

How to configure initial settings for Design simulator

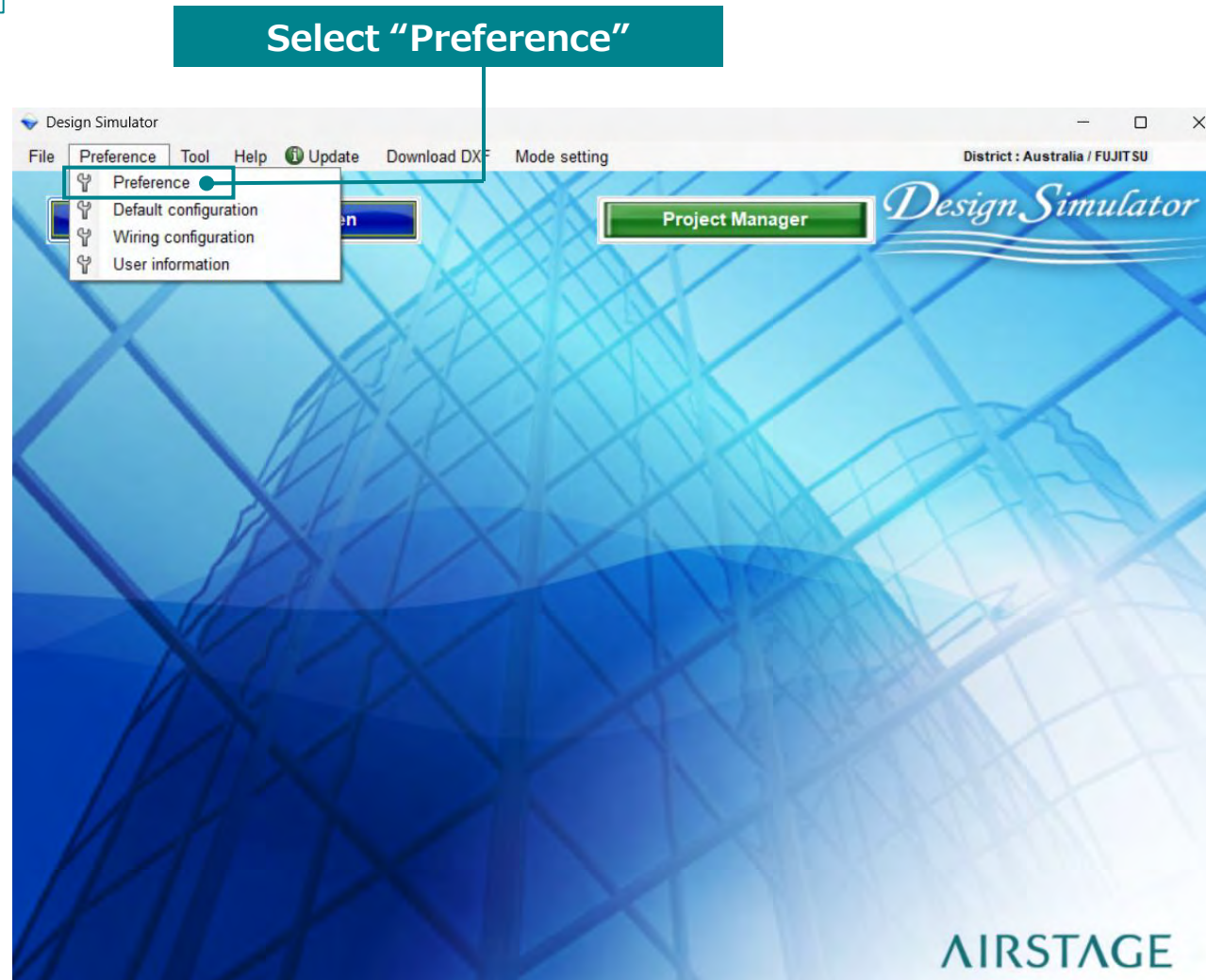
Overview

1. Preference	Page 3
• Unit setting	Page 4
• Language setting	Page 5
• Brand setting	Page 6
• Naming setting	Page 7
• Outdoor air unit setting	Page 8
• Auto save	Pages 9-11
• Specifications	Page 12
• Releasable charge	Page 13
2. Default configuration	Pages 14-15

3. Wiring configuration	Page 16
• Display item selection	Pages 17-19
• Total power line	Page 20
• Each power line	Page 21
4. User information	Pages 22-23

1.Preference

Menu/Preference



1.Preference

Unit setting

1) Open preference menu. Set the units you want to use.

Preference

Unit setting | Language setting | Brand setting | Naming setting | Outdoor air unit setting | Autosave | Specifications

Temperature ☒ C ☐ F	Length ☒ m ☐ ft	Dimensions ☒ mm ☐ inch	Piping diameter ☒ mm ☐ inch
Airflow ☒ m3/h ☐ m3/min ☐ m3/s ☐ l/s ☐ cfh ☐ cfm ☐ cfs	Capacity ☒ kW ☐ Kcal/h ☐ kBTU/h ☐ Ton	Indoor Conditions ☐ DBT/RH % ☒ DBT/WBT ☐ WBT/RH %	Weight ☒ kg ☐ lbs
		Pressure ☒ Pa ☐ WG	Design of air flow static pressure ☒ Air flow and static setting ☐ Fan speed selection

OK Cancel

2) Setting for Duct type only
Select "Air flow and static setting"

1.Preference

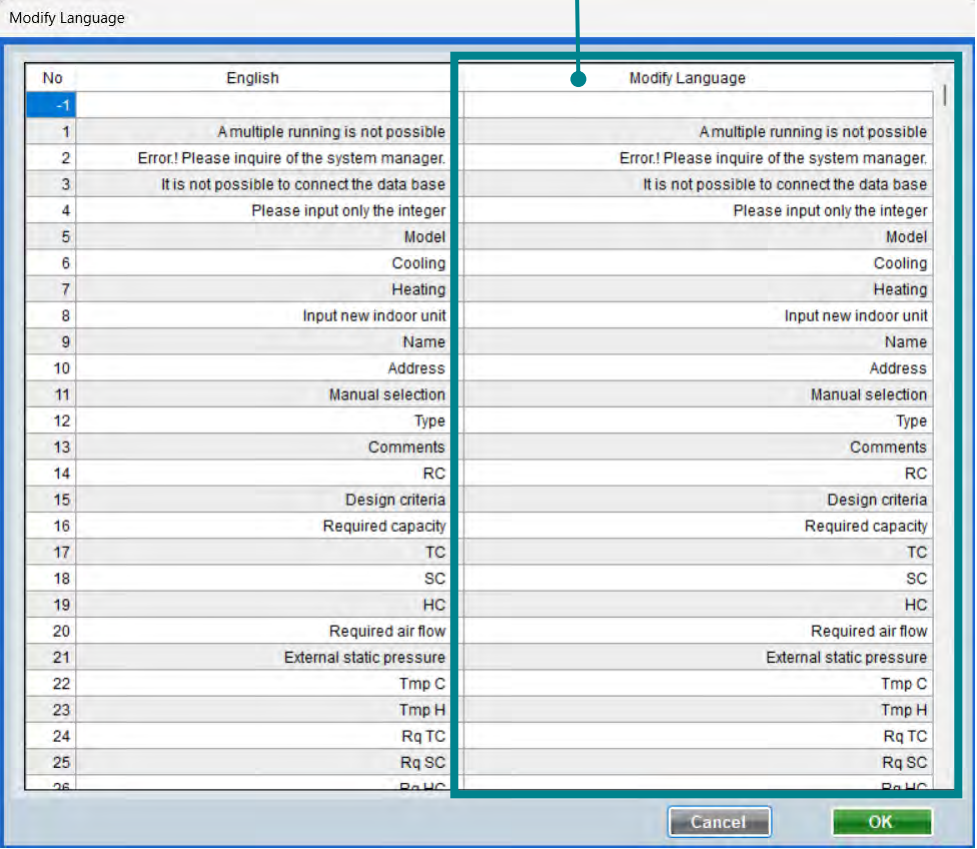
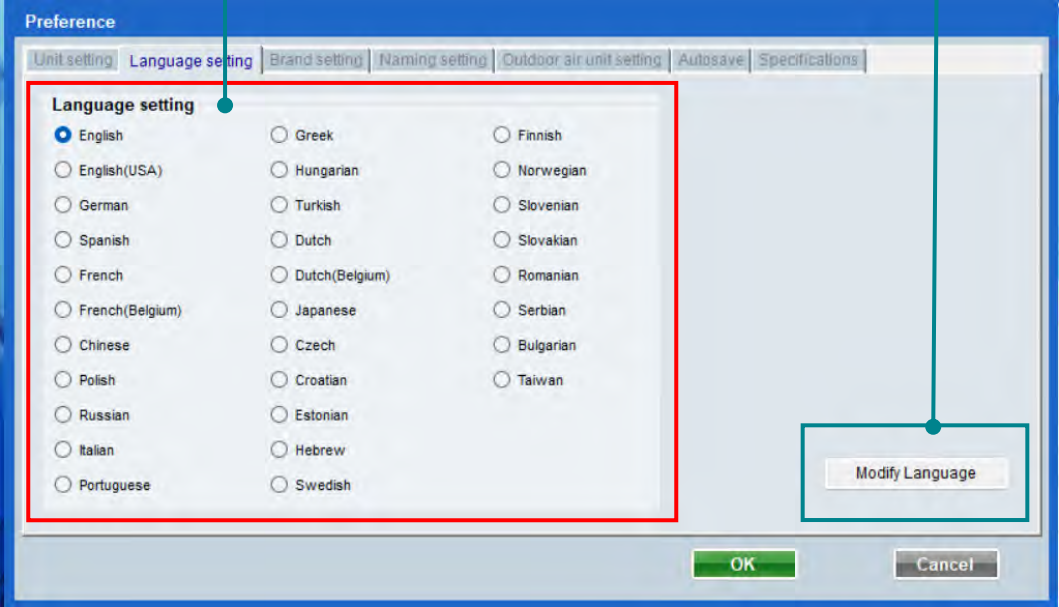
Language setting

1) Please set your language.

If you want to change the language displayed on your Design simulator, click here.

2) Select “Modify language”

3) Input “Modify language”



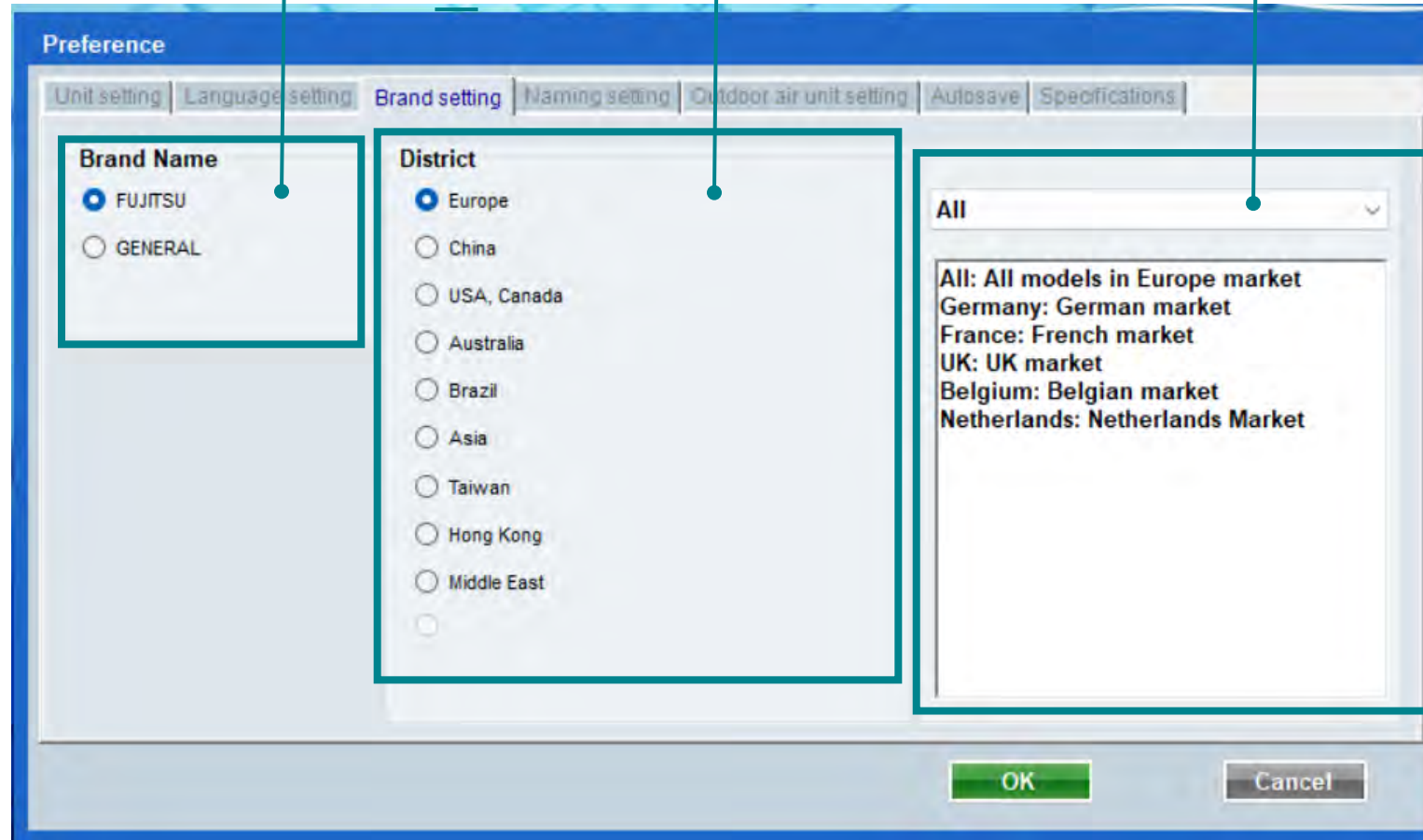
1.Preference

Brand setting

1) The brand name can be changed.

2) Select "District"

3) Select "country"



1.Preference

Naming setting

Preference

Unit setting | Language setting | Brand setting | **Naming setting** | Outdoor air unit setting | Autosave | Specifications

Naming setting

Indoor unit

Outdoor unit

Default output folder name

...

Data in/out folder

...

1) Input "Naming setting"

2) Select "Default output folder name"

3) Select "Data in/out folder"

OK Cancel

1.Preference

Outdoor air unit setting

1) Select “Selection of outdoor air processing unit”

Preference

Unit setting | Language setting | Brand setting | Naming setting | Outdoor air unit setting | Autosave | Specifications

Selection of outdoor air processing unit

☐ AHU(Air Handling Unit)
☐ DX kit

☐ The equipment linked to DX kit is included in an estimate.

Outdoor air unit in current project will be removed if its check box is cleared.

Naming setting

Air Handling Unit	AHU
DX kit	DX

Heat exchanger volume

☒ cm3
☐ in3

Future unit

☒ Enable
Default name: Future

Report outputs

☒ Include Future units
(Material, Piping and Wiring diagram, etc.)

OK Cancel

2) Input “Naming setting”

3) Select “Heat exchange volume”

4) Select “Enable”

6) Select “Include Future units”

5) Input “Default naming”

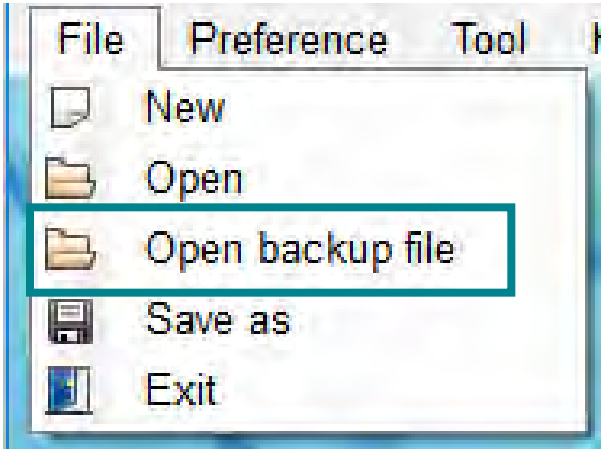
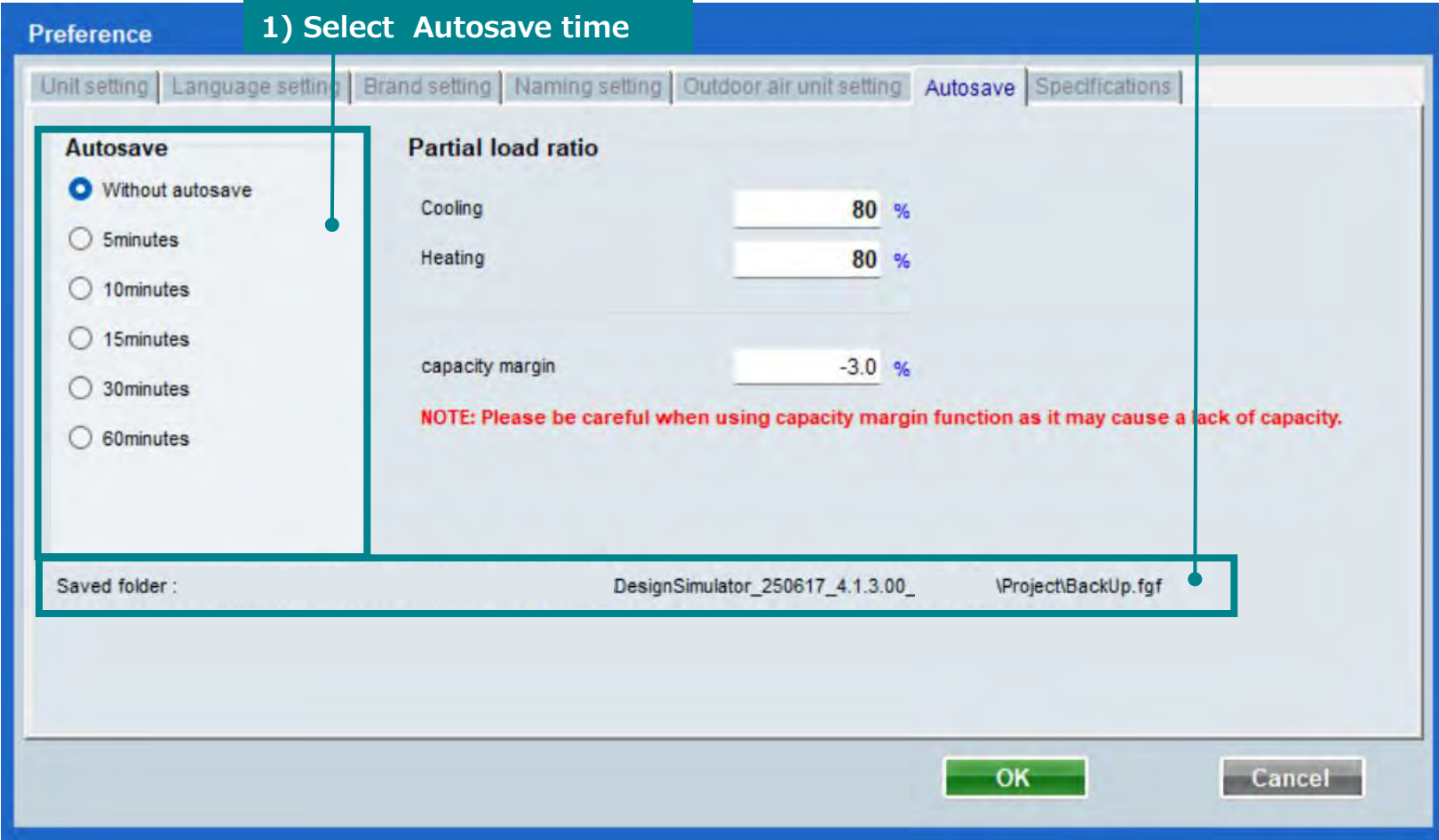
1.Preference

Auto save (1/3)

Autosave setting

2) The backup is saved to the DS folder at the selected time.

3) The backup can be read from “File – Open backup file”



1.Preference

Auto save (2/3)

Partial load ratio setting

1) Input "Partial load ratio"

Preference

Unit setting | Language setting | Brand setting | Naming setting | Outdoor air unit setting | Autosave | Specifications

Autosave

☒ Without autosave

☐ 5minutes

☐ 10minutes

☐ 15minutes

☐ 30minutes

☐ 60minutes

Partial load ratio

Cooling %

Heating %

capacity margin %

NOTE: Please be careful when using capacity margin function as it may cause a lack of capacity.

Saved folder : C:\DSV\リリース\0050_WebUp\20250617\PDF検索用\DesignSimulator_250617_4.1.3.00_リリース版\ProjectBackUp.fgf

OK Cancel

2) It is reflected in the "Outdoor" screen
Select "Partial load ratio"

Input new outdoor unit

Name

Comments

Refrigerant

Model

Type

Model ☐ Manual selection

PS

Combination ☐ Full Load ☒ Partial Load

Operating ratio C

Operating ratio H

capacity margin ☐

Outdoor dry bulb temperature

Cooling °C Heating °C

Actual capacity

Cooling kW Heating

Piping

Actual piping length m

Position of outdoor unit relative to indoor unit

☐ Higher ☒ Same Floor ☐ Lower

Height difference between outdoor and indoor units m

Indoor unit not yet connected

- Indr1 ARXB07GALH
- Indr2 ARXB07GALH
- Indr3 ARXB07GALH
- Indr4 ARXB07GALH
- Indr5 ARXB07GALH
- Indr6 ARXB07GALH
- Indr7 ARXB07GALH

Partial Load operation Cancel OK

1.Preference

Auto Save (3/3)

capacity margin setting

1) Input "capacity margin"

Preference

Unit setting | Language setting | Brand setting | Naming setting | Outdoor air unit setting | Autosave | Specifications

Autosave

☒ Without autosave

☐ 5minutes

☐ 10minutes

☐ 15minutes

☐ 30minutes

☐ 60minutes

Partial load ratio

Cooling %

Heating %

capacity margin %

NOTE: Please be careful when using capacity margin function as it may cause a lack of capacity.

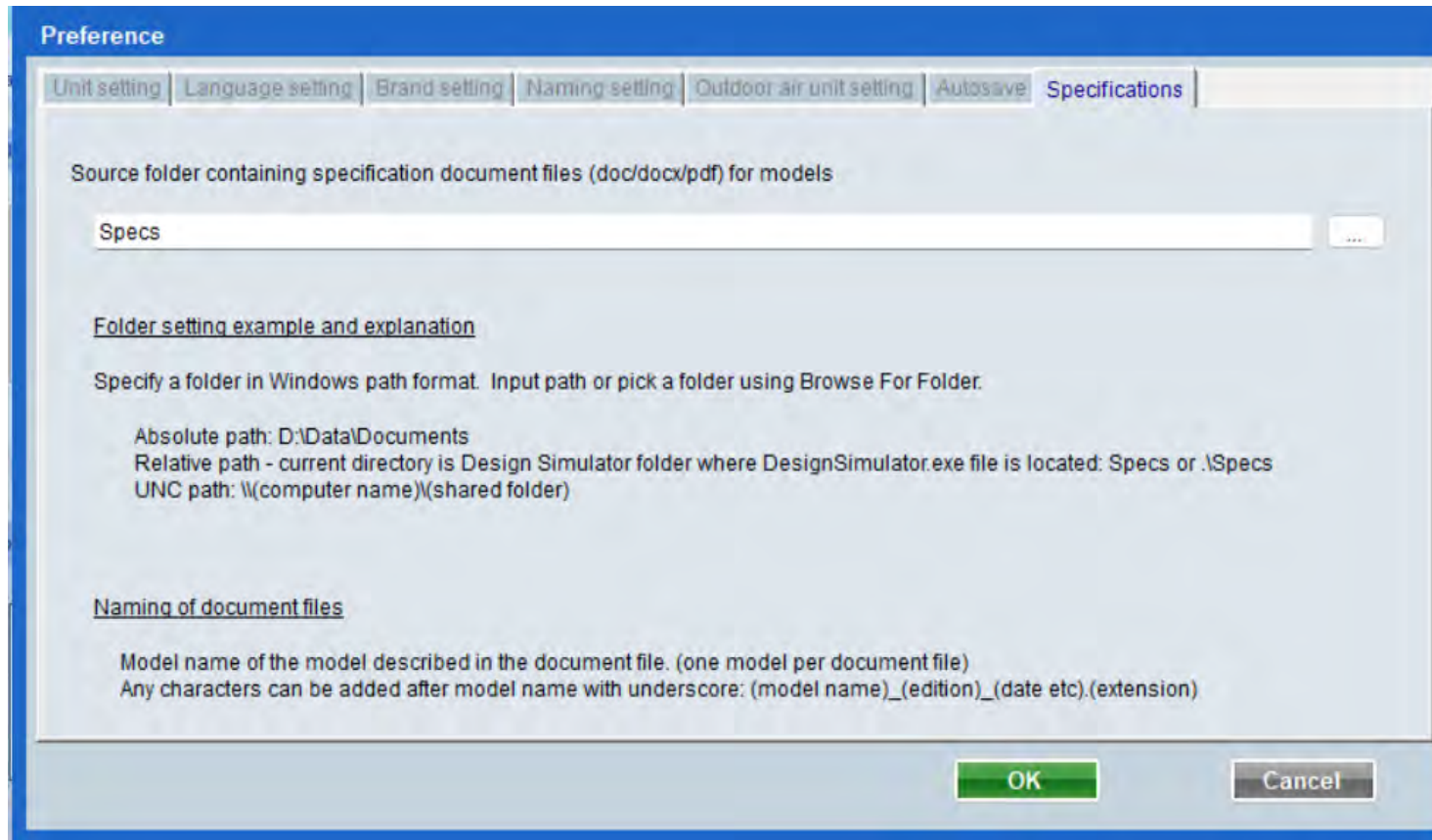
Saved folder : C:\DS\リリース\0050_WebUp\20250617\PDF検索用\DesignSimulator_250617_4.1.3.00_リリース版\Project\BackUp.fgf

OK Cancel

1.Preference

Specifications

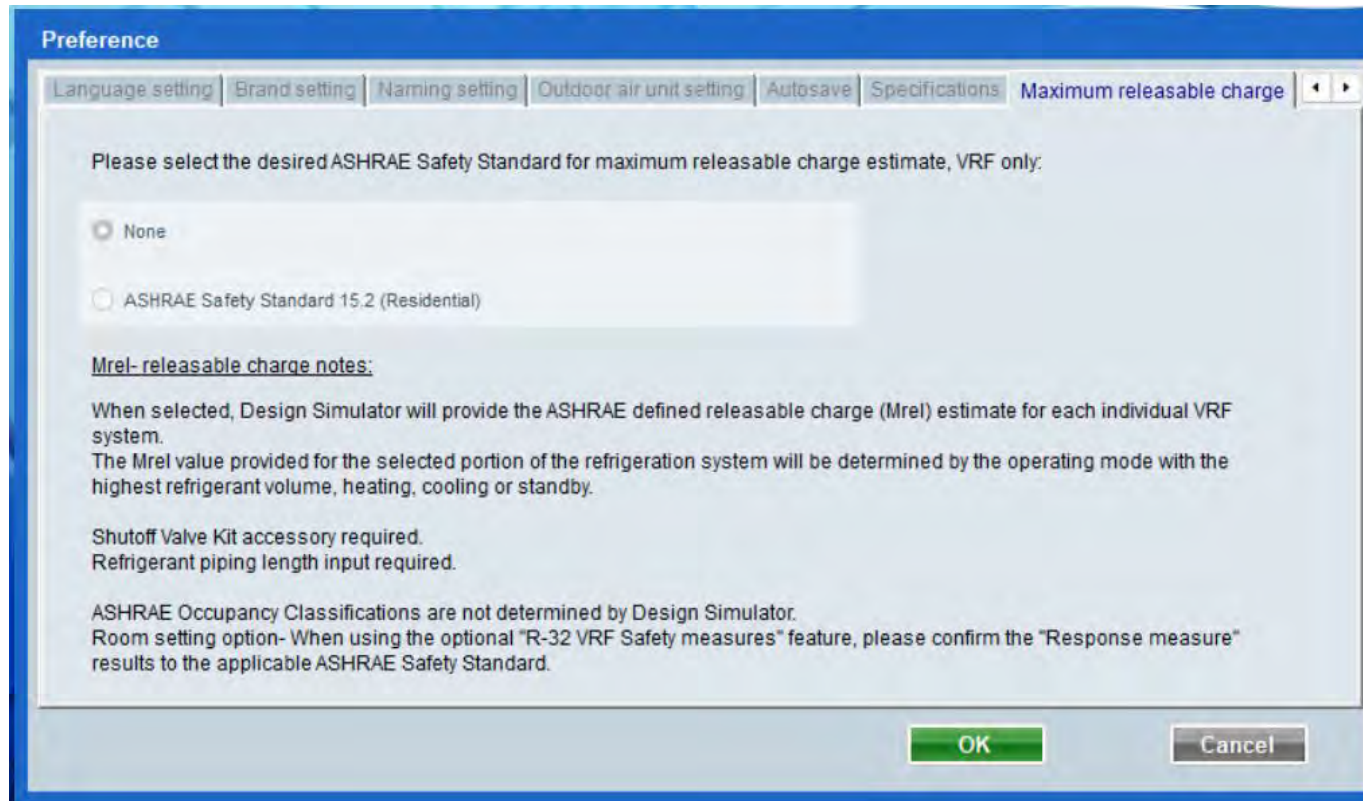
- Outputs the documents you prepared in advance from the specified directory together with the report.



1.Preference

Releasable charge (For North America)

- Outputs the calculation result of the releasable refrigerant charge according to ASHRAE regulations to the report.



- Allow selection of related standard numbers within the tab.
- Default is None

2.Default configuration

Menu/Default configuration

Select "Default configuration"



2.Default configuration

1) Open Default configuration menu

2) Select "Temperature"

3) Input "Temperature"

4) Select "Temperature"

5) Input "Temperature"

6) Select "Require capacity"

7) Input "Temperature"

8) Input "Safety factor"

Default configuration

Temperature	
Unit	☒ C ☐ F
Indoor unit	
Cooling	27 80.6
Heating	20 68
Outdoor unit	
Cooling	35 95
Heating	7 44.6
Outdoor air unit	
Cooling	
Discharge	18 (C) 64 (F)
Outside	DBT 33 91.4
	WBT 27.8 82.0
Heating	
Discharge	25 (C) 77 (F)
Outside	0 32

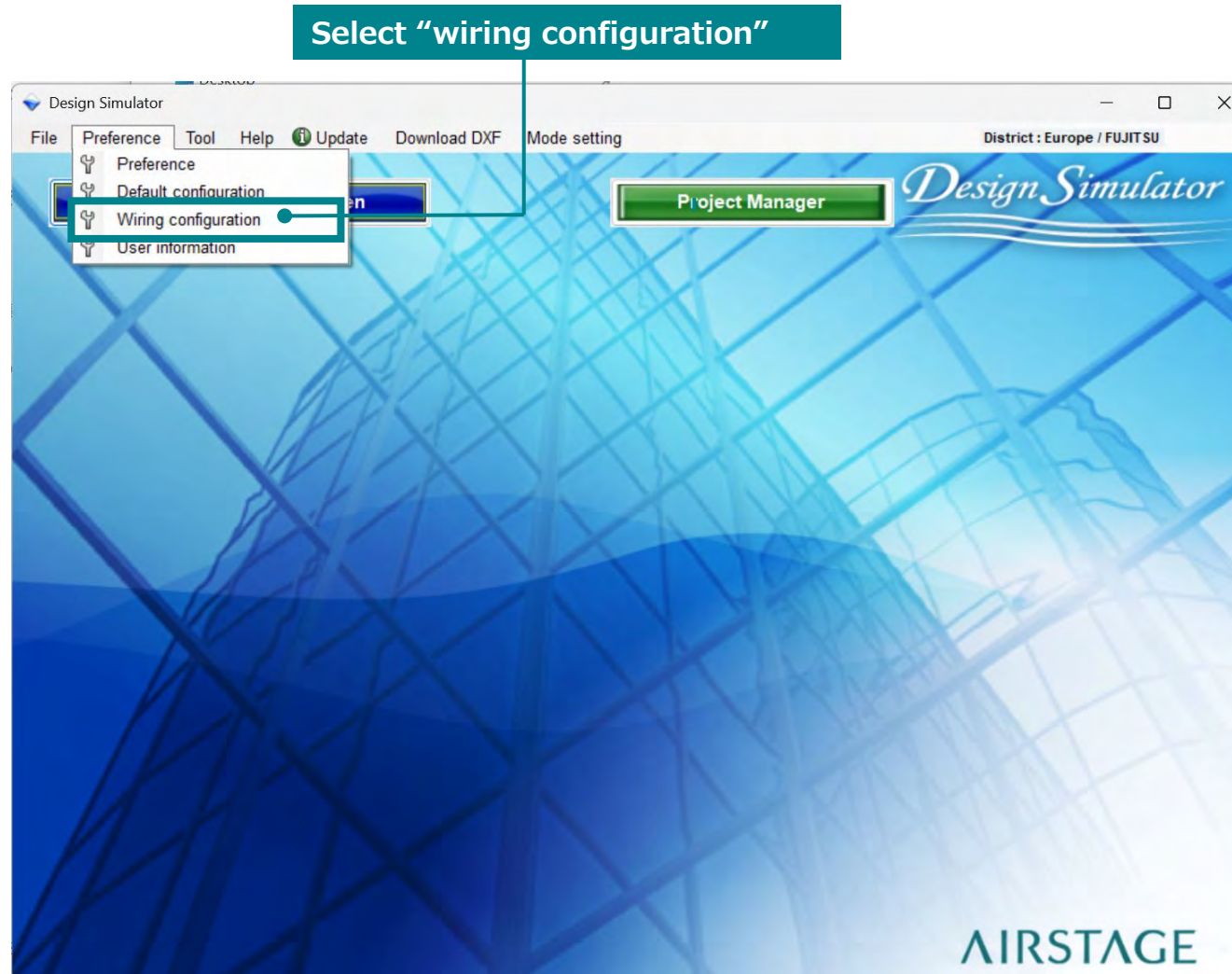
Required capacity	
Unit	☒ kW ☐ kBTU/h
Indoor unit	
TC	0.5 2
SC	0.5 2
HC	0.5 2
Safety factor	
%	100

Reset

OK Cancel

3. Wiring configuration

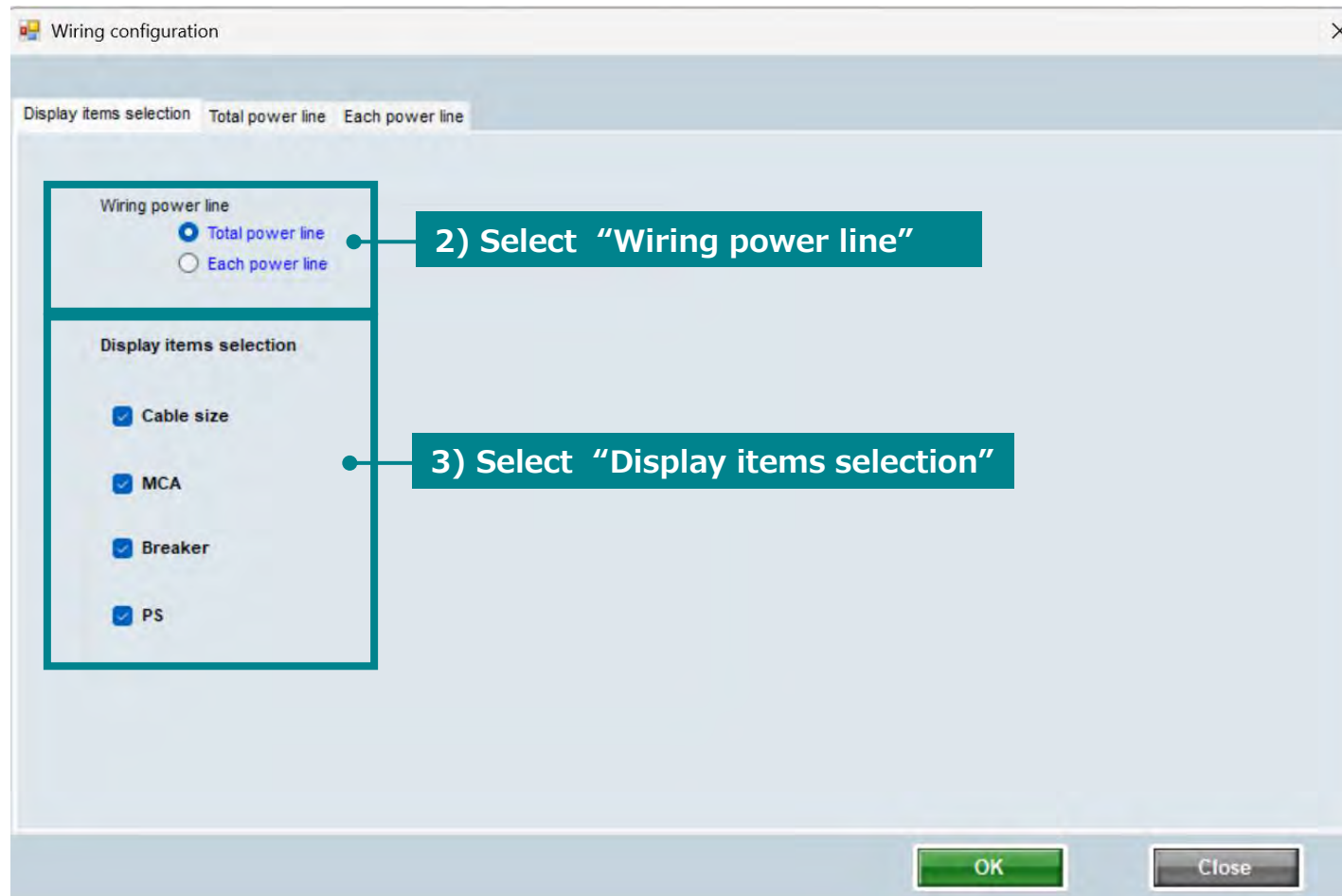
Menu/wiring configuration



3. Wiring configuration

Display items selection(1/3)

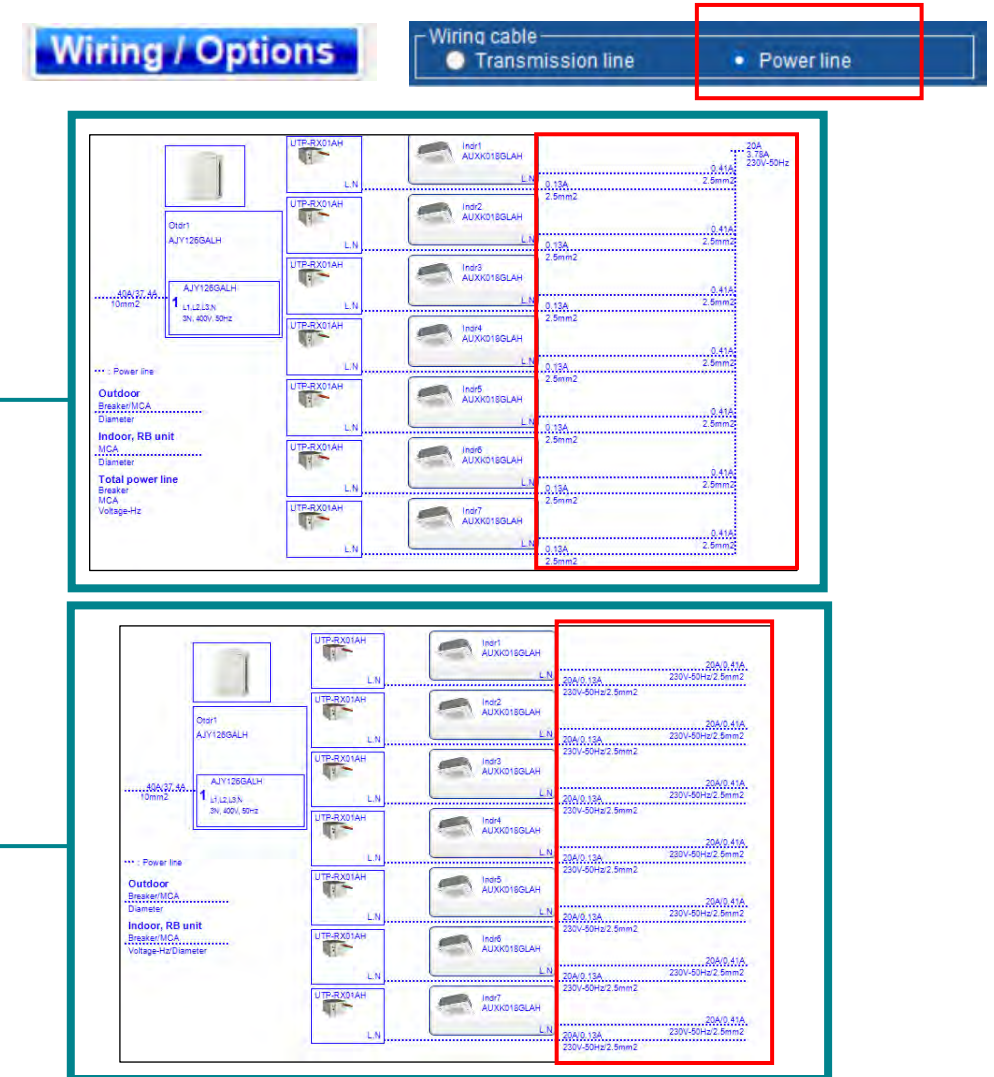
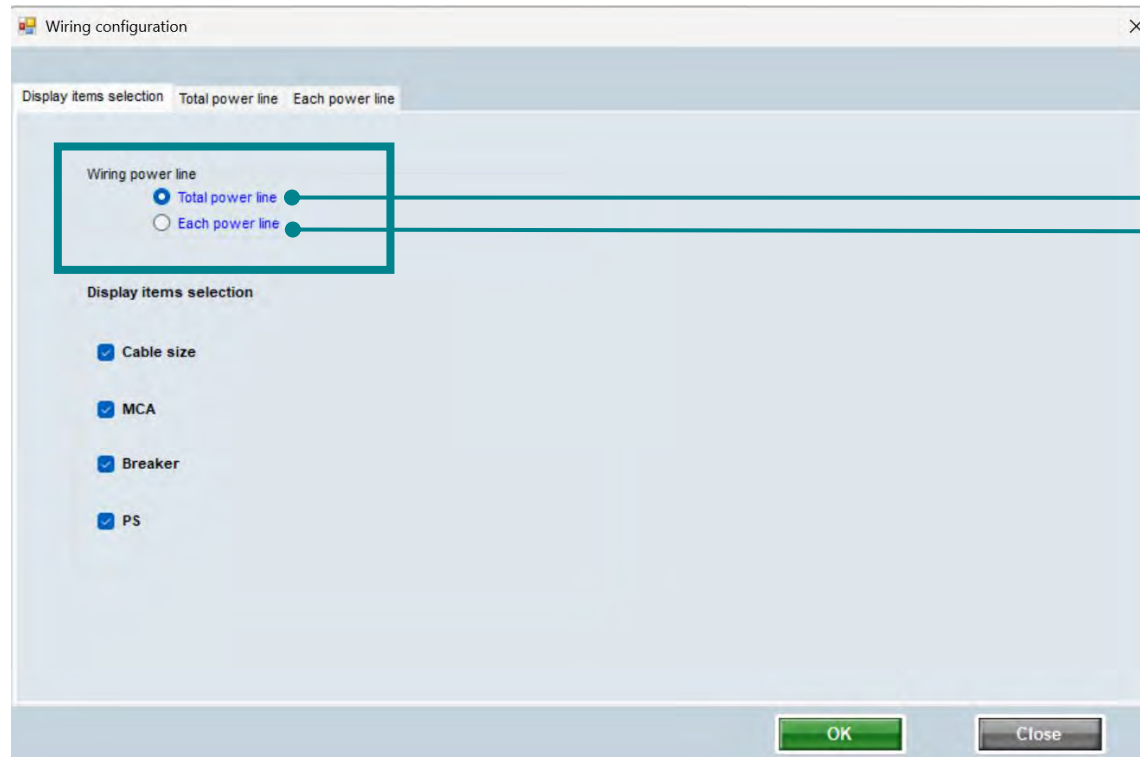
1) Open "wiring configuration"



3.Wiring configuration

Display items selection(2/3)

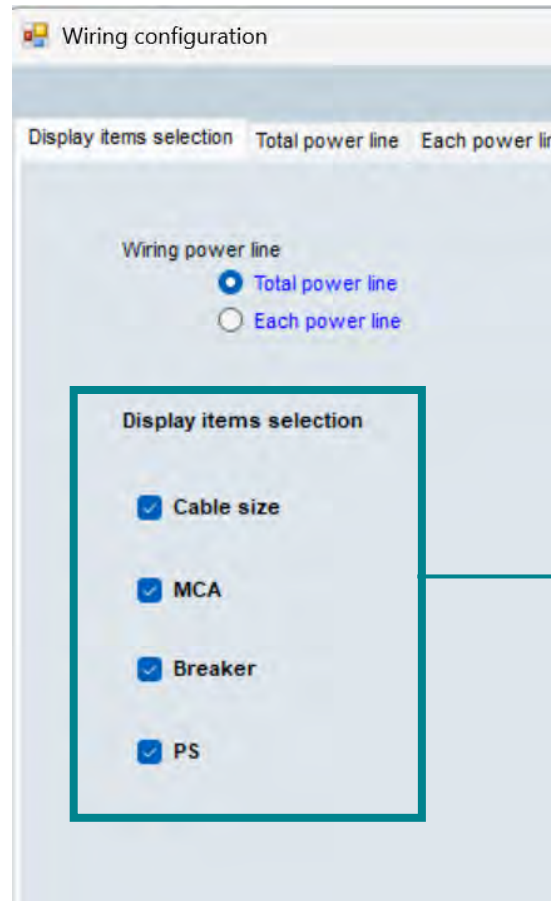
“Total” or “each” can be selected for the display format of “Wiring power line”



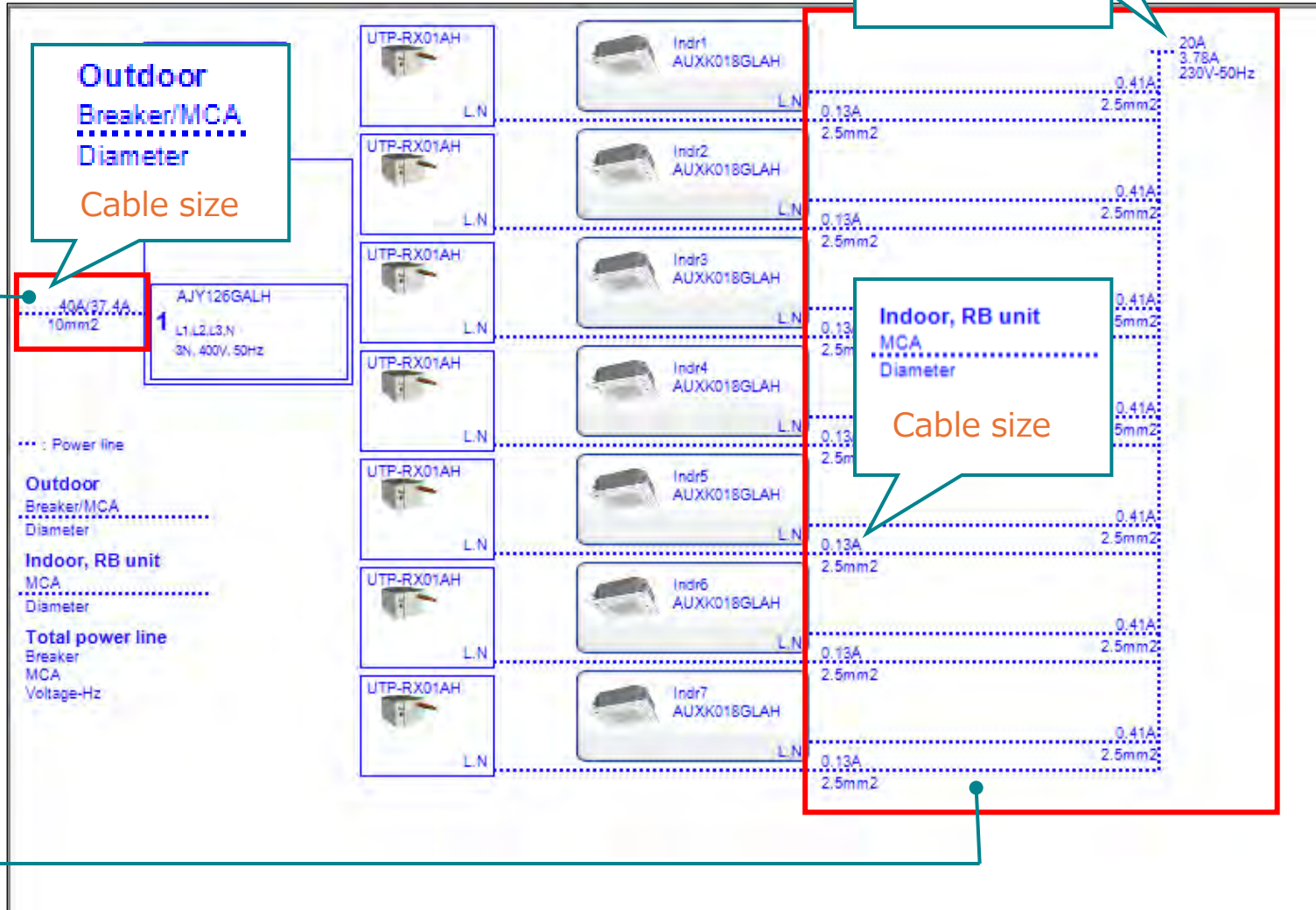
3.Wiring configuration

Display items selection(3/3)

The items displayed in “Wiring” can be set to show/hide



Wiring / Options



3.Wiring configuration

Total power line

1) Select "VRF system type"

2) Input "Breaker"

3) Input "Limit of total MCA"

4) Select "Earth leakage circuit breaker"

5) Input "PS"

6) Input "Cable size"

7) Input "Cable size outdoor-branch box"

8) Input "Cable size branch box-branch box"

Wiring configuration

Display items selection Total power line Each power line

Reset

Total power line

VRF system

Type V-IV Heat pump space saving combination

Breaker 20 A

Limit of total MCA 15 A

Earth leakage circuit breaker 30 mA

PS 230V-50Hz

8 rooms multi system

Cable size outdoor-branch box 1.5mm2

Cable size branch box-branch box 1.5mm2

OK Close

3. Wiring configuration

Each power line

Wiring configuration

Working voltage: ☒ 208V ☐ 230V

Display items selection: Total power line **Each power line**

Series: Unit:

Series	Unit	Type	Model	MCA (A)	Cable size	Breaker (A)	PS
FM	Outdoor	8 rooms multi system	AOU48RLXFZ1	26.5	8AWG	40	208V 60Hz
FM	Indoor	Compact cassette	AUU12RLF	0.24	14 AWG	0	208V 60Hz
FM	Indoor	Compact cassette	AUU18RLF	0.41	14 AWG	0	208V 60Hz
FM	Indoor	Compact cassette	AUU7RLF	0.19	14 AWG	0	208V 60Hz
FM	Indoor	Compact cassette	AUU9RLF	0.19	14 AWG	0	208V 60Hz
FM	Indoor	Floor	AGU12RLF	0.36	14 AWG	0	208V 60Hz
FM	Indoor	Floor	AGU15RLF	0.41	14 AWG	0	208V 60Hz
FM	Indoor	Floor	AGU9RLF	0.36	14 AWG	0	208V 60Hz
FM	Indoor	Slim duct	ARU12RLF	0.47	14 AWG	0	208V 60Hz
FM	Indoor	Slim duct	ARU18RLF	0.59	14 AWG	0	208V 60Hz
FM	Indoor	Slim duct	ARU24RLF	0.89	14 AWG	0	208V 60Hz
FM	Indoor	Slim duct	ARU7RLF	0.4	14 AWG	0	208V 60Hz
FM	Indoor	Slim duct	ARU9RLF	0.4	14 AWG	0	208V 60Hz
FM	Indoor	Wall mounted	ASU12RLF	0.25	14 AWG	0	208V 60Hz
FM	Indoor	Wall mounted	ASU18RLF	0.42	14 AWG	0	208V 60Hz
FM	Indoor	Wall mounted	ASU24RLF	0.71	14 AWG	0	208V 60Hz
FM	Indoor	Wall mounted	ASU7RLF	0.18	14 AWG	0	208V 60Hz
FM	Indoor	Wall mounted	ASU9RLF	0.2	14 AWG	0	208V 60Hz
FM	Indoor	Wall mounted(LM)	ASU12RLF1	0.25	14 AWG	0	208V 60Hz
FM	Indoor	Wall mounted(LM)	ASU15RLF1	0.34	14 AWG	0	208V 60Hz
FM	Indoor	Wall mounted(LM)	ASU18RLF	0.42	14 AWG	0	208V 60Hz
FM	Indoor	Wall mounted(LM)	ASU24RLF1	0.71	14 AWG	0	208V 60Hz

4. User information



4. User information

The screenshot shows a 'User information' dialog box with three checked options: 'Your name', 'Your company', and 'Your mail address'. Each option has an associated input field and a green callout box with instructions. The input fields contain 'Fujitsu TARO', 'Japan', and 'xxx@fujitsu-general.com' respectively. At the bottom are 'OK' and 'Cancel' buttons.

User information

☒ Your name
Fujitsu TARO 1) Input "Your name"

☒ Your company
Japan 2) Input "Your company"

☒ Your mail address
xxx@fujitsu-general.com 3) Input "Your E-mail address"

It outputs it to the project and report if it checks it.

OK Cancel