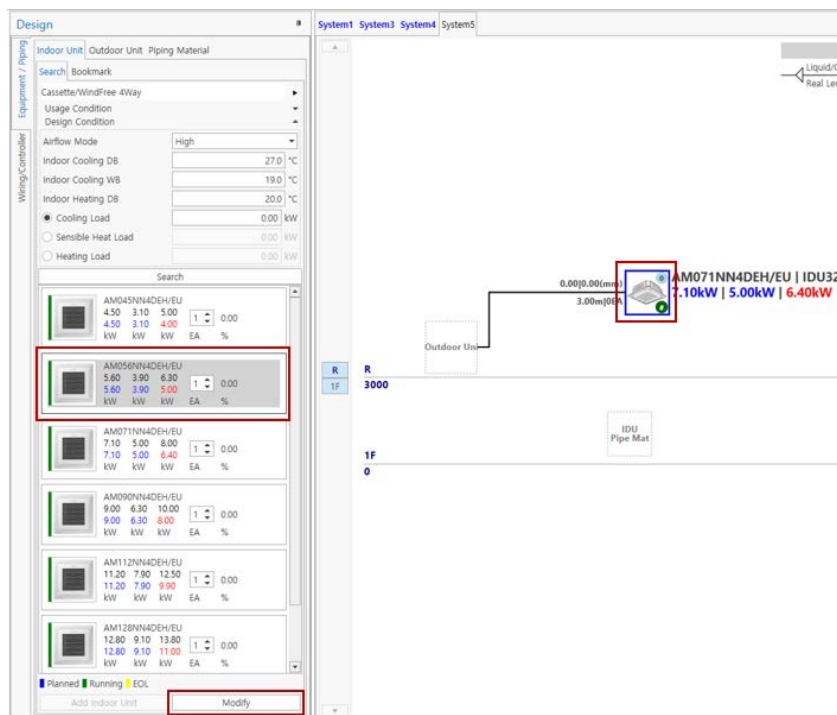
Placed on piping

- ⑬ Operation Information Legend : The color legend of the searched indoor unit operation information is displayed.
- ⑭ Add Indoor Unit : Select the indoor unit in the model list and the location to be placed in the design view and click the Add indoor unit button.





- ⑮ **Modify** : Select the indoor unit in the model list and the indoor unit to change the model in the design view and click the Modify button.



### 1.1.1.1.1. VRF General Indoor Unit

#### 1.1.1.1.1.1. Design Condition

Indoor Unit Outdoor Unit Piping Material

Search Bookmark

Cassette/WindFree 4Way

Usage Condition

Operation Mode HP/HR

Power Specification 1 | 2 | 220-240 | 50

Compressor Type

Sales Status Active

Capacity Range 0.00 ~ 0.00 kW

Model Code

EEV Included

Drain Pump Included

Design Condition

Airflow Mode High

Indoor Cooling DB 27.0 °C

Indoor Cooling WB 19.0 °C

Indoor Heating DB 20.0 °C

Cooling Load 0.00 kW

Sensible Heat Load 0.00 kW

Heating Load 0.00 kW

Search

AMD45NN4DEH/EU  
4.50 3.10 5.00  
4.50 3.10 4.00  
kW kW kW EA %

AMD56NN4DEH/EU  
5.60 3.90 6.30  
5.60 3.90 5.00  
kW kW kW EA %

AMD71NN4DEH/EU  
7.10 5.00 8.00  
7.10 5.00 6.40  
kW kW kW EA %

AMD90NN4DEH/EU  
9.00 6.30 10.00  
9.00 6.30 8.00  
kW kW kW EA %

Planned Running EOL

Add Indoor Unit Modify

- ① Model Hierarchy : Select the model hierarchy to search.
- ② Design Condition : When the path is selected, the design condition is displayed, and it is selected when setting the design condition.
- ③ Airflow Mode : Select to change the airflow mode.
- ④ Indoor Cooling DB : Enter to change the indoor cooling DB (dry bulb temperature).
- ⑤ Indoor Cooling WB : Enter to change the indoor cooling WB (wet bulb temperature).
- ⑥ Indoor Heating DB : Enter to change the indoor heating DB (dry bulb temperature).
- ⑦ Cooling Load : Select and enter in the case of cooling load as a standard.
- ⑧ Sensible Heat Load : Select and input when using sensible heat load as a standard.
- ⑨ Heating Load : Enter after selecting in the case of heating load as a standard.

#### 1.1.1.1.2. Indoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ Rated Cooling Heat Transfer : Displays the rated cooling heat transfer ability. The description is expressed as a tool tip.
- ⑥ Rated Sensible Cooling : Displays the rated sensible cooling capacity. The description is expressed as a tool tip.
- ⑦ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.
- ⑧ Cooling Capacity(Correction) : Displays the corrected cooling capacity(correction) ability. The description is expressed as a tool tip.
- ⑨ Sensible Heating Capacity(Correction) : Displays the sensible heating capacity(correction) ability. The description is expressed as a tool tip.
- ⑩ Heating Capacity(Correction) : Displays the heating capacity(correction) ability. The description is expressed as a tool tip.
- ⑪ Indoor Units Qty : Display or modify Indoor Units Qty. The description is expressed as a tool tip.
- ⑫ Load Profile : Displays the load profile according to the cooling load, sensible heat load, and heating load entered in the design conditions. The description is expressed as a tool tip.

### 1.1.1.1.2. VRF Hydro HE

#### 1.1.1.1.2.1. Design Condition

Indoor Unit Outdoor Unit Piping Material

Search Bookmark

Hydro unit/High Efficiency (HE) - 50°C

Usage Condition

☐ Operation Mode HP/HR

☐ Power Specification 1 | 2 | 220-240 | 50

☐ Compressor Type

☐ Sales Status Active

☐ Capacity Range 0.00 ~ 0.00 kW

☐ Model Code

☐ EEV Included

☐ Drain Pump Included

Design Condition

Cooling LWT 7.0 °C

Heating LWT 45.0 °C

☒ ΔT (Entering Water and Leaving Water) 5.0 °C

☐ Flow Rate LPM

☒ Cooling Load 0.00 kW

☐ Heating Load 0.00 kW

Search

AM160FNBDEH/EU  
14.00 16.00 12.0  
11.04 12.30 40.0  
kW kW °C EA %

AM320FNBDEH/EU  
28.00 31.50 12.0  
22.82 27.00 40.0  
kW kW °C EA %

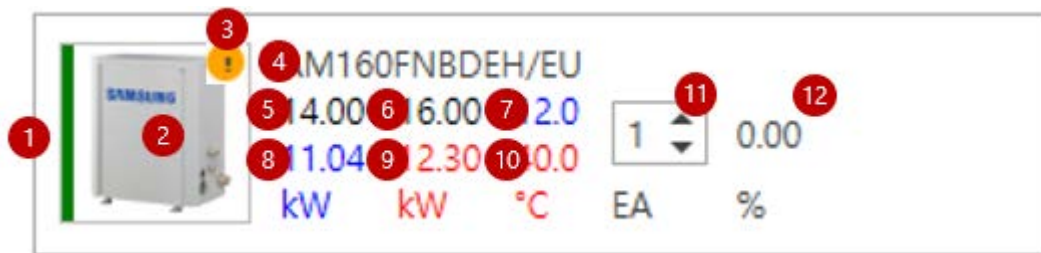
AM500FNBDEH/EU  
44.80 50.40 12.0  
35.40 38.60 40.0  
kW kW °C EA %

Planned Running EOL

Add Indoor Unit Modify

- ① Model Hierarchy : Select the model hierarchy to search.
- ② Design Condition : When the path is selected, the design condition is displayed, and it is selected when setting the design condition.
- ③ Cooling LWT : Input when changing the cooling LWT.
- ④ Heating LWT : Input when changing the heating LWT.
- ⑤ ΔT (Entering Water and Leaving Water) : Select and enter in the case of the ΔT (Entering Water and Leaving Water) as a standard.
- ⑥ Flow Rate : Input after selection in case of flow rate as a standard.
- ⑦ Cooling Load : Select and enter in the case of cooling load as a standard.
- ⑧ Heating Load : Enter after selecting in the case of heating load as a standard.

#### 1.1.1.1.2.2. Indoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ Rated Cooling Heat Transfer : Displays the rated cooling heat transfer ability. The description is expressed as a tool tip.
- ⑥ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.
- ⑦ Cooling EWT : Displays the cooling EWT. The description is expressed as a tool tip.
- ⑧ Cooling Capacity(Correction) : Displays the corrected cooling capacity(correction) ability. The description is expressed as a tool tip.
- ⑨ Heating Capacity(Correction) : Displays the heating capacity(correction) ability. The description is expressed as a tool tip.
- ⑩ Heating EWT : Displays the heating EWT. The description is expressed as a tool tip.
- ⑪ Indoor Units Qty: Display or modify Indoor Units Qty. The description is expressed as a tool tip.
- ⑫ Load Profile : Displays the load profile according to the cooling load, sensible heat load, and heating load entered in the design conditions. The description is expressed as a tool tip.

### 1.1.1.1.3. VRF Hydro HT

#### 1.1.1.1.3.1. Design Condition

The screenshot shows the 'Indoor Unit' tab of a software interface. At the top, there are tabs for 'Indoor Unit', 'Outdoor Unit', and 'Piping Material'. Below these is a 'Search' section with a dropdown menu showing 'Hydro unit/High Temperature (HT) - 80°C' (marked with a red circle 1). Below the search section is a 'Usage Condition' section with several checkboxes and dropdown menus. A red circle 2 points to the 'Design Condition' section. In this section, 'Heating LWT' is set to 45.0 °C (marked with a red circle 3). Below it, the 'ΔT (Entering Water and Leaving Water)' radio button is selected (marked with a red circle 4), and its value is 5.0 °C (marked with a red circle 5). Below that, the 'Flow Rate' radio button is unselected. At the bottom of the 'Design Condition' section, the 'Heating Load' is set to 0.00 kW (marked with a red circle 6). Below the 'Design Condition' section is a 'Search' section with a list of four indoor unit models: AM160FNBFE8/EU, AM160FNBFG8/EU, AM250FNBFE8/EU, and AM250FNBFG8/EU. Each model entry shows its capacity (16.00 or 25.00 kW), LWT (40.0 °C), and other specifications. At the bottom of the interface, there are buttons for 'Add Indoor Unit' and 'Modify'.

- ① Model Hierarchy : Select the model hierarchy to search.
- ② Design Condition : When the path is selected, the design condition is displayed, and it is selected when setting the design condition.
- ③ Heating LWT : Input when changing the heating LWT.
- ④ ΔT (Entering Water and Leaving Water) : Select and enter in the case of the ΔT (Entering Water and Leaving Water) as a standard.
- ⑤ Flow Rate : Input after selection in case of flow rate as a standard.
- ⑥ Heating Load : Enter after selecting in the case of heating load as a standard.

#### 1.1.1.1.3.2. Indoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.
- ⑥ Heating Capacity(Correction) : Displays the heating capacity(correction) ability. The description is expressed as a tool tip.
- ⑦ Heating EWT : Displays the heating EWT. The description is expressed as a tool tip.
- ⑧ Indoor Units Qty : Display or modify Indoor Units Qty. The description is expressed as a tool tip.
- ⑨ Load Profile : Displays the load profile according to the cooling load, sensible heat load, and heating load entered in the design conditions. The description is expressed as a tool tip.

#### 1.1.1.1.4. VRF OAP Duct

##### 1.1.1.1.4.1. Design Condition

The screenshot shows the 'Indoor Unit' tab of a software interface for VRF OAP Duct. The 'Design Condition' section is expanded, showing various input fields and checkboxes. Red numbered callouts (1-12) point to specific elements: 1 points to the 'Ventilation/Outside Air Processing (OAP)' dropdown; 2 points to the 'Design Condition' section header; 3 points to the 'Airflow Mode' dropdown; 4 points to the 'Cooling Discharge Temperature' input field; 5 points to the 'Heating Discharge Temperature' input field; 6 points to the 'Required Ventilation Volume' input field; 7 points to the 'Time' checkbox; 8 points to the 'Ventilation Rate per Hour' input field; 9 points to the 'Room Volume' input field; 10 points to the 'Personnel' checkbox; 11 points to the 'Ventilation Rate per Person' input field; and 12 points to the 'Occupants' input field. Below the design condition section is a search results table with two entries for AM072JINESCH/AA and AM096JINESCH/AA models, showing various performance metrics.

Model	21.10	9.61	13.77	28	1	0.00
AM072JINESCH/AA	6.57	4.78	15.01	CMM	EA	%

Model	28.13	12.75	17.29	35	1	0.00
AM096JINESCH/AA	8.73	6.36	18.69	CMM	EA	%

Legend: ■ Planned ■ Running ■ EOL

Buttons: Add Indoor Unit, Modify

- ① Model Hierarchy : Select the model hierarchy to search.
- ② Design Condition : When the path is selected, the design condition is displayed, and it is selected when setting the design condition.
- ③ Airflow Mode : Select to change the airflow mode.
- ④ Cooling Discharge Temperature : Input when changing the cooling discharge temperature.
- ⑤ Heating Discharge Temperature : Input when changing the heating discharge temperature.
- ⑥ Required Ventilation Volume : Input when changing the required ventilation volume.
- ⑦ Time : Select when applying the ventilation rate per hour and room volume.
- ⑧ Ventilation Rate Per Hour : Input when changing the ventilation rate per hour.
- ⑨ Room Volume : Input when changing the room volume.
- ⑩ Personnel : Select when applying ventilation rate per person and number of occupants.
- ⑪ Ventilation Rate Per Person : Enter when changing the ventilation rate per person.



- ⑫ Occupants: Enter when changing the Occupants.

#### 1.1.1.1.4.2. Indoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ 정격 Rated Cooling Heat Transfer : Displays the rated cooling heat transfer ability. The description is expressed as a tool tip.
- ⑥ Rated Sensible Cooling : Displays the rated sensible cooling capacity. The description is expressed as a tool tip.
- ⑦ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.
- ⑧ Cooling Capacity(Correction) : Displays the corrected cooling capacity(correction) ability. The description is expressed as a tool tip.
- ⑨ Sensible Heating Capacity(Correction) : Displays the sensible heating capacity(correction) ability. The description is expressed as a tool tip.
- ⑩ Heating Capacity(Correction) : Displays the heating capacity(correction) ability. The description is expressed as a tool tip.
- ⑪ Rated Airflow (High) : Displays the rated airflow (High) The description is expressed as a tool tip.
- ⑫ Indoor Units Qty: Display or modify Indoor Units Qty. The description is expressed as a tool tip.
- ⑬ Load Profile : Displays the load profile according to the cooling load, sensible heat load, and heating load entered in the design conditions. The description is expressed as a tool tip.

### 1.1.1.1.5. VRF Multi Position AHU

#### 1.1.1.1.5.1. Design Condition

The screenshot shows the 'Design Condition' tab for a VRF Multi Position AHU. The interface includes a search bar at the top, a list of usage conditions, and a detailed design condition section. Red circles with numbers 1 through 9 point to specific elements: 1 points to the 'Multi Position AHU/Multi Position AHU' selection; 2 points to the 'Design Condition' tab; 3 points to the 'Airflow Mode' dropdown; 4 points to the 'Indoor Cooling DB' input field; 5 points to the 'Indoor Cooling WB' input field; 6 points to the 'Indoor Heating DB' input field; 7 points to the 'Cooling Load' radio button; 8 points to the 'Sensible Heat Load' radio button; and 9 points to the 'Heating Load' radio button. Below the design condition section is a search results table showing various AHU models and their specifications.

Model	3.52	0.00	3.96	1	0.00
	kW	kW	kW	EA	%
AM012JNZDCH/AA	3.52	0.00	3.96	1	0.00
AM012TNZDCH/AA	3.52	0.00	3.96	1	0.00
AM018JNZDCH/AA	5.28	0.00	6.45	1	0.00
AM018TNZDCH/AA	5.28	0.00	6.45	1	0.00

- ① Model Hierarchy : Select the model hierarchy to search.
- ② Design Condition : When the path is selected, the design condition is displayed, and it is selected when setting the design condition.
- ③ Airflow Mode : Select to change the airflow mode.
- ④ Indoor Cooling DB : Enter to change the indoor cooling DB (dry bulb temperature).
- ⑤ Indoor Cooling WB : Enter to change the indoor cooling WB (wet bulb temperature).
- ⑥ Indoor Heating DB : Enter to change the indoor heating DB (dry bulb temperature).
- ⑦ Cooling Load : Select and enter in the case of cooling load as a standard.
- ⑧ Sensible Heat Load : Select and input when using sensible heat load as a standard.
- ⑨ Heating Load : Enter after selecting in the case of heating load as a standard.

### 1.1.1.1.5.2. Indoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ Rated Cooling Heat Transfer : Displays the rated cooling heat transfer ability. The description is expressed as a tool tip.
- ⑥ Rated Sensible Cooling : Displays the rated sensible cooling capacity. The description is expressed as a tool tip.
- ⑦ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.
- ⑧ Cooling Capacity(Correction) : Displays the corrected cooling capacity(correction) ability. The description is expressed as a tool tip.
- ⑨ Sensible Heating Capacity(Correction) : Displays the sensible heating capacity(correction) ability. The description is expressed as a tool tip.
- ⑩ Heating Capacity(Correction) : Displays the heating capacity(correction) ability. The description is expressed as a tool tip.
- ⑪ Indoor Units Qty: Display or modify Indoor Units Qty. The description is expressed as a tool tip.
- ⑫ Load Profile : Displays the load profile according to the cooling load, sensible heat load, and heating load entered in the design conditions. The description is expressed as a tool tip.

### 1.1.1.1.6. Single General Indoor Unit

#### 1.1.1.1.6.1. Design Condition

Search				
	AC052MN4DKH/EU	5.00	4.10	6.00
		kW	kW	kW
	AC071JN4CEH/EU	7.10	5.70	8.00
		kW	kW	kW
	AC071MN4DKH/EU	7.10	5.25	8.00
		kW	kW	kW
	AC090MN4DKH/EU	9.00	7.38	10.00
		kW	kW	kW
	AC100JN4CEH/EU	10.00	8.00	11.20
		kW	kW	kW

■ Planned ■ Running ■ EOL

Add Indoor Unit      Modify

- ① Model Hierarchy : Select the model hierarchy to search.
- ② Design Condition : When the path is selected, the design condition is displayed, and it is selected when setting the design condition.
- ③ Cooling Load : Select and enter in the case of cooling load as a standard.
- ④ Sensible Heat Load : Select and input when using sensible heat load as a standard.
- ⑤ Heating Load : Enter after selecting in the case of heating load as a standard.

#### 1.1.1.1.6.2. Indoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ Rated Cooling Heat Transfer : Displays the rated cooling heat transfer ability. The description is expressed as a tool tip.
- ⑥ Rated Sensible Cooling : Displays the rated sensible cooling capacity. The description is expressed as a tool tip.
- ⑦ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.
- ⑧ Load Profile : Displays the load profile according to the cooling load, sensible heat load, and heating load entered in the design conditions. The description is expressed as a tool tip.

### 1.1.1.1.7. Single Multi Position AHU

#### 1.1.1.1.7.1. Design Condition

Indoor Unit Outdoor Unit

Search Bookmark

Multi Position AHU/Multi Position AHU

Usage Condition

☐ Operation Mode HP

☐ Power Specification 1 | 2 | 208-230 | 60

☐ Compressor Type

☐ Sales Status Active

☐ Capacity Range 0.00 ~ 0.00 kW

☐ Model Code

☐ EEV Included

☐ Drain Pump Included

Design Condition

☒ Cooling Load 0.00 kW

☐ Sensible Heat Load 0.00 kW

☐ Heating Load 0.00 kW

Installation Type Vertical placement

Search

AC018KNZDCH/AA	5.28	0.00	5.86	0.00
kW	kW	kW	%	

AC024KNZDCH/AA	7.03	0.00	7.91	0.00
kW	kW	kW	%	

AC030KNZDCH/AA	8.79	0.00	9.38	0.00
kW	kW	kW	%	

AC036KNZDCH/AA	10.55	0.00	11.72	0.00
kW	kW	kW	%	

AC042KNZDCH/AA				
kW	kW	kW	%	

Planned Running EOL

Add Indoor Unit Modify

- ① Model Hierarchy : Select the model hierarchy to search.
- ② Design Condition : When the path is selected, the design condition is displayed, and it is selected when setting the design condition.
- ③ Cooling Load : Select and enter in the case of cooling load as a standard.
- ④ Sensible Heat Load : Select and input when using sensible heat load as a standard.
- ⑤ Heating Load : Enter after selecting in the case of heating load as a standard.
- ⑥ Installation Type : Select when changing the installation type.

#### 1.1.1.1.7.2. Indoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ Rated Cooling Heat Transfer : Displays the rated cooling heat transfer ability. The description is expressed as a tool tip.
- ⑥ Rated Sensible Cooling : Displays the rated sensible cooling capacity. The description is expressed as a tool tip.
- ⑦ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.
- ⑧ Load Profile : Displays the load profile according to the cooling load, sensible heat load, and heating load entered in the design conditions. The description is expressed as a tool tip.

### 1.1.1.1.8. FJM Indoor Unit

#### 1.1.1.1.8.1. Design Condition

The screenshot shows a software interface for configuring an indoor unit. At the top, there are tabs for 'Indoor Unit' and 'Outdoor Unit'. Below the tabs is a 'Search' field and a 'Bookmark' button. A dropdown menu shows the selected path: 'Wall Mounted/Boracay/New Boracay', marked with a red circle and the number 1. Below this is a 'Usage Condition' section with several checkboxes and dropdown menus: 'Operation Mode' (HP), 'Power Specification' (1 | 2 | 220-240 | 50), 'Compressor Type', 'Sales Status' (Active), 'Capacity Range' (0.00 - 0.00 kW), 'Model Code', 'EEV' (included), and 'Drain Pump' (Included). Below the usage conditions is the 'Design Condition' section, marked with a red circle and the number 2. It contains three radio buttons: 'Cooling Load' (selected, marked with a red circle and the number 3), 'Sensible Heat Load' (marked with a red circle and the number 4), and 'Heating Load' (marked with a red circle and the number 5). Each radio button has a corresponding input field for power in kW. At the bottom of the form is a 'Search' field with a dropdown menu showing a list of models, including 'AR24RFXHFWKNEU'. Below the search field is a table with columns for 'kW', 'kW', 'kW', and '%'. At the very bottom, there are status indicators for 'Planned', 'Running', and 'EOL', and two buttons: 'Add Indoor Unit' and 'Modify'.

- ① Model Hierarchy : Select the model hierarchy to search.
- ② Design Condition : When the path is selected, the design condition is displayed, and it is selected when setting the design condition.
- ③ Cooling Load : Select and enter in the case of cooling load as a standard.
- ④ Sensible Heat Load : Select and input when using sensible heat load as a standard.
- ⑤ Heating Load : Enter after selecting in the case of heating load as a standard.



#### 1.1.1.1.8.2. Indoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ Rated Cooling Heat Transfer : Displays the rated cooling heat transfer ability. The description is expressed as a tool tip.
- ⑥ Rated Sensible Cooling : Displays the rated sensible cooling capacity. The description is expressed as a tool tip.
- ⑦ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.
- ⑧ Load Profile : Displays the load profile according to the cooling load, sensible heat load, and heating load entered in the design conditions. The description is expressed as a tool tip.
- ⑨ Installation Type : Select when changing the installation type.

### 1.1.1.1.9. Water FCU

#### 1.1.1.1.9.1. Design Condition

Indoor Unit Outdoor Unit

Search Bookmark

Water FCU/4Way

Usage Condition

☐ Operation Mode HP

☐ Power Specification 1 | 2 | 220-240 | 50/60

☐ Compressor Type

☐ Sales Status Active

☐ Capacity Range 0.00 ~ 0.00 kW

☐ Model Code

☐ EEV Included

☐ Drain Pump Included

Design Condition

Airflow Mode High

Indoor Cooling WB 19.0 °C

Indoor Heating DB 20.0 °C

Cooling EWT 7.0 °C

Heating EWT 45.0 °C

☒ ΔT (Entering Water and Leaving Water) 5.0 °C

☐ Flow Rate LPM

☒ Cooling Heat Transfer Load 0.00 kW

☐ Sensible Heat Load 0.00 kW

☐ Heating Heat Transfer Load 0.00 kW

Search

AG060MN4DKH/EU  
6.00 4.45 7.30 0.0 1 0.00  
6.31 4.68 7.00 0.0 1 0.00  
kW kW kW °C EA %

AG072MN4DKH/EU  
7.20 5.41 8.50 0.0 1 0.00  
7.44 5.17 9.00 0.0 1 0.00  
kW kW kW °C EA %

AG090MN4DKH/EU  
9.00 6.71 10.00 0.0 1 0.00

Planned Running EOL

Add Indoor Unit Modify

- ① Model Hierarchy : Select the model hierarchy to search.
- ② Design Condition : When the path is selected, the design condition is displayed, and it is selected when setting the design condition.
- ③ Airflow Mode : Select to change the airflow mode.
- ④ Indoor Cooling DB : Enter to change the indoor cooling DB (dry bulb temperature).
- ⑤ Indoor Heating DB : Enter to change the indoor heating DB (dry bulb temperature).
- ⑥ Cooling EWT : Input when changing the cooling EWT.
- ⑦ Heating EWT : Input when changing the heating EWT.
- ⑧ ΔT (Entering Water and Leaving Water) : Select and enter in the case of the ΔT (Entering Water and Leaving Water) as a standard.
- ⑨ Flow Rate : Input after selection in case of flow rate as a standard.
- ⑩ Cooling Heat Transfer Load : Select and enter in the case of cooling heat Transfer load as a standard.
- ⑪ Sensible Heat Load : Select and input when using sensible heat load as a standard.

- ⑫ Heating Heat Transfer Load : Enter after selecting in the case of heating heat transfer load as a standard.

#### 1.1.1.1.9.2. Indoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ Rated Cooling Heat Transfer : Displays the rated cooling heat transfer ability. The description is expressed as a tool tip.
- ⑥ Rated Sensible Cooling : Displays the rated sensible cooling capacity. The description is expressed as a tool tip.
- ⑦ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.
- ⑧ Cooling Capacity(Correction) : Displays the corrected cooling capacity(correction) ability. The description is expressed as a tool tip.
- ⑨ Sensible Heating Capacity(Correction) : Displays the sensible heating capacity(correction) ability. The description is expressed as a tool tip.
- ⑩ Heating Capacity(Correction) : Displays the heating capacity(correction) ability. The description is expressed as a tool tip.
- ⑪ Cooling LWT : Displays the cooling LWT. The description is expressed as a tool tip.
- ⑫ Heating LWT : Displays the heating LWT. The description is expressed as a tool tip.
- ⑬ Indoor Units Qty: Display or modify Indoor Units Qty. The description is expressed as a tool tip.
- ⑭ Load Profile : Displays the load profile according to the cooling load, sensible heat load, and heating load entered in the design conditions. The description is expressed as a tool tip.

### 1.1.1.1.10. EHS General Indoor Unit

#### 1.1.1.1.10.1. Design Condition

Indoor Unit Outdoor Unit Piping Material

Search Bookmark

TDM Plus/Wall Mounted

Usage Condition

☐ Operation Mode HP

☐ Power Specification 1 | 2 | 220-240 | 50

☐ Compressor Type

☐ Sales Status Active

☐ Capacity Range 0.00 ~ 0.00 kW

☐ Model Code

☐ EEV Included

☐ Drain Pump Included

Design Condition

Indoor Cooling WB 19.0 °C

Indoor Heating DB 20.0 °C

☒ Cooling Heat Transfer Load 0.00 kW

☐ Sensible Heat Load 0.00 kW

☐ Heating Heat Transfer Load 0.00 kW

Search

AE022MNADEH/EU  
2.20 1.50 2.50  
kW kW kW EA %  
1 0.00

AE022TNKDEH/EU  
2.20 1.50 2.50  
kW kW kW EA %  
1 0.00

AE028MNADEH/EU  
2.80 1.90 3.20  
kW kW kW EA %  
1 0.00

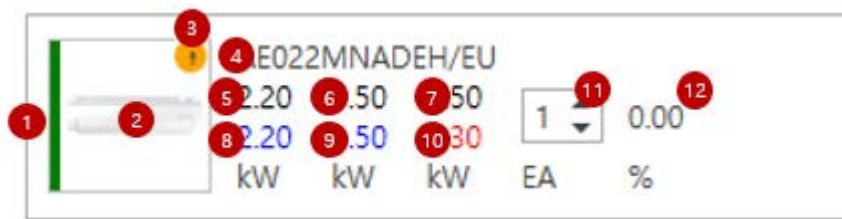
AE028TNKDEH/EU  
2.80 1.90 3.20  
kW kW kW EA %  
1 0.00

Planned Running EOL

Add Indoor Unit Modify

- ① Model Hierarchy : Select the model hierarchy to search.
- ② Design Condition : When the path is selected, the design condition is displayed, and it is selected when setting the design condition.
- ③ 실내 Indoor Cooling WB : Enter to change the indoor cooling WB (wet bulb temperature).
- ④ Indoor Heating DB : Enter to change the indoor heating DB (dry bulb temperature).
- ⑤ Cooling Heat Transfer Load : Select and enter in the case of cooling heat Transfer load as a standard.
- ⑥ Sensible Heat Load : Select and input when using sensible heat load as a standard.
- ⑦ Heating Heat Transfer Load : Enter after selecting in the case of heating heat transfer load as a standard.

### 1.1.1.10.2. Indoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ Rated Cooling Heat Transfer : Displays the rated cooling heat transfer ability. The description is expressed as a tool tip.
- ⑥ Rated Sensible Cooling : Displays the rated sensible cooling capacity. The description is expressed as a tool tip.
- ⑦ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.
- ⑧ Cooling Capacity(Correction) : Displays the corrected cooling capacity(correction) ability. The description is expressed as a tool tip.
- ⑨ Sensible Heating Capacity(Correction) : Displays the sensible heating capacity(correction) ability. The description is expressed as a tool tip.
- ⑩ Heating Capacity(Correction) : Displays the heating capacity(correction) ability. The description is expressed as a tool tip.
- ⑪ Indoor Units Qty: Display or modify Indoor Units Qty. The description is expressed as a tool tip.
- ⑫ Load Profile : Displays the load profile according to the cooling load, sensible heat load, and heating load entered in the design conditions. The description is expressed as a tool tip.

### 1.1.1.1.11. EHS Hydro

#### 1.1.1.1.11.1. Design Condition

Indoor Unit Outdoor Unit Piping Material

Search Bookmark

TDM Plus/Hydro Unit

Usage Condition

☐ Operation Mode HP

☐ Power Specification 1 | 2 | 220-240 | 50

☐ Compressor Type

☐ Sales Status Active







☐ Capacity Range 0.00 ~ 0.00 kW

☐ Model Code

☐ EEV Included

☐ Drain Pump Included

Search

	AE090MNYDEH/EU 0.00 0.00 kW kW
	AE090MNYDGH/EU 0.00 0.00 kW kW
	AE160MNYDEH/EU 0.00 0.00 kW kW
	AE160MNYDGH/EU 0.00 0.00 kW kW
	AE200TNWTEH/EU 0.00 0.00 kW kW
	AE260TNWTEH/EU 0.00 0.00 kW kW

Planned Running EOL

Add Indoor Unit Modify

- ① Model Hierarchy : Select the model hierarchy to search.

#### 1.1.1.1.11.2. Indoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.

- ⑤ Rated Cooling Heat Transfer : Displays the rated cooling heat transfer ability. The description is expressed as a tool tip.
- ⑥ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.

### 1.1.1.1.12. ERV

#### 1.1.1.1.12.1. Design Condition

The screenshot shows the 'Indoor Unit' configuration window. At the top, there is a 'Search' and 'Bookmark' section. Below it is the 'Energy Recovery Ventilation (ERV)/Energy Recovery Ventilator' section, which includes a 'Usage Condition' dropdown (marked with a red circle 1) and several checkboxes: 'Operation Mode', 'Power Specification', 'Compressor Type', 'Sales Status', 'Capacity Range', 'Model Code', 'EEV', and 'Drain Pump'. The 'Design Condition' section (marked with a red circle 2) contains a 'Required Ventilation Volume' input field (marked with a red circle 3) and a 'Time' checkbox (marked with a red circle 4). Below the 'Time' checkbox are three input fields: 'Ventilation Rate per Hour' (marked with a red circle 5), 'Room Volume' (marked with a red circle 6), and 'Personnel' (marked with a red circle 7). The 'Ventilation Rate per Person' input field (marked with a red circle 8) is located below the 'Personnel' checkbox. The 'Occupants' input field (marked with a red circle 9) is located below the 'Ventilation Rate per Person' field. At the bottom, there is a 'Search' section with three product listings: 'AN026/JSKLN/EU', 'AN035/JSKLN/EU', and 'AN050/JSKLN/EU'. Each listing shows a small image of the unit, its model number, and a table of specifications (CMM, CMM, CMM, EA, %). The 'Planned' status is indicated by a blue square, 'Running' by a green square, and 'EOL' by a yellow square. At the very bottom, there are 'Add Indoor Unit' and 'Modify' buttons.

- ① Model Hierarchy : Select the model hierarchy to search.
- ② Design Condition : When the path is selected, the design condition is displayed, and it is selected when setting the design condition.
- ③ Required Ventilation Volume : Input when changing the required ventilation volume.
- ④ Time : Select when applying the ventilation rate per hour and room volume.
- ⑤ Ventilation Rate Per Hour : Input when changing the ventilation rate per hour.
- ⑥ Room Volume : Input when changing the room volume.
- ⑦ Personnel : Select when applying ventilation rate per person and number of occupants.
- ⑧ Ventilation Rate Per Person : Enter when changing the ventilation rate per person.
- ⑨ Occupants: Enter when changing the Occupants.



#### 1.1.1.12.2. Indoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ Rated Airflow Turbo : Displays the rated airflow turbo. The description is expressed as a tool tip.
- ⑥ Rated Airflow High : Displays the rated airflow high. The description is expressed as a tool tip.
- ⑦ Rated Airflow Low : Displays the rated airflow low. The description is expressed as a tool tip.
- ⑧ Indoor Units Qty: Display or modify Indoor Units Qty. The description is expressed as a tool tip.
- ⑨ Load Profile : Displays the load profile according to the cooling load, sensible heat load, and heating load entered in the design conditions. The description is expressed as a tool tip.

#### **1.1.1.1.13. Split DOAS**

##### **1.1.1.1.13.1.Design Condition**

추후 작성

##### **1.1.1.1.13.2.Indoor Unit Information**

추후 작성

#### 1.1.1.1.14. Packaged DOAS

##### 1.1.1.1.14.1.Design Condition

Indoor Unit

Search | Bookmark

Packaged DOAS

Usage Condition

☐ Operation Mode

☐ Power Specification

☐ Compressor Type

☐ Sales Status: Active

☐ Capacity Range: 0.00 ~ 0.00 kW

☐ Model Code: Included

☐ EEV: Included

☐ Drain Pump: Included

Search

Packaged DOAS

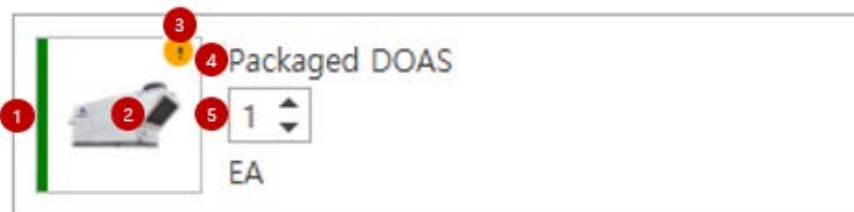
EA

Planned Running EOL

Add Indoor Unit Modify

- ① Model Hierarchy : Select the model hierarchy to search.

##### 1.1.1.1.14.2.Indoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ Indoor Units Qty: Display or modify Indoor Units Qty. The description is expressed as a tool tip.

### 1.1.1.1.15. User Equipment

#### 1.1.1.1.15.1. Design Condition

Indoor Unit Outdoor Unit

Search Bookmark

User Equipment/FCU

Usage Condition

☐ Operation Mode

☐ Power Specification

☐ Compressor Type

☐ Sales Status

☐ Capacity Range 0.00 ~ 0.00 kW

☐ Model Code

☐ EEV Included

☐ Drain Pump Included

2 Design Condition

☒ 3 Cooling Heat Transfer Load 0.00 kW

☐ 4 Sensible Heat Load 0.00 kW

☐ 5 Heating Heat Transfer Load 0.00 kW

Search

UserEquipment2

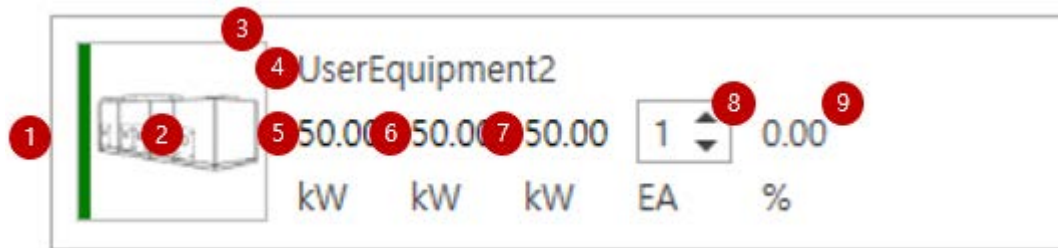
kW	kW	kW	EA	%
50.00	50.00	50.00	1	0.00

Planned Running EOL

Add Indoor Unit Modify

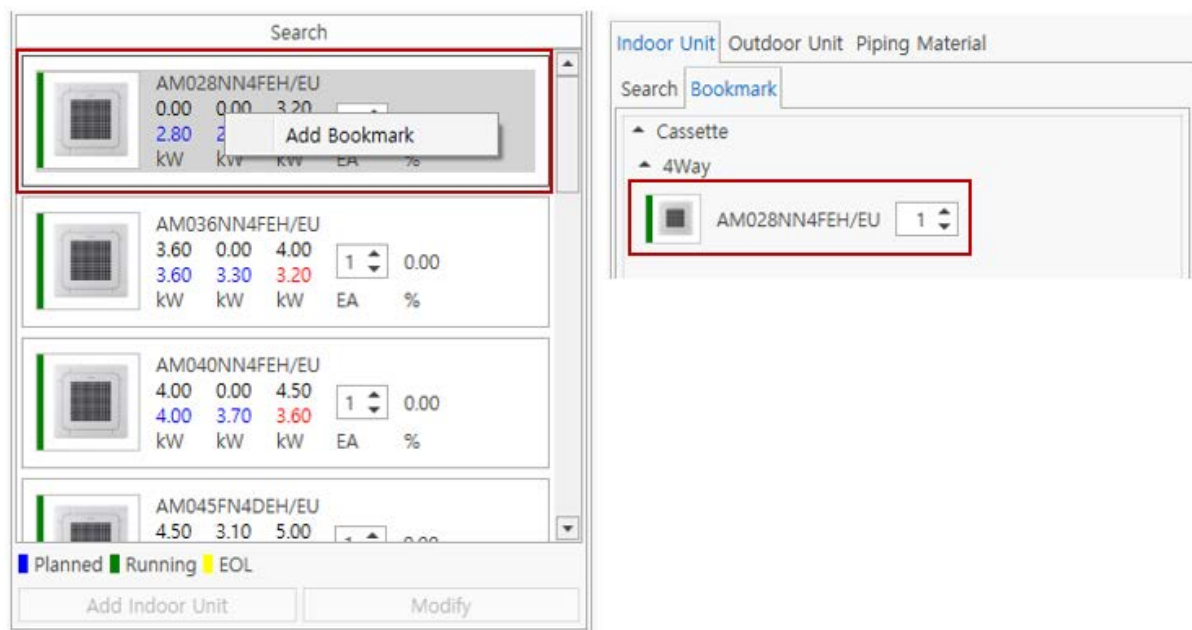
- ① Model Hierarchy : Select the model hierarchy to search.
- ② Design Condition : When the path is selected, the design condition is displayed, and it is selected when setting the design condition.
- ③ Cooling Heat Transfer Load : Select and enter in the case of cooling heat Transfer load as a standard.
- ④ Sensible Heat Load : Select and input when using sensible heat load as a standard.
- ⑤ Heating Heat Transfer Load : Enter after selecting in the case of heating heat transfer load as a standard.

#### 1.1.1.15.2. Indoor Unit Information



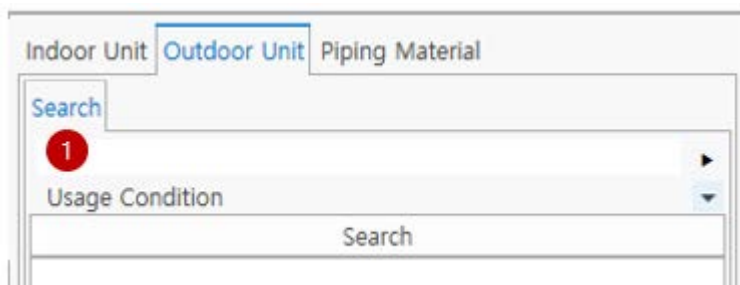
- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Model Code : Displays the model code. The description is expressed as a tool tip.
- ④ Rated Cooling Heat Transfer : Displays the rated cooling heat transfer ability. The description is expressed as a tool tip.
- ⑤ Rated Sensible Cooling : Displays the rated sensible cooling capacity. The description is expressed as a tool tip.
- ⑥ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.
- ⑦ Indoor Units Qty: Display or modify Indoor Units Qty. The description is expressed as a tool tip.
- ⑧ Load Profile : Displays the load profile according to the cooling load, sensible heat load, and heating load entered in the design conditions. The description is expressed as a tool tip.

### 1.1.1.2. Bookmark



After searching for an indoor unit, right-click on the product to add bookmark and select add bookmark. The indoor unit is added to the bookmark tab.

### 1.1.2. Outdoor Unit



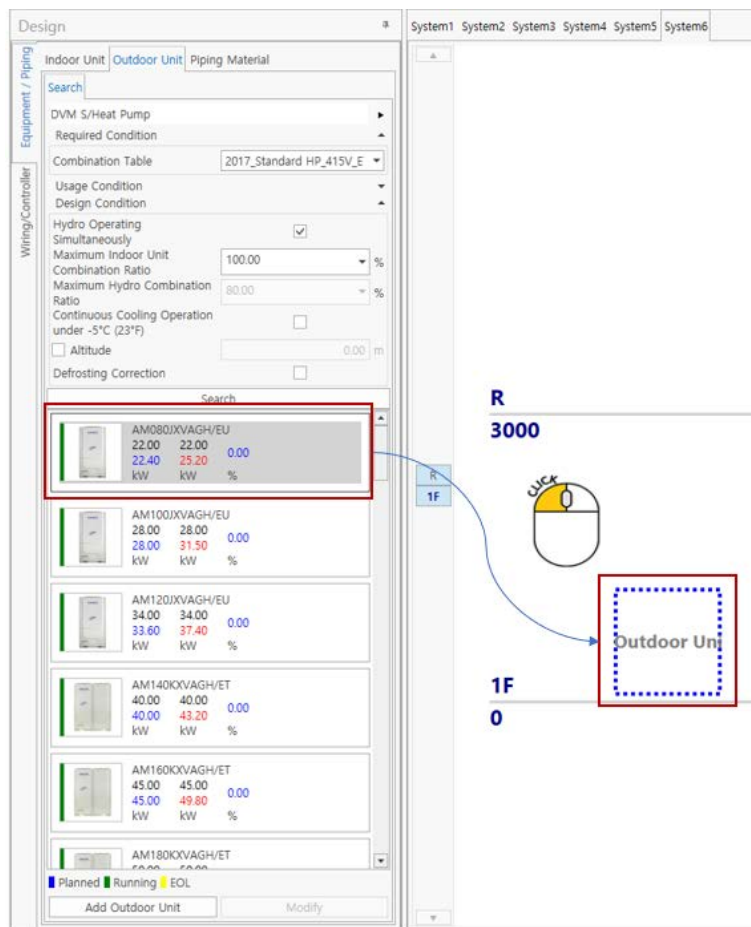
- ① Search: Select when searching for an outdoor unit.

### 1.1.2.1. Search

The screenshot shows a software interface for searching products. At the top, there are tabs for 'Indoor Unit', 'Outdoor Unit', and 'Piping Material'. Below these is a 'Search' button (1). The main area is divided into two columns. The left column contains a list of search criteria with checkboxes: 'Usage Condition' (2), 'Operation Mode' (3), 'Power Specification' (4), 'Compressor Type' (5), 'Sales Status' (6), 'Capacity Range' (7), 'Model Code' (8), 'EEV' (9), and 'Drain Pump' (10). The right column contains the corresponding input fields for each criterion. Below the search criteria is a large empty box labeled 'Search' (11). At the bottom, there is a status bar with 'Planned' (13), 'Running' (14), and 'EOL' (15) indicators, and two buttons: 'Add Outdoor Unit' (14) and 'Modify' (15).

- ① Model Hierarchy : Set model hierarchy to search.
- ② Usage Condition : Select when setting the usage condition.
- ③ Operation Mode : Select the operation mode when using it as a search condition.
- ④ Power Specification : Select the power specification when using it as a search condition.
- ⑤ Compressor Type : Select a compressor type when using it as a search condition.
- ⑥ Sales Status : Select sales status when using it as a search condition.
- ⑦ Capacity Range : Enter the capacity range when used as a search condition.
- ⑧ Model Code : Enter the model code when using it as a search condition.
- ⑨ EEV : Select whether to include EEV when used as a search condition.
- ⑩ Drain Pump : Select whether to include a drain pump when using it as a search condition.
- ⑪ Search : Search for products based on the input conditions of ①~⑩.

- ⑫ Model List : A list of models corresponding to the condition is displayed. Select the desired model and drag it to the indoor unit dummy or pipe in the design view to place the equipment.



Placed on the indoor unit dummy

- ⑬ Operation Information Legend : The color legend of the searched indoor unit operation information is displayed.



- ⑭ Add Outdoor Unit : Select the outdoor unit in the model list and the location to be placed in the design view and click the Add indoor unit button.

Design

System1 System2 System3 System4 System5 System6

Indoor Unit Outdoor Unit Piping Material

Search

DVM S/Heat Pump

Required Condition

Combination Table 2017\_Standard HP\_415V\_E

Usage Condition

Design Condition

Hydro Operating Simultaneously ☒

Maximum Indoor Unit 100.00 %

Combination Ratio

Maximum Hydro Combination Ratio 80.00 %

Continuous Cooling Operation under -5°C (23°F) ☐

Altitude 0.00 m

Defrosting Correction ☐

Search

AM080JXVAGH/EU	22.00	22.00	0.00
	22.40	25.20	
	kW	kW	%

AM100JXVAGH/EU	28.00	28.00	0.00
	28.00	31.50	
	kW	kW	%

AM120JXVAGH/EU	34.00	34.00	0.00
	33.60	37.40	
	kW	kW	%

AM140KXVAGH/ET	40.00	40.00	0.00
	40.00	43.20	
	kW	kW	%

AM160KXVAGH/ET	45.00	45.00	0.00
	45.00	49.80	
	kW	kW	%

AM180KXVAGH/ET	50.00	50.00	0.00
	50.00	54.60	
	kW	kW	%

Planned Running EOL

Add Outdoor Unit Modify

R 3000

R 1F

1F 0

Outdoor Unit

- ⑮ **Modify** : Select the outdoor unit in the model list and the outdoor unit to change the model in the design view and click the Modify button.

Design

System1 System2 System3 System4 System5 System6

Indoor Unit Outdoor Unit Piping Material

Search

DVM S/Heat Pump

Required Condition

Combination Table 2017\_Standard HP\_415V\_E

Usage Condition

Design Condition

Hydro Operating Simultaneously ☒

Maximum Indoor Unit Combination Ratio 100.00 %

Maximum Hydro Combination Ratio 80.00 %

Continuous Cooling Operation under -5°C (23°F) ☐

Altitude 0.00 m

Defrosting Correction ☐

Search

AM080JXVAGH/EU	22.00	22.00	0.00
	22.40	25.20	
	kW	kW	%

AM100JXVAGH/EU	28.00	28.00	0.00
	28.00	31.50	
	kW	kW	%

AM120JXVAGH/EU	34.00	34.00	0.00
	33.60	37.40	
	kW	kW	%

AM140KXVAGH/ET	40.00	40.00	0.00
	40.00	43.20	
	kW	kW	%

AM160KXVAGH/ET	45.00	45.00	0.00
	45.00	49.80	
	kW	kW	%

AM180KXVAGH/ET	50.00	50.00	0.00
	50.00	54.00	
	kW	kW	%

Planned Running EOL

Add Outdoor Unit

Modify


R

1F

System6

AM080JXVAGH/EU

22.40kW | 25.20kW



### 1.1.2.1.1. VRF General Outdoor Unit

#### 1.1.2.1.1.1. Design Condition

Indoor Unit Outdoor Unit Piping Material

Search

DVM S/Heat Pump

Required Condition

Combination Table 2017\_Standard HP\_415V\_E

Usage Condition

☐ Operation Mode HP

☐ Power Specification 3 | 4 | 380-415 | 50

☐ Compressor Type SSC Scroll

☐ Sales Status Active

☐ Capacity Range 0.00 ~ 0.00 kW

☐ Model Code

☐ EEV Included

☐ Drain Pump Included

Design Condition

☒ Hydro Operating Simultaneously

☐ Maximum Indoor Unit Combination Ratio 100.00 %

☐ Maximum Hydro Combination Ratio 80.00 %

☐ Continuous Cooling Operation under -5°C (23°F)

☐ Altitude 0.00 m

☐ Defrosting Correction

Search

Model	kW	kW	%
AM080JXVAGH/EU	22.00	22.00	0.00
AM100JXVAGH/EU	28.00	28.00	0.00
AM120JXVAGH/EU	34.00	34.00	0.00

Planned Running EOL

Add Outdoor Unit Modify

- ① Model Hierarchy : Select the model hierarchy to search.
- ② Design Condition : When the path is selected, the design condition is displayed, and it is selected when setting the design condition.
- ③ Hydro Operating Simultaneously : Select when setting simultaneous operation with hydro.
- ④ Maximum Indoor Unit Combination Ratio : Input when changing the maximum indoor unit combination ratio.
- ⑤ Maximum Hydro Combination Ratio : When changing the maximum hydro combination ratio, input it after deselecting hydro operating simultaneously.
- ⑥ Continuous Cooling Operation Under -5°C(23°F) : Select when setting continuous cooling operation under -5°C(23°F).
- ⑦ Altitude : Input it after selecting when setting altitude.
- ⑧ Defrosting Correction : Select when setting defrosting correction.

#### 1.1.2.1.1.2. Outdoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ Rated Cooling Heat Transfer : Displays the rated cooling heat transfer ability. The description is expressed as a tool tip.
- ⑥ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.
- ⑦ Cooling Capacity(Correction) : Displays the corrected cooling capacity(correction) ability. The description is expressed as a tool tip.
- ⑧ Heating Capacity(Correction) : Displays the heating capacity(correction) ability. The description is expressed as a tool tip.
- ⑨ Combination Ratio : Displays the system combination ratio. The description is expressed as a tool tip.

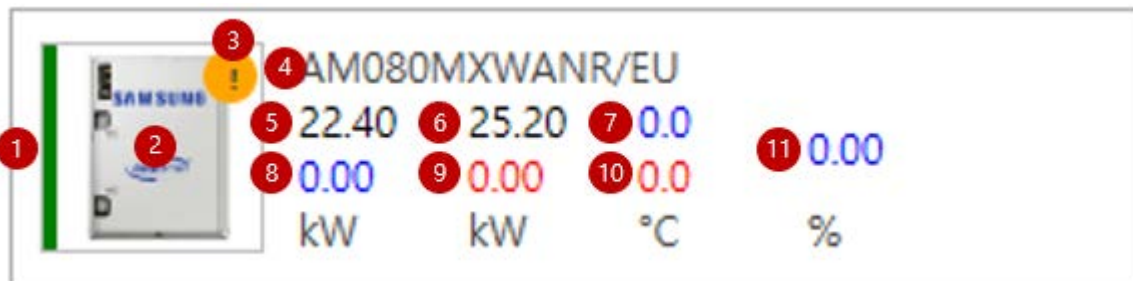
## 1.1.2.1.2. VRF Outdoor Unit Water

### 1.1.2.1.2.1. Design Condition

- ① Model Hierarchy : Select the model hierarchy to search.
- ② Design Condition : When the path is selected, the design condition is displayed, and it is selected when setting the design condition.
- ③ Hydro Operating Simultaneously : Select when setting simultaneous operation with hydro.
- ④ Maximum Indoor Unit Combination Ratio : Input when changing the maximum indoor unit combination ratio.
- ⑤ Maximum Hydro Combination Ratio : When changing the maximum hydro combination ratio, input it after deselecting hydro operating simultaneously.
- ⑥ Cooling EWT : Input when changing the cooling EWT.
- ⑦ Heating EWT : Input when changing the heating EWT.
- ⑧ Flow Rate : Input when changing the flow rate.
- ⑨ Glycol Type: Change after selecting the glycol type when setting it.

- ⑩ Glycol Concentration: When changing the glycol concentration, input it after selecting the glycol type.

#### 1.1.2.1.2.2. Outdoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ Rated Cooling Heat Transfer : Displays the rated cooling heat transfer ability. The description is expressed as a tool tip.
- ⑥ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.
- ⑦ Cooling LWT : Displays the cooling LWT. The description is expressed as a tool tip.
- ⑧ Cooling Capacity(Correction) : Displays the corrected cooling capacity(correction) ability. The description is expressed as a tool tip.
- ⑨ Heating Capacity(Correction) : Displays the heating capacity(correction) ability. The description is expressed as a tool tip.
- ⑩ Heating LWT : Displays the heating LWT. The description is expressed as a tool tip.
- ⑪ Combination Ratio : Displays the system combination ratio. The description is expressed as a tool tip.

### 1.1.2.1.3. Single Outdoor Unit

#### 1.1.2.1.3.1. Design Condition

Indoor Unit

Outdoor Unit

Search

Cassette/4Way

Usage Condition

☐ Operation Mode

HP

☐ Power Specification

1 | 2 | 220-240 | 50

☐ Compressor Type

Twin BLDC Inverter Rotary

☐ Sales Status

Active

☐ Capacity Range

0.00 ~ 0.00 kW

☐ Model Code


☐ EEV

Included

☐ Drain Pump

Included

Search



RC140PHXEA

14.01 16.00

kW kW

Planned

Running

EOL

Add Outdoor Unit

Modify

- ① Model Hierarchy : Select the model hierarchy to search.

#### 1.1.2.1.3.2. Outdoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ Rated Cooling Heat Transfer : Displays the rated cooling heat transfer ability. The description is expressed as a tool tip.
- ⑥ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.



#### 1.1.2.1.4. FJM Outdoor Unit

##### 1.1.2.1.4.1. Design Condition

Indoor Unit Outdoor Unit

Search

Heat Pump/Heat Pump ▶ ①

Usage Condition

☐ Operation Mode HP

☐ Power Specification 1 | 2 | 220-240 | 50

☐ Compressor Type BLDC Inverter Rotary

☐ Sales Status Active







☐ Capacity Range 0.00 ~ 0.00 kW

☐ Model Code

☐ EEV Included

☐ Drain Pump Included

Search

	AJ040MCJ2EH/EU 4.00 4.40 kW kW
	AJ050FCJ2EH/EU 5.00 5.70 kW kW
	AJ050MCJ2EH/EU 5.00 5.70 kW kW
	AJ052MCJ3EH/EU 5.00 6.30 kW kW
	AJ068FCJ3EH/EU 7.00 8.00 kW kW
	AJ068MCJ3EH/EU 7.00 8.00 kW kW

■ Planned ■ Running ■ EOL

Add Outdoor Unit Modify

- ① Model Hierarchy : Select the model hierarchy to search.

#### 1.1.2.1.4.2. Outdoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ Rated Cooling Heat Transfer : Displays the rated cooling heat transfer ability. The description is expressed as a tool tip.
- ⑥ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.

### 1.1.2.1.5. Chiller Outdoor Unit Group

#### 1.1.2.1.5.1. Design Condition

The screenshot shows the 'Outdoor Unit' tab of a software interface. The form is divided into several sections. At the top, there is a 'Search' field and a dropdown menu showing 'Air-cooled Modular Chiller/Heat Pump'. Below this is the 'Usage Condition' section with checkboxes for 'Operation Mode', 'Power Specification', 'Compressor Type', 'Sales Status', 'Capacity Range', 'Model Code', 'EEV', and 'Drain Pump', each followed by a dropdown menu. The 'Design Condition' section follows, containing input fields for 'Cooling Load' and 'Heating Load' (both in kW), a dropdown for 'Operation Mode', a dropdown for 'Correction Criteria', a dropdown for 'Product Type', and input fields for 'Cooling LWT', 'Heating LWT', and 'ΔT (Entering Water and Leaving Water)' (in °C). There are also checkboxes for 'Flow Rate', 'Glycol Type', 'Glycol Concentration', and 'Altitude', each followed by a dropdown menu. At the bottom, there is a 'Defrosting Correction' checkbox and a 'Search' field. The form is annotated with 15 red circular callouts: 1 points to the model dropdown, 2 to the 'Design Condition' section header, 3 to the 'Cooling Load' input, 4 to the 'Heating Load' input, 5 to the 'Operation Mode' dropdown, 6 to the 'Correction Criteria' dropdown, 7 to the 'Product Type' dropdown, 8 to the 'Cooling LWT' input, 9 to the 'Heating LWT' input, 10 to the 'ΔT' input, 11 to the 'Flow Rate' checkbox, 12 to the 'Glycol Type' dropdown, 13 to the 'Glycol Concentration' dropdown, 14 to the 'Altitude' dropdown, and 15 to the 'Defrosting Correction' checkbox.

- ① Model Hierarchy : Select the model hierarchy to search.
- ② Design Condition : When the path is selected, the design condition is displayed, and it is selected when setting the design condition.
- ③ Cooling Load : Input when changing the cooling load.
- ④ Heating Load : Input when changing the heating load.
- ⑤ Operation Mode : Select when changing the operation mode.
- ⑥ Correction Criteria : Select when changing the correction criteria.
- ⑦ Product Type : Select to change the product type.
- ⑧ Cooling LWT : Input when changing the cooling LWT.
- ⑨ Heating LWT : Input when changing the heating LWT.
- ⑩ ΔT (Entering Water and Leaving Water) : Select and enter in the case of the ΔT (Entering Water and Leaving Water) as a standard.
- ⑪ Flow Rate: Input after selection in case of flow rate as a standard.

- ⑫ Glycol Type: When changing the glycol type, select and change it.
- ⑬ Glycol Concentration: When changing the glycol concentration, input it after selecting the glycol type.
- ⑭ Altitude : Input it after selecting when setting altitude.
- ⑮ Defrosting Correction : Select when setting defrosting correction.

#### 1.1.2.1.5.2. Outdoor Unit Information

1	2	3	AG042	4	1	5	3	4	6	44.10	7	11.86	8	0.00	9	12.0	10	35.40	11	21.60	12	0.00	13	40.0	14	27	15	56.76
---	---	---	-------	---	---	---	---	---	---	-------	---	-------	---	------	---	------	----	-------	----	-------	----	------	----	------	----	----	----	-------

- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed.
- ③ Model Code : Displays the model code. The description is expressed as a tool tip.
- ④ Qty : Displays the number of chiller outdoor units.
- ⑤ Power Specification: Displays the power specification. The description is expressed as a tool tip.
- ⑥ Cooling Capacity(Correction) : Displays the corrected cooling capacity(correction) ability.
- ⑦ Cooling Power Input : Displays the cooling power input.
- ⑧ Cooling Load Profile : Displays the cooling load profile.
- ⑨ Cooling EWT : Displays the cooling EWT.
- ⑩ Heating Capacity(Correction) : Displays the heating capacity(correction) ability.
- ⑪ Heating Power Input : Displays the heating power input.
- ⑫ Heating Load Profile : Displays the heating load profile.
- ⑬ Heating EWT : Displays the heating EWT.
- ⑭ Flow Rate : Displays the flow rate.
- ⑮ Pressure Height Difference : Displays the pressure height difference.

### 1.1.2.1.6. EHS Outdoor Unit

#### 1.1.2.1.6.1. Design Condition

- ① Model Hierarchy : Select the model hierarchy to search.

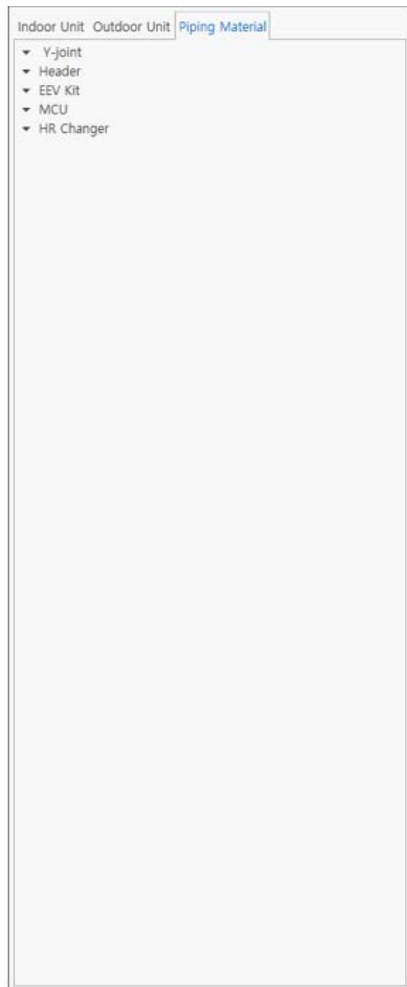
#### 1.1.2.1.6.2. Outdoor Unit Information



- ① Color : Displays the color according to the operation information. (See operating information legend)
- ② Image : An image is displayed. The description is expressed as a tool tip.

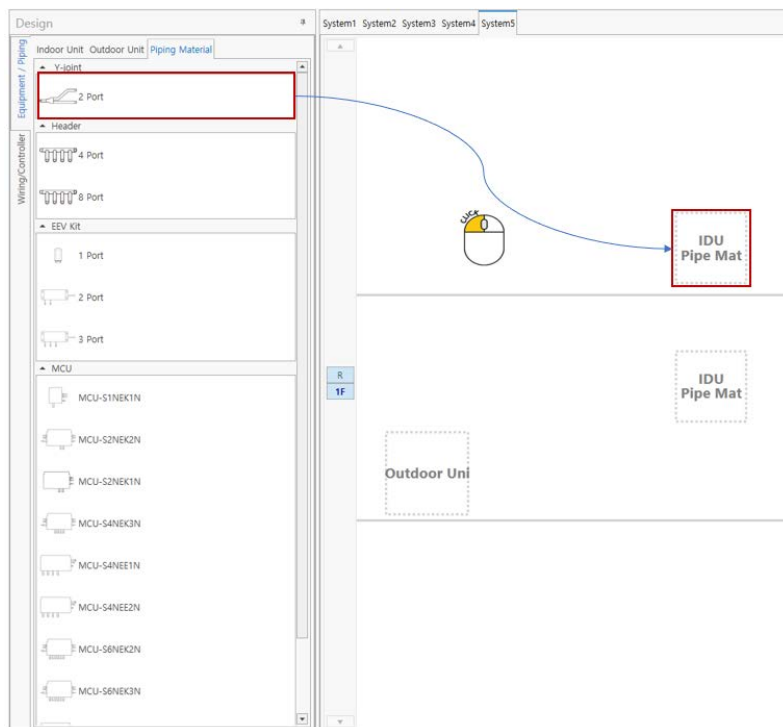
- ③ Error : If an error occurs during capacity correction, a symbol is displayed. An error message is displayed as a tool tip.
- ④ Model Code : Displays the model code. The description is expressed as a tool tip.
- ⑤ Rated Cooling Heat Transfer : Displays the rated cooling heat transfer ability. The description is expressed as a tool tip.
- ⑥ Rated Heating Heat Transfer : Displays the rated heat transfer capability. The description is expressed as a tool tip.
- ⑦ A2W Cooling Heat Transfer(Correction) : Displays the A2W cooling heat transfer(correction) ability. The description is expressed as a tool tip.
- ⑧ A2W Heating Heat Transfer(Correction) : Displays the A2W heating heat transfer(correction) ability. The description is expressed as a tool tip.
- ⑨ A2A Cooling Capacity(Correction) : Displays the A2A cooling capacity(correction) ability. The description is expressed as a tool tip.
- ⑩ A2A Heating Capacity(Correction) : Displays the A2A heating capacity(correction) ability. The description is expressed as a tool tip.

### 1.1.3. Piping Material



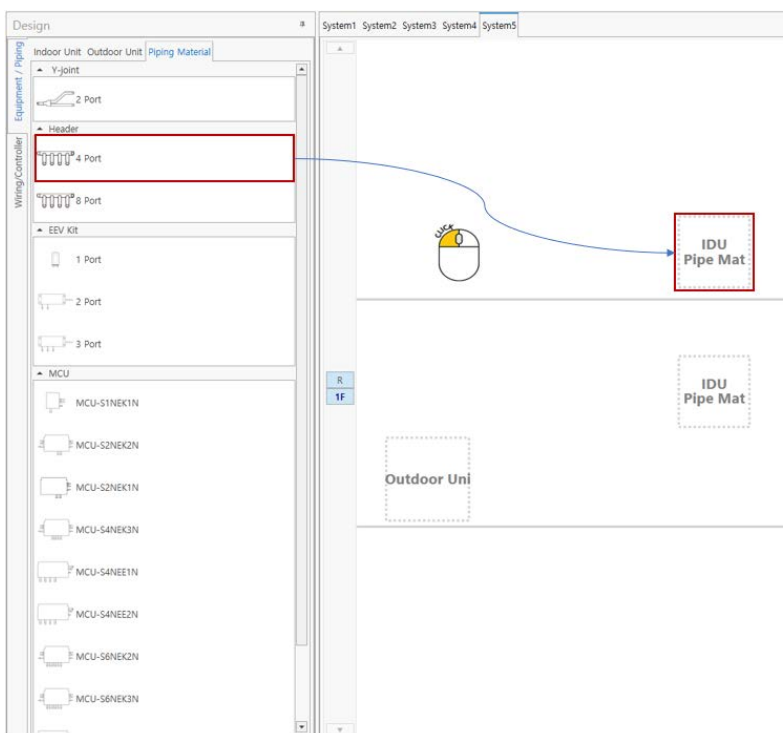
The piping material tab shows a list of Y-joints, Headers, EEV Kits, MCUs, and HRC equipment that can be placed in the selected system, and places the desired equipment by moving it to the desired location using the left mouse button.

### 1.1.3.1. Y-Joint



Place the Y-joint by moving it to the desired position using the left mouse button.

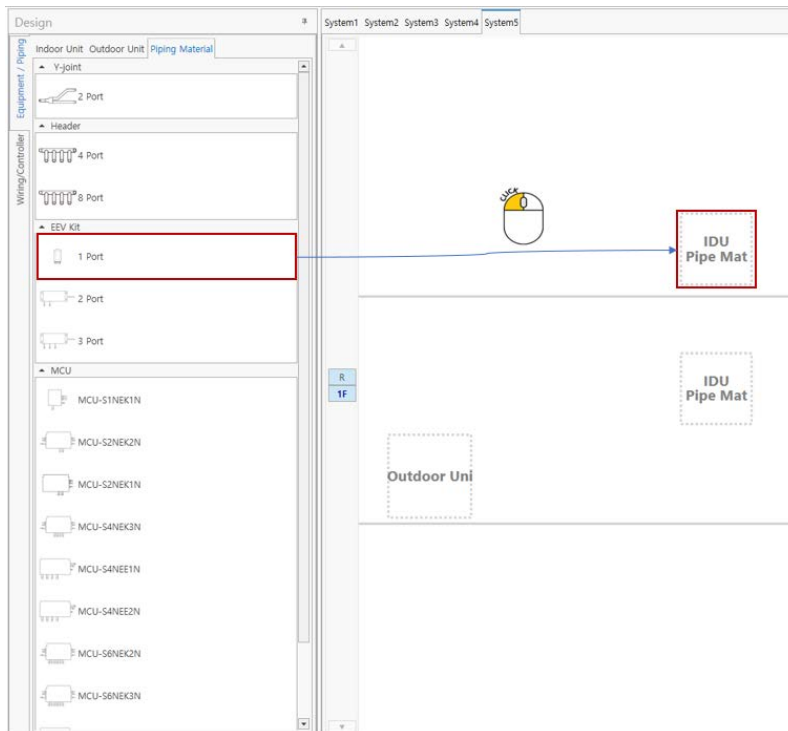
### 1.1.3.2. Header



Place the Header by moving it to the desired position using the left mouse button.

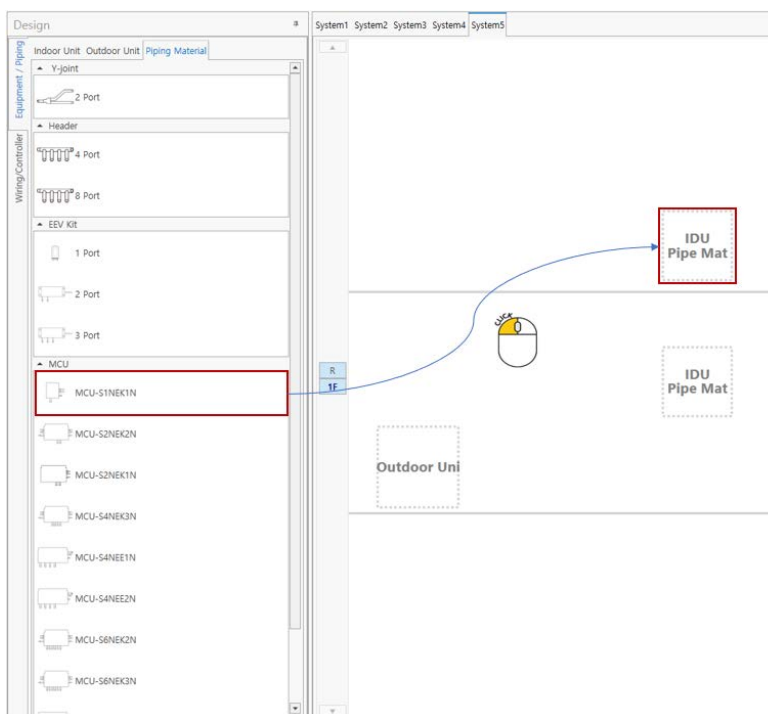


### 1.1.3.3. EEV Kit



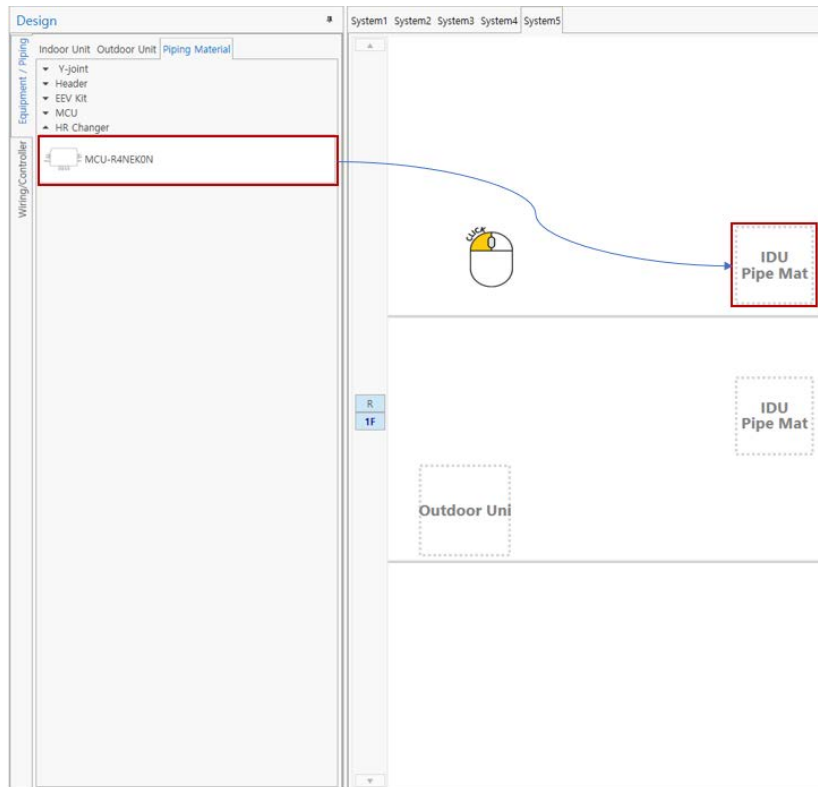
Place the EEV Kit by moving it to the desired position using the left mouse button.

### 1.1.3.4. MCU



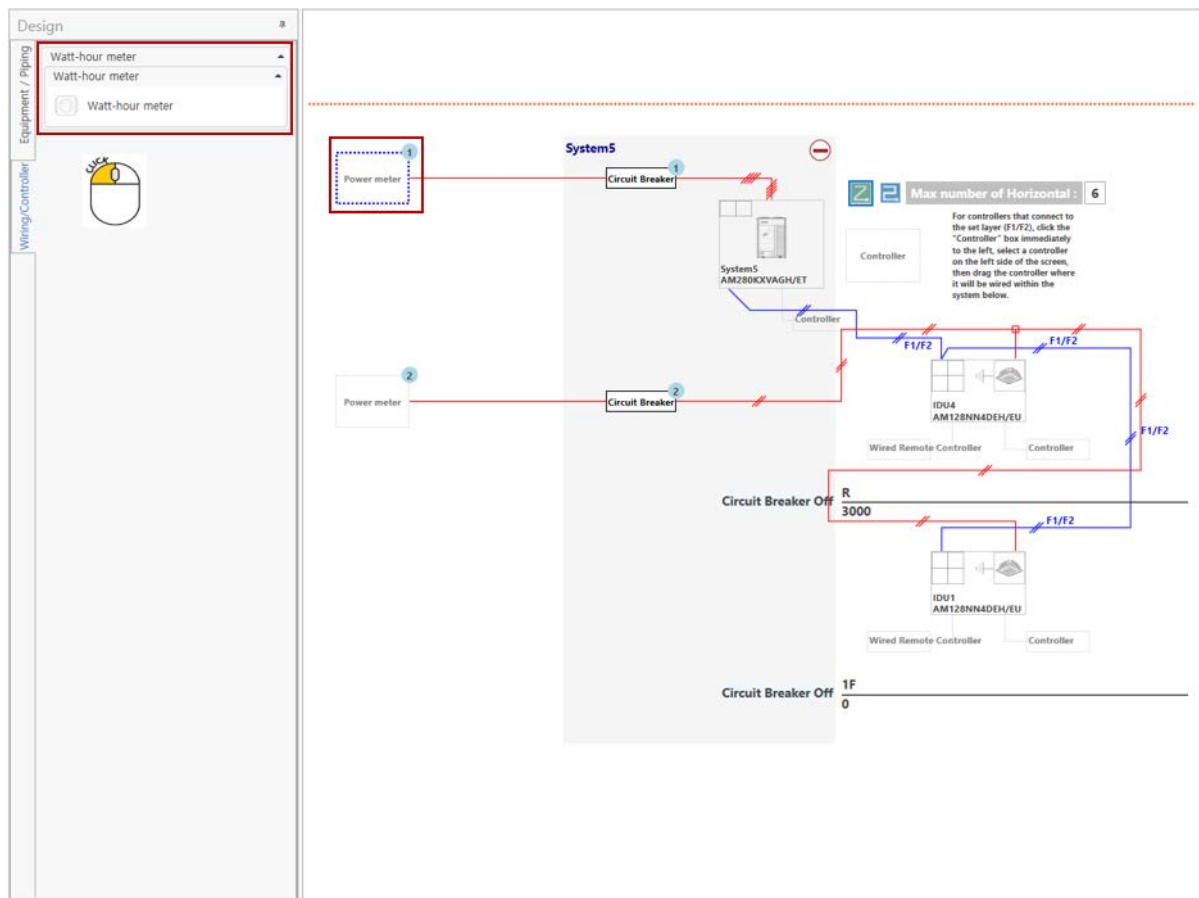
Place the MCU by moving it to the desired position using the left mouse button.

### 1.1.3.5. HRC

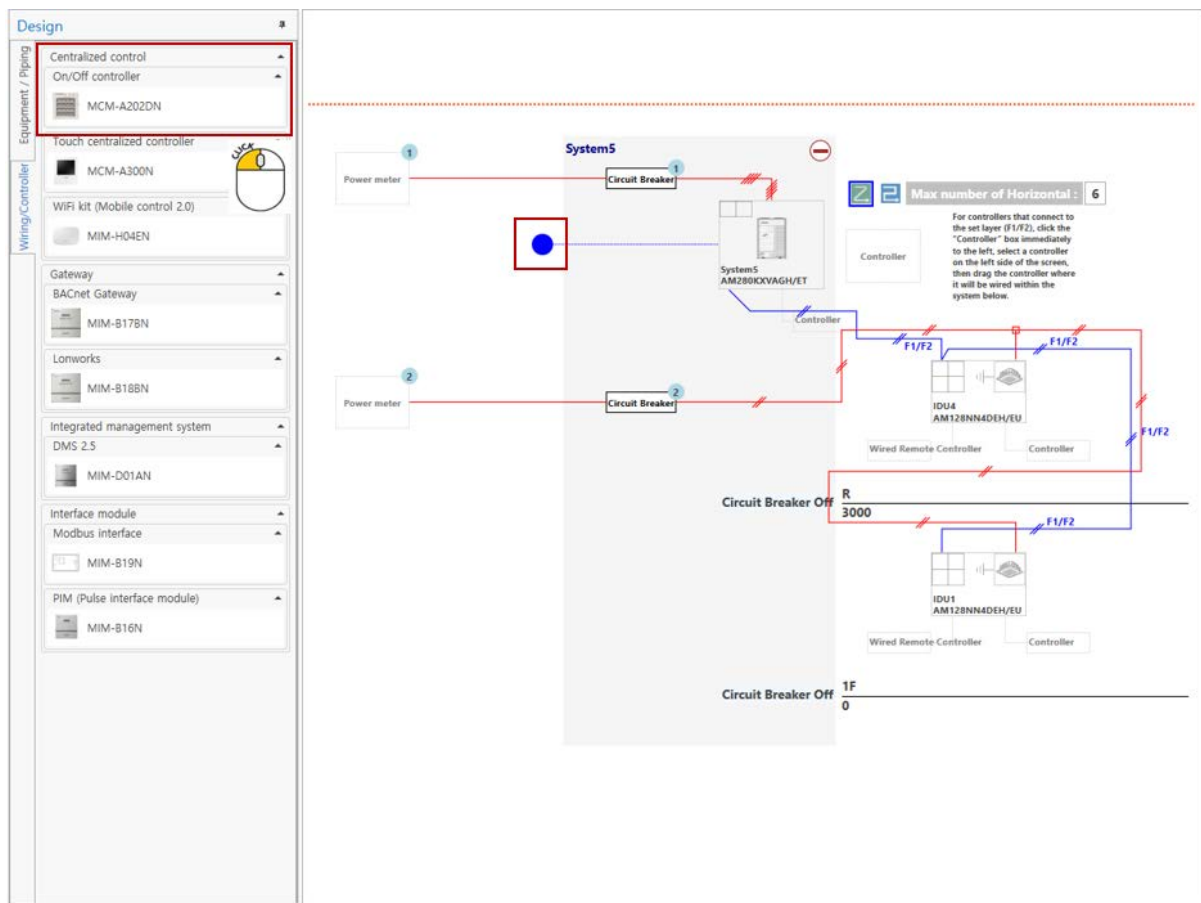


Place the HRC by moving it to the desired position using the left mouse button.

## 1.2. Wiring/Controller



If you click the left mouse button on the dummy, a list of equipment will appear on the Wiring/Controller tab if there are suitable controllers. Left-click on the required product in the list to place it.



When a product is selected, a line appears and a channel is displayed if connection is possible. If you click on a channel, a list of equipment appears on the Wiring/Controller tab if there are suitable controllers. If you click the left mouse button on the required product in the list, the equipment is placed in the selected channel position.