

LCAC Selector 帮助文档

Ver. 2.4

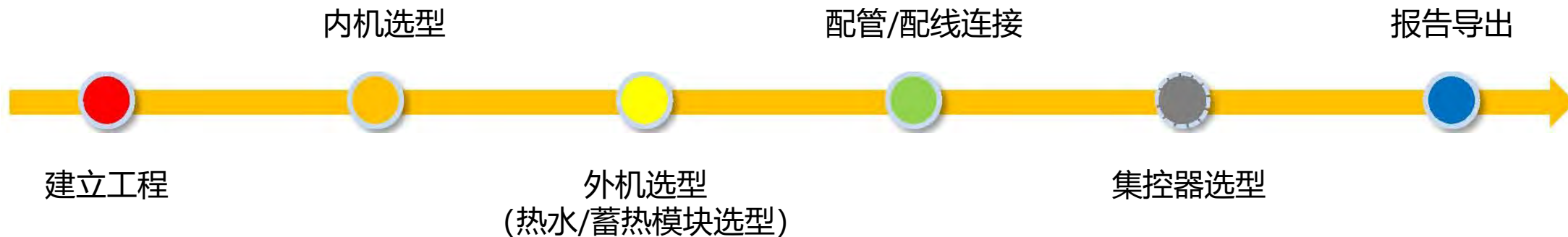
2024/4/15

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一、概述

格力新一代选型软件，经过对市场全面的调研分析，并结合多年的选型经验，深入钻研多联产品选型逻辑之间的关系，针对客户的痛点，全面优化选型流程，使其可以适用于不同的客户群体，便捷的操作中体现出专业选型的严谨，让客户每一次选型，都成为一次愉快的“旅行”。



二、选型

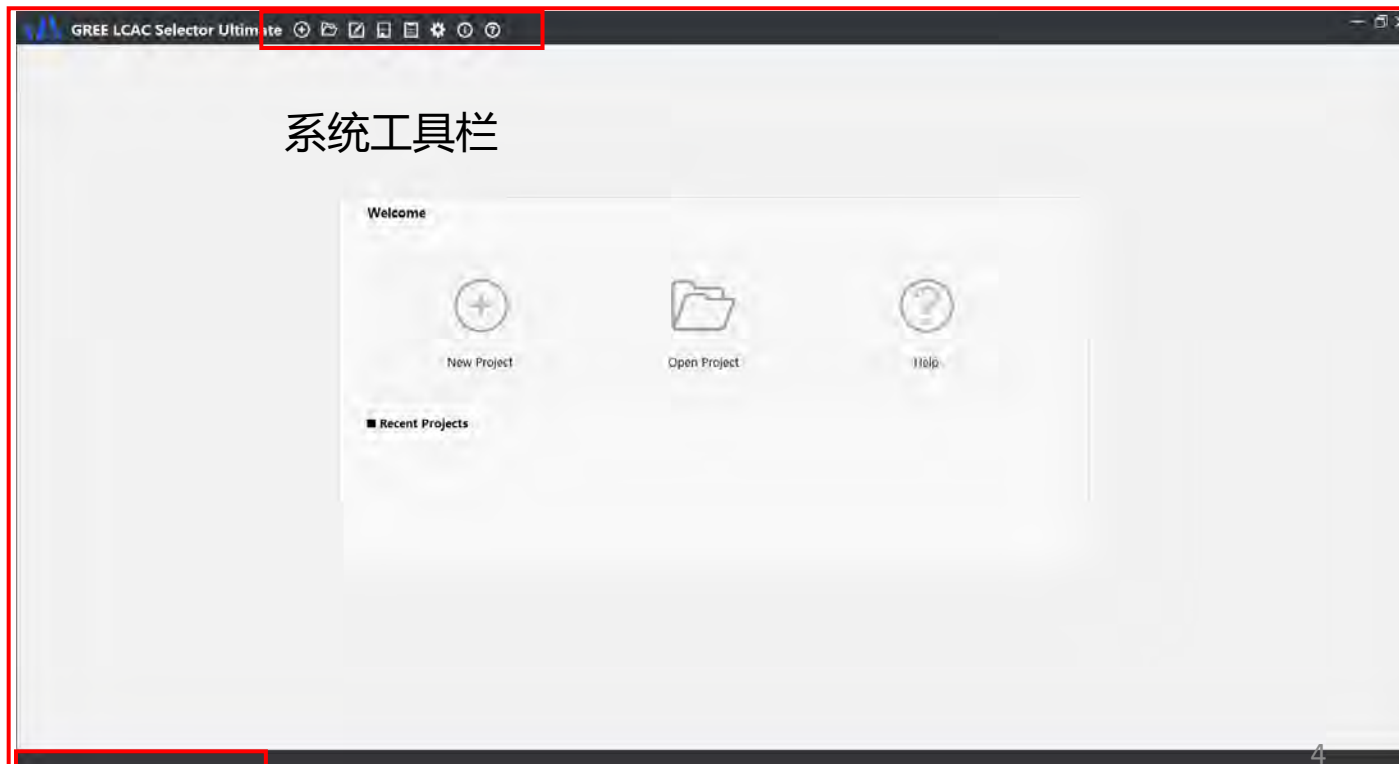
1.软件主界面

软件主窗体主要分为三个部分。

- 1、系统工具栏（包括工程的新建，保存，编辑以及系统级的设置）
- 2、主窗体页（软件内容的展示区域）
- 3、消息提示栏（显示系统消息提示）

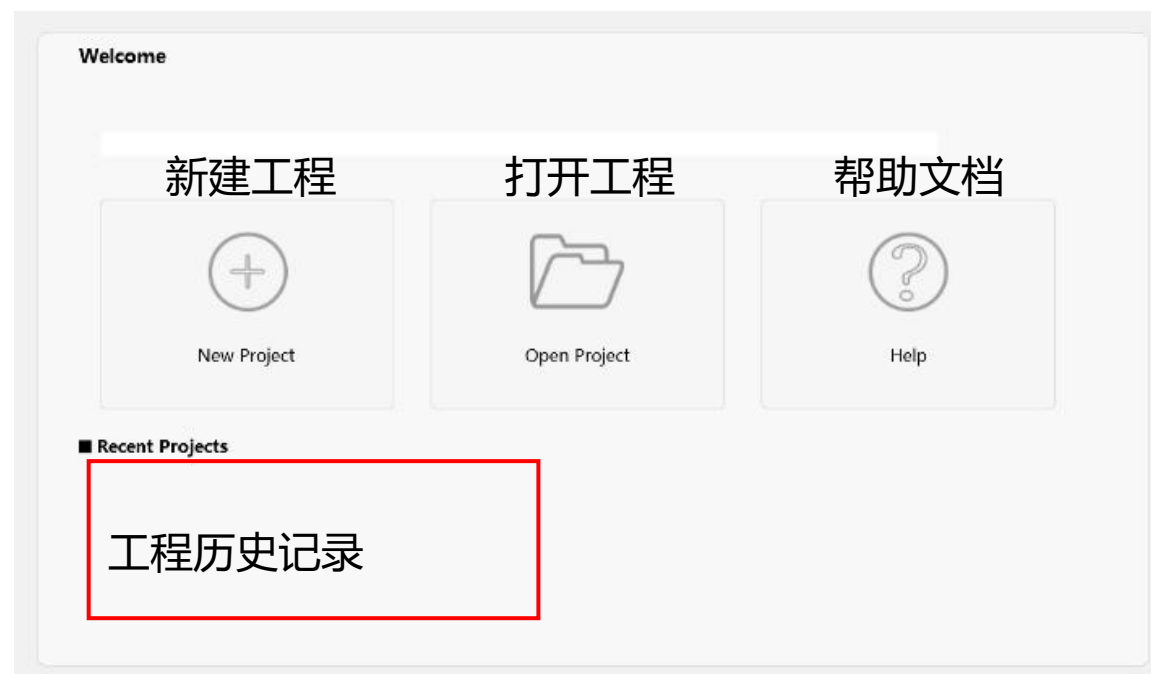
主窗体页

消息提示栏



1.1 欢迎界面

启动软件后，在主窗体中显示的是欢迎界面



1.2系统工具栏



帮助文档

关于（版本信息）

设置（软件相关配置）

工程文件另存为

工程文件保存（ctrl+s）

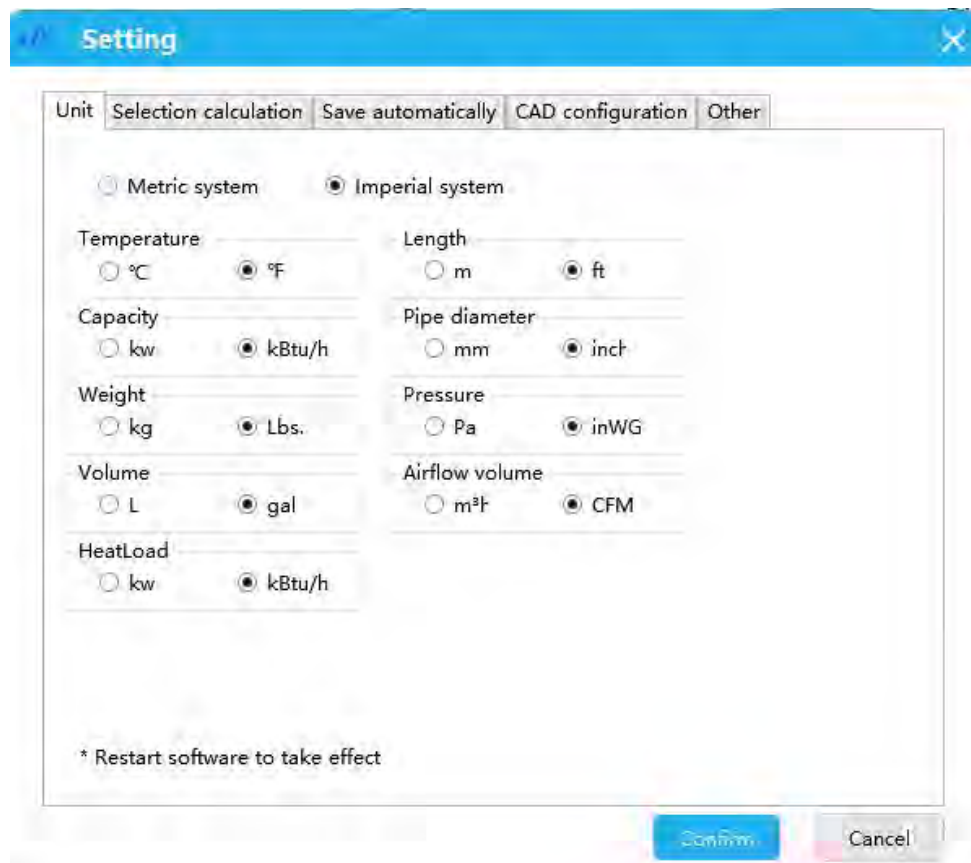
编辑工程信息（ctrl+e）

打开工程（ctrl+o）

新建工程（ctrl+n）

1.3设置

1、单位设置（设置选型过程中运算的单位）



1.3设置

2.选型计算（自动调整方式、变径管选型模式、允许误差、修正系数）

默认选型过程中
内外机同时调整

设置

单位 选型计算 自动保存 CAD 配置 其他

调整方式 ①

☒ 同时调整内外机 ☐ 仅调整外机

变径管选型模式 ①

☒ 计算变径管 ☐ 不计算变径管

☐ 只统计变径信息

内机允许容差 ①

模式	下限	滑块	上限	容差
制冷	-10%		20%	0%
制热	-10%		20%	0%
显热	-10%		20%	0%

室内机最大同时使用率 ①

模式	下限	滑块	上限	容差
制冷	80%		100%	100%
制热	80%		100%	100%

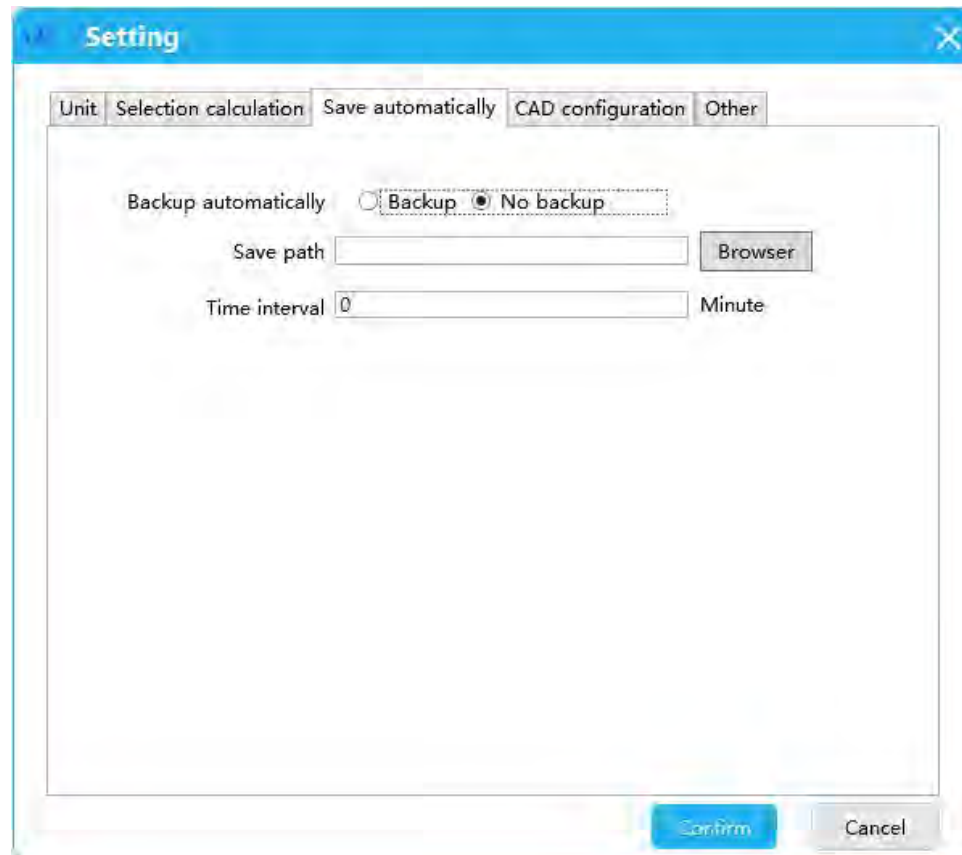
选择机组实际能力修正项 ①

类型	模式	a	b	c
内机	制冷	<input checked="" type="checkbox"/> m	<input checked="" type="checkbox"/> b	
	制热	<input checked="" type="checkbox"/> m	<input checked="" type="checkbox"/> b	<input checked="" type="checkbox"/> c
外机	制冷	<input checked="" type="checkbox"/> a	<input checked="" type="checkbox"/> b	
	制热	<input checked="" type="checkbox"/> a	<input checked="" type="checkbox"/> b	<input checked="" type="checkbox"/> c

取消

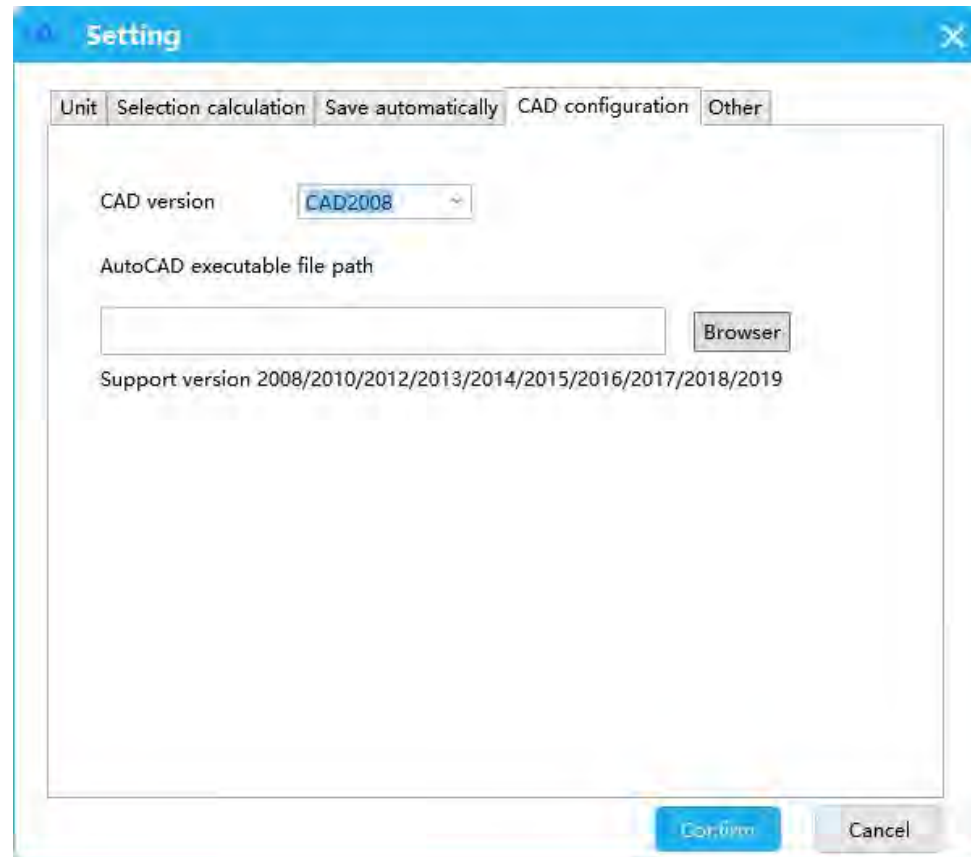
1.3设置

3.自动保存设置 (设定自定保存的路径、周期)



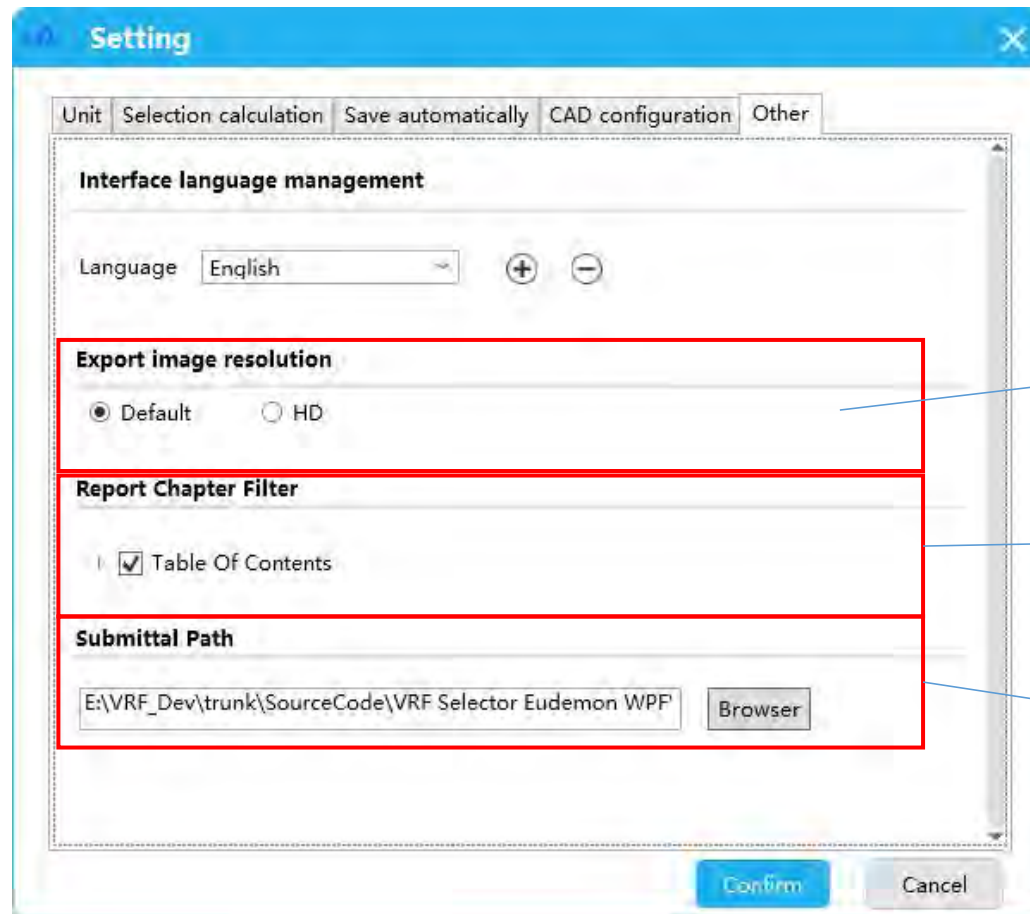
1.3设置

4.AutoCAD设置 (AutoCAD版本、启动程序路径)



1.3设置

5.其他设置（增删语言、高清图像、报告筛选设置、submittal）



高清图像导出设置

报告筛选设置

Submittal资源路径设置
(此功能暂开放北美区域)

2.工程建立

点击工具栏新建工程或者欢迎界面新建工程按钮，打开新建工程窗体

The screenshot shows a 'Project information' dialog box with the following fields:

- Project information:**
 - Area: North America (dropdown)
 - Frequency: 50Hz / 60Hz (radio buttons)
 - Project Name: (text input)
 - Address: (text input)
 - Date: 2021/9/4 (calendar)
 - Contract No.: (text input)
- Client information:**
 - Name: (dropdown)
 - Position: (text input)
 - Company: (text input)
 - Address: (text input)
 - Tel: (text input)
 - Fax: (text input)
 - ☐ Save client information
- Designer information:**
 - Name: (dropdown)
 - Position: (text input)
 - Company: (text input)
 - Address: (text input)
 - Tel: (text input)
 - Fax: (text input)
 - ☐ Save designer information
- Remark:** (text area)
- Buttons:** Confirm, Cancel

工程信息录入：

可以选择不同的区域，做到区域数据定制化

可以选择不同的电源规格

客户基本信息录入

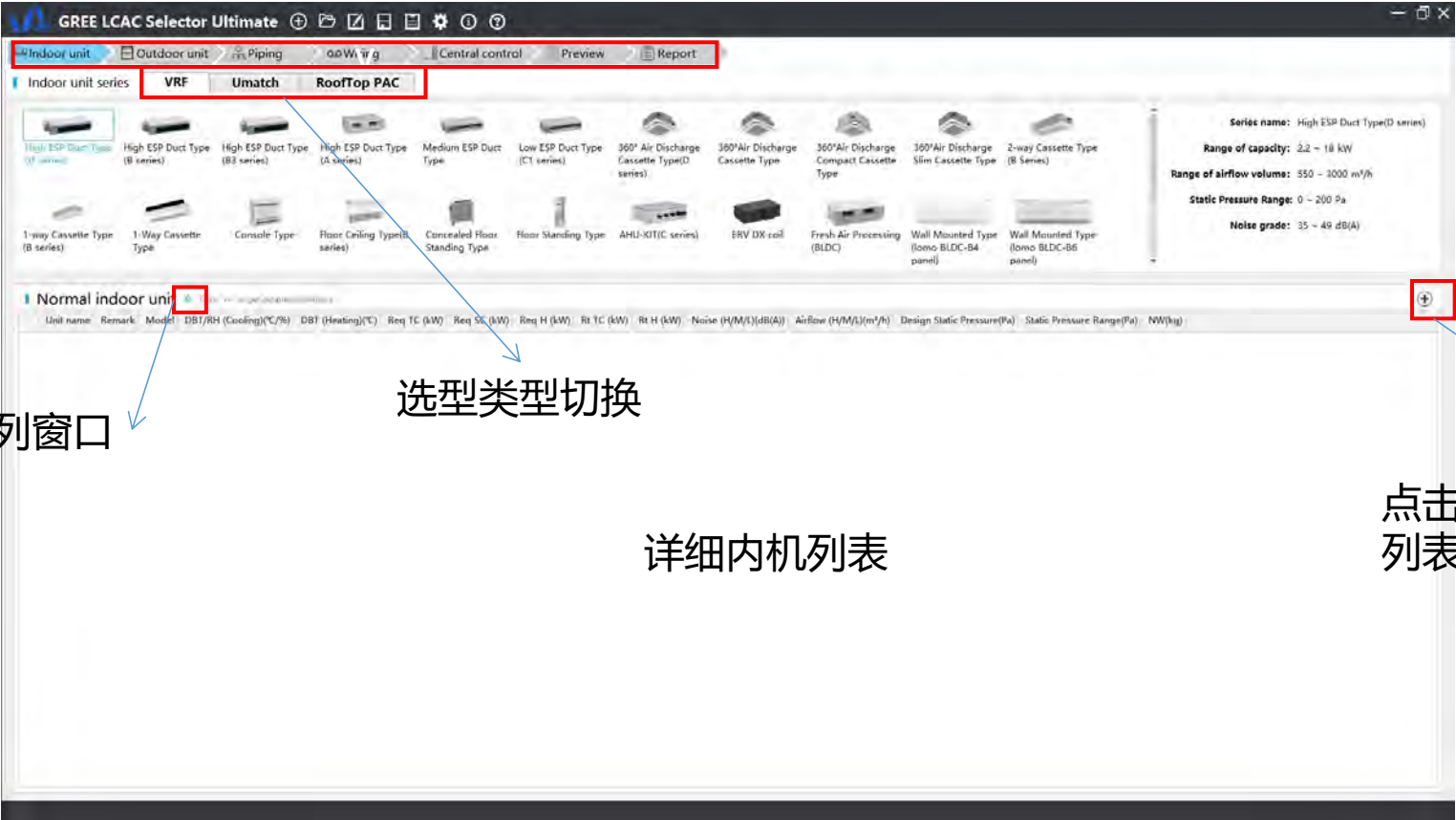
设计者基本信息录入

信息录入完毕后，点击确认，进入内机选型界面

3.内机选型

内机选型界面布局

选型流程导航栏（注：添加内机前，其他界面被屏蔽）



内机系列列表

内机系列信息

点击蓝色箭头弹出参数列窗口

选型类型切换

详细内机列表

点击按钮，或者双击内机系列列表项，弹出添加内机窗口

3.内机选型

详细参数列选择

Normal indoor unit [Click ">>" to get detailed definitions](#)

Unit name	Remark	Model	DBT/RH (Cooling)(°F/%)	DBT (Heating)(°F)	Req TC (kBtu/h)	Req SC (kBtu/h)	Req H (kBtu/h)	Rt TC (kBtu/h)	Rt H (kBtu/h)	Noise (H/M/L)(dB(A))	Airflow (H/M/L)(CFM)
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Specification

Select the following options. It will be displayed in detailed list

<input checked="" type="checkbox"/> Unit name	User-defined unit name
<input checked="" type="checkbox"/> Remark	Unit information remarked by tl
<input checked="" type="checkbox"/> Model	Unit model
<input checked="" type="checkbox"/> DBT/RH (Cooling)(°F/%)	Cooling dry bulb temperature/r
<input checked="" type="checkbox"/> DBT (Heating)(°F)	Heating indoor dry bulb tempe
<input checked="" type="checkbox"/> Req TC (kBtu/h)	Total cooling load of user desig
<input checked="" type="checkbox"/> Req SC (kBtu/h)	Sensible cooling load of user d
<input checked="" type="checkbox"/> Req H (kBtu/h)	Heating load of user design de
<input checked="" type="checkbox"/> Rt TC (kBtu/h)	Rated total cooling capacity of
<input checked="" type="checkbox"/> Rt H (kBtu/h)	Rated heating capacity of air cc
<input checked="" type="checkbox"/> Noise (H/M/L)(dB(A))	Unit noise

1.通过勾选对应的参数选项，来调整内机选型界面中内机展示列表的数据列。

2.说明每个简写列名对应的参数信息

3.内机选型

VRF 添加内机窗口

Unit name: IDU 1

Remark:

IDU Series: AHU-KIT(C series)

AHU Type: ☐ Circulating Air ☒ Fresh Air

☐ Manual selection

Design condition T1 T3 More...

Cooling

Dry bulb temp. 27.00 °C

Wet bulb temp. 19.00 °C

Relative HUM 45.77 %

Heating

Dry bulb temp. 20.00 °C

Required Capacity ☐ Sensible cooling

Total cooling 0 kW

Heating 0 kW

Static pressure 0 Pa

Height Difference

0 m

Add Count: 1 Cancel Add

AHU-KIT

Unit name: IDU 1

Remark:

DU Series: High ESP Duct Type(D series)

☐ Manual selection

Design condition T1 T3 More...

Cooling

Dry bulb temp. 27.00 °C

Wet bulb temp. 19.00 °C

Relative HUM 45.77 %

Heating

Dry bulb temp. 20.00 °C

Required Capacity ☐ Sensible cooling

Total cooling 0 kW

Heating 0 kW

Static pressure 0 Pa

Height Difference

0 m

Add Count: 1 Cancel Add

普通内机

设定内机名称、备注

点击蓝色箭头，或勾选选择框，
弹出手动选择窗口
(添加AHU-KIT时选择AHU类型，
添加之后不可变更)

工况设定

设计负荷
(根据不同的内机系列，
显示不同的设计负荷选型)

其他设定，相对外机落差
(例图示意内外机上下关系)

点击“添加”时，添加一台内机

Unit name: Ind 1

Remark:

IDU series: ERV DX coil

☐ Manual selection

Design condition T1 T3 More...

Cooling

Dry bulb temp. 80.60 °F

Wet bulb temp. 66.20 °F

Relative HUM 45.77 %

Heating

Dry bulb temp. 68.00 °F

Required Capacity

Static pressure 0 inWG

Fresh air 0 CFM

height difference to ODU

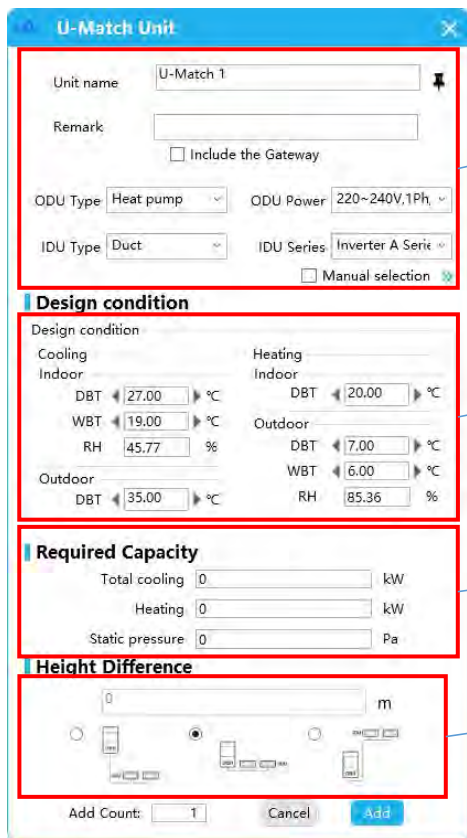
0 ft

Add Count: 1 Cancel Add

新风机

3.内机选型

U-match、RoofTop 添加内机窗口



The U-Match Unit window contains the following sections:

- Unit name:** U-Match 1
- Remark:** (empty)
- ☐ Include the Gateway
- ODU Type:** Heat pump
- ODU Power:** 220~240V,1Ph
- IDU Type:** Duct
- IDU Series:** Inverter A Series
- ☐ Manual selection
- Design condition:**
 - Cooling Indoor:** DBT 27.00 °C, WBT 19.00 °C, RH 45.77 %
 - Heating Indoor:** DBT 20.00 °C
 - Outdoor:** DBT 7.00 °C, WBT 6.00 °C, RH 85.36 %
- Required Capacity:** Total cooling 0 kW, Heating 0 kW, Static pressure 0 Pa
- Height Difference:** 0 m
- Add Count:** 1
- Buttons:** Cancel, Add

U-match

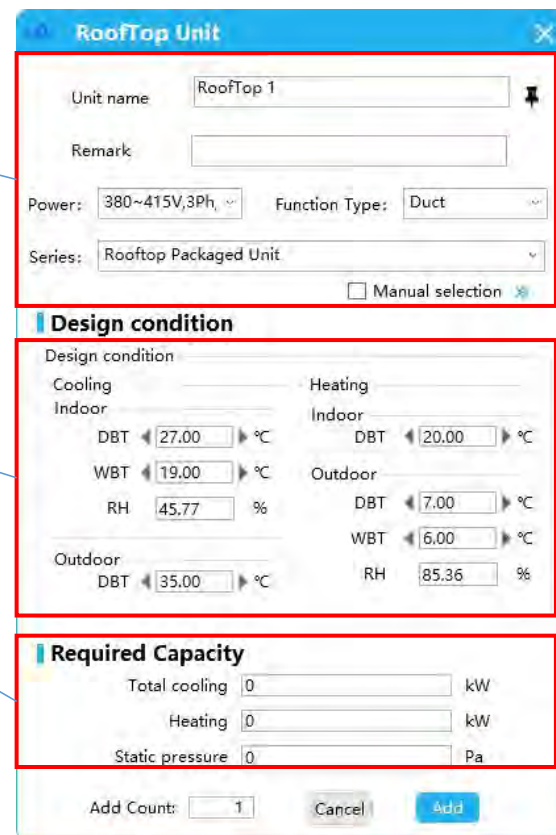
设定内机名称、备注
点击蓝色箭头，或勾选选择框，
弹出手动选择窗口

工况设定

设计负荷
(根据不同的内机系列，
显示不同的设计负荷选型)

其他设定，相对外机落差
(例图示意内外机上下关系)

点击“添加”时，添加一台内机



The RoofTop Unit window contains the following sections:

- Unit name:** RoofTop 1
- Remark:** (empty)
- Power:** 380~415V,3Ph
- Function Type:** Duct
- Series:** Rooftop Packaged Unit
- ☐ Manual selection
- Design condition:**
 - Cooling Indoor:** DBT 27.00 °C, WBT 19.00 °C, RH 45.77 %
 - Heating Indoor:** DBT 20.00 °C
 - Outdoor:** DBT 7.00 °C, WBT 6.00 °C, RH 85.36 %
- Required Capacity:** Total cooling 0 kW, Heating 0 kW, Static pressure 0 Pa
- Add Count:** 1
- Buttons:** Cancel, Add

RoofTop

3.内机选型

自动推荐

Indoor unit

Unit name: IDU 1

Remark:

IDU Series: High ESP Duct Type(D series)

☐ Manual selection

Design condition T1 T3 More...

Cooling

Dry bulb temp. 27.00 °C

Wet bulb temp. 19.00 °C

Relative HUM 45.77 %

Heating

Dry bulb temp. 20.00 °C

Required Capacity ☐ Sensible cooling

Total cooling 0 kW

Heating 0 kW

Static pressure 0 Pa

Height Difference

0 m

Add Count: 1

Cancel Add

Normal indoor unit Click ">>" to get detailed definitions

Unit name	Remark	Model	DBT/RH (Cooling)(°C/%)	DBT (Heating)(°C)	Req TC (kW)	Req SC (kW)	Req H (kW)	Req TC (kW)	Req H (kW)	Noise (H/M/L)(dB(A))	Airflow (H/M/L)(m³/h)
Ind 1		GMV-ND100PHS/B-T	27 / 45.77	20	10	0	10	10	11.2	40/37/35	1800/1450/1250
Ind 2		GMV-ND100PHS/B-T	27 / 45.77	20	10	0	10	10	11.2	40/37/35	1800/1450/1250
Ind 3		GMV-ND100PHS/B-T	27 / 45.77	20	10	0	10	10	11.2	40/37/35	1800/1450/1250

(全自动)

- 1.每次点击add按钮，就会自动根据选择的内机系列，输入的工况、设计负荷来自动选择内机，并添加到内机展示列表
- 2.内机会在后续选项中自动调整
- 3.若无机型满足要求，则会提示原因

(半自动)

- 点击蓝色箭头后，会弹出手动选型窗体，不勾选手动选型框时：
- 1.双击特定型号内机时，将该机型额定功率设定为设计负荷；点击添加时，推荐满足负荷要求的机型，并添加到内机展示列表
 - 2.内机在后续选型中会自动调整

3.内机选型

手动选择

Indoor unit

Unit nameIDU 1

Remark

IDU SeriesHigh ESP Duct Type(D series)

Manual selection

Design condition

Cooling

Dry bulb temp.27.00℃

Wet bulb temp.19.00℃

Relative HUM45.77%

Heating

Dry bulb temp.20.00℃

Required Capacity

Total cooling0kW

Heating0kW

Static pressure0Pa

Height Difference

0m

Add Count:1

Cancel

Add

IndoorUnitSeries

High ESP Duct Type (D series)

High ESP Duct Type (B series)

High ESP Duct Type (A series)

Medium ESP Duct Type

Low ESP Duct Type (C1 series)

360° Air Discharge Cassette Type (D series)

360° Air Discharge Cassette Type

360° Air Discharge Compact Cassette Type

360° Air Discharge Slim Cassette Type

2-way Cassette Type (B Series)

Indoor unit list

Model	Rt TC (kW)	Rt H (kW)	NW(kg)	Noise (H/M/L)(dB(A))	Static Pressure Range(Pa)
GMV-ND22PHS/D-T	2.2	2.5	30.5	35/31/29	0~80
GMV-ND25PHS/D-T	2.5	2.8	30.5	35/31/29	0~80
GMV-ND28PHS/D-T	2.8	3.2	30.5	35/31/29	0~80
GMV-ND32PHS/D-T	3.2	3.6	30.5	36/33/30	0~80
GMV-ND36PHS/D-T	3.6	4	30.5	36/33/30	0~80
GMV-ND40PHS/D-T	4	4.5	31.5	40/36/32	0~80
GMV-ND45PHS/D-T	4.5	5	31.5	40/36/32	0~80
GMV-ND50PHS/D-T	5	5.6	31.5	40/36/32	0~80
GMV-ND56PHS/D-T	5.6	6.3	40.5	40/36/32	0~200
GMV-ND63PHS/D-T	6.3	7.1	40.5	40/36/32	0~200
GMV-ND71PHS/D-T	7.1	8	41	40/36/32	0~200
GMV-ND80PHS/D-T	8	9	41	40/36/32	0~200
GMV-ND90PHS/D-T	9	10	54	42/38/34	0~200
GMV-ND100PHS/D-T	10	11.2	54	42/38/34	0~200

(纯手动)

在勾选手动选型窗口后，会弹出手动选型窗体

1.双击特定型号内机时，若当前输入负荷为“0”，则设定设计负荷，若当前负荷不为“0”，则不改变设计负荷；Model会显示客户选择的具体内机，点击添加时，内机展示列表中添加此机型

2.内机在后续选型中不会调整

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3.内机选型

预览Submittal报告（此功能暂开放北美区域）

Indoor unit

Unit nameIDU 1

Remark

IDU SeriesHigh ESP Duct Type(D series)

☐ Manual selection

Design condition

Cooling

Dry bulb temp.80.60°F

Wet bulb temp.66.20°F

Relative HUM45.77%

Heating

Dry bulb temp.68.00°F

Required Capacity

☐ Sensible cooling

Total cooling0 kBtu/h

Heating0 kBtu/h

Static pressure0 inWG

Height Difference

0 ft

Add Count:1CancelAdd

IndoorUnitSeries

High ESP Duct Type(D series)

High ESP Duct Type(B series)

Slim Duct Type

Low ESP Duct Type

360° Air Discharge Cassette Type(D series)

360° Air Discharge Cassette Type

360° Air Discharge Compact Cassette Type

2-way Cassette Type(B Series)

1-Way Cassette Type

Console Type

Click to preview Submittal report

Preview

Indoor unit list

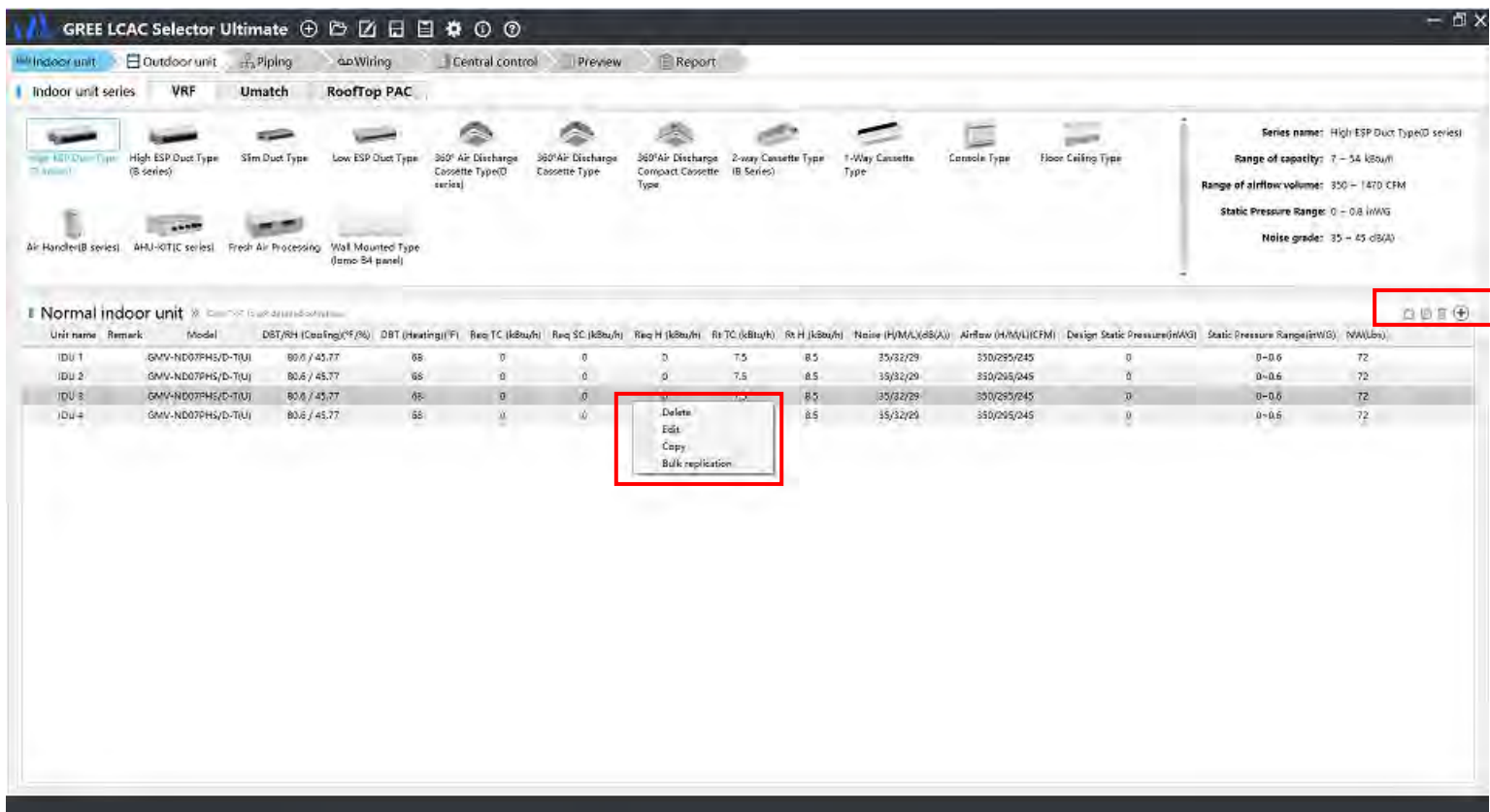
Model	Rt TC (kBtu/h)	Rt H (kBtu/h)	NW(Lbs)	Noise (H/M/L)(dB(A))	Static Pressure Range(in)
GMV-ND07PHS/D-T(U)	7.5	8.5	72	35/32/29	0~0.6
GMV-ND09PHS/D-T(U)	9.5	10.5	72	35/32/29	0~0.6
GMV-ND12PHS/D-T(U)	12	13.5	95	37/35/33	0~0.8
GMV-ND15PHS/D-T(U)	15	17	95	37/35/33	0~0.8
GMV-ND18PHS/D-T(U)	18	20	95	37/35/33	0~0.8
GMV-ND22PHS/D-T(U)	22	24	95	38/36/34	0~0.8
GMV-ND24PHS/D-T(U)	24	27	95	38/36/34	0~0.8
GMV-ND30PHS/D-T(U)	30	34	128	42/39/36	0~0.8
GMV-ND36PHS/D-T(U)	36	40	128	42/39/36	0~0.8
GMV-ND42PHS/D-T(U)	42	47	128	42/39/36	0~0.8
GMV-ND48PHS/D-T(U)	48	54	130	45/42/39	0~0.8
GMV-ND54PHS/D-T(U)	54	60	130	45/42/39	0~0.8

- 1.选择任意系列，点击选中某一型号
- 2.点击“预览”按钮
- 3.操作无误，资源无误的情况下可成功预览Submittal报告
- 4.若无法预览，则会提示相应的原因

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3.内机选型

内机列表操作



单击列表某一内机，表头出现三个图标

右击列表某一内机，出现操作菜单

三个图标对应操作菜单三项：

Delete：可以删除对应的内机

Edit：可以编辑对应的内机

Copy：复制对应的内机

Bulk replication：批量复制对应的内机

3.内机选型

多种内机系列展示

Indoor unit series

VRFUmatchRoofTop PAC

High ESP Duct Type (D series)

High ESP Duct Type (B series)

High ESP Duct Type (B3 series)

High ESP Duct Type (A series)

Medium ESP Duct Type

Low ESP Duct Type (C1 series)

360° Air Discharge Cassette Type (D series)

360° Air Discharge Cassette Type

360° Air Discharge Compact Cassette Type

360° Air Discharge Slim Cassette Type

2-way Cassette Type (B Series)

1-way Cassette Type (B series)

1-Way Cassette Type

Console Type

Floor Ceiling Type (B series)

Concealed Floor Standing Type

Floor Standing Type

AHU-KIT (C series)

ERV DX coil

Fresh Air Processing (BLDC)

Wall Mounted Type (lomo BLDC-B4 panel)

Wall Mounted Type (lomo BLDC-B6 panel)

Series name: AHU-KIT (C series)

Range of capacity: 2.8 ~ 252 kW

Normal indoor unit

Unit name	Remark	Model	DBT/RH (Cooling)(°C/%)	DBT (Heating)(°C)	Req TC (kW)	Req SC (kW)	Req H (kW)	Rt TC (kW)	Rt H (kW)	Noise (H/M/L)(dB(A))	Airflow (H/M/L)(m³/h)	Design Static Pressure(Pa)	Static Pressure Range(Pa)	NW(kg)
IDU 1		GMV-ND90PHS/D-T	27 / 45.77	20	8.79	0	9.96	9	10	42/38/34	1800/1450/1250	0	0~200	54
IDU 2		GMV-ND90PHS/D-T	27 / 45.77	20	8.79	0	9.96	9	10	42/38/34	1800/1450/1250	0	0~200	54
IDU 3		GMV-ND90PHS/D-T	27 / 45.77	20	8.79	0	9.96	9	10	42/38/34	1800/1450/1250	0	0~200	54
IDU 4		GMV-ND90PHS/D-T	27 / 45.77	20	8.79	0	9.96	9	10	42/38/34	1800/1450/1250	0	0~200	54
IDU 5		GMV-ND90PHS/D-T	27 / 45.77	20	8.79	0	9.96	9	10	42/38/34	1800/1450/1250	0	0~200	54
IDU 6		GMV-ND90PHS/D-T	27 / 45.77	20	8.79	0	9.96	9	10	42/38/34	1800/1450/1250	0	0~200	54

Fresh air unit

Unit name	Remark	Model	DBT/RH (Cooling)(°C/%)	DBT (Heating)(°C)	Design fresh air(m³/h)	Design Static Pressure(Pa)	Airflow (H/M/L)(m³/h)	Static Pressure Range(Pa)	Rt TC (kW)	Rt H (kW)	Noise (H/M/L)(dB(A))	NW(kg)
IDU 11		GMV-VDR8PH/SA-S	27 / 45.77	20	0	0	800/600/400	0~150	12	10.6	46/38/33	158
IDU 12		GMV-VDR8PH/SA-S	27 / 45.77	20	0	0	800/600/400	0~150	12	10.6	46/38/33	158
IDU 13		GMV-VDR8PH/SA-S	27 / 45.77	20	0	0	800/600/400	0~150	12	10.6	46/38/33	158
IDU 14		GMV-VDR8PH/SA-S	27 / 45.77	20	0	0	800/600/400	0~150	12	10.6	46/38/33	158
IDU 15		GMV-VDR8PH/SA-S	27 / 45.77	20	0	0	800/600/400	0~150	12	10.6	46/38/33	158
IDU 16		GMV-VDR8PH/SA-S	27 / 45.77	20	0	0	800/600/400	0~150	12	10.6	46/38/33	158

AHU-KIT

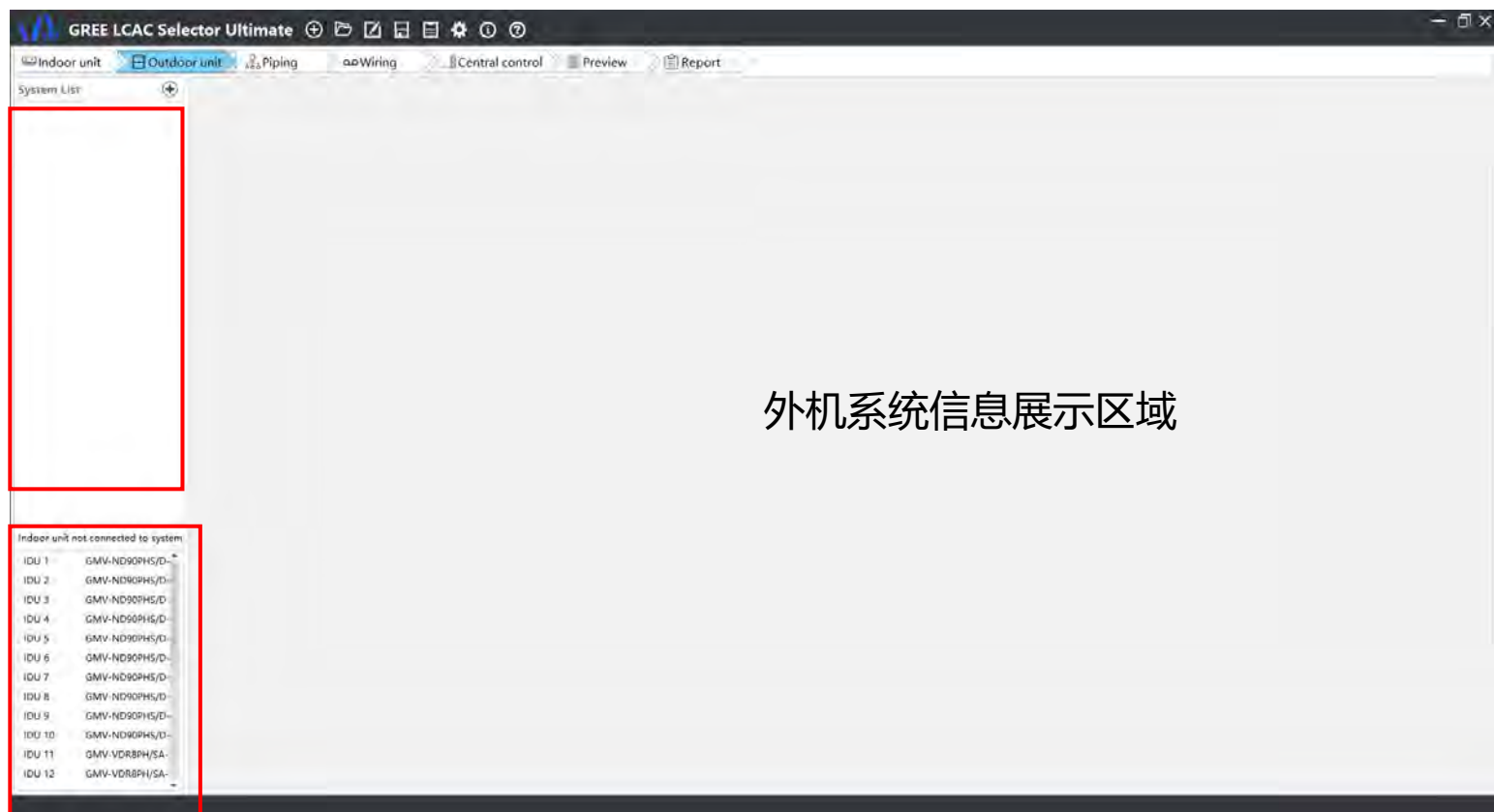
Unit name	Remark	Model	DBT/RH (Cooling)(°C/%)	DBT (Heating)(°C)	Req TC (kW)	Req SC (kW)	Req H (kW)	Rated Capacity(kW)	Range of cooling capacity(kW)	Range of heating capacity(kW)	Suggested Airflow Range(m³/h)	NW(kg)
IDU 21(F)		GMV-N71U/C-T	27 / 45.77	20	8.79	0	9.96	5.6	4.5~5.6	5~6.3	675~1064	10.5
IDU 22(F)		GMV-N71U/C-T	27 / 45.77	20	8.79	0	9.96	5.6	4.5~5.6	5~6.3	675~1064	10.5
IDU 23(F)		GMV-N71U/C-T	27 / 45.77	20	8.79	0	9.96	5.6	4.5~5.6	5~6.3	675~1064	10.5
IDU 24(F)		GMV-N71U/C-T	27 / 45.77	20	8.79	0	9.96	5.6	4.5~5.6	5~6.3	675~1064	10.5
IDU 25(F)		GMV-N71U/C-T	27 / 45.77	20	8.79	0	9.96	5.6	4.5~5.6	5~6.3	675~1064	10.5

由于参数列信息不同，将普通内机、新风机、AHU-KIT分三个区域展示

4.外机选型

外机选型界面布局

内机选型完毕后，点击选型过程导航栏中的外机，进入外机选型界面



外机系统列表

外机系统信息展示区域

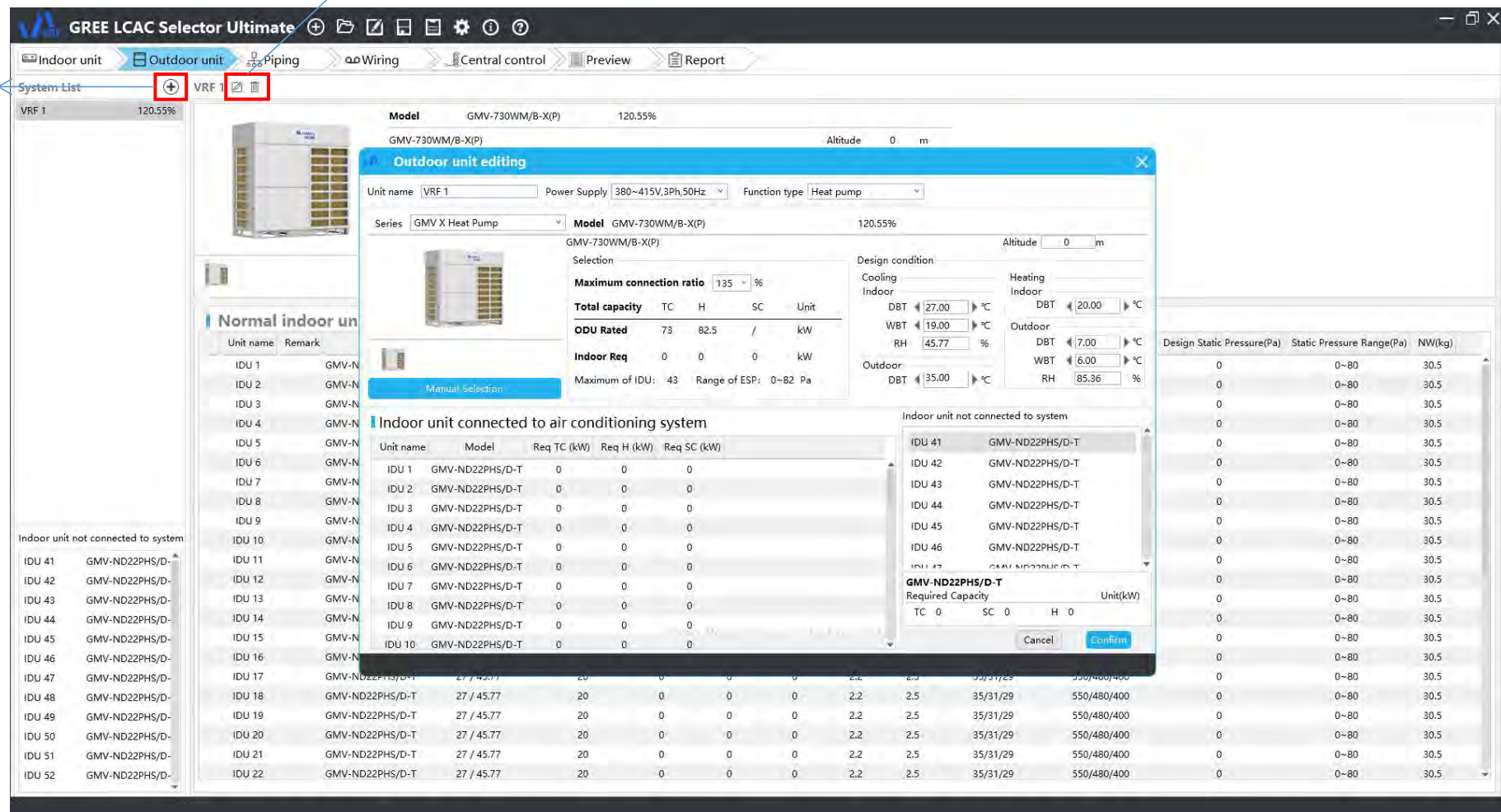
未加入系统的内机列表

4.外机选型

添加外机系统

编辑、删除按钮

添加系统按钮



4.外机选型

系统选型窗口

点击“添加系统”按钮后，弹出系统选型窗口

电源规格选择

编辑系统名称

外机系列选择下拉框

外机系统详细信息表

手动选型按钮

功能类型选择：包含热泵、热回收、热水多联、单冷

设计工况参数

待加入系统的内机列表
单机选中内机，按shift鼠标左键多选，拖动到系统内机列表，完成内机的添加
系统加入内机后，会自动推荐外机

内机参数显示

Outdoor unit editing

Unit name VRF 1


Power Supply 380~415V,3Ph,50Hz

Function type Heat pump

Series GMV X Heat Pump

Model GMV-730WM/B-X(P)

120.55%



Selection

Maximum connection ratio 135 %

Total capacity	TC	H	SC	Unit
ODU Rated	73	82.5	/	kW
Indoor Req	0	0	0	kW

Maximum of IDU: 43 Range of ESP: 0~82 Pa

Altitude 0 m

Cooling

Indoor

DBT 27.00 °C

WBT 19.00 °C

RH 45.77 %

Outdoor

DBT 35.00 °C

Heating

Indoor

DBT 20.00 °C

Outdoor

DBT 7.00 °C

WBT 6.00 °C

RH 85.36 %

Manual Selection

Indoor unit connected to air conditioning system

Unit name	Model	Req TC (kW)	Req H (kW)	Req SC (kW)
IDU 1	GMV-ND22PHS/D-T	0	0	0
IDU 2	GMV-ND22PHS/D-T	0	0	0
IDU 3	GMV-ND22PHS/D-T	0	0	0
IDU 4	GMV-ND22PHS/D-T	0	0	0
IDU 5	GMV-ND22PHS/D-T	0	0	0
IDU 6	GMV-ND22PHS/D-T	0	0	0
IDU 7	GMV-ND22PHS/D-T	0	0	0
IDU 8	GMV-ND22PHS/D-T	0	0	0
IDU 9	GMV-ND22PHS/D-T	0	0	0
IDU 10	GMV-ND22PHS/D-T	0	0	0

系统内机列表

Indoor unit not connected to system

IDU 41 GMV-ND22PHS/D-T

IDU 42 GMV-ND22PHS/D-T

IDU 43 GMV-ND22PHS/D-T

IDU 44 GMV-ND22PHS/D-T

IDU 45 GMV-ND22PHS/D-T

IDU 46 GMV-ND22PHS/D-T

IDU 47 GMV-ND22PHS/D-T

GMV-ND22PHS/D-T

Required Capacity

TC 0 SC 0 H 0

Unit(kW)

Cancel

Confirm

4. 外机选型

水源外机选型

水源外机选型

Outdoor unit editing

Unit nameVRF 2Power Supply380~415V,3Ph,50HzFunction typeWater pump(GMV Water)

SeriesGMV WATER III Heat pumpModelGMV-W252WM/C-X69.84 %

Selection

Maximum connection ratio135 %

Total capacity	TC	H	SC	Unit
ODU Rated	25.2	28.5	/	kW
Indoor Req	0	0	0	kW

Maximum of IDU: 14Range of ESP: 0 Pa

Manual Selection

Design condition

Cooling

Indoor

DBT27.00 °C

WBT19.00 °C

RH45.77 %

Outdoor

IWT35.00 °C

Heating

Indoor

DBT20.00 °C

Outdoor

IWT10 °C

WaterFlow

Water Flow6.00 m³/h

Altitude0 m

Indoor unit connected to air conditioning system

Unit name	Model	Req TC (kW)	Req H (kW)	Req SC (kW)
IDU 41	GMV-ND22PHS/D-T	0	0	0
IDU 42	GMV-ND22PHS/D-T	0	0	0
IDU 43	GMV-ND22PHS/D-T	0	0	0
IDU 44	GMV-ND22PHS/D-T	0	0	0
IDU 45	GMV-ND22PHS/D-T	0	0	0
IDU 46	GMV-ND22PHS/D-T	0	0	0
IDU 47	GMV-ND22PHS/D-T	0	0	0
IDU 48	GMV-ND22PHS/D-T	0	0	0

系统内机列表

Indoor unit not connected to system

IDU 49GMV-ND22PHS/D-T

IDU 50GMV-ND22PHS/D-T

IDU 51GMV-ND22PHS/D-T

IDU 52GMV-ND22PHS/D-T

IDU 53GMV-ND22PHS/D-T

IDU 54GMV-ND22PHS/D-T

IDU 55GMV-ND22PHS/D-T

GMV-ND22PHS/D-T

Required Capacity

Unit(kW)

TC 0SC 0H 0

Cancel

Confirm

水源工况
IWT——进水温度
WaterFlow——水流量

4.外机选型

手动选型，外机模块自由搭配

在内机拖放完毕后，点击手动选择或外机模块搭配按钮，会显示模块组合界面

设定推荐外机系统的配置率范围

在设定的配置率范围内推荐的外机系统

Manual Selection

Maximum of IDU: 50 Range of ESP: 0~110 Pa DBT 35.00 °C RH 85.36 %

Free combination modules of the same series Free combination modules across different series

Range of connection ratio(%) Lower limit 50 Upper limit 135

	Ratio(%)	Rt TC (kW)	Rt H (kW)	Model	Unit module	Unit module	Unit module	Unit module
<input type="radio"/>	129.41	85	95	GMV-Y850WM/D-X(S)	GMV-Y400WM/D-X(^	GMV-Y450WM/D-X(^		
<input type="radio"/>	122.22	90	100	GMV-Y900WM/D-X(S)	GMV-Y450WM/D-X(^	GMV-Y450WM/D-X(^		
<input type="radio"/>	114.58	95.8	108	GMV-Y960WM/D-X(S)	GMV-Y280WM/D-X(^	GMV-Y280WM/D-X(^	GMV-Y400WM/D-X(^	
<input type="radio"/>	108.91	100.8	113	GMV-Y1010WM/D-X(S)	GMV-Y280WM/D-X(^	GMV-Y280WM/D-X(^	GMV-Y450WM/D-X(^	
<input type="radio"/>	103.29	106.2	119	GMV-Y1065WM/D-X(S)	GMV-Y280WM/D-X(^	GMV-Y335WM/D-X(^	GMV-Y450WM/D-X(^	
<input type="radio"/>	97.35	112.9	126.5	GMV-Y1130WM/D-X(S)	GMV-Y280WM/D-X(^	GMV-Y400WM/D-X(^	GMV-Y450WM/D-X(^	

Screen unit type

Cancel Confirm

可以根据实际情况，自由的选择外机系统的组成模块（最多四个模块）

点击确认，外机选型完成

4.外机选型

手动选型，外机模块自由搭配

在内机拖放完毕后，点击手动选择或外机模块搭配按钮，会显示模块组合界面

目前仅支持特定系列进入该功能

当前组合配置率，额定能力

可以根据实际情况，自由的选择外机系统的组成系统类型、模块（最多四个模块）

点击确认，外机选型完成

4.外机选型

特殊模块选型

当选择部分GMV6热泵系列时，
会出现蓄热模块选型按钮

Outdoor unit editing

Unit name: VRF 1 Power Supply: 380~415V,3Ph,50Hz Function type: Heat pump

Series: 6 Heat Pump (Universal series) Model: GMV-735WM/G-X 119.73 %

Selection: GMV-335WM/G-X+GMV-400WM/G-X

Maximum connection ratio: 135 %

Total capacity: TC 73.5 H 82.5 SC / Unit kW

ODU Rated: 73.5 82.5 / kW

Indoor Req: 0 0 0 kW

Maximum of IDU: 46 Range of ESP: 0~110 Pa

Design condition

Cooling Indoor DBT: 27.00 °C WBT: 19.00 °C RH: 45.77 % Outdoor DBT: 35.00 °C WBT: 6.00 °C RH: 85.36 %

Heating Indoor DBT: 20.00 °C Outdoor DBT: 7.00 °C WBT: 6.00 °C RH: 85.36 %

Manual Selection

Indoor unit connected to air conditioning system

Unit name	Model	Req TC (kW)	Req H (kW)	Req SC (kW)
IDU 1	GMV-ND22PHS/D-T	0	0	0
IDU 2	GMV-ND22PHS/D-T	0	0	0
IDU 3	GMV-ND22PHS/D-T	0	0	0
IDU 4	GMV-ND22PHS/D-T	0	0	0
IDU 5	GMV-ND22PHS/D-T	0	0	0
IDU 6	GMV-ND22PHS/D-T	0	0	0
IDU 7	GMV-ND22PHS/D-T	0	0	0
IDU 8	GMV-ND22PHS/D-T	0	0	0
IDU 9	GMV-ND22PHS/D-T	0	0	0
IDU 10	GMV-ND22PHS/D-T	0	0	0

Indoor unit not connected to system

IDU 41 GMV-ND22PHS/D-T

IDU 42 GMV-ND22PHS/D-T

IDU 43 GMV-ND22PHS/D-T

IDU 44 GMV-ND22PHS/D-T

IDU 45 GMV-ND22PHS/D-T

IDU 46 GMV-ND22PHS/D-T

GMV-ND22PHS/D-T

Required Capacity Unit(kW)

TC 0 SC 0 H 0

Cancel Confirm

当选择欧盟GMV6 HR或热水多联外机时，
会出现热水模块选型按钮

Outdoor unit editing

Unit name: VRF 1 Power Supply: 380~415V,3Ph,50Hz Function type: Heat recovery

Series: GMV6 Heat Recovery(EU) Model: GMV-VQ680WM/C-X 129.41 %

Selection: GMV-VQ280WM/C-X+GMV-VQ400WM/C-X

Maximum connection ratio: 135 %

Total capacity: TC 68 H 76.5 SC / Unit kW

ODU Rated: 68 76.5 / kW

Indoor Req: 0 0 0 kW

Maximum of IDU: 39 Range of ESP: 0~110 Pa

Design condition

Cooling Indoor DBT: 27.00 °C WBT: 19.00 °C RH: 45.77 % Outdoor DBT: 35.00 °C WBT: 6.00 °C RH: 85.36 %

Heating Indoor DBT: 20.00 °C Outdoor DBT: 7.00 °C WBT: 6.00 °C RH: 85.36 %

Manual Selection

Indoor unit connected to air conditioning system

Unit name	Model	Req TC (kW)	Req H (kW)	Req SC (kW)
IDU 1	GMV-ND22PHS/D-T	0	0	0
IDU 2	GMV-ND22PHS/D-T	0	0	0
IDU 3	GMV-ND22PHS/D-T	0	0	0
IDU 4	GMV-ND22PHS/D-T	0	0	0
IDU 5	GMV-ND22PHS/D-T	0	0	0
IDU 6	GMV-ND22PHS/D-T	0	0	0
IDU 7	GMV-ND22PHS/D-T	0	0	0
IDU 8	GMV-ND22PHS/D-T	0	0	0
IDU 9	GMV-ND22PHS/D-T	0	0	0
IDU 10	GMV-ND22PHS/D-T	0	0	0

Indoor unit not connected to system

IDU 41 GMV-ND22PHS/D-T

IDU 42 GMV-ND22PHS/D-T

IDU 43 GMV-ND22PHS/D-T

IDU 44 GMV-ND22PHS/D-T

IDU 45 GMV-ND22PHS/D-T

IDU 46 GMV-ND22PHS/D-T

IDU 47 GMV-ND22PHS/D-T

GMV-ND22PHS/D-T

Required Capacity Unit(kW)

TC 0 SC 0 H 0

Cancel Confirm

4.外机选型

特殊模块选型——蓄热模块

Series: 6 Heat Pump (Universal series) | Model: GMV-680WM/G-X | 129.41 %

Altitude: 0 m

Selection

Maximum connection ratio: 135 %

Total capacity	TC	H	SC	Unit
ODU Rated	68	76.5	/	kW
Indoor Req	0	0	0	kW

Maximum of IDU: 39 | Range of ESP: 0~110 Pa

Design condition

Cooling

Indoor

DBT: 27.00 °C

WBT: 19.00 °C

RH: 45.77 %

Outdoor

DBT: 35.00 °C

Heating

Indoor

DBT: 20.00 °C

Outdoor

DBT: 7.00 °C

WBT: 6.00 °C

RH: 85.36 %

Manual Selection

Storage heat module selection

点击蓄热模块按钮，
进入蓄热模块选型面板

点击返回按钮，
返回外机设计工况面板

Series: 6 Heat Pump (Universal series) | Model: GMV-680WM/G-X | 129.41 %

Altitude: 0 m

Selection

Maximum connection ratio: 135 %

Total capacity	TC	H	SC	Unit
ODU Rated	68	76.5	/	kW
Indoor Req	0	0	0	kW

Maximum of IDU: 39 | Range of ESP: 0~110 Pa

Confirm and Return

☐ Storage heat module

Allow access to the configuration ratio: 90 - 150 %

Actual access to the configuration ratio: 0.00 %

Model	Rated Capacity	Count
XRZ180L/A-T	18 kW	0
Total	0 kW	0

Manual Selection

勾选蓄热模块，根据当前外机
容量自动推荐蓄热模块数量

勾选蓄热模块后，激活输入框，
可手动输入蓄热模块数量

4.外机选型

特殊模块选型——热水模块（热水多联）

Series: GMV5 Home Model: GMV-S140WL/A-S 110.00 %

Altitude: 0 m

Selection

Maximum connection ratio: 110 %

Total capacity	TC	H	SC	Unit
ODU Rated	14	16.5	/	kW
Indoor Req	0	0	0	kW

Maximum of IDU: 8 Range of ESP: 0 Pa

Design condition

Cooling

Indoor

DBT: 27.00 °C

WBT: 19.00 °C

RH: 45.77 %

Outdoor

DBT: 35.00 °C

Heating

Indoor

DBT: 20.00 °C

Outdoor

DBT: 7.00 °C

WBT: 6.00 °C

RH: 85.36 %

Manual Selection

点击热水模块按钮，
进入热水模块选型面板

是否选择 热水/地暖/太阳能——勾选框

☒ Hot water ☒ Floor heating ☐ Connected to solar energy?

Hot water

Demand: Total demand of hot water: 0 L

Number of people: 0 Daily water consumption per capita: 0 L

Hot Water Generator

Hot Water Generator 1 Fall with outdoor unit: 0 m

Water tank Total volume of water tank: L

Water tank 1 Fall with outdoor unit: 0 m

Water tank 2 Fall with outdoor unit: 0 m

Floor heating

Total load of floor heat: 0 kW

Room type: Living room Heat load index: 140 w/m² Room area: 0 m²

Return to model selection for outdoor unit

点击返回按钮，
返回外机设计工况面板

热水面板

地暖面板

4.外机选型

特殊模块选型——热水模块（GMV6 HR）

Maximum connection ratio	TC	H	SC	Unit
110 ~ %				
ODU Rated	22.4	25	/	kW
Indoor Req	0	0	0	kW

Maximum of IDU: 13 Range of ESP: 0~110 Pa

点击热水模块按钮，
进入热水模块选型面板

是否选择 热水/地暖/太阳能——勾选框

☐ Hot water ☐ Floor heating ☐ Connected to solar energy?

Demand: Total demand of hot water L Total demand of floor heating kW

Hot Water Generator Total load of floor heat kW

Hot Water Generator 1 Floor Heating 1 kW Fall with outdoor unit m

Hot Water Generator 2 Floor Heating 2 kW Fall with outdoor unit m

Water tank Total volume of water tank L

Water tank 1 volume of water 1 L Fall with Generator m

Water tank 2 volume of water 2 L Fall with Generator m

点击返回按钮，
返回外机设计工况面板

总需求输入栏

热水发生器和地暖

水箱

4. 外机选型

外机Submittal预览（此功能暂开放北美区域）

Outdoor unit editing

Unit name: VRF 1 Power Supply: 208~230V,3Ph,60Hz Function type: Heat pump Click to preview Submittal report Preview

Series: Ultra Heat GMV6 HR(AHRI) Model: GMV-VQ72WM/C-F(U) 97.22 %

GMV-VQ72WM/C-F(U)

Selection

Maximum connection ratio: 135 %

Total capacity

	TC	H	SC	Unit
ODU Rated	72	81	/	kBtu/h
Indoor Req	0	0	0	kBtu/h

Maximum of IDU: 13 Range of ESP: 0~0.44 inWG

Design condition

Cooling

Indoor

DBT: 80.60 °F WBT: 66.20 °F RH: 45.77 %

Outdoor

DBT: 95.00 °F

Heating

Indoor

DBT: 68.00 °F

Outdoor

DBT: 44.60 °F WBT: 42.80 °F RH: 85.36 %

Altitude: 0 ft

Manual Selection

Indoor unit connected to air conditioning system

Unit name	Model	Req TC (kBtu/h)	Req H (kBtu/h)	Req SC (kBtu/h)
IDU 1	GMV-ND07PHS/D-T(U)	0	0	0
IDU 2	GMV-ND07PHS/D-T(U)	0	0	0
IDU 3	GMV-ND07PHS/D-T(U)	0	0	0
IDU 4	GMV-ND07PHS/D-T(U)	0	0	0
IDU 5	GMV-ND07PHS/D-T(U)	0	0	0
IDU 6	GMV-ND07PHS/D-T(U)	0	0	0
IDU 7	GMV-ND07PHS/D-T(U)	0	0	0
IDU 8	GMV-ND07PHS/D-T(U)	0	0	0
IDU 9	GMV-ND07PHS/D-T(U)	0	0	0
IDU 10	GMV-ND07PHS/D-T(U)	0	0	0

Indoor unit not connected to system

GMV-ND07PHS/D-T(U)

Required Capacity



	TC	SC	H	Unit(kBtu/h)
	0	0	0	

Cancel Confirm

- 1.当接入内机后，自动推荐或手动选择一个型号的外机
- 2.点击“预览”按钮
- 3.操作无误，资源无误的情况下可成功预览Submittal报告
- 4.若无法预览，则会提示相应的原因

4.外机选型

点击确认后，外机选型完成，在外机选型界面，外机系统结构显示区域会显示选择的外机系统的详细信息

	Model		GMV-730WM/B-X(P)		120.55%												
	GMV-730WM/B-X(P)					Altitude		0		m							
	Selection					Design condition											
	Total capacity		TC	H	SC	Unit	Cooling			Heating							
							Indoor			Indoor							
	ODU Rated		73	82.5	/	kW	DBT			27	°C	DBT		20	°C		
	Indoor Req		0	0	0	kW	WBT			19	°C	Outdoor					
							RH			45.77	%	DBT			7	°C	
												WBT			6	°C	
							Outdoor					RH			85.36	%	
	Maximum of IDU:		43	Range of ESP:		0~82 Pa		DBT			35	°C					

→ 外机系统信息

Normal indoor unit Click ">>" to get detailed definitions										
Unit name	Remark	Model	DBT/RH (Cooling)(°C/%)	DBT (Heating)(°C)	Req TC (kW)	Req SC (kW)	Req H (kW)	Rt TC (kW)	Rt H (kW)	No
IDU 1		GMV-ND22PHS/D-T	27 / 45.77	20	0	0	0	2.2	2.5	
IDU 2		GMV-ND22PHS/D-T	27 / 45.77	20	0	0	0	2.2	2.5	

→ 系统包含内机列表的详细信息

5.配管连接

配管界面（以热泵系统为例）

配管操作工具栏

图例

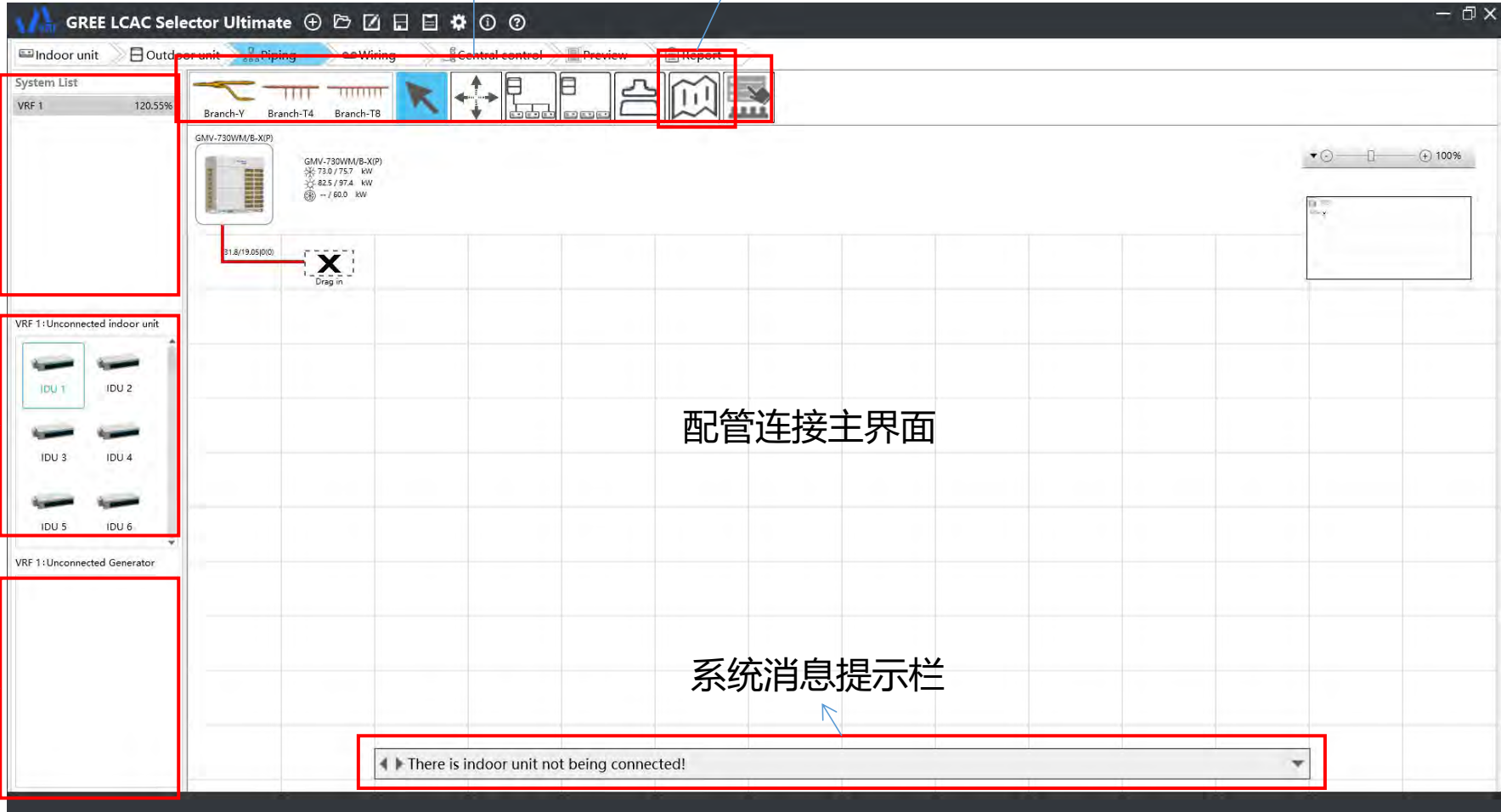
外机系统列表

未接入配管连接的内机列表

未接入配管连接的热水发生器列表

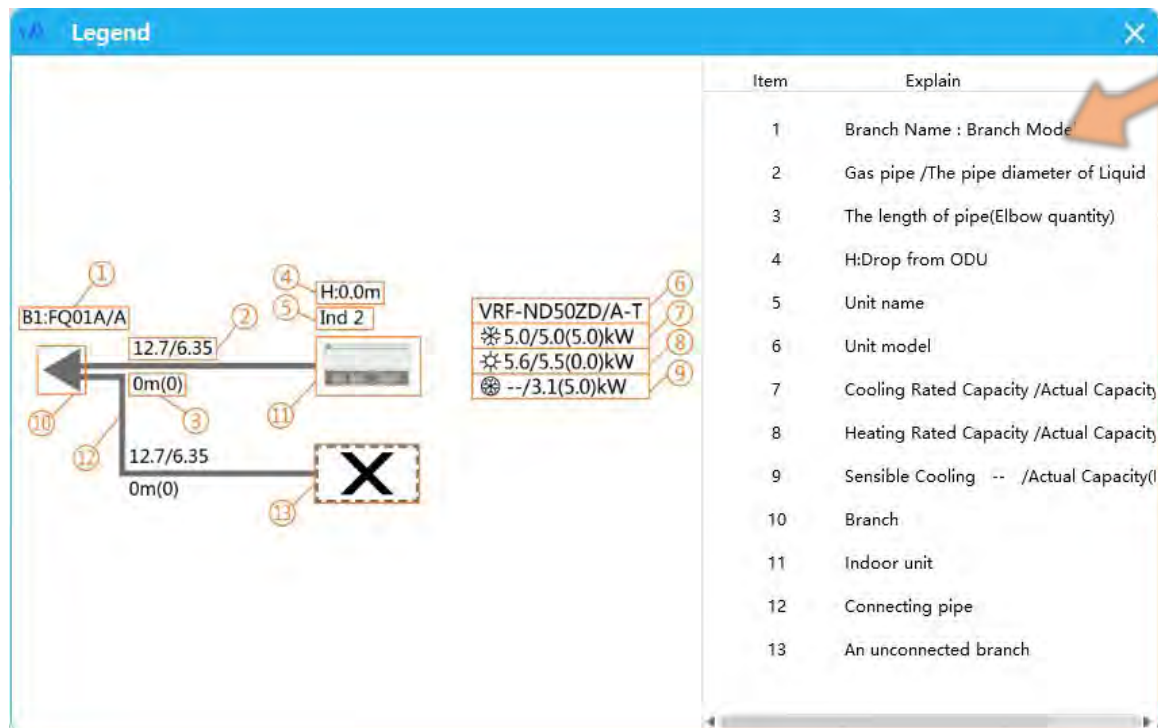
配管连接主界面

系统消息提示栏



5.配管连接

配管图例

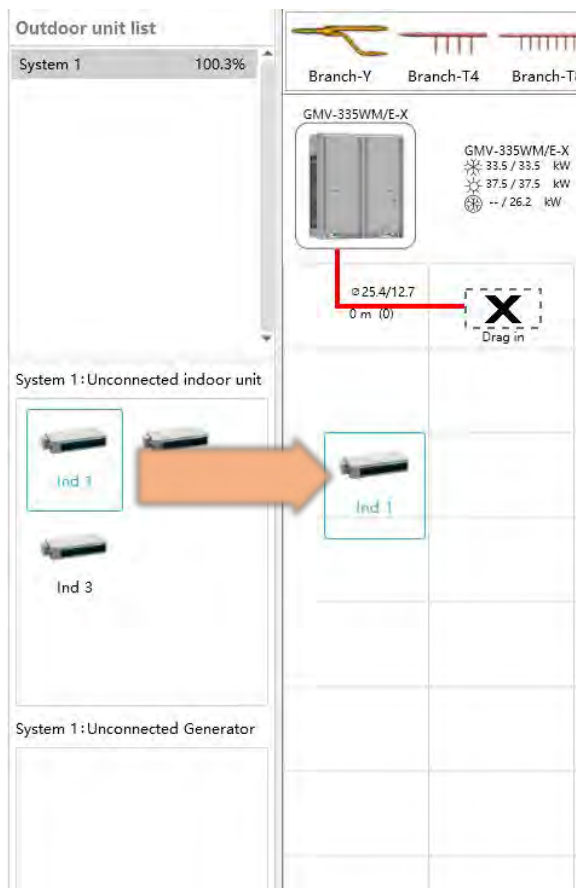


点击图例按钮，弹出图例
信息窗口

5.配管连接

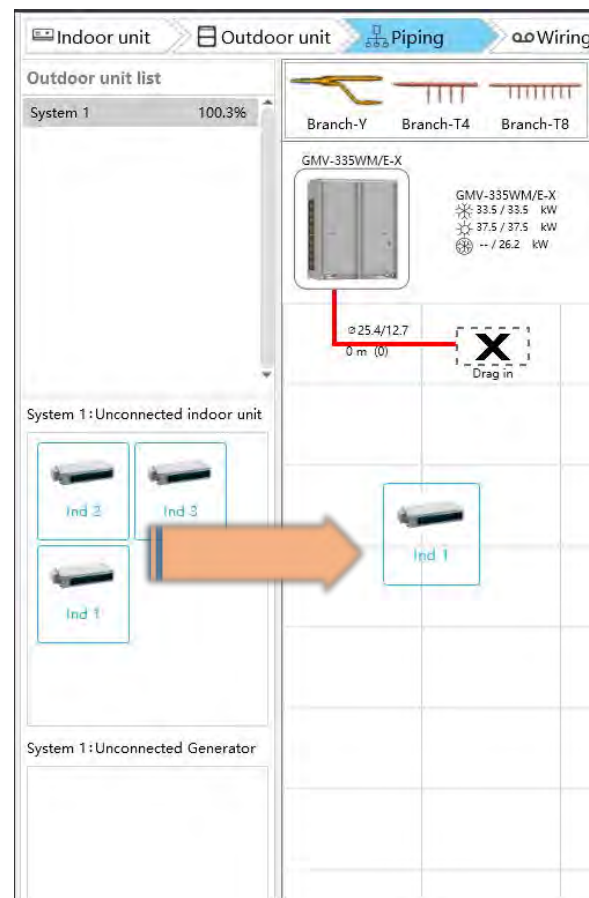
配管连接流程→拖动内机

单台内机拖动



鼠标左键点击内机图标，按住不放拖动至配管主界面

多台内机拖动

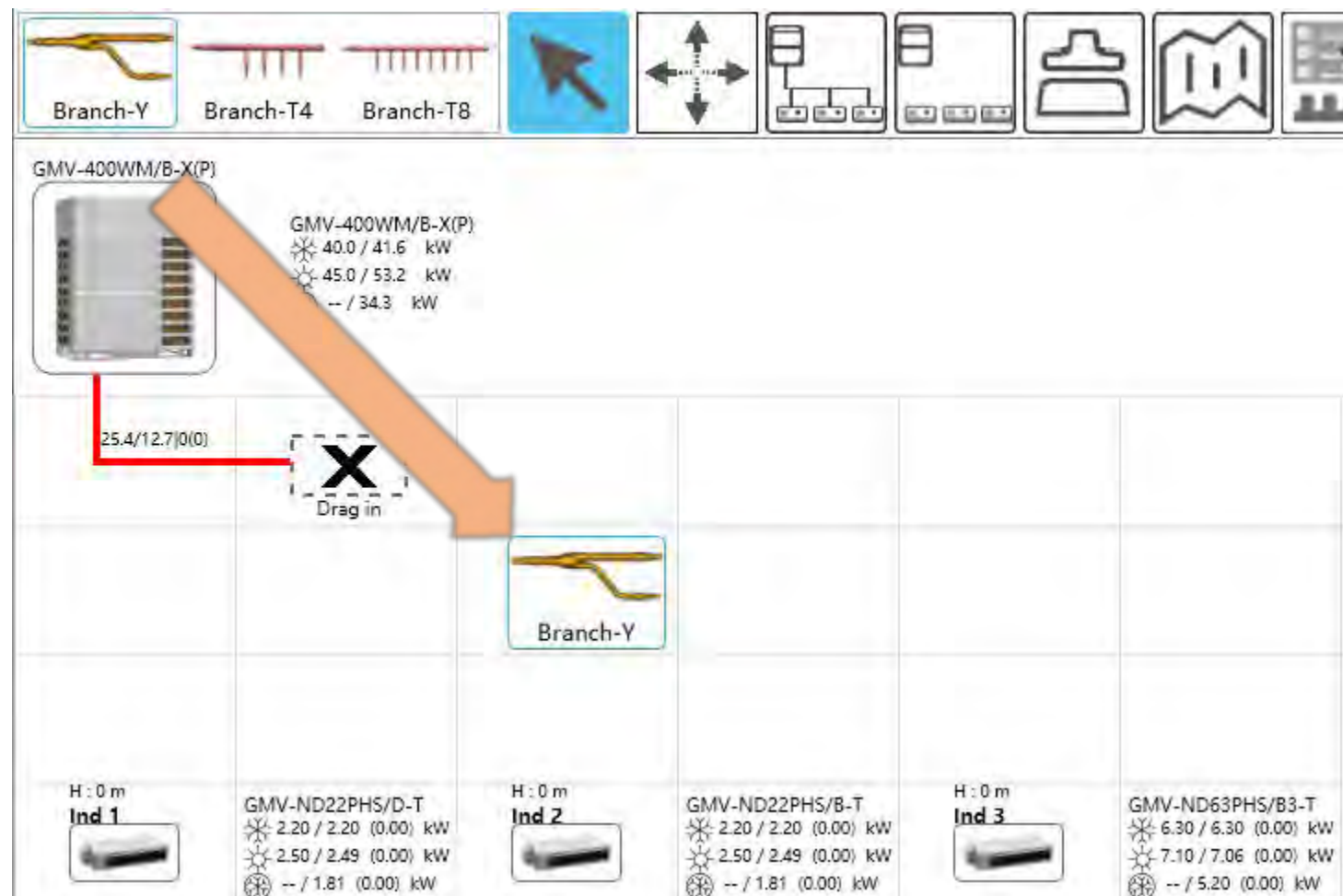


按住Shift键不放，选择多台内机，拖动内机的同时不松开Shift，添加多台内机到配管连接界面

5.配管连接

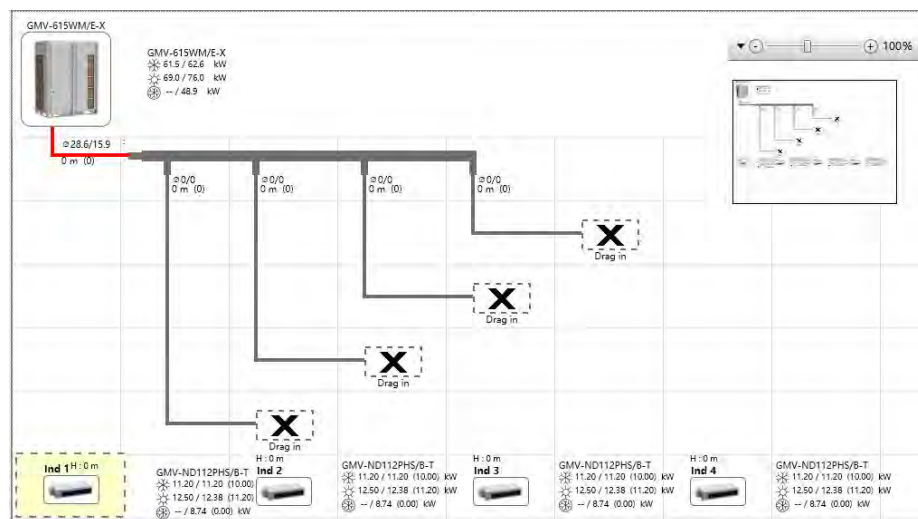
配管连接流程→拖动分歧管

根据需求选择合适的分歧管，鼠标左键点击，拖动到配管连接界面

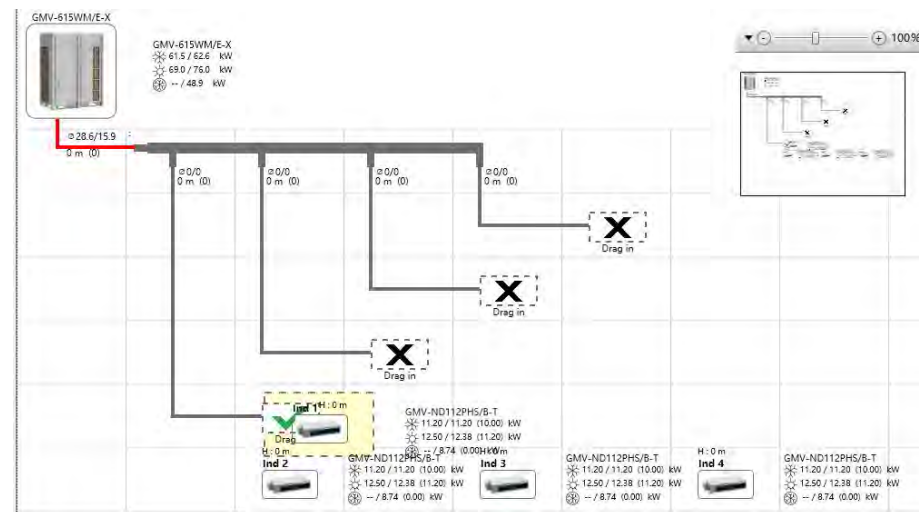


5.配管连接

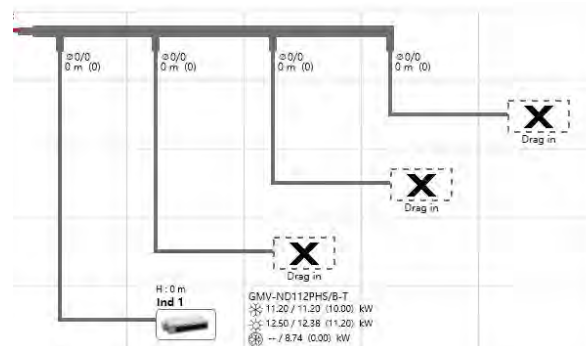
配管连接流程→分歧管与内机的连接



鼠标左键点击内机周围，拖动至分歧管连接末端“x”标识处



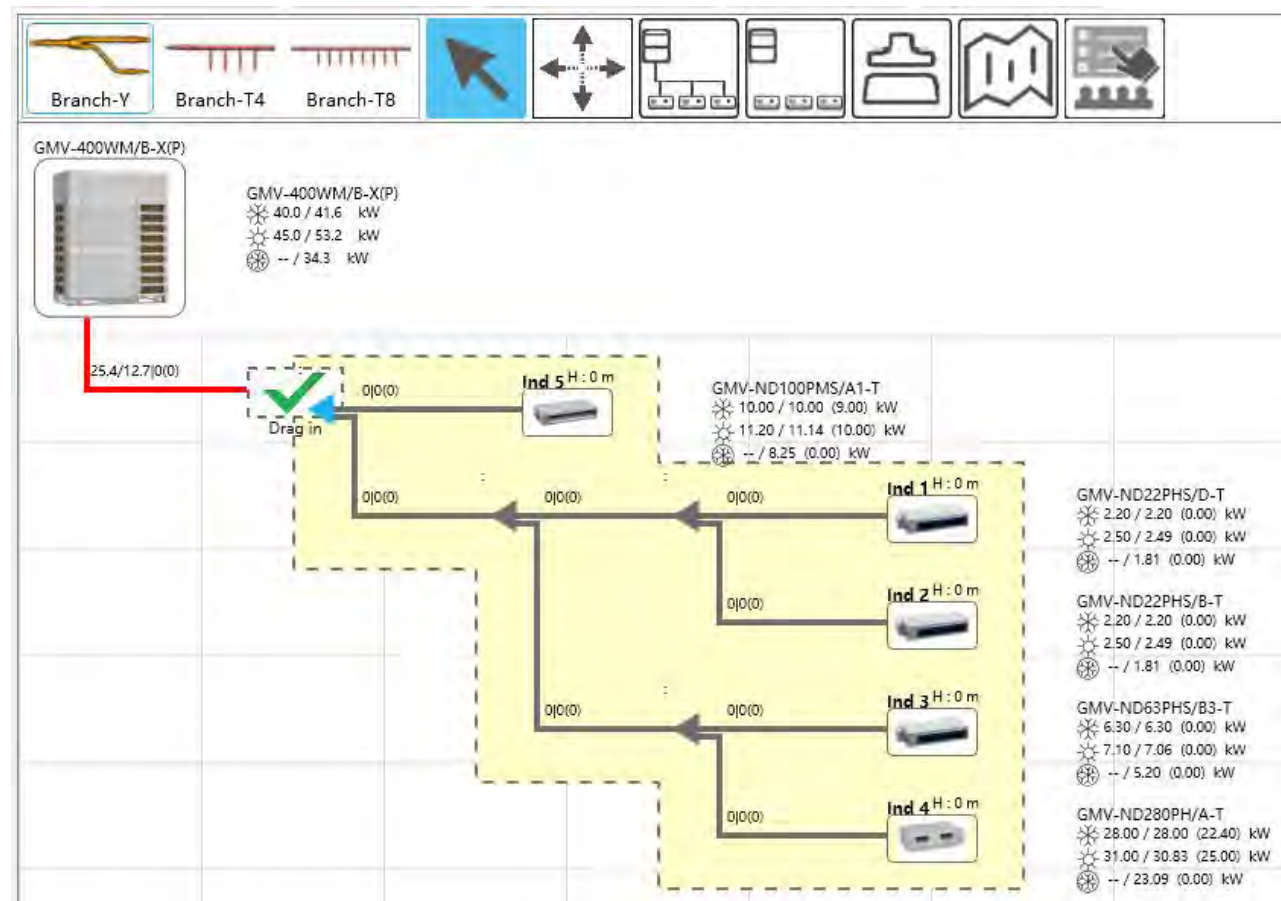
待分歧管连接末端出现“v”符号时，松开鼠标左键，完成分歧管与内机的连接



5.配管连接

配管连接流程→室内侧与室外侧连接

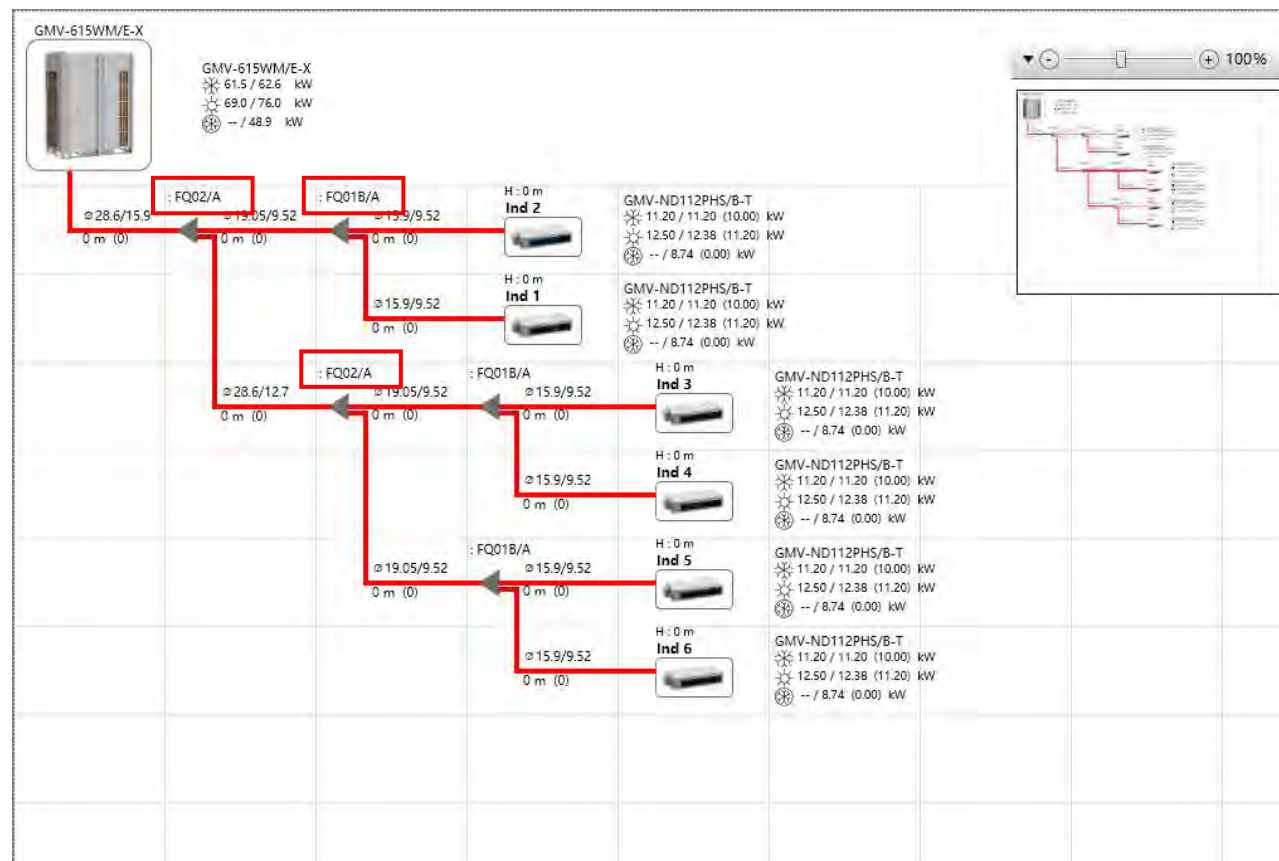
待所有内机同分歧管连接完毕后，拖动整个配管网络的第一个分歧管的周围，同内机连接分歧管类似，拖动到室外侧，完成室外侧与室内侧的连接。



5.配管连接

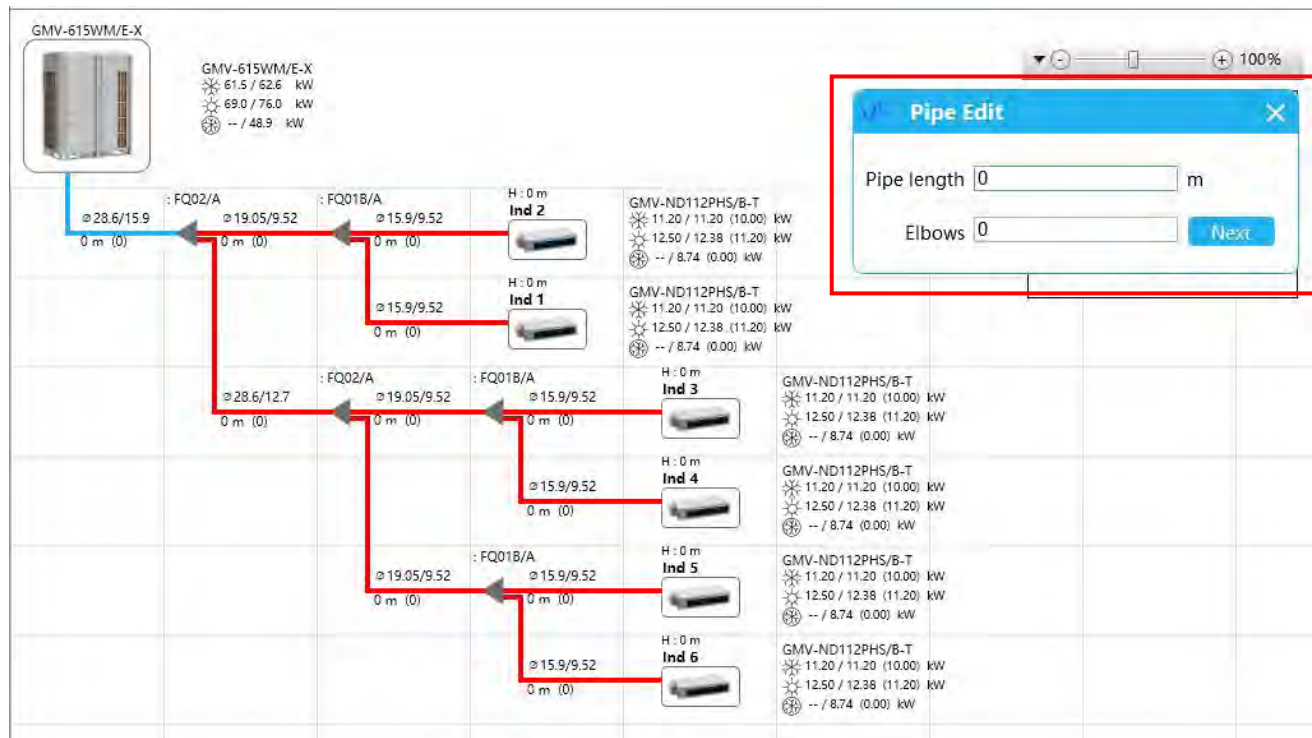
配管连接流程→分歧管选型

待室内侧与室外侧连接完毕后，
整个配管网络树分歧管会进行
自动选型。



5.配管连接

配管连接流程→配管长度与弯头数量录入

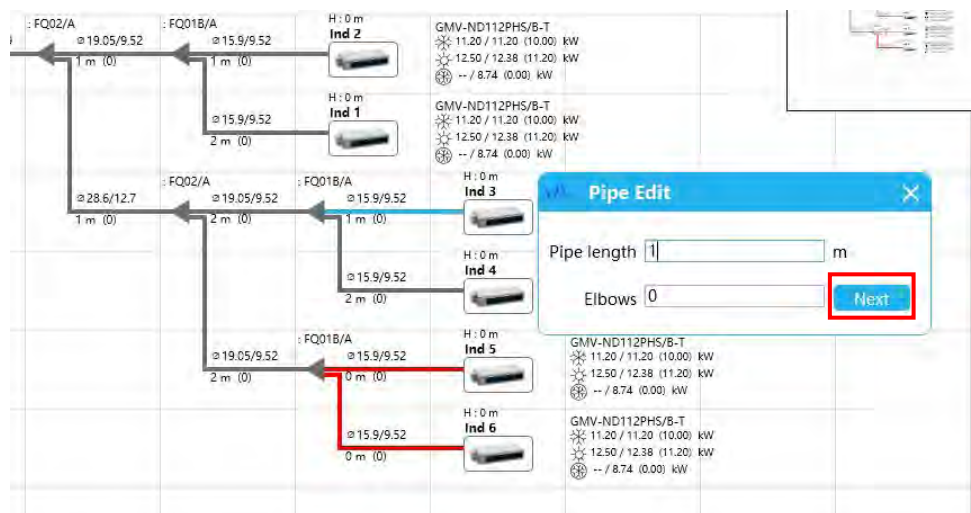


将鼠标移动到任意一端管路上，待管路颜色状态变化时，双击鼠标左键，弹出管长、弯头数编辑窗口。

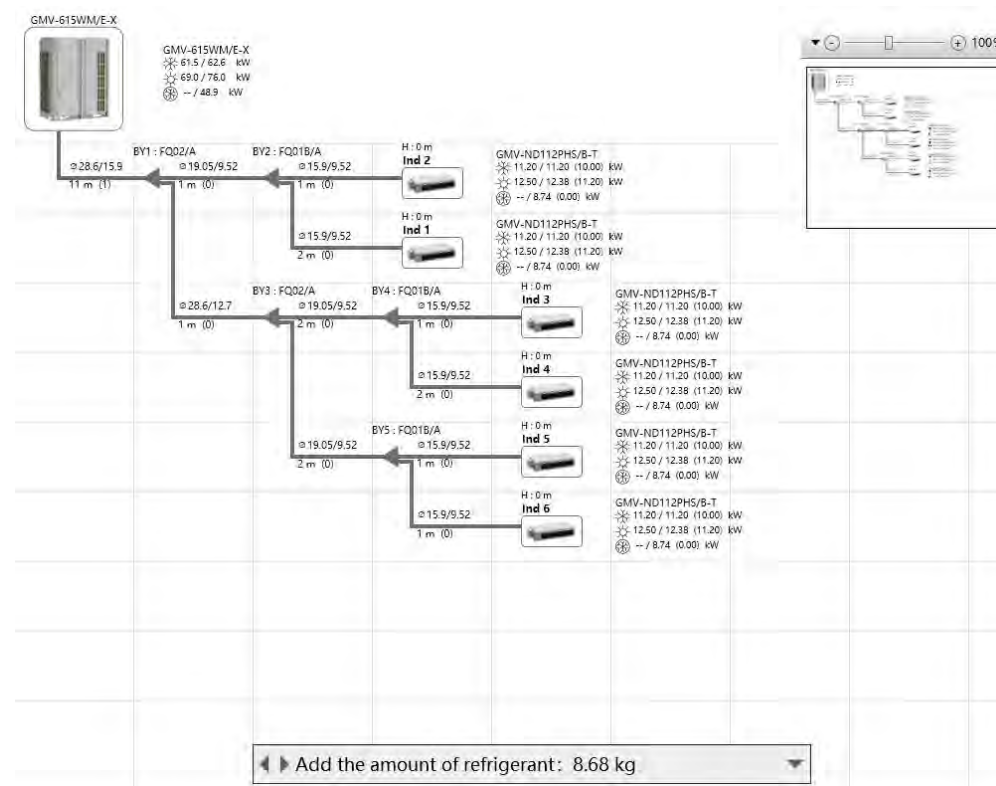
按键盘“↑”、“↓”键切换输入框。

5.配管连接

配管连接流程→配管长度与弯头数量录入

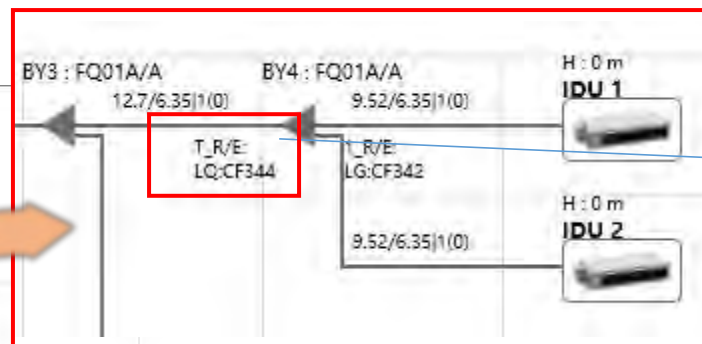


录入完毕管长、弯头数后，点击Next键或按“Enter”键，会自动切换到下一段管长为0的管路上进行录入。



全部数据录入完毕后，整个配管网络树结构

配管连接流程→变径管选型



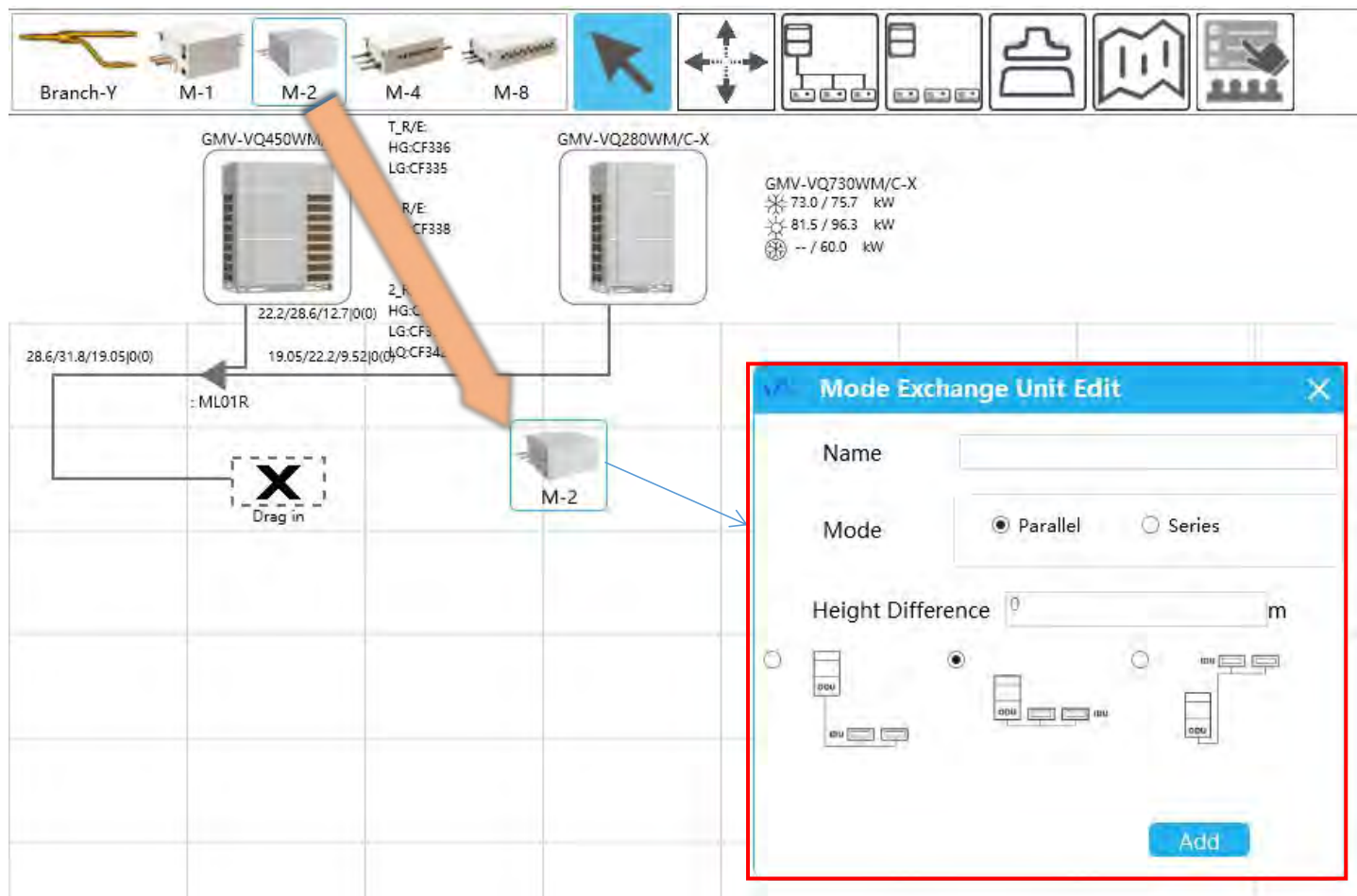
变径管型号

当分歧管型号与配管管径选型完成之后，会对配管与所连接分歧管分支进行管径匹配：

- 1.可以直接匹配时，该分支选择与配管管径一致的管径
- 2.不能直接匹配时，自动推荐出合适的变径管进行衔接
- 3.若无合适的变径管，则统计出对应管径区间

5.配管连接

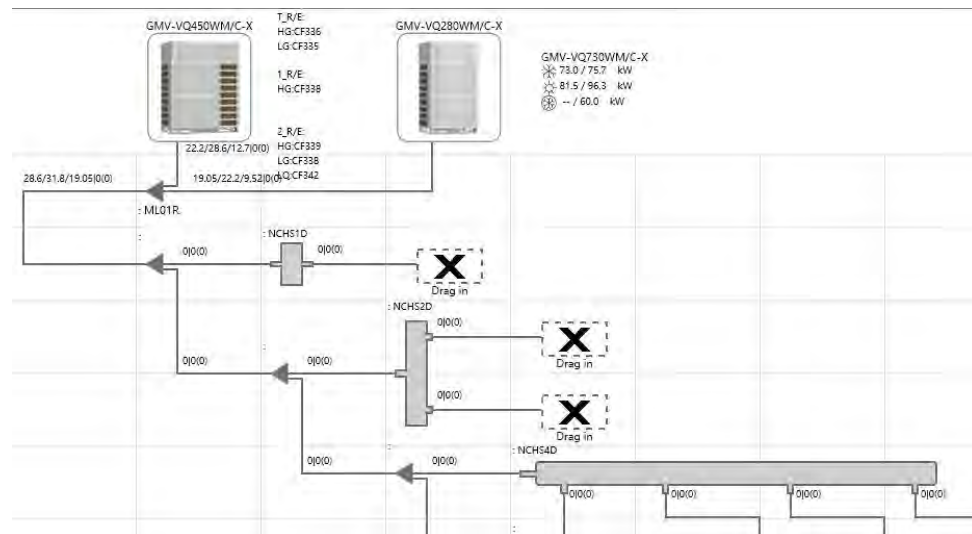
配管连接流程→模式转换器选型



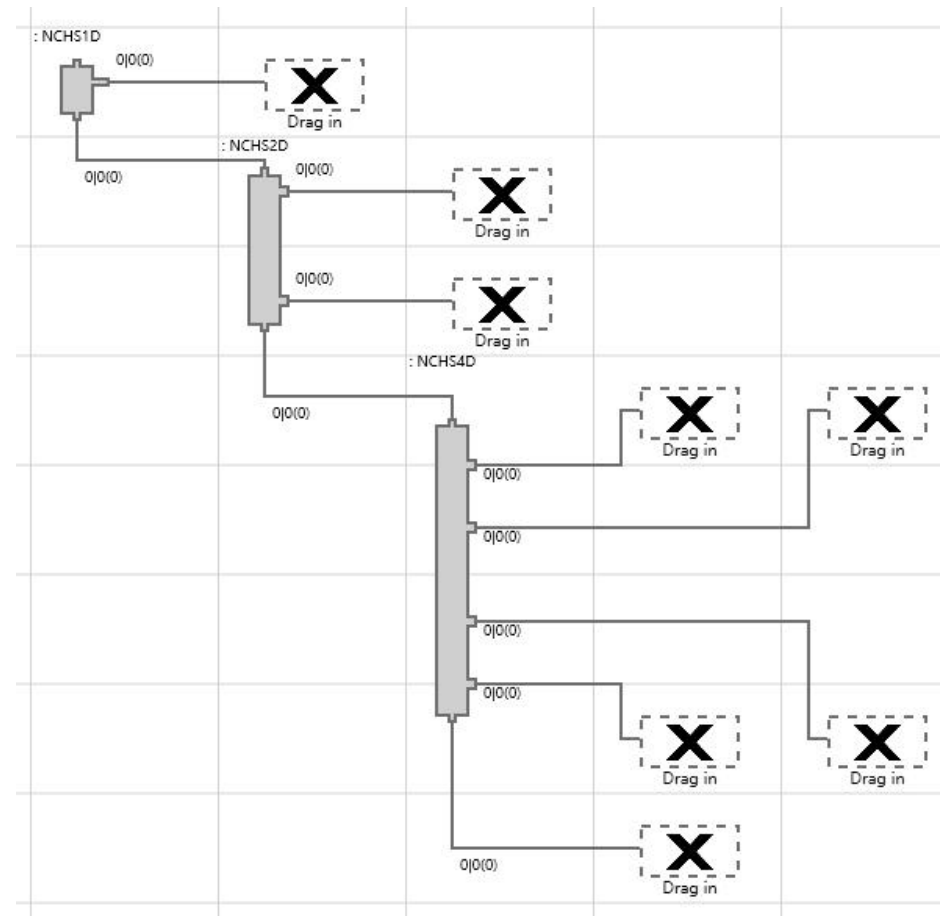
- 1.通过快捷键或从工具栏将模式转换器拖动到工作区域
- 2.在窗口区域完成模式转换器的模式编辑，或在工作区域双击模式转换器打开该窗口
- 3.完成设置后，可进入串联或并联两种选型模式

5.配管连接

配管连接流程→模式转换器选型



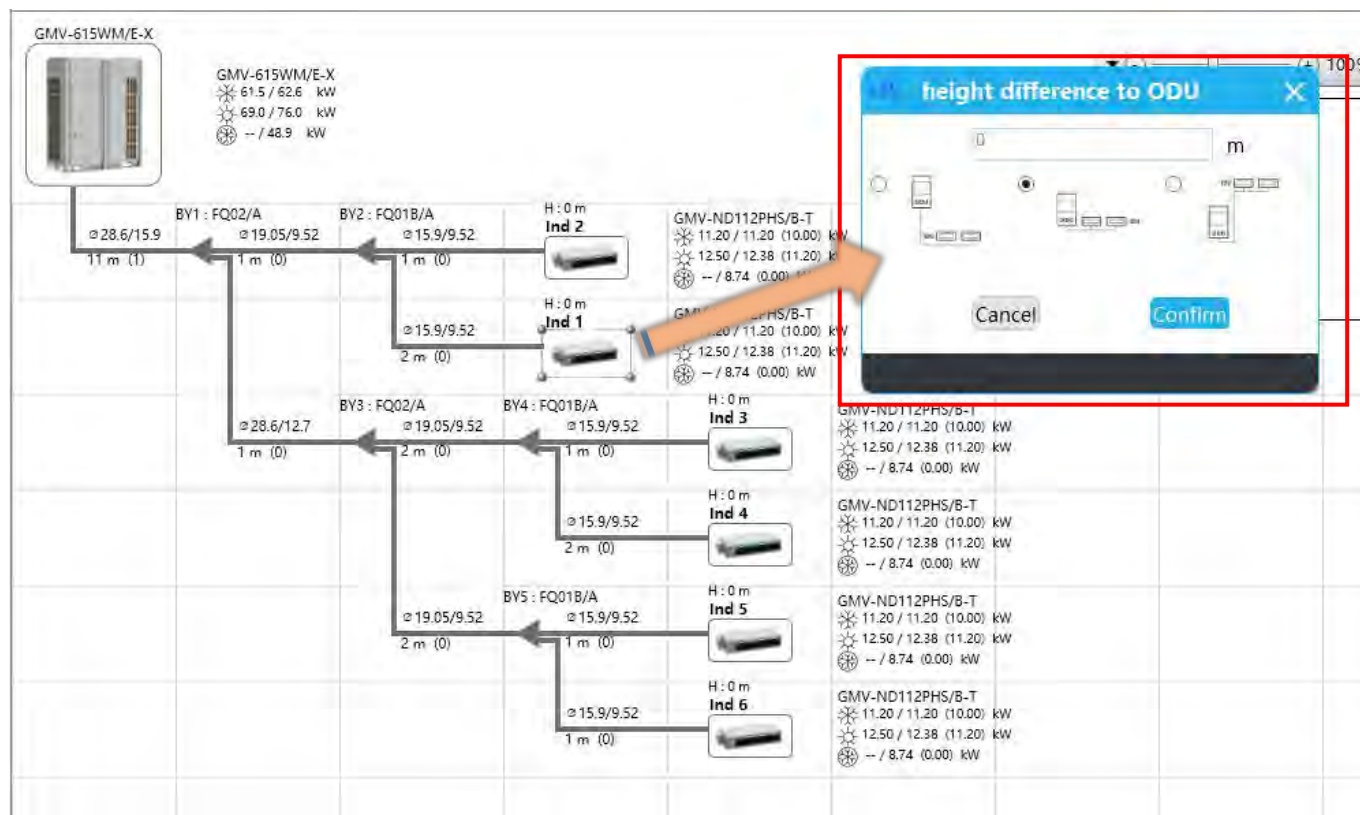
串联选型方式



并联选型方式

5.配管连接

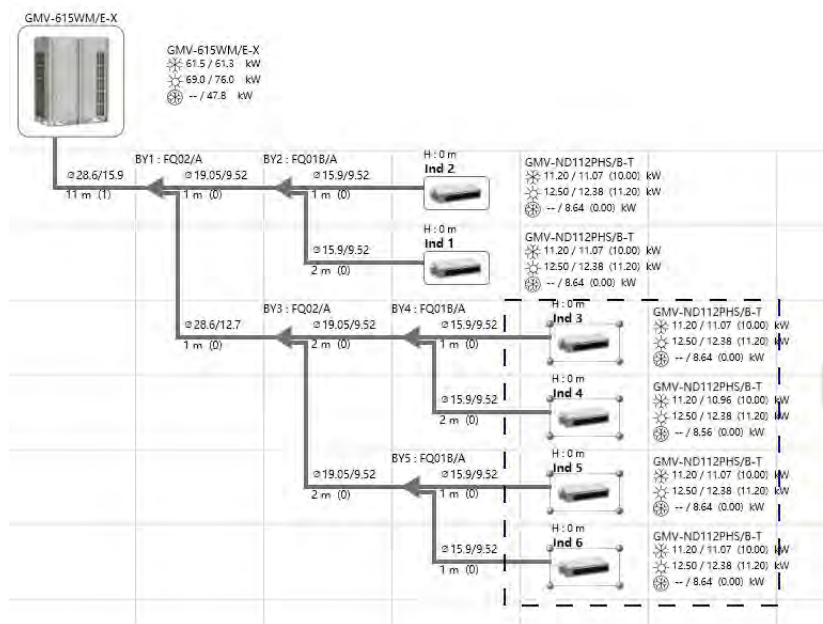
落差设置



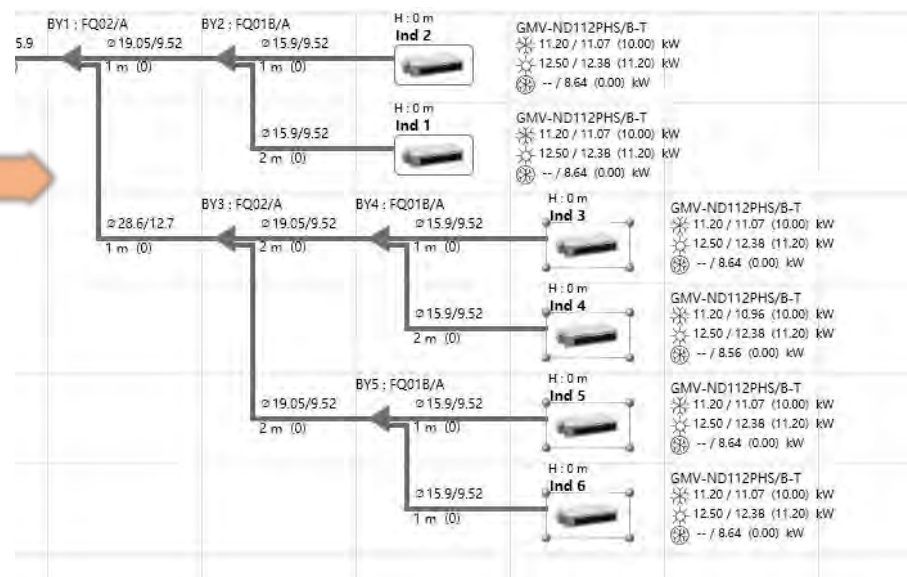
配管页面双击内机/蓄热模块
图片会弹出落差设置窗口，可
以进行落差设置。

5.配管连接

配管连接编辑→框选



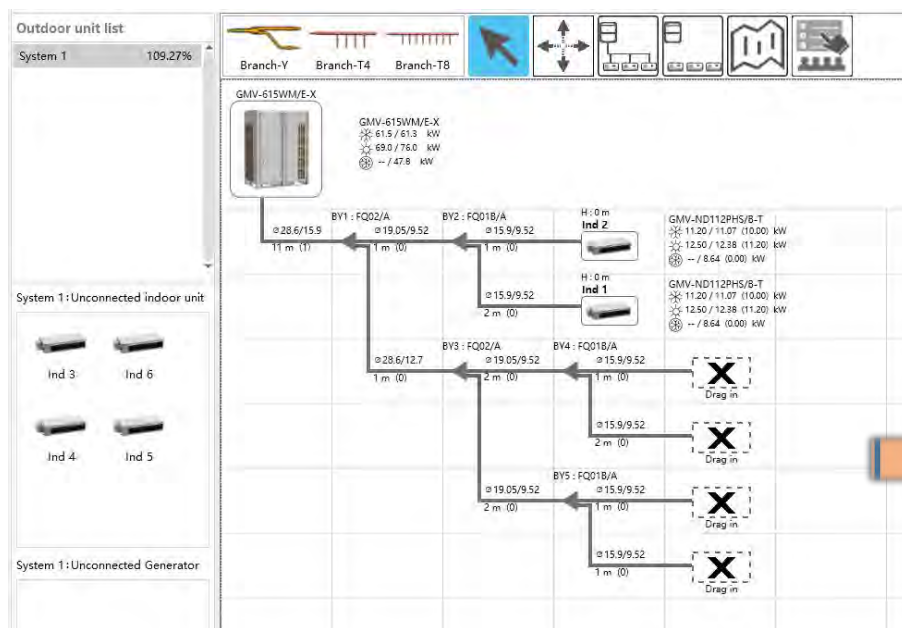
框选完成后，被选中的设备四周会出现四个圆点



在配管连接空白区域按住鼠标左键，拖动鼠标，会出现虚线框，框选需要操作的设备，释放鼠标左键，完成框选

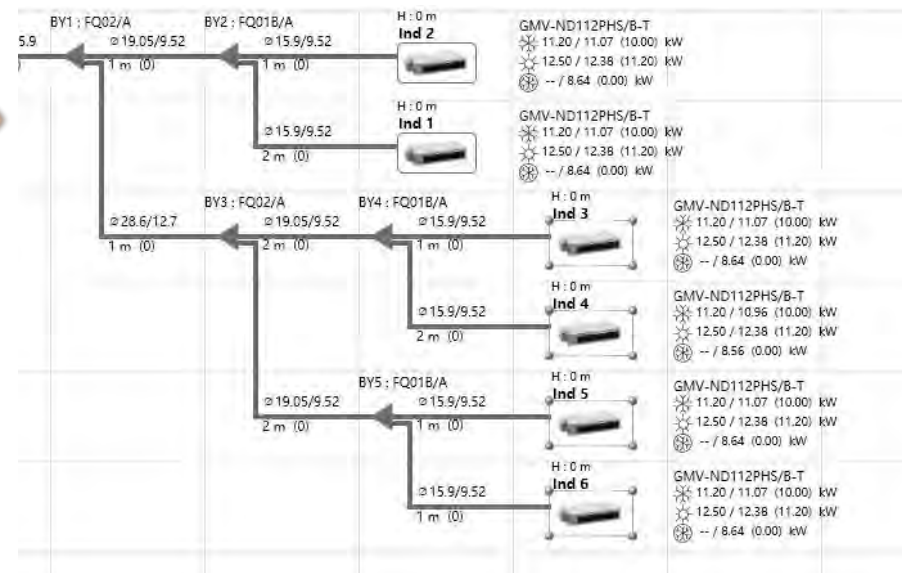
5.配管连接

配管连接编辑→删除



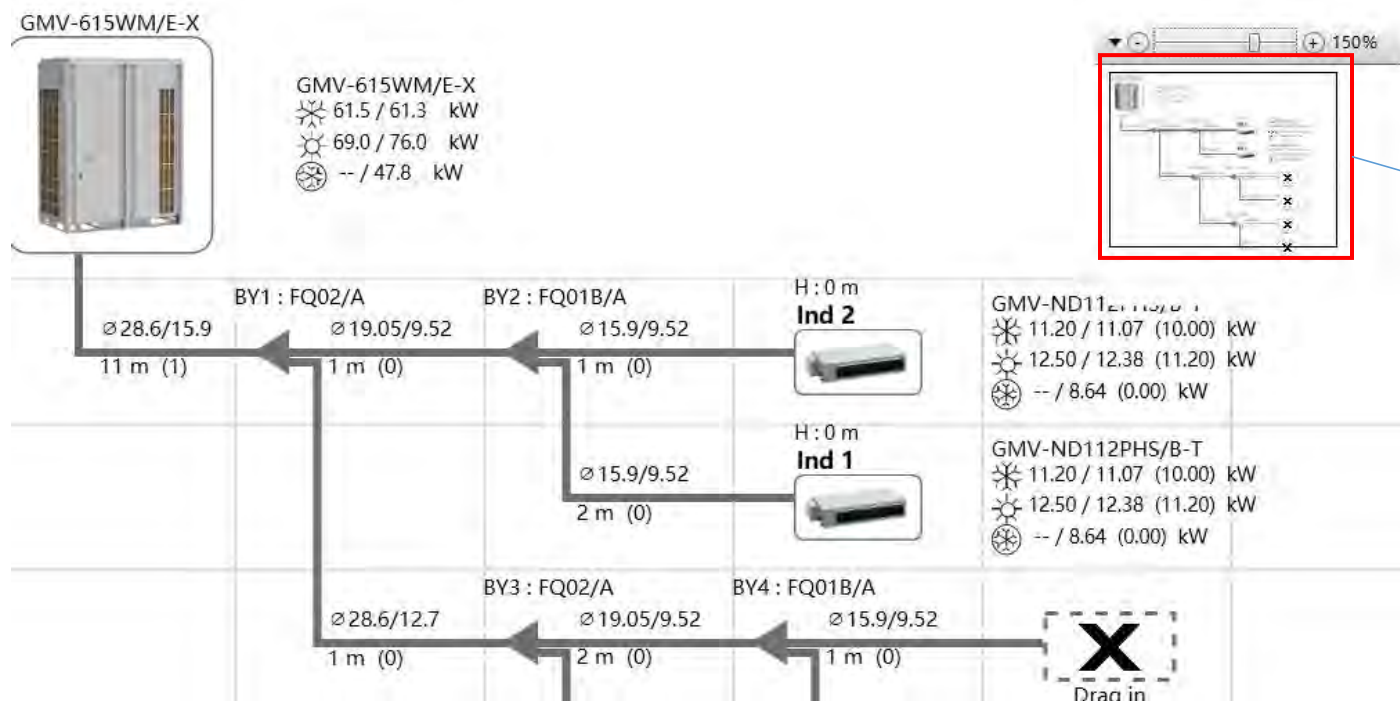
框选或者单选完毕所有的设备后，点击键盘“Delete”键

会将框选的设备删除，如果框选的设备中包含内机，内机就会被放置在未连接的内机列表中



5.配管连接

配管连接编辑→缩放



如果界面中无法全部展示配管连接树，通过鼠标滑动方框，来调整显示局部区域。

在配管连接的界面右上角有一个缩略图展示窗体，可以通过调整滑动块进行缩放比例调整。

5.配管连接

配管连接编辑→快捷键

VRF 1: Unconnected indoor unit



Alt-A: 向鼠标所在位置添加内机设备

VRF 1: Unconnected Generator



Alt-D: 向鼠标所在位置添加热水发生器



可通过Alt-1~5, 这五种快捷键, 向鼠标所在工作区域位置添加配管连接件(不同系统可选连接件可能存在不同)

工作区域可通过Ctrl-鼠标滚轮或左键拖动, 完成工作区域的缩放以及移动

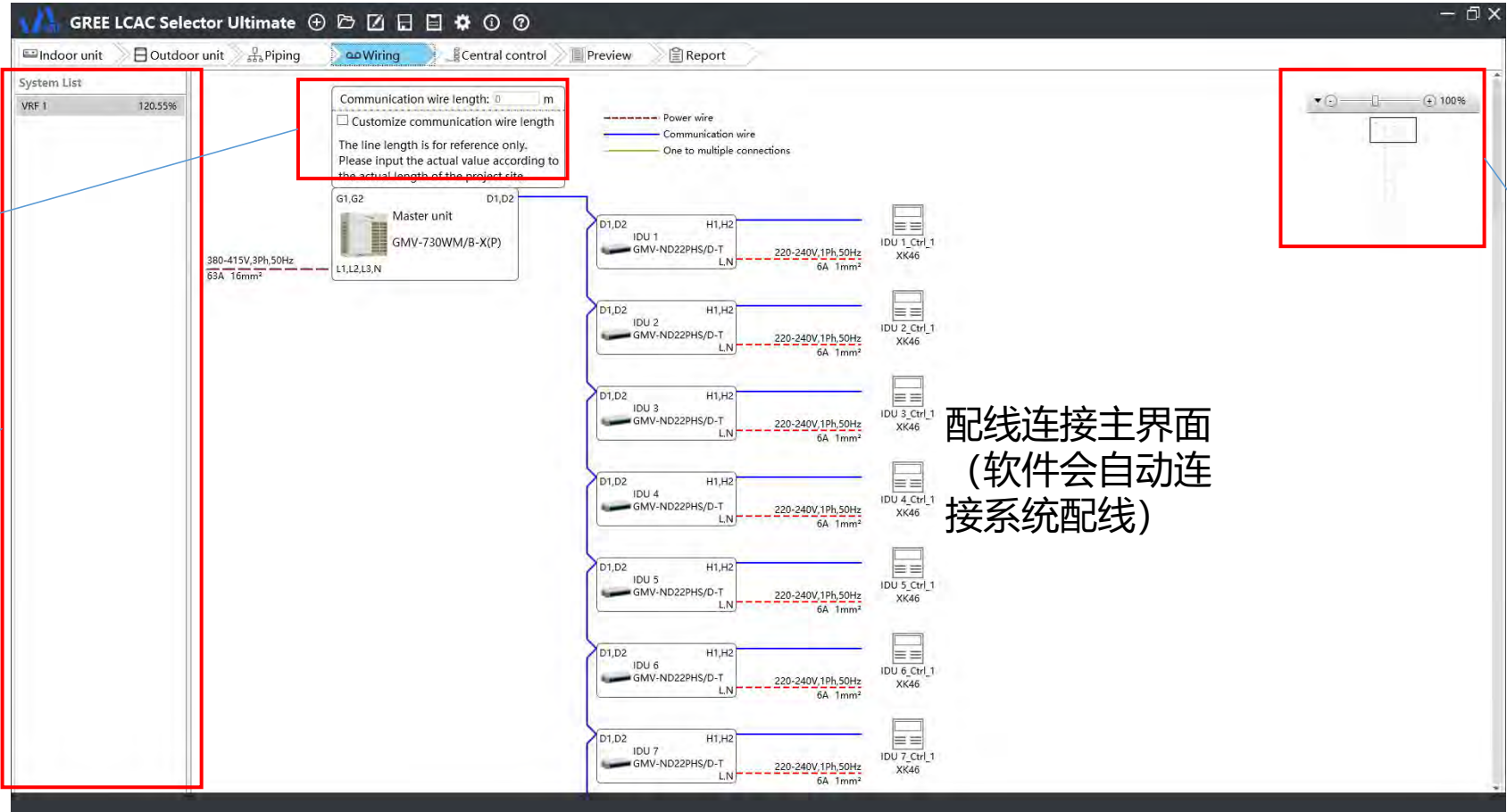
6.配线连接

配线连接界面

配管界面连接完毕后，点击导航栏，切换至配线界面

自定义通讯线长：
1.不勾选时，自动计算推荐线长
2.勾选时，自定义输入通讯线长

系统列表



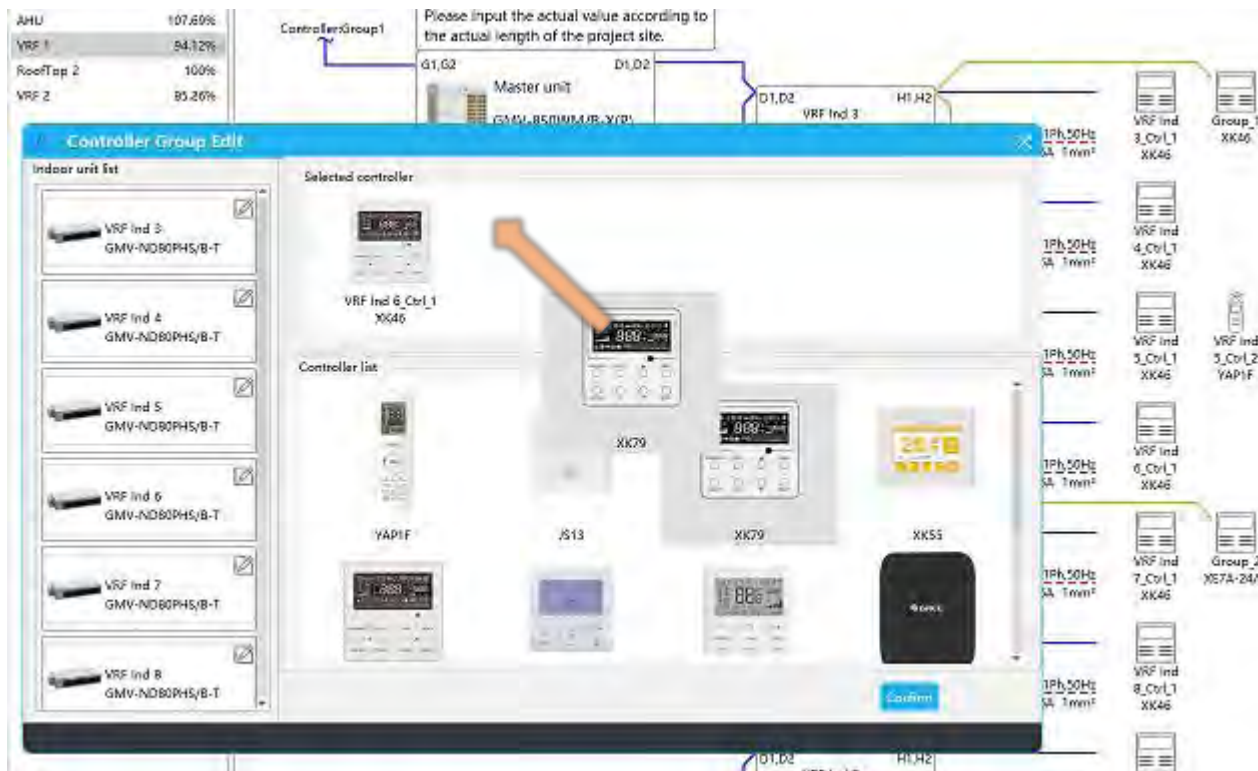
视图概览

配线连接主界面
(软件会自动连接系统配线)

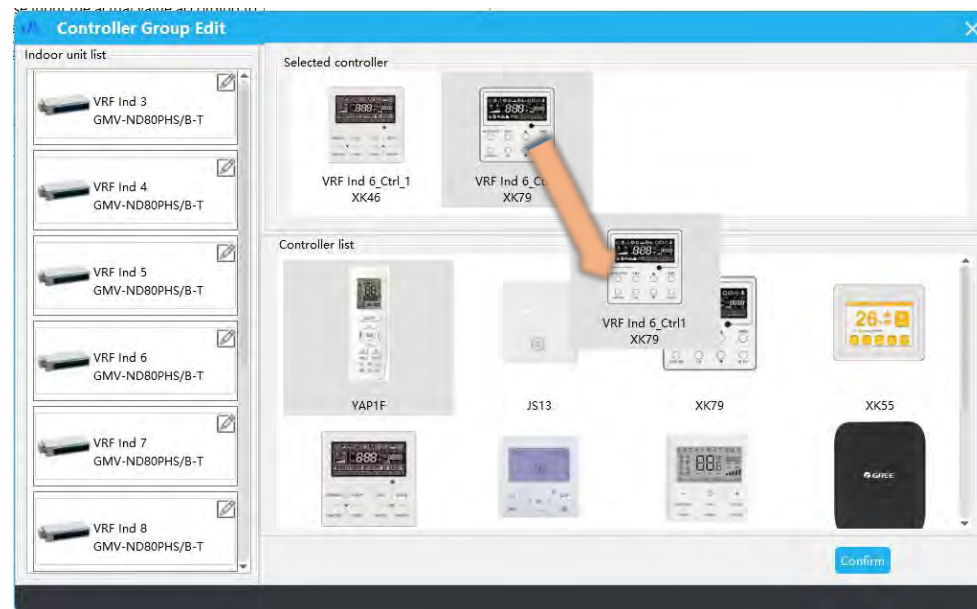
6.配线连接

控制器的选择

双击内机图片弹出控制器编辑窗口



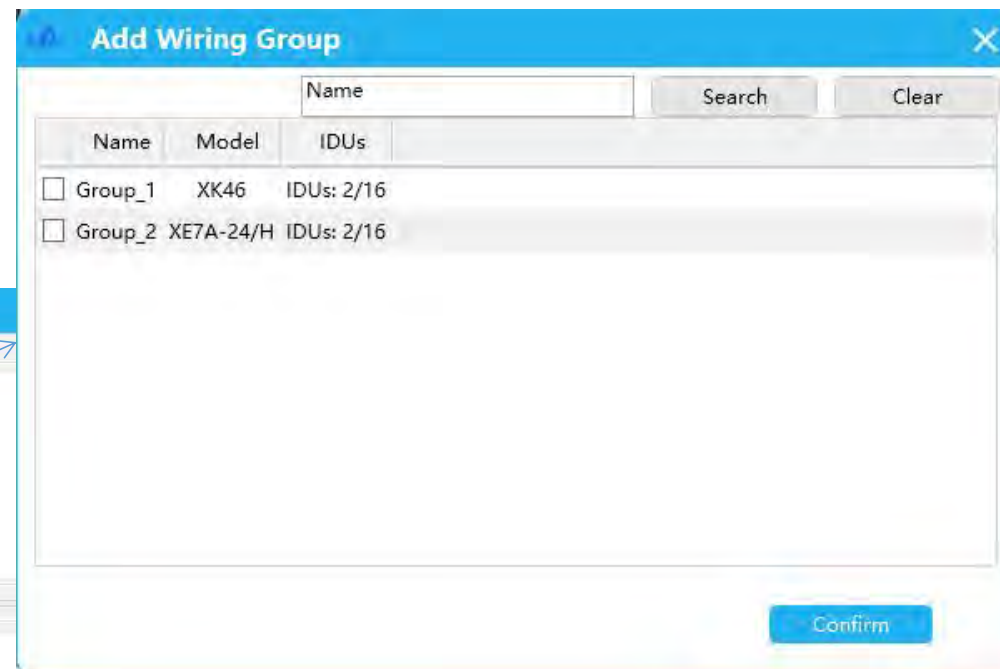
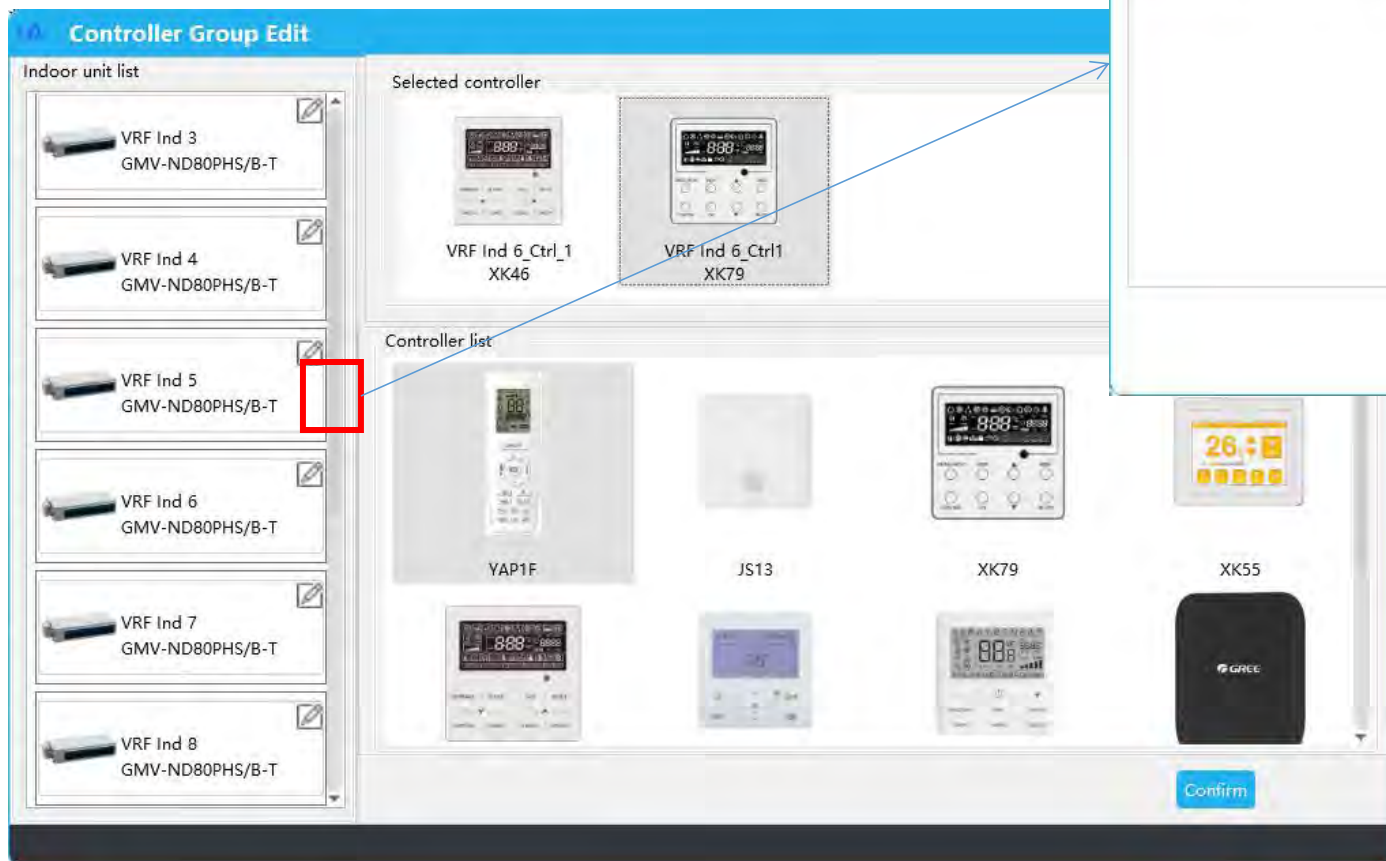
选择要添加的控制器，拖动到已选择的控制器框内，完成添加控制器



已添加的控制器，点击拖动到下方，完成移除控制器

6.配线连接

控制器的选择

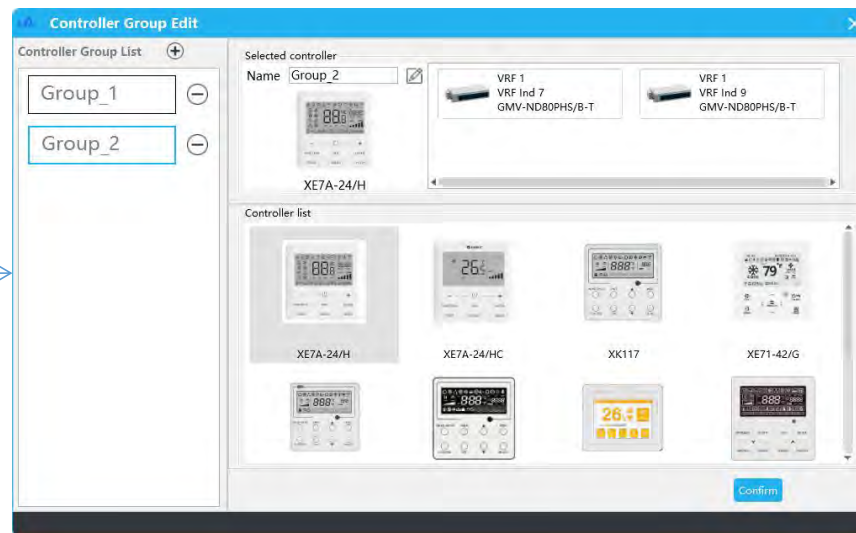


- 1、点击编辑按钮弹窗编辑分组窗口
- 2、选择控制器分组，点击确认完成分组编辑

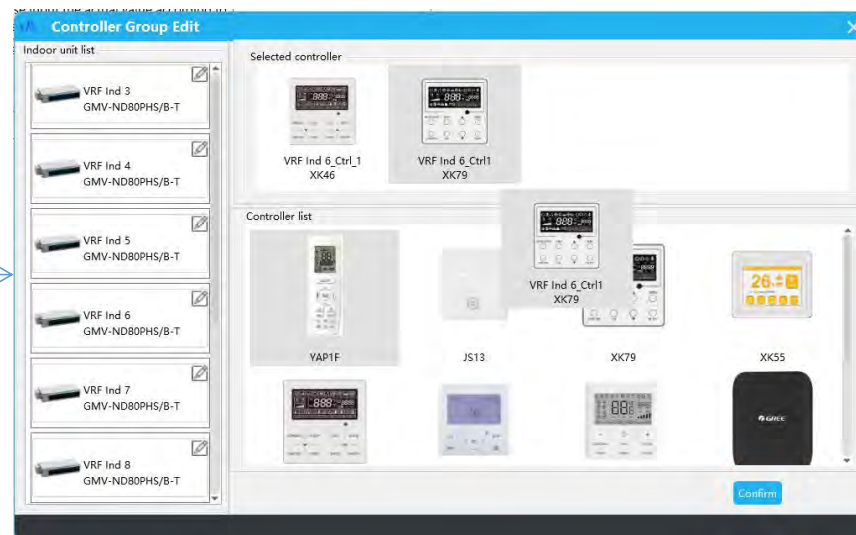
6.配线连接

控制器的选择

- 1、双击普通控制器图片弹出控制器编辑窗口
- 2、双击控制器分组图片弹出控制器编辑窗口



控制器分组编辑窗口

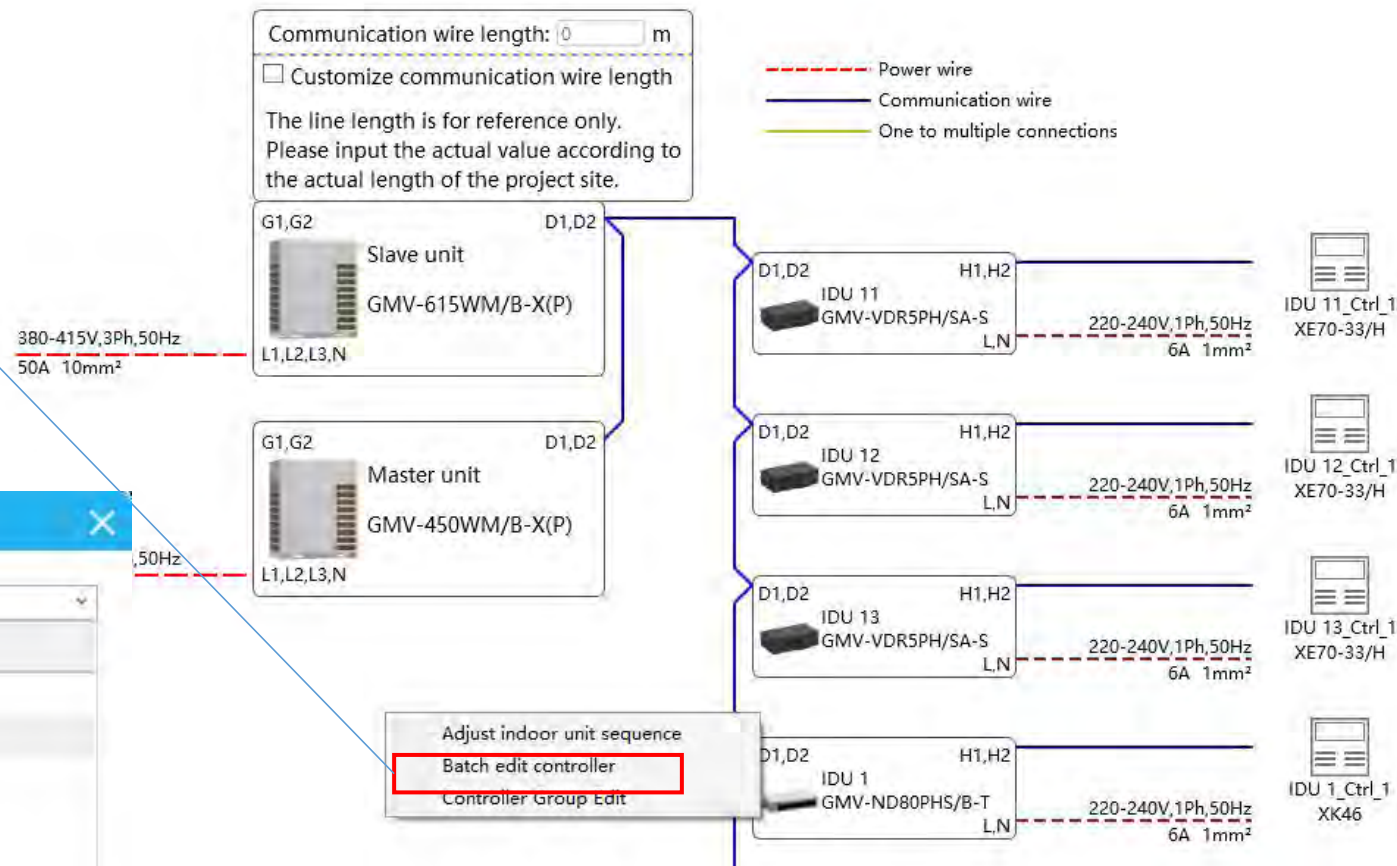
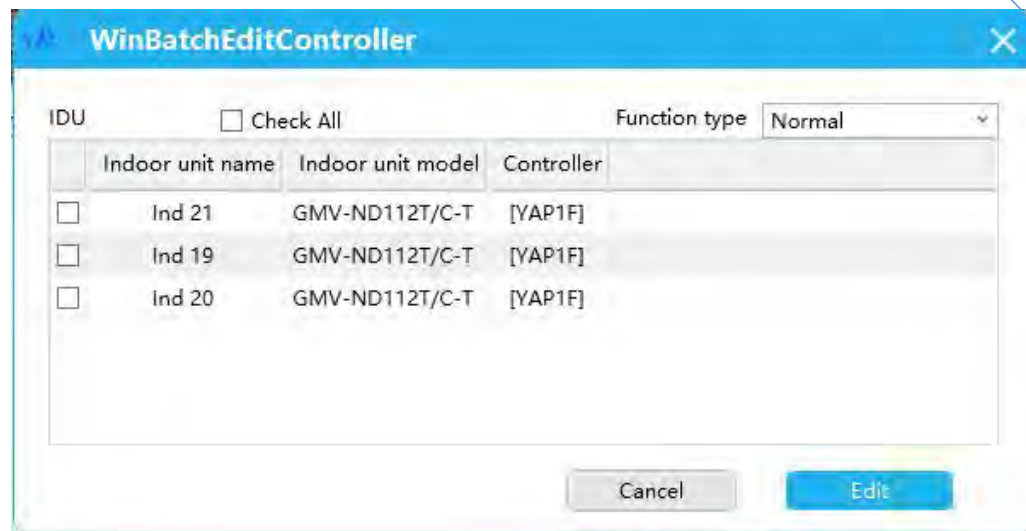


控制器编辑窗口

6.配线连接

批量编辑控制器→打开窗口

右击配线页面，点击第二个菜单项，
打开批量编辑控制器窗口

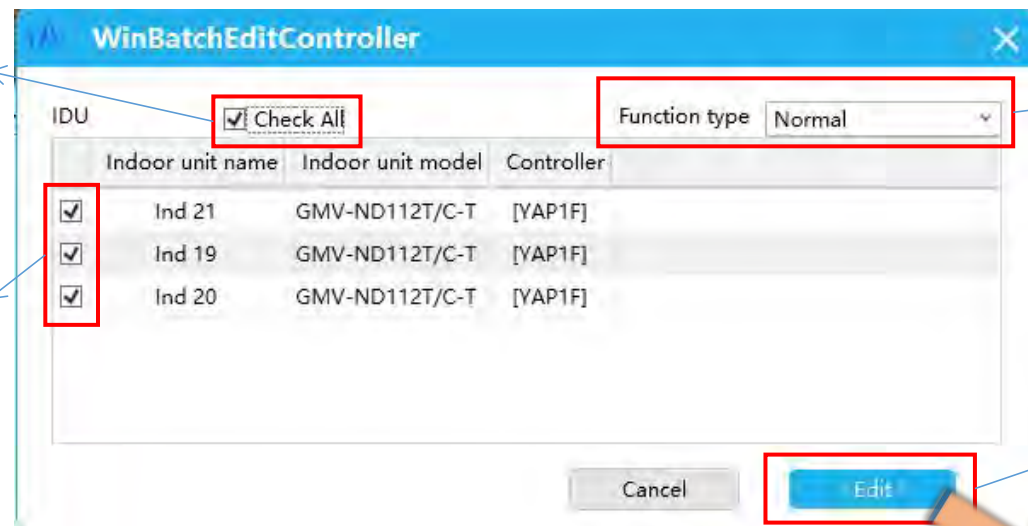


6.配线连接

批量编辑控制器→界面介绍

全选当前控制器类型的所有内机

勾选需要批量更改控制器的内机



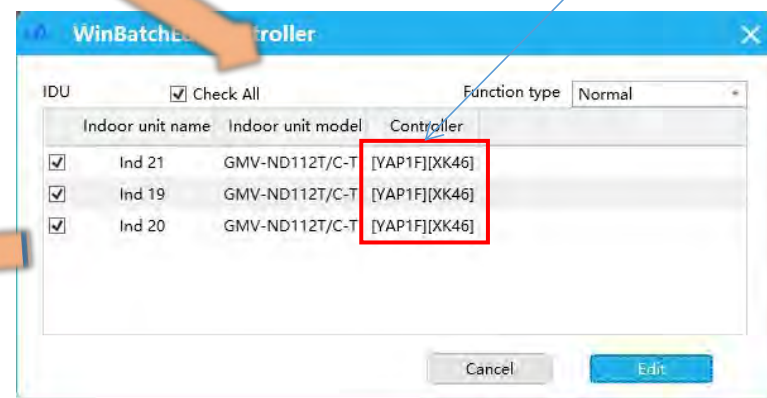
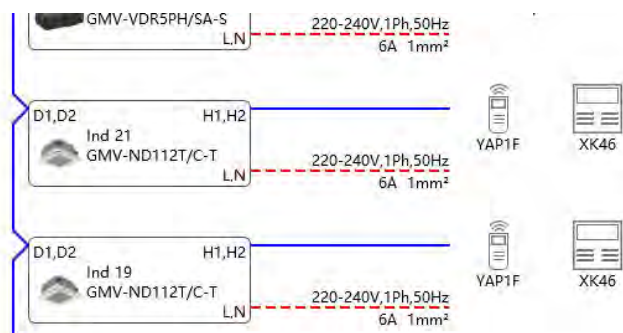
下拉框为控制器类型：

- 1.普通
- 2.风管机
- 3.ERV
- 4.高效低静压C1

点击编辑，以勾选的第一台内机为模板，弹出控制器选型窗口

当更改控制器完成之后控制器方案会更新到所有勾选的内机

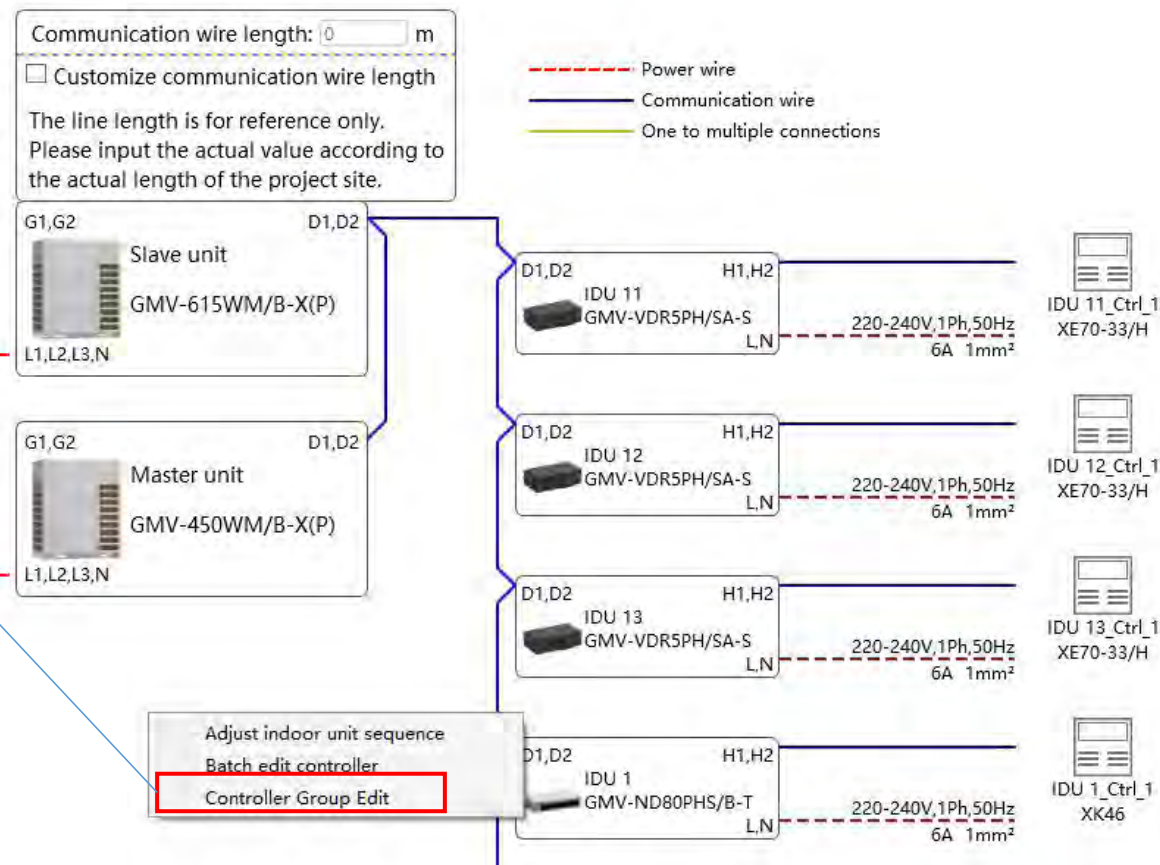
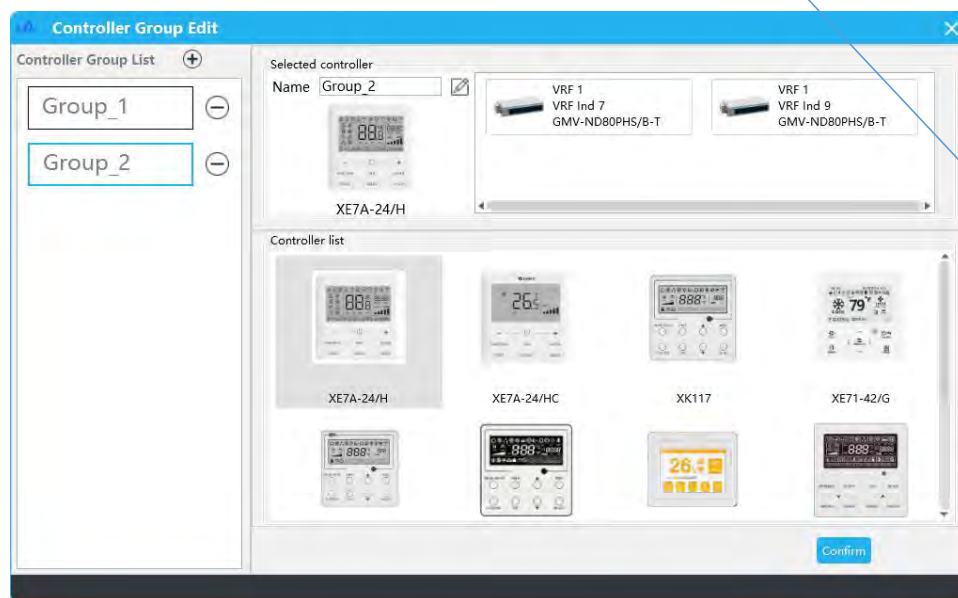
点击取消或关闭窗口后，批量编辑后的方案会刷新到配线页面



6.配线连接

批量编辑控制器→打开窗口

右击配线页面，点击第三个菜单项，
打开控制器分组编辑窗口

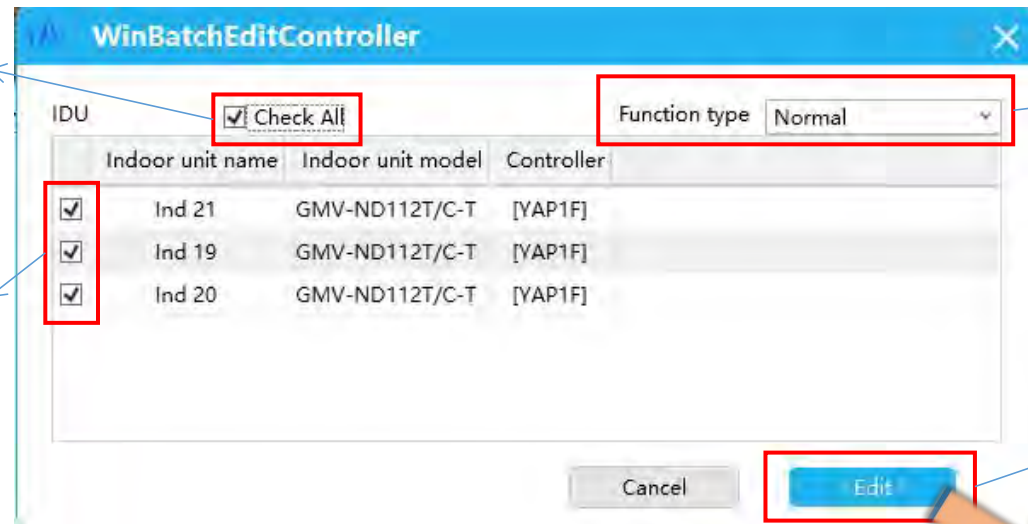


6.配线连接

控制器分组编辑→界面介绍

全选当前控制器类型的所有内机

勾选需要批量更改控制器的内机



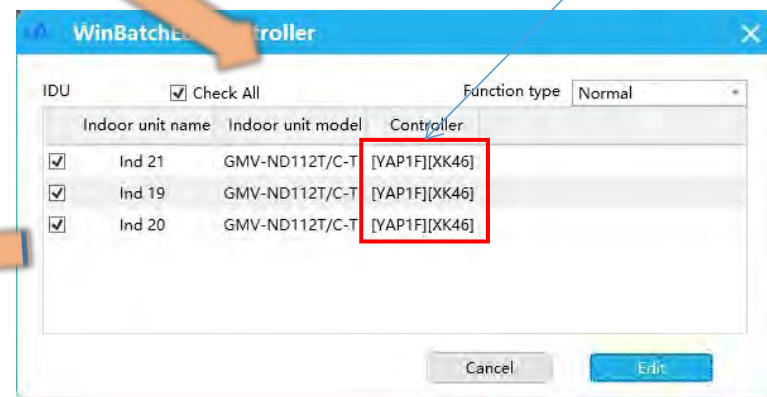
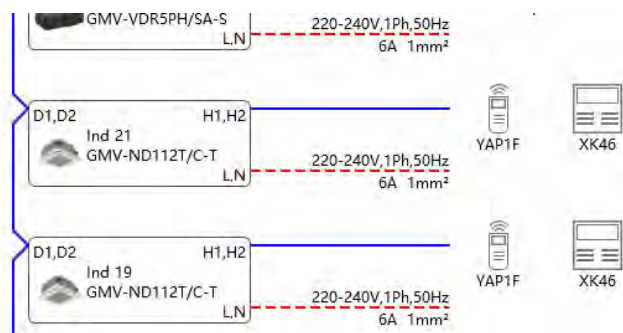
下拉框为控制器类型:

- 1.普通
- 2.风管机
- 3.ERV
- 4.高效低静压C1

点击编辑,以勾选的第一台内机为模板,弹出控制器选型窗口

当更改控制器完成之后控制器方案会更新到所有勾选的内机

点击取消或关闭窗口后,批量编辑后的方案会刷新到配线页面



7.集中控制器选型

集中控制器选型界面

添加分组按钮

集中控制器列表

外机系统列表

集中控制器分组展示区域

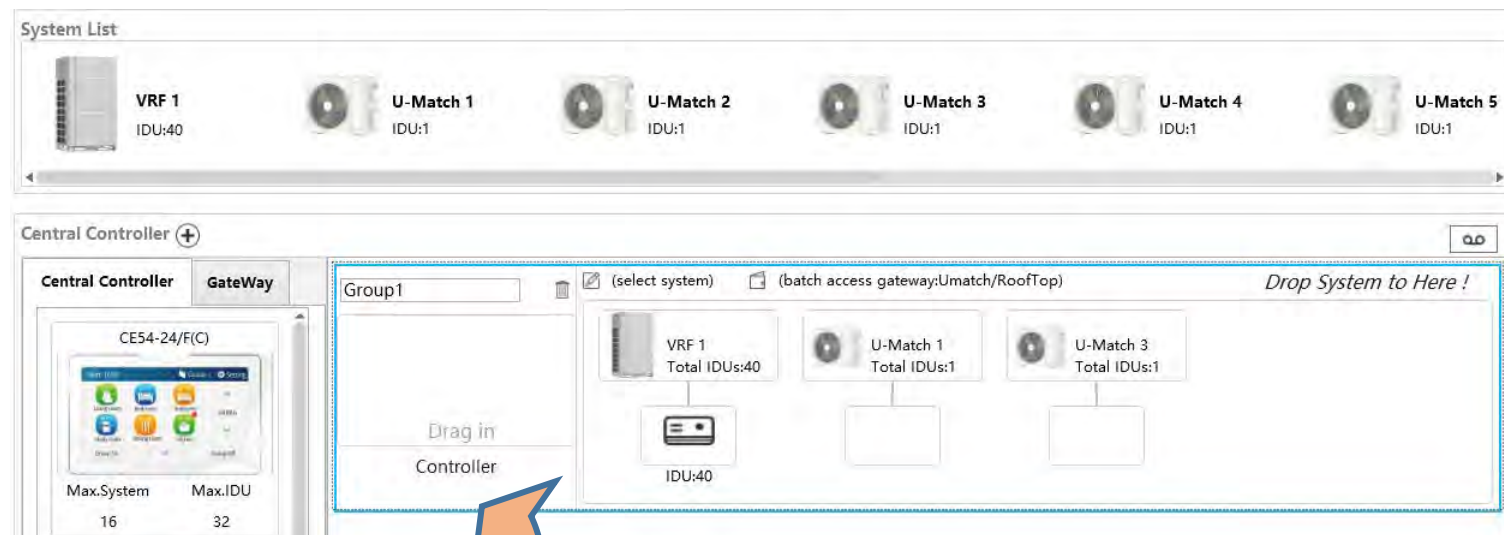
全局性开启配线图

7.集中控制器选型

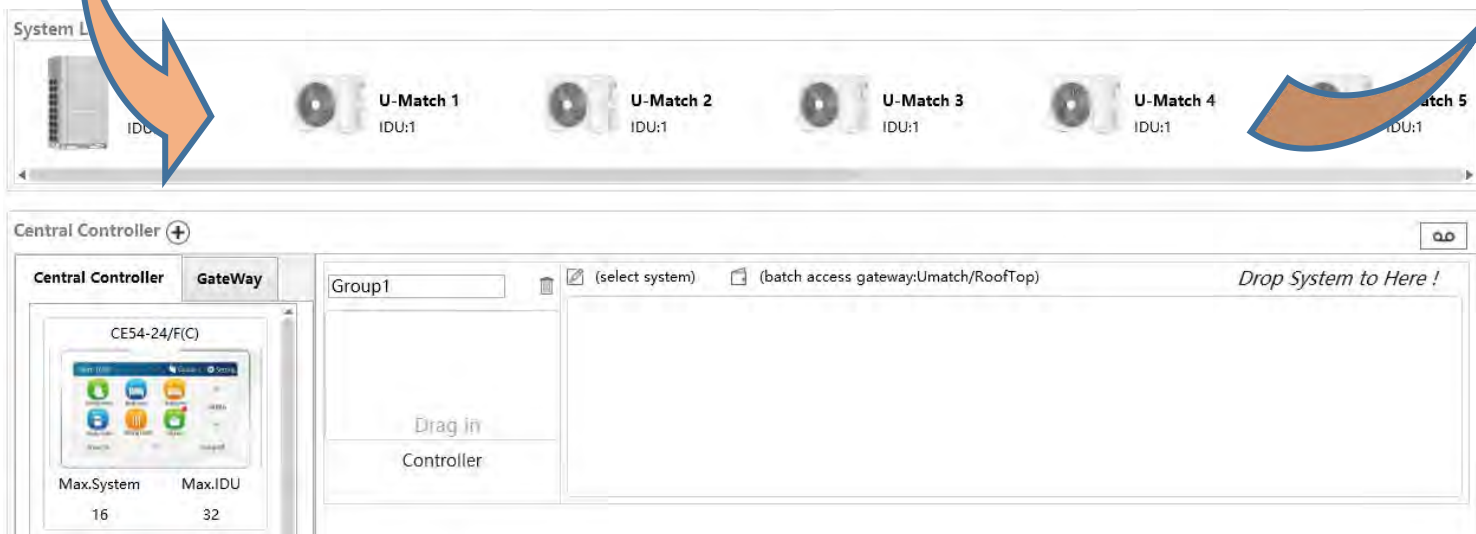
添加分组



点击添加分组按钮，就会在分组展示区添加一个新的分组



拖动外机系统到连接外机单元框内

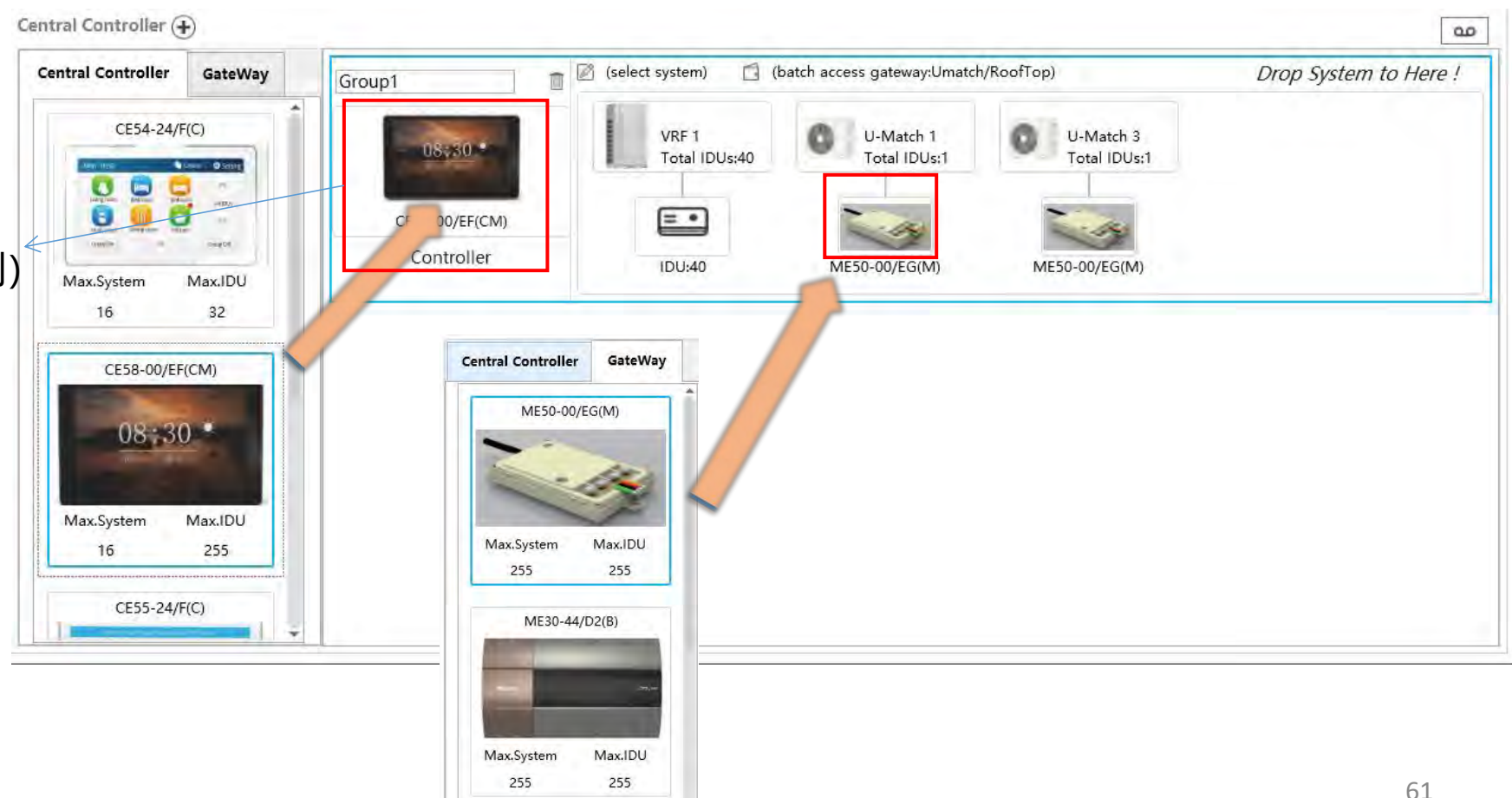


7.集中控制器选型

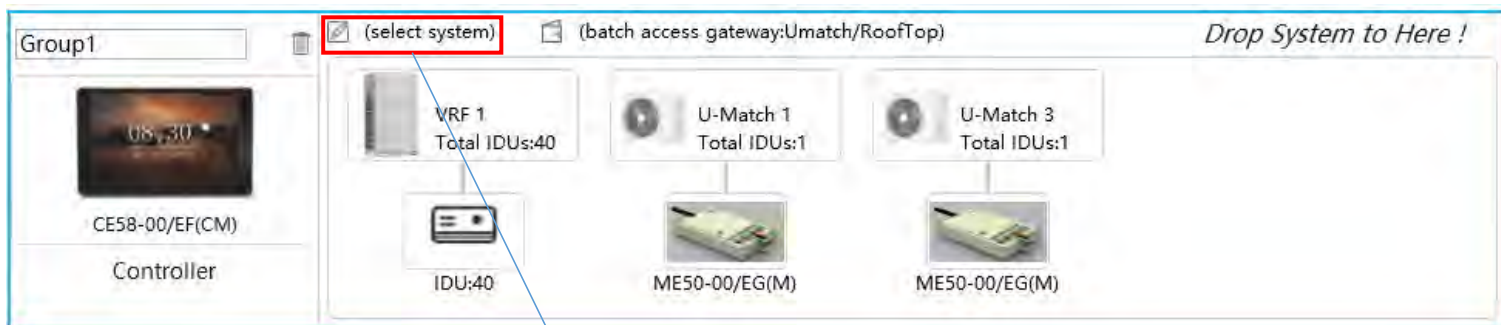
添加集中控制器

拖动集中控制器可以放置
在两个位置

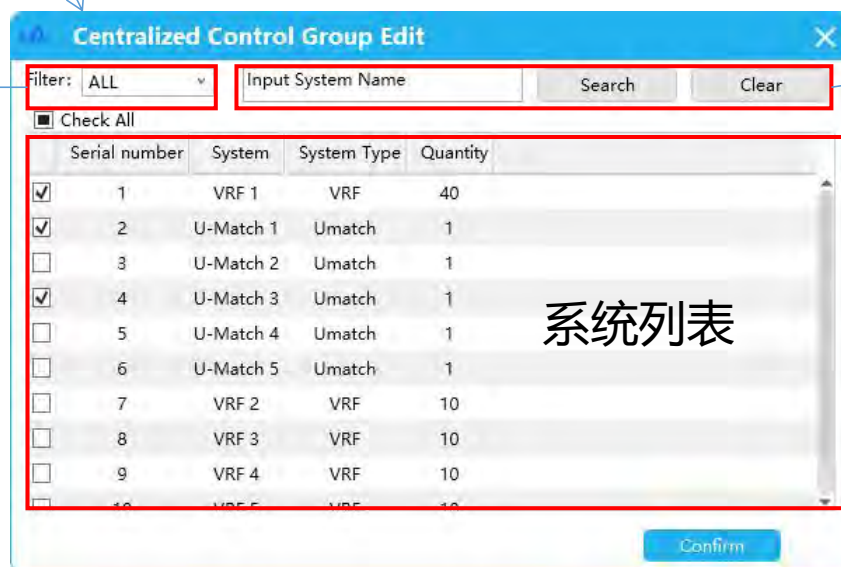
全局控制器
(对组内所有的系统进行控制)



7. 集中控制器选型 编辑分组



系统类型切换



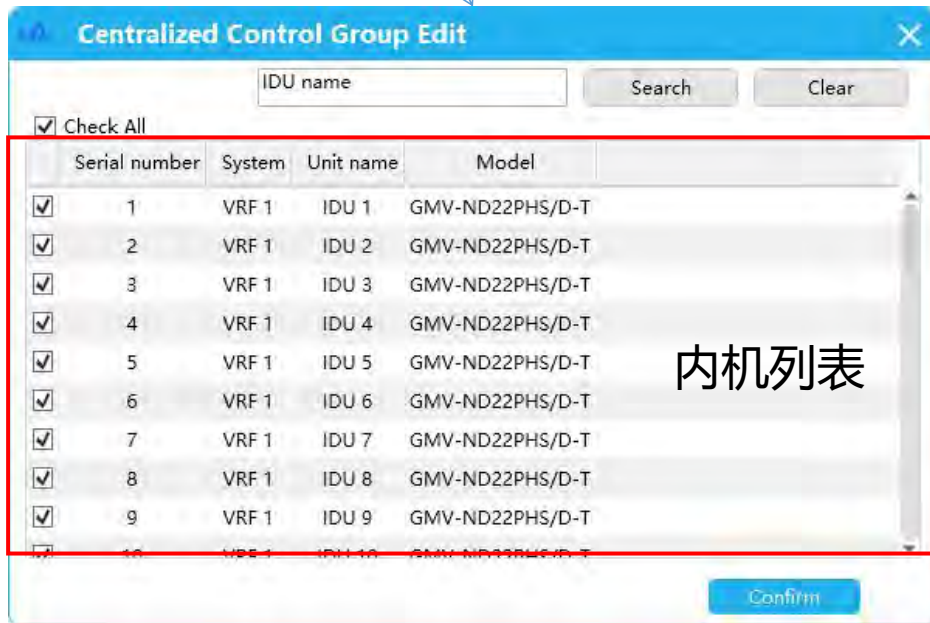
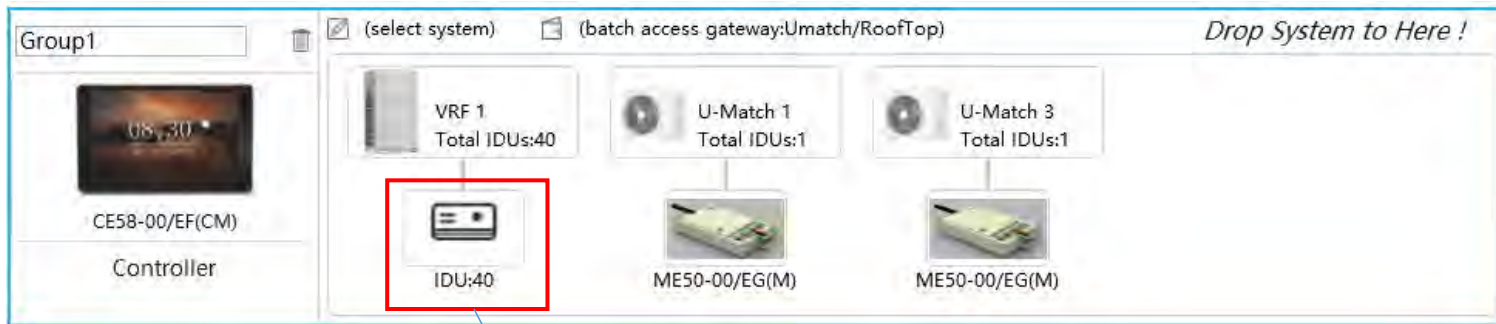
搜索功能

系统列表

在该区域可选择加入分组的系统

7. 集中控制器选型

编辑分组

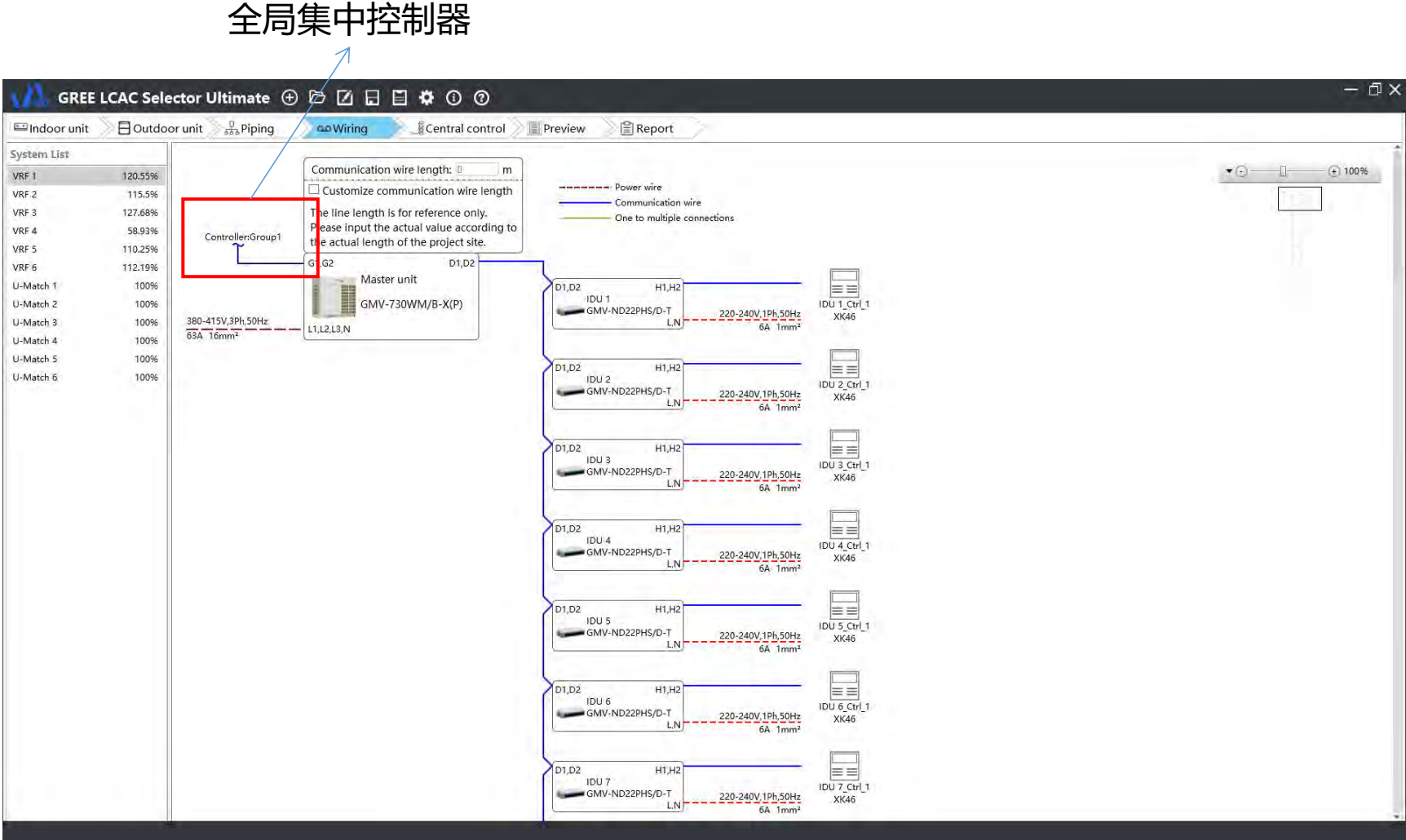


内机列表

在该区域可选择加入分组的内机对象

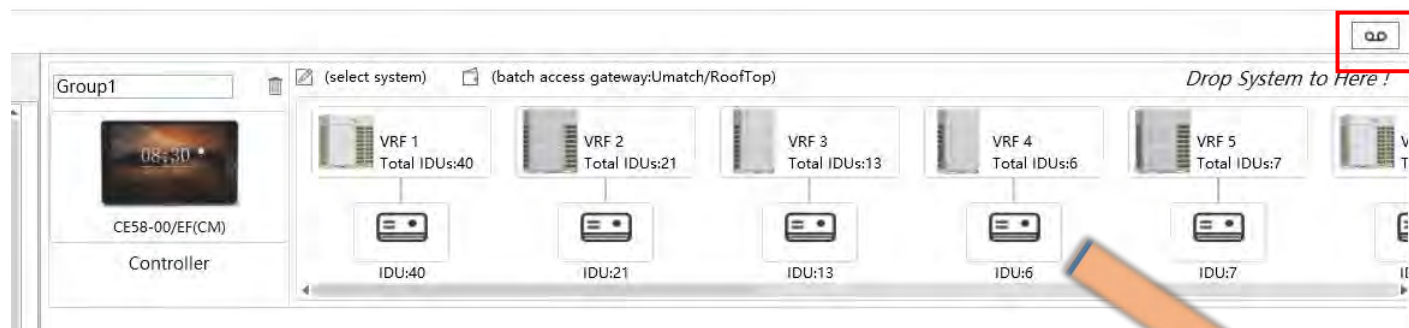
7.集中控制器选型 配线的变化

当集中控制器选型完毕后，通过导航栏切换回配线界面，软件会自动将集中控制器的配线连接到系统内部。



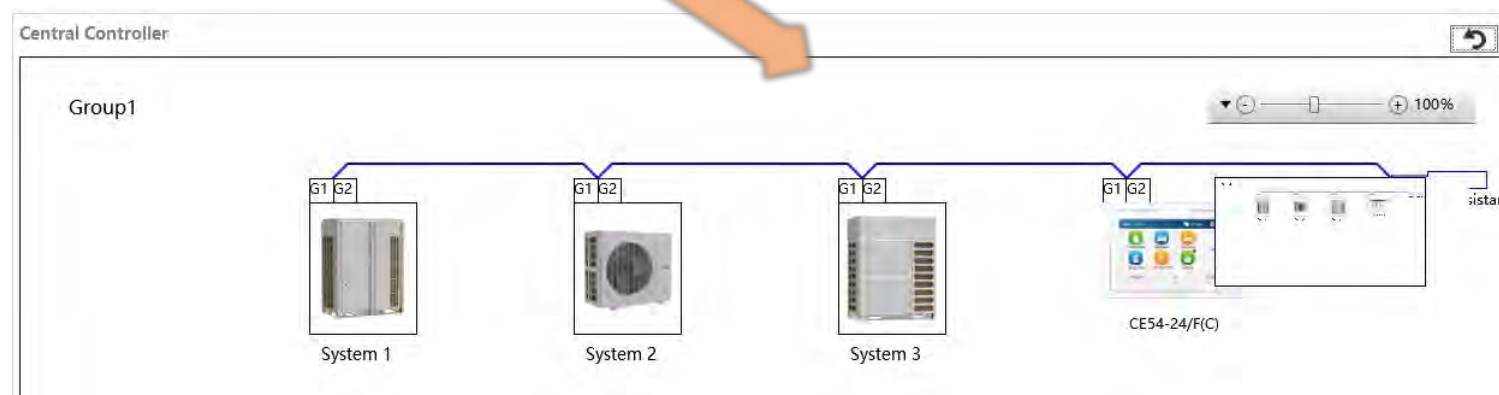
7.集中控制器选型

全局集中控制器配线连接



在集中控制器选型界面,
点击配线按钮

展示全局集中控制器的
配线连接



8.报表导出

报表预览

系统列表
(勾选需要预览
报表的系统)

未进行集控选型，系
统列表将如图所示

Preview

- ☐ Check All
- ☐ U-Match 1

☐ RoofTop 1

☐ ERV

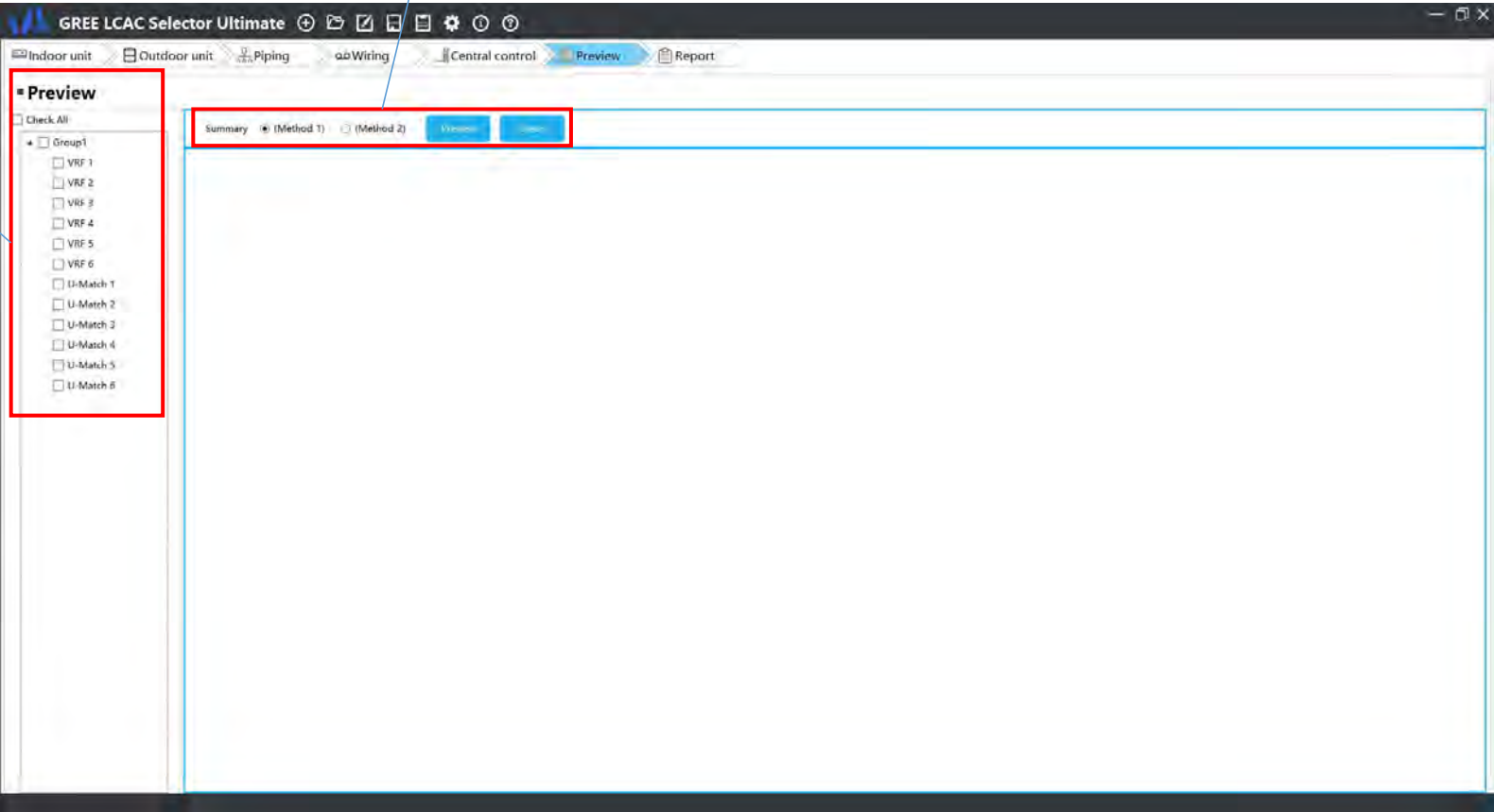
☐ AHU

☐ VRF 1

☐ RoofTop 2

☐ VRF 2

点击预览，显示预览报告
点击清除，清空预览报告



8.报表导出

报表导出

系统列表
(勾选需要导出报表的系统)

未进行集控选型，系统列表将
如图所示

Preview

- ☐ Check All
- ☐ U-Match 1
- ☐ RoofTop 1
- ☐ ERV
- ☐ AHU
- ☐ VRF 1
- ☐ RoofTop 2
- ☐ VRF 2

GREY LCAC Selector Ultimate

Indoor unit Outdoor unit Piping Wiring Central control Preview Report

Report

☐ Check All

- ☐ Group1
- ☐ Group2
- ☐ Ungrouped System

Path:

Name:

Report forms information

Summary ☐ (.doc) ☐ (.pdf)

Parameter ☐ (.doc) ☐ (.xls)

CAD(Tips: Please do not export multiple systems at the same time.)

System ☐ (.dwg)

Picture Output

Piping Image ☐ (.jpg)

Wiring Image ☐ (.jpg)

Export Submittal

Submittal ☐ (.pdf)

选择导出路径

输入导出文件的名称

选择导出配管、
配线连接图

导出Submittal
(此功能暂开放北美区域)

选择导出文件:
1.概要文件
2.参数表
3.CAD工程图

8.报表导出

系统报告、参数表

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LCAC Selection Report

LCAC Selection Report

Project Name

Project Address

Client Name

Address

Date

2024-10-27 10:00:00

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1. Abbreviations

1. Abbreviations

No.	Abbreviation	Description
1	CC	Cooling Capacity
2	HC	Heating Capacity
3	Total CC-IDC	Total Cooling Capacity of IDC
4	Total CC-IDC	Total Cooling Capacity of IDC
5	ESP	External Static Pressure
6	Extra Ref.	Additional Refrigerant to the System
7	IDC	Dry Bulb Temperature
8	WB	Wet Bulb Temperature
9	ERT	Jacket Water Temperature
10	RH	Relative Humidity
11	Req. CC-IDC	Required Total Cooling Capacity of IDC
12	Req. HC-IDC	Required Total Heating Capacity of IDC
13	Req. HC-IDC	Required Total Heating Capacity of IDC
14	Req. CC	Required Cooling Capacity
15	Act. CC	Actual Cooling Capacity
16	Req. HC	Required Heating Capacity
17	Act. HC	Actual Heating Capacity
18	Wd. P. C	Rated Input Power for Cooling
19	Wd. P. C	Rated Input Power for Cooling
20	Wd. P. H	Rated Input Power for Heating
21	Wd. P. H	Rated Input Power for Heating
22	EXCEND	Width/Height/Depth
23	FLA	Maximum Current (Full Load Ampere)
24	MCA	Maximum Fusing Current (Minimum Circuit Ampere)
25	MOP	Maximum Overcurrent Protection
26	Breaker	Breaker Capacity
27	Cable Size	Wire Gauge (AWG) > Number of Wires
28	Temp. C	Indoor Conditions in Cooling (Dry Bulb Temperature)
29	Temp. H	Indoor Temperature of Indoor Unit's Cold (Dry Bulb Temperature)
30	Req. CC	Required Cooling Capacity

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2. Project Proposal

2. Project Proposal

2.1 Units

No.	Model	Description	Quantity
1	GMV-ND112PHS/B-T	GMV-ND112PHS/B-T	1
2	GMV-ND112PHS/B-T	High PHS Unit (Type II model)	10

2.2 Branch

Model	Description	Quantity
GMV-ND112PHS/B-T	Branch A	1
GMV-ND112PHS/B-T	Branch B	1
GMV-ND112PHS/B-T	Branch C	10

2.3 Reducer/Expander Pipe

Model	Description	Quantity
GMV-ND112PHS/B-T	Reducer/Expander Pipe	1

2.4 Controller

Model	Description	Quantity
GMV-ND112PHS/B-T	Wired Controller	10
GMV-ND112PHS/B-T	Wired Controller	1
GMV-ND112PHS/B-T	Wired Controller	1
GMV-ND112PHS/B-T	Wired Controller	1
GMV-ND112PHS/B-T	Wired Controller	1

2.5 Mode Converter

Model	Description	Quantity
GMV-ND112PHS/B-T	Mode Converter	1

2.6 Piping Length

Pipe diameter (mm)	Total Length (m)	Number of Elbows	Wall Thickness (mm)	Type
12.7	0	0	0.75	1
15.9	0	0	0.75	1

System 1_IDU_Specifications

Item	Value	Unit				
Model	GMV-ND112PHS/B-T	-				
Series name	-	-				
Model designation	-	-				
Noise (sound pressure level) (high)	40	dB(A)				
Noise (sound pressure level) (medium)	38	dB(A)				
Noise (sound pressure level) (low)	36	dB(A)				
Rated voltage	220-240	V				
Rated frequency	50	Hz				
Phase	1	-				
Power cable (core)	3	N				
Circuit breaker capacity	6	A				
MCP	/	A				
MCA	/	A				
Consumed power	/	kW				
Refrigerant type	R410A	-				
Standard controller	XK46	-				
Optional controller	YAP1F/VV1L1/XK86/XK79	-				
Connection method	Flare Connection	-				
IDU loading quantity (40°)	84	unit				

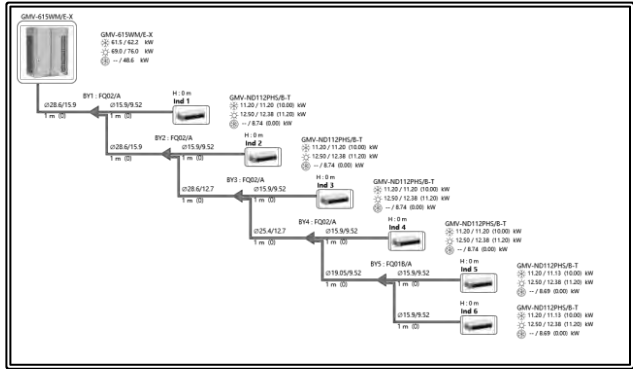
系统报告

参数表

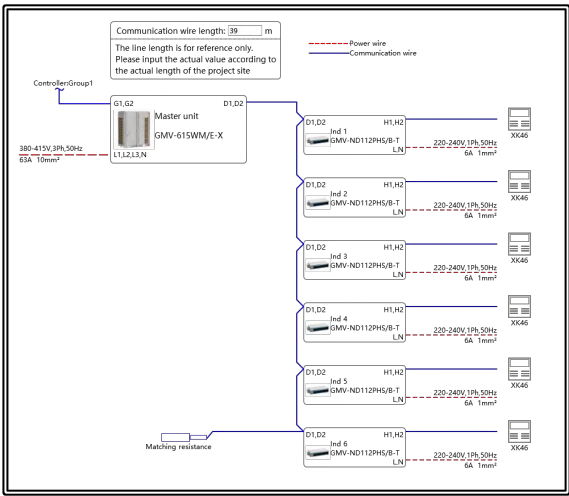
68

8.报表导出

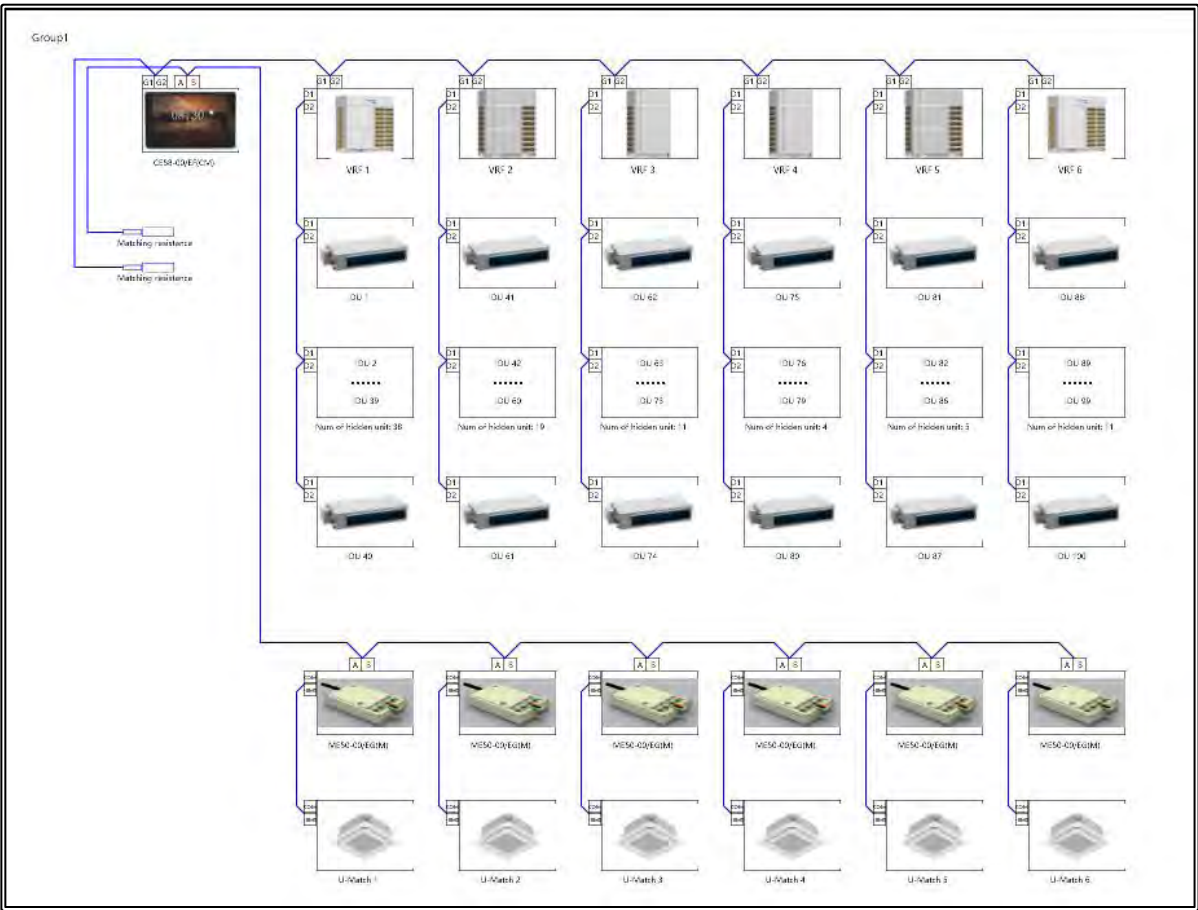
配管连接图、配线连接图、集控拓扑图



配管连接图



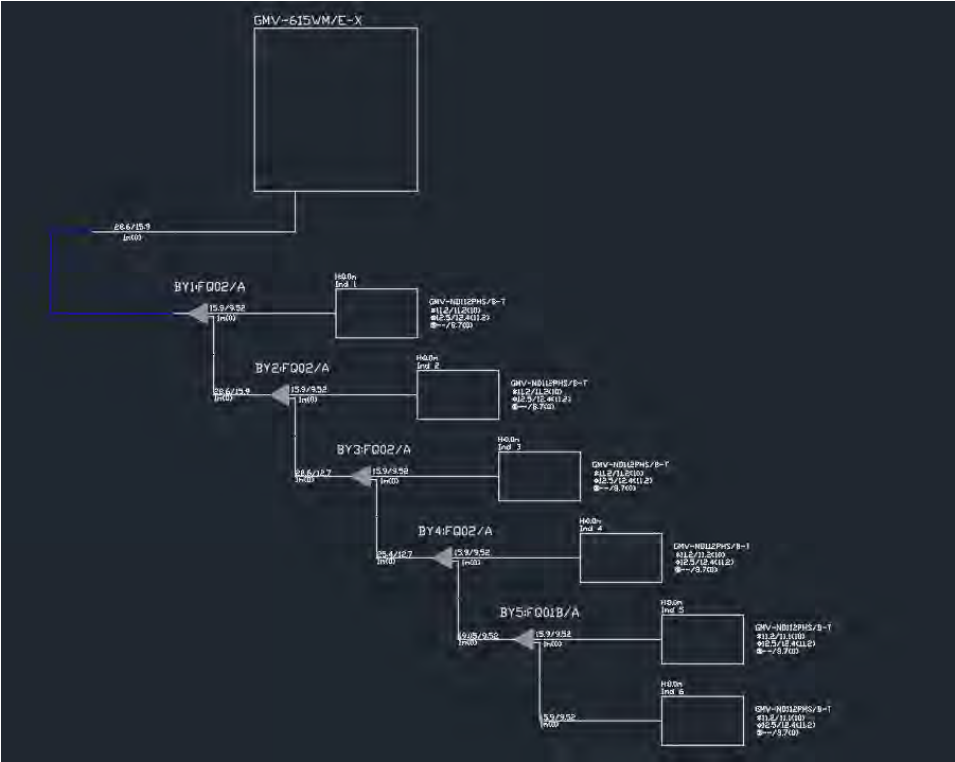
配线连接图



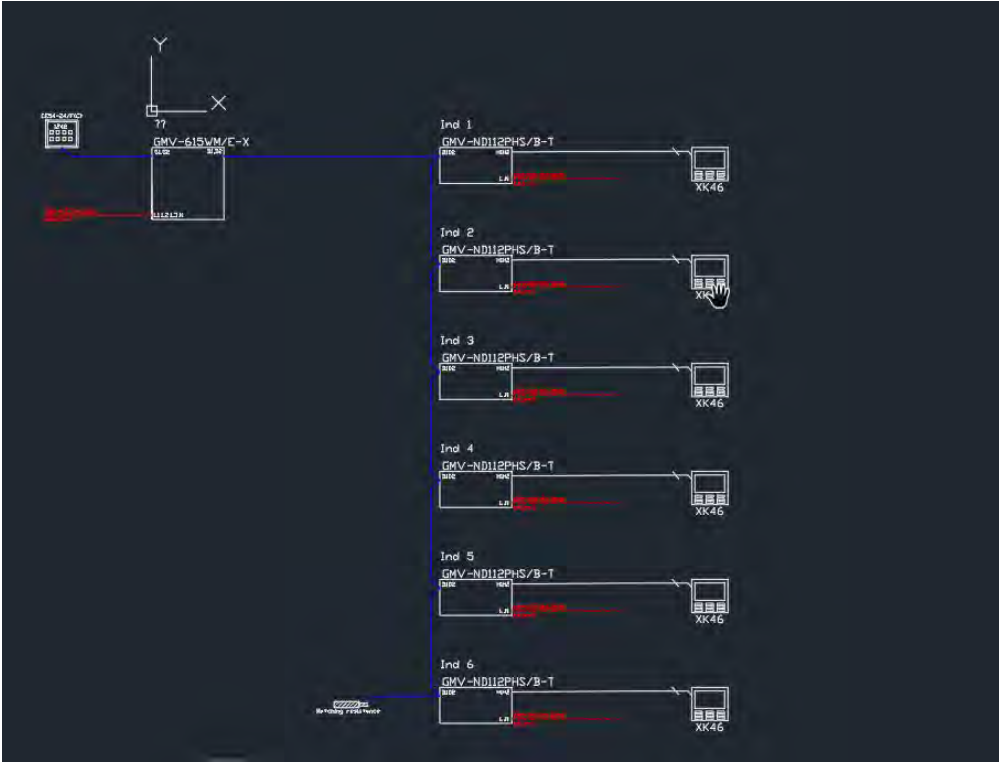
集控拓扑图

8.报表导出

CAD工程图



配管工程图



配线工程图

8. Report

Submittal报告

(此功能暂开放北美区域)



导出格式

GMV SUBMITTAL

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208~230V Wall-Mounted-A3

Model:GMV-N12G/A3A-D(U)

Specifications	Unit	Parameter
Model		
GMV-N12G/A3A-D(U)		
Performance		
Rated Cooling Capacity	kBtu/h	12
Rated Heating Capacity	kBtu/h	13.5
Sound Pressure Level	dB(A)	38/41/44
Electrical Data		
Power Supply	Voltage, Phase, Hertz	208/230, 1, 60
Maximum Overcurrent Protection (MOP)	A	15
Minimum Circuit Amps (MCA)	A	1
Fan		
Type x Quantity	—	Cross-flow x1
Air Flow Volume	CFM	282/324/370
Fan Motor Running Current	A	0.21
Fan Motor Power Output	W	20
Refrigerant Piping		
Connection Pipe	Gas (mm/inch)	Φ12.7/ID 1/2
Connection method	Liquid (mm/inch)	Φ6.35/Φ 1/4
Refrigerant	—	R410A
Dimension/Weight		
Dimensions (H×W×D)	mm/inch	298×940×200 (11-3/4×37×7-7/8)
Net Weight	kg/lbs	12.5/27.6
Other		
Safety Certification	—	ETL

Job Name:

Date:

System Reference No.:

Engineer Signature:

Specifications subject to change without prior notice.

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GMV SUBMITTAL

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Outline and Physical Dimensions of GMV-N12G/A3A-D(U).

Item	W	H	D
Model	940(37)	298(11-3/4)	200(7-7/8)

The Installation of the Rear Panel

Unit:mm(in.)

ETL

INVERTER

ASHRAE CERTIFIED

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