

New VRF Products

User Guide

Description of Operation Environment

- Only support operation systems of Windows XP and Windows 7 version
- Exported reports can support Office 2007 and above version
- Need to install operation environment of .Net Framework 4.0

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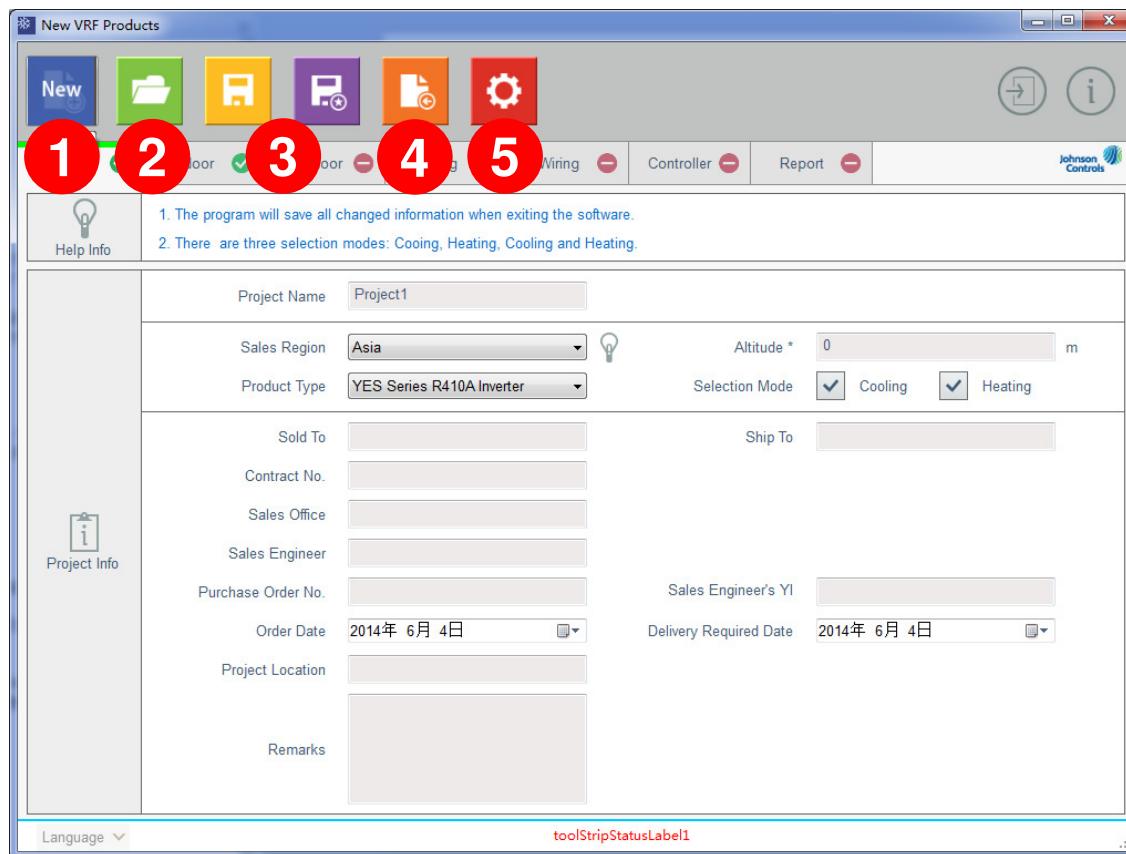
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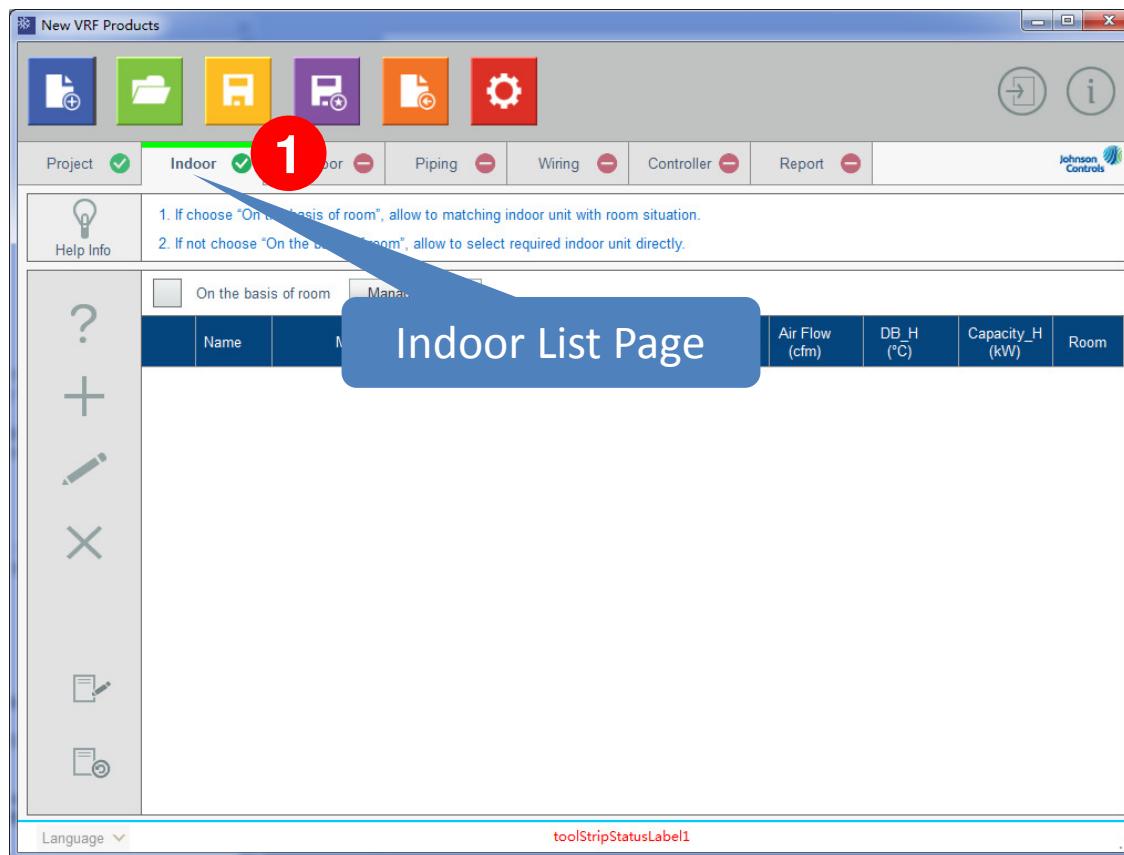
1. Create New Project

- 1. New a Project : Click “New” icon to create a new VRF project.
- 2. Open a Project: Click “Open” icon.
- 3. Save or Save As a Project: Click “Save” or “Save As” icon
- 4. Import a Project: Click “Import” icon.
- 5. Predefine Setting: Click “Setting” icon.



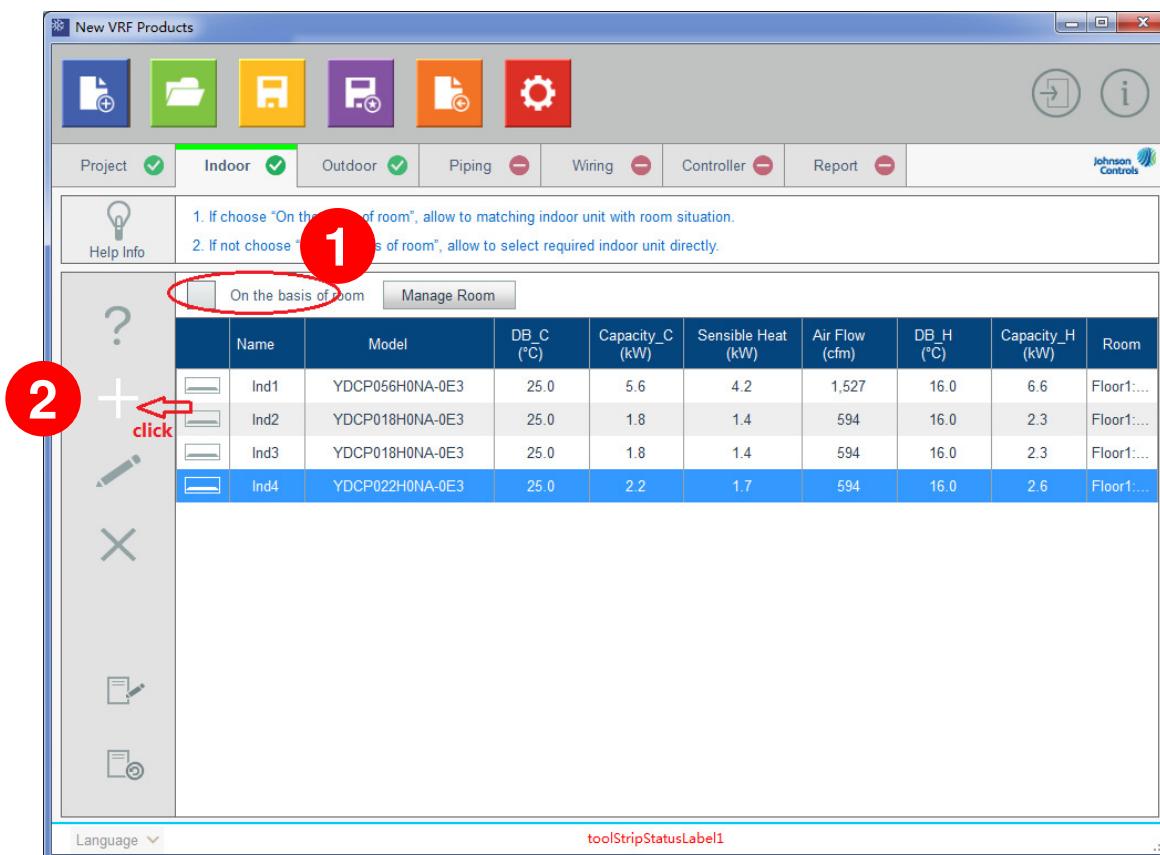
2. Indoor List

- 1. Click 'Indoor' Tab and go to Indoor List Page



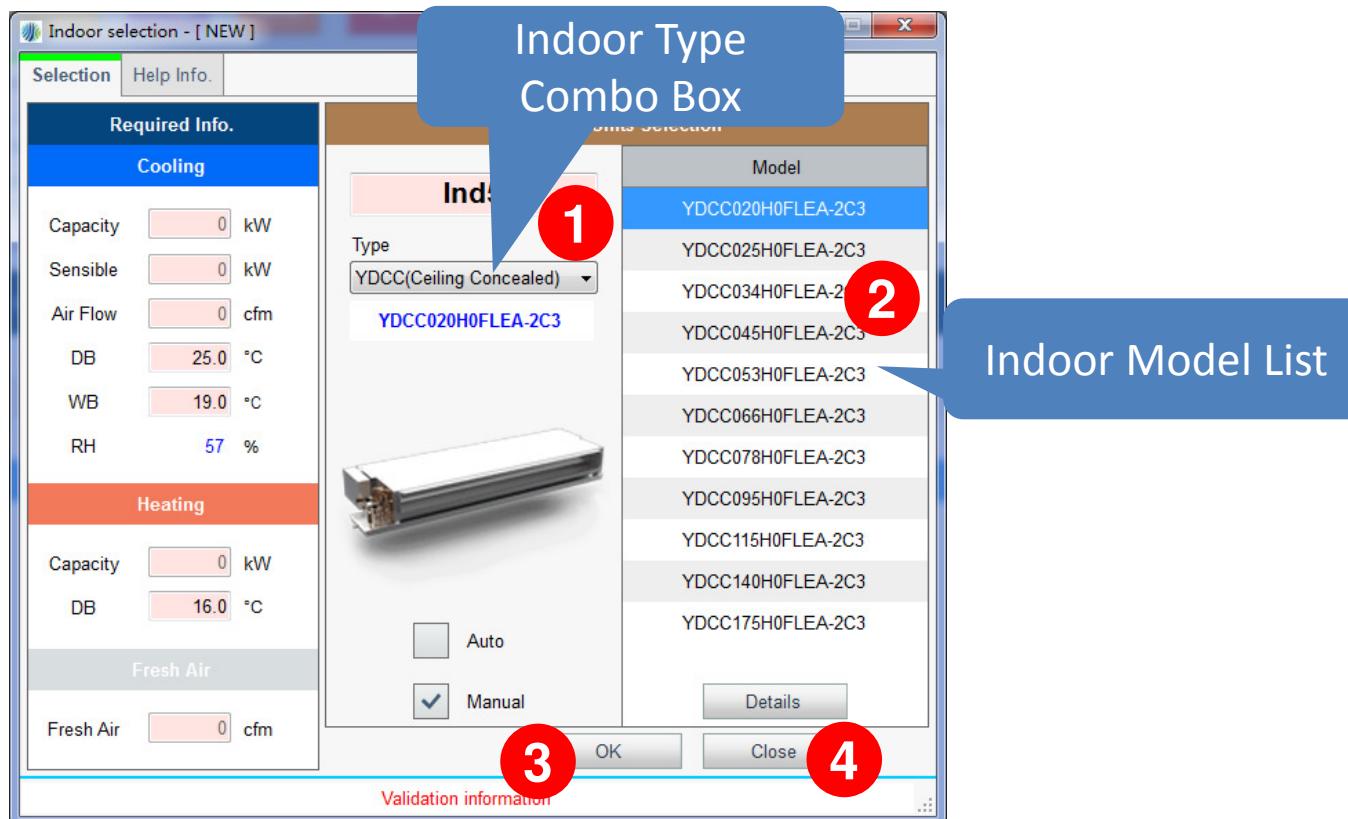
2.1 Add Simple Indoor

- 1. Unselect or Clear "On the basis of room" Checkbox.
- 2. Click "Add" icon  , go to 'Indoor Selection' interface(See next slide)



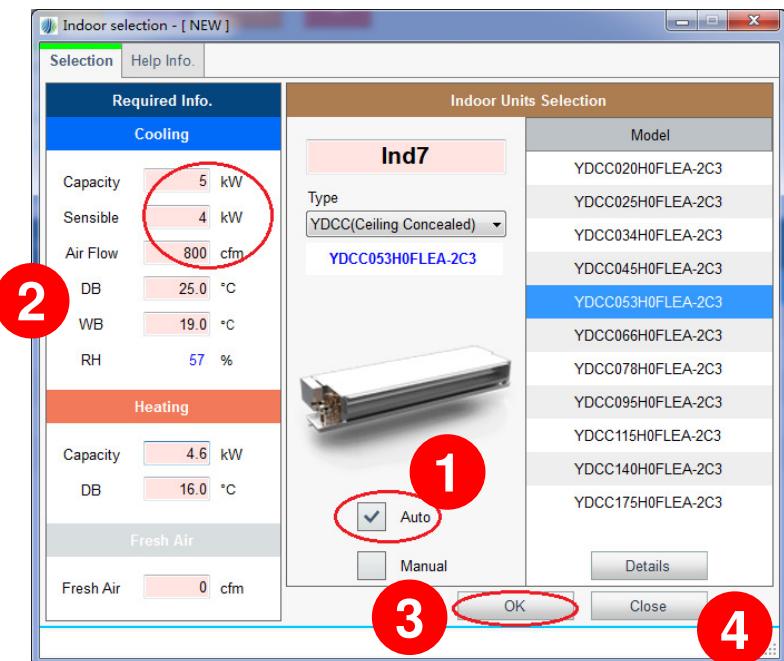
Add Simple Indoor(manual Mode)

- 1. Select a indoor type from “Indoor Type Combo box”
- 2. Select a indoor unit from Model List
- 3. Click “OK” button and add this highlight indoor unit to Indoor List(Or double click Indoor unit)
- 4. Click “Close” button, go back Indoor List interface



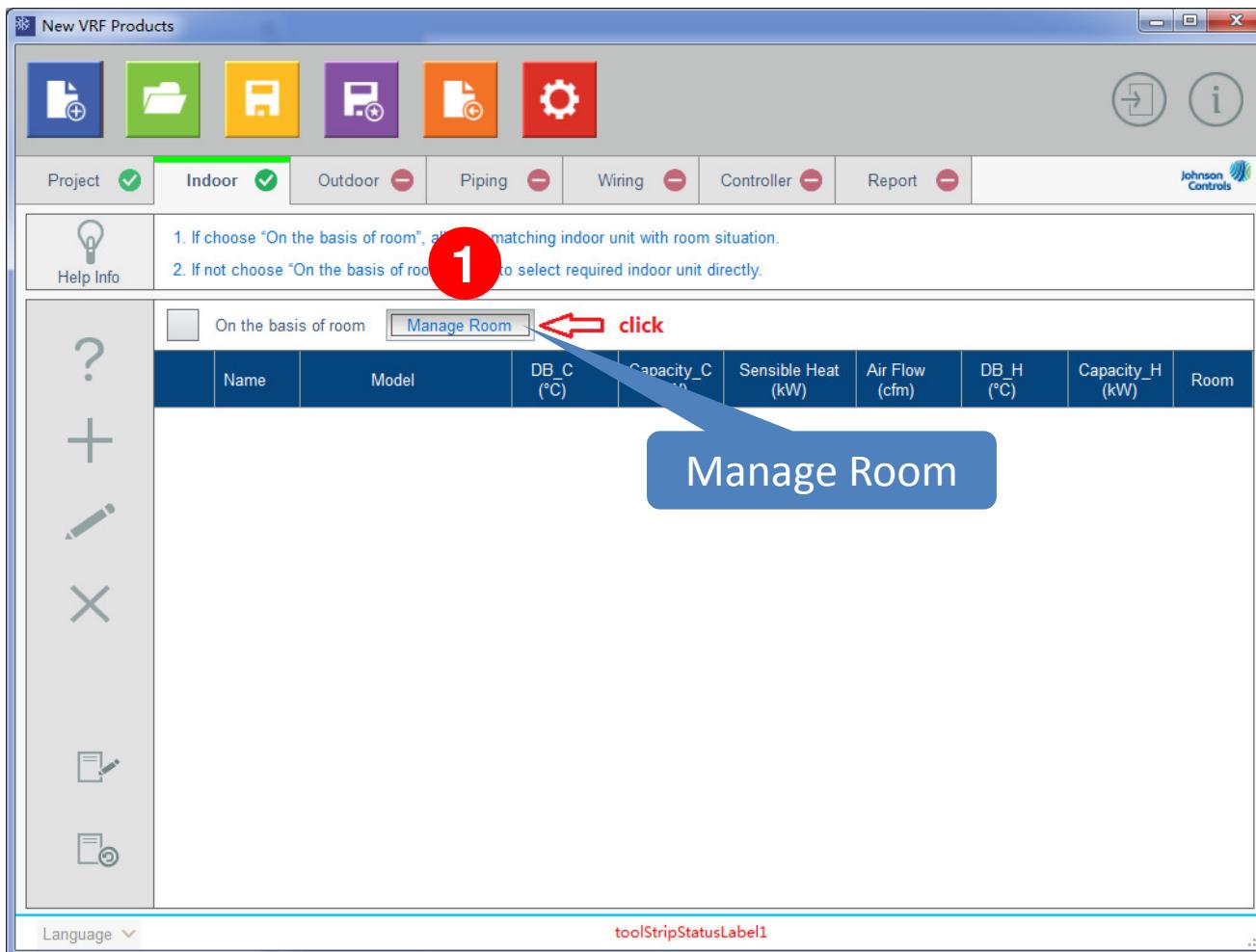
Add Simple Indoor(Auto Mode)

- 1. Select "Auto" checkbox,
- 2. Input condition request(Capacity, Sensible, Airflow, DB, ...) , Select one indoor Type, it will automatically select the best suitable indoor and highlight.
- 3. Click "OK" button and add this highlight indoor unit to Indoor List.
- 4. Click "Close" button, go back Indoor List interface.



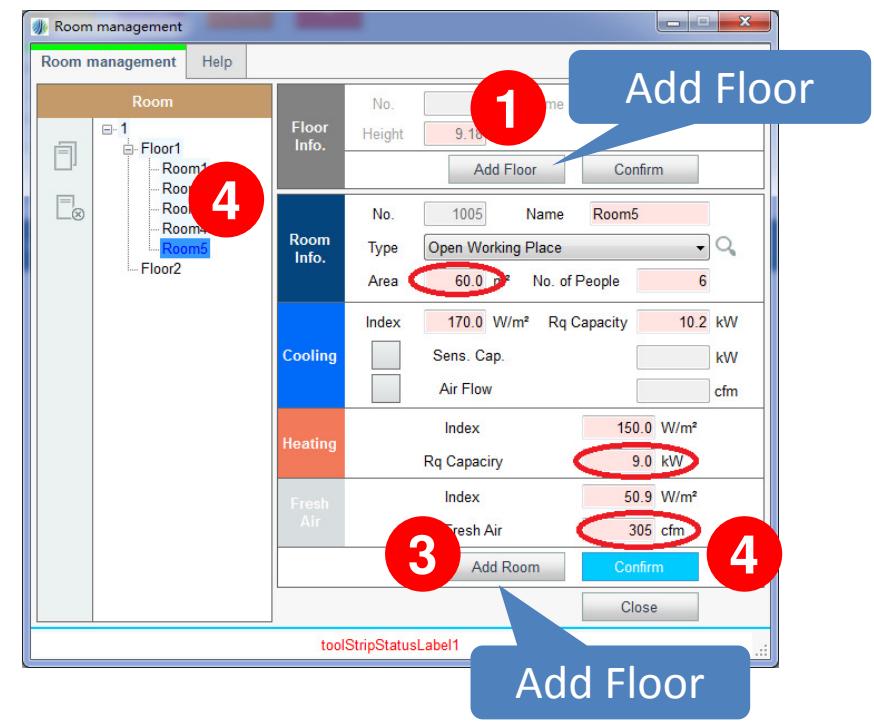
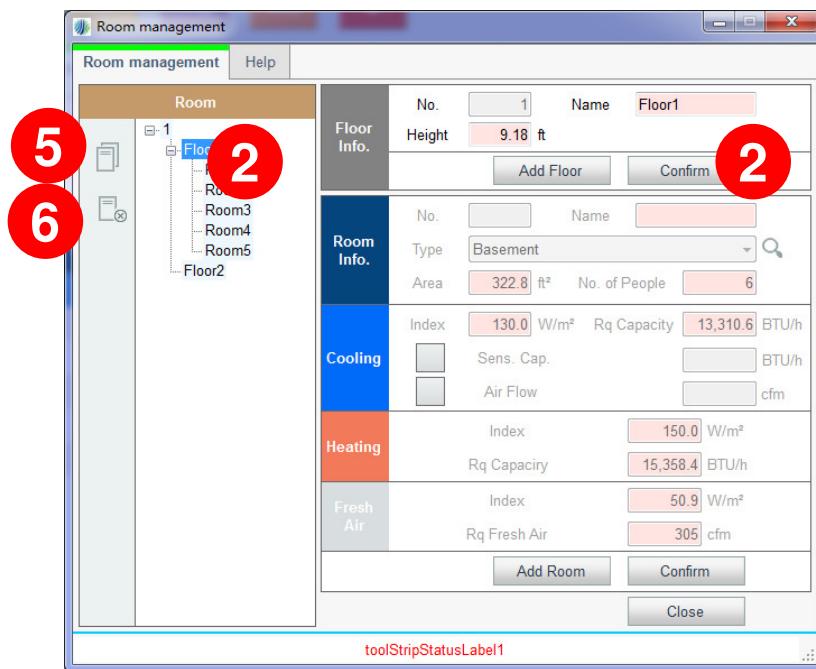
2.2 Room Management

- 1. Click “Manage Room” button and go to Room Management interface(See next slide).



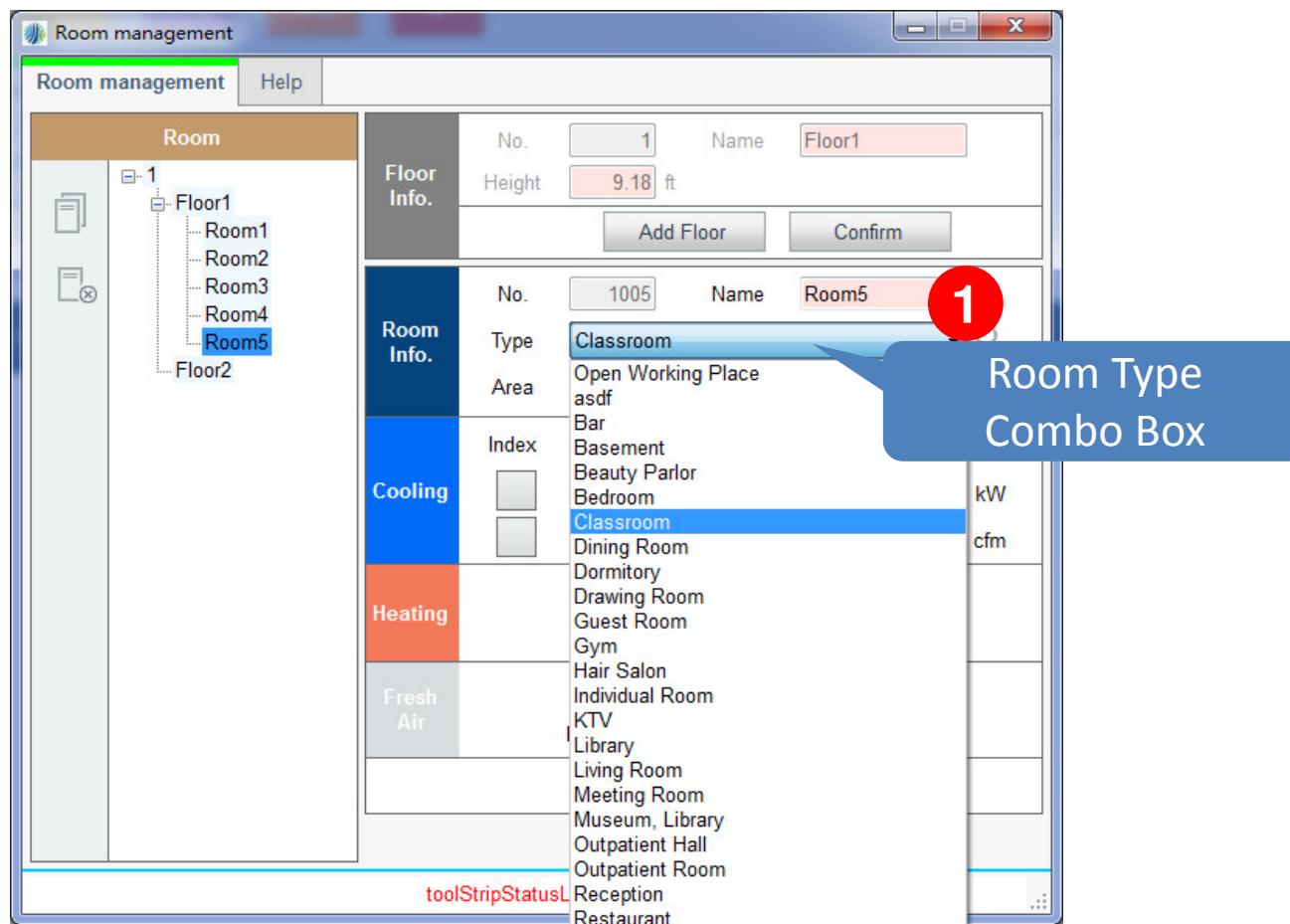
Room Management

- 1. Firstly, Click "Add Floor" and Add a Floor.
- 2. Secondly, Select a Floor, change Floor Parameter, then click "Confirm" button of Floor Area and save it.
- 3. Select a Floor, Click "Add Room" and add a Room.
- 4. Select a Room, change Room parameter, then click "Confirm" button of Room Area and save it.
- 5. Copy Floor(Room): Select a floor or room, then Click "Copy" Icon.
- 6. Delete Floor(Room): Select a floor or room, then Click "Delete" Icon.



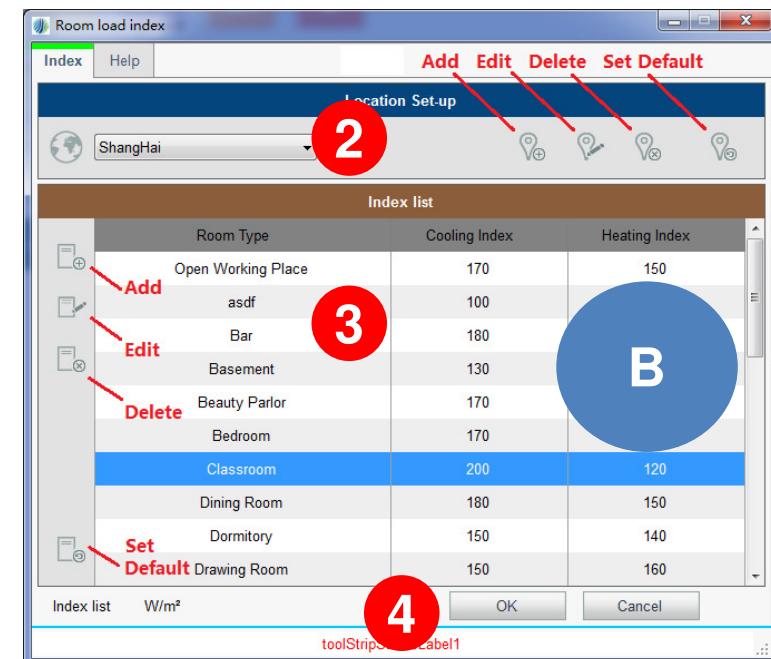
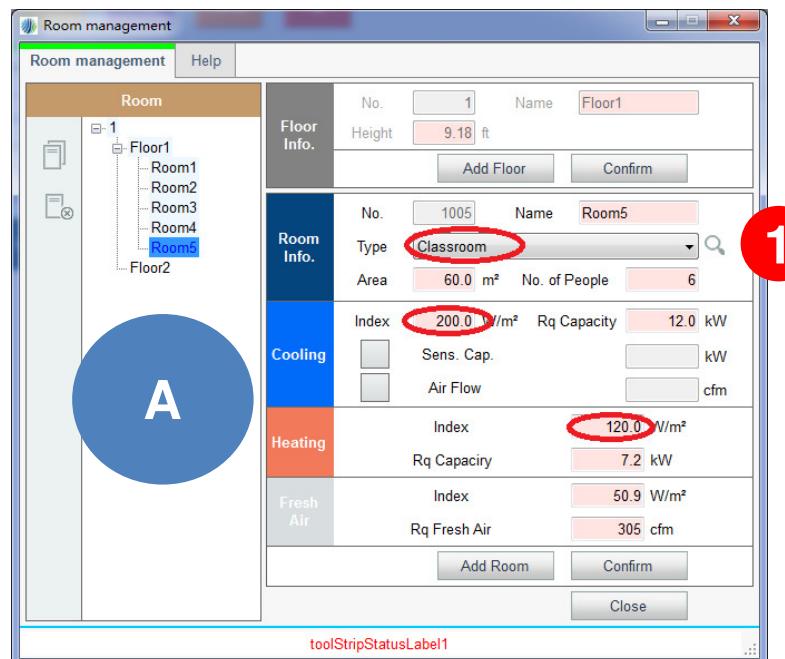
2.3 Load Index

- 1. Select predefined room type from Room type combo box, it can quickly change Load index of room you selected.



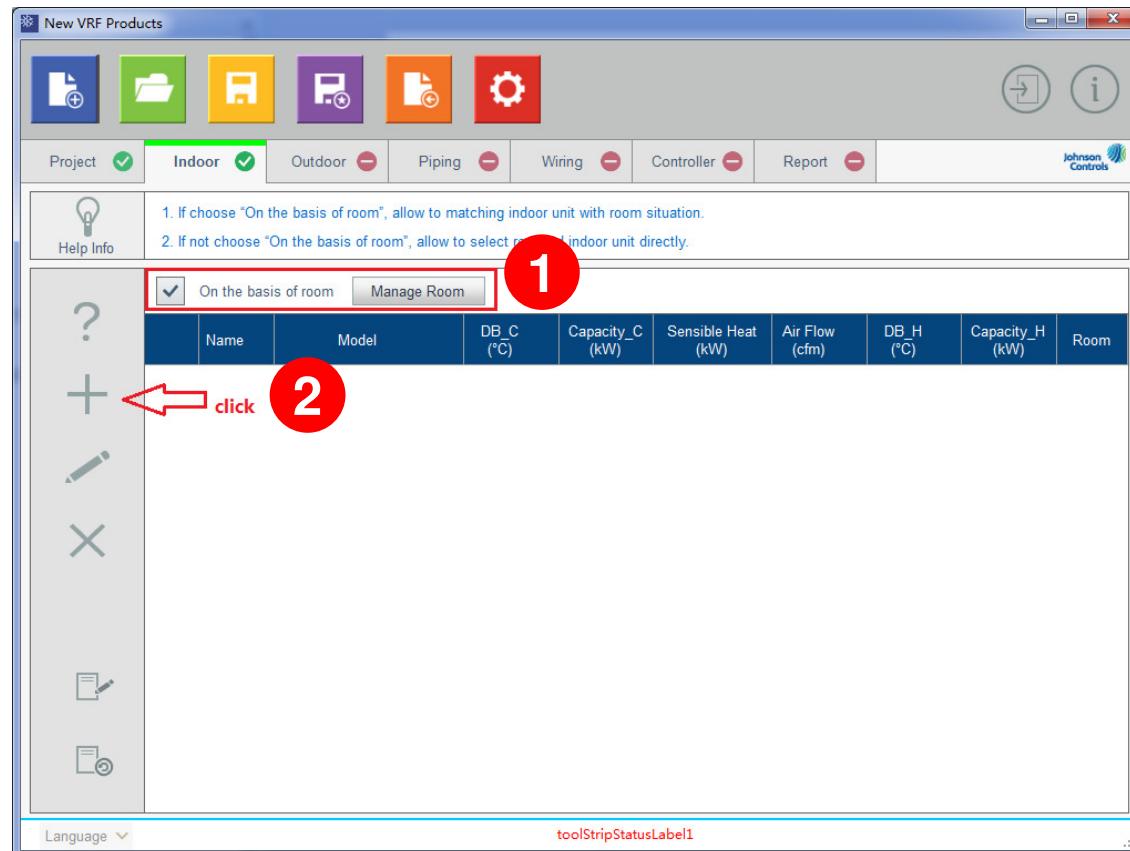
Load Index

- 1. Click “search” icon  on the picture A, go to Load Index interface of picture B.
- 2. Change “city” by ‘Add/Edit/Delete/Set Default’ icon on the location set-up Area of picture B.
- 3. Change “Load index” value of room you selected by ‘Add/Edit/Delete/Set Default’ icon on the Index List Area of Picture B.
- 4. Select a room and click “OK” button(or directly double click a room) on Picture B, go back Picture A.



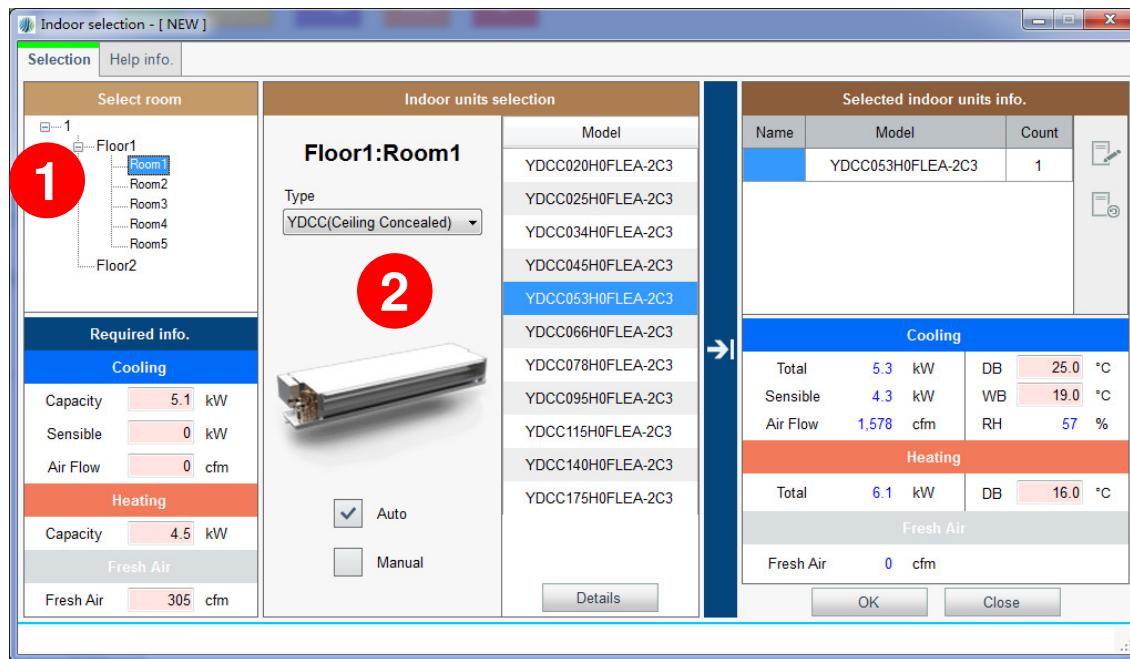
2.4 Add Indoor - With Room

- 1. Select "On the basis of room" Checkbox.
- 2. Click "Add" icon  , go to "Indoor Selection" (With Room) interface.



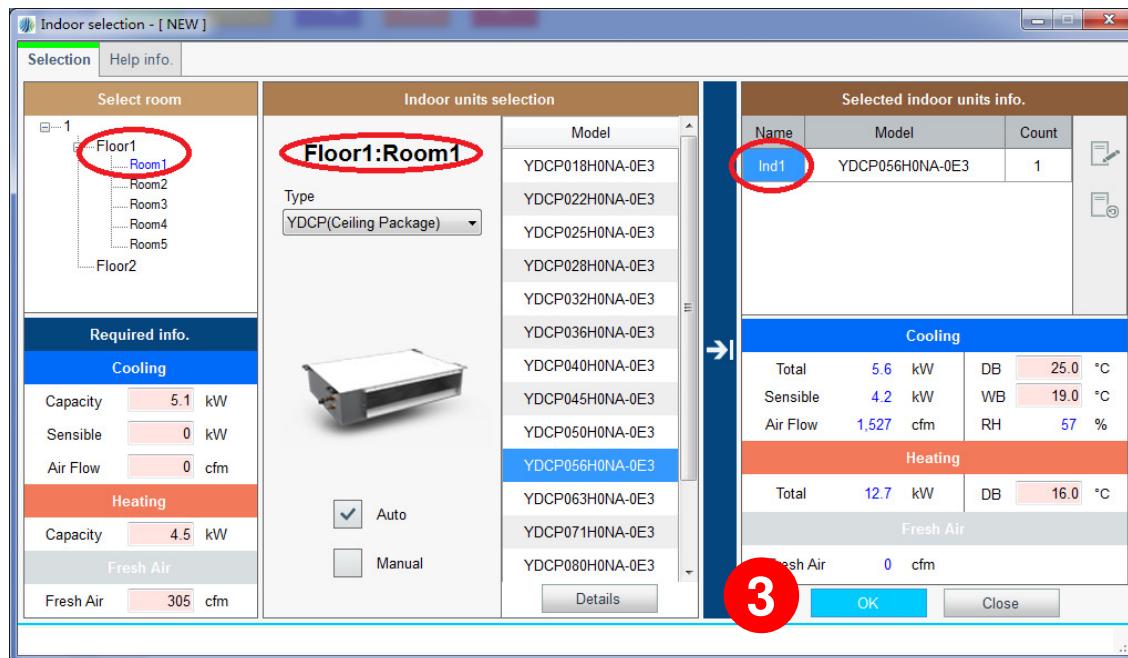
Add Indoor – With room(Auto Mode)

- 1. Firstly select a room.
- 2. Select Room Type. It will automatically select the best suitable indoor for this room and highlight.



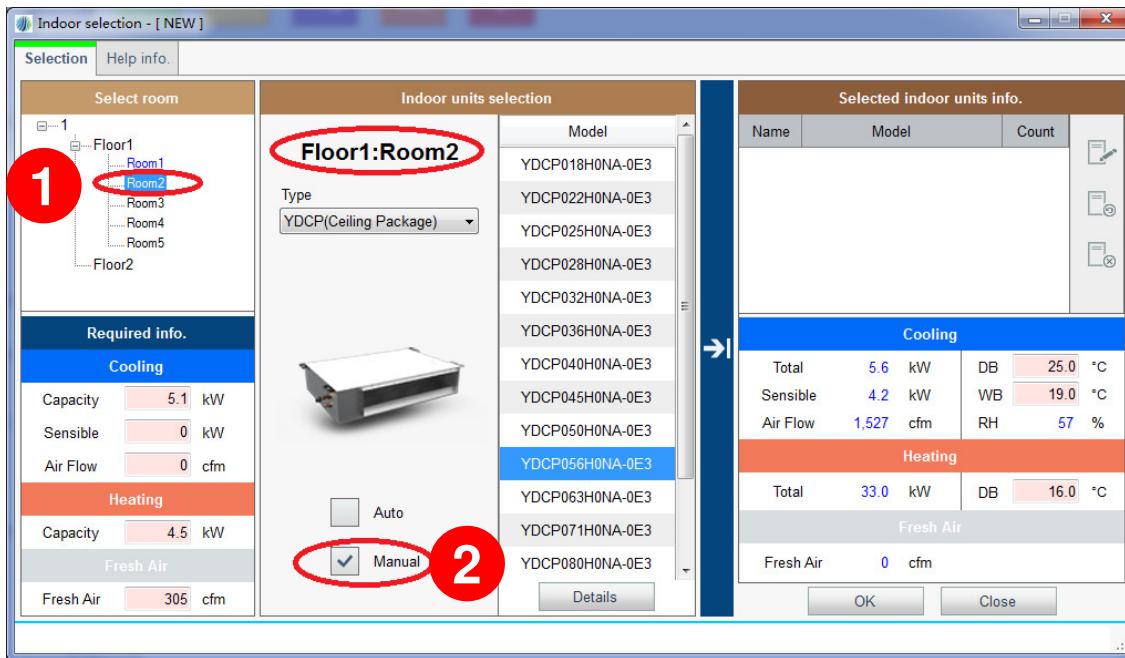
Add Indoor – With room(Auto Mode)

- 3. Click "OK" button , it will assign indoor name to this indoor unit and add this indoor unit to Indoor List.



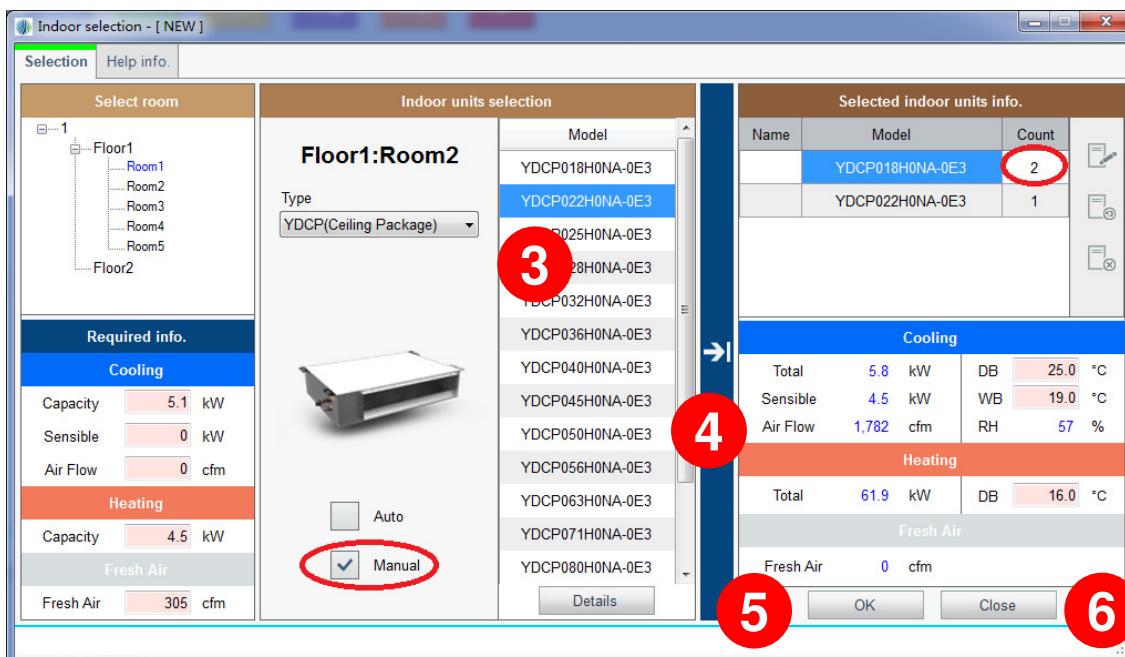
Add Indoor – With room(Manual Mode)

- 1. Select a Room
- 2. Select "Manual" checkbox



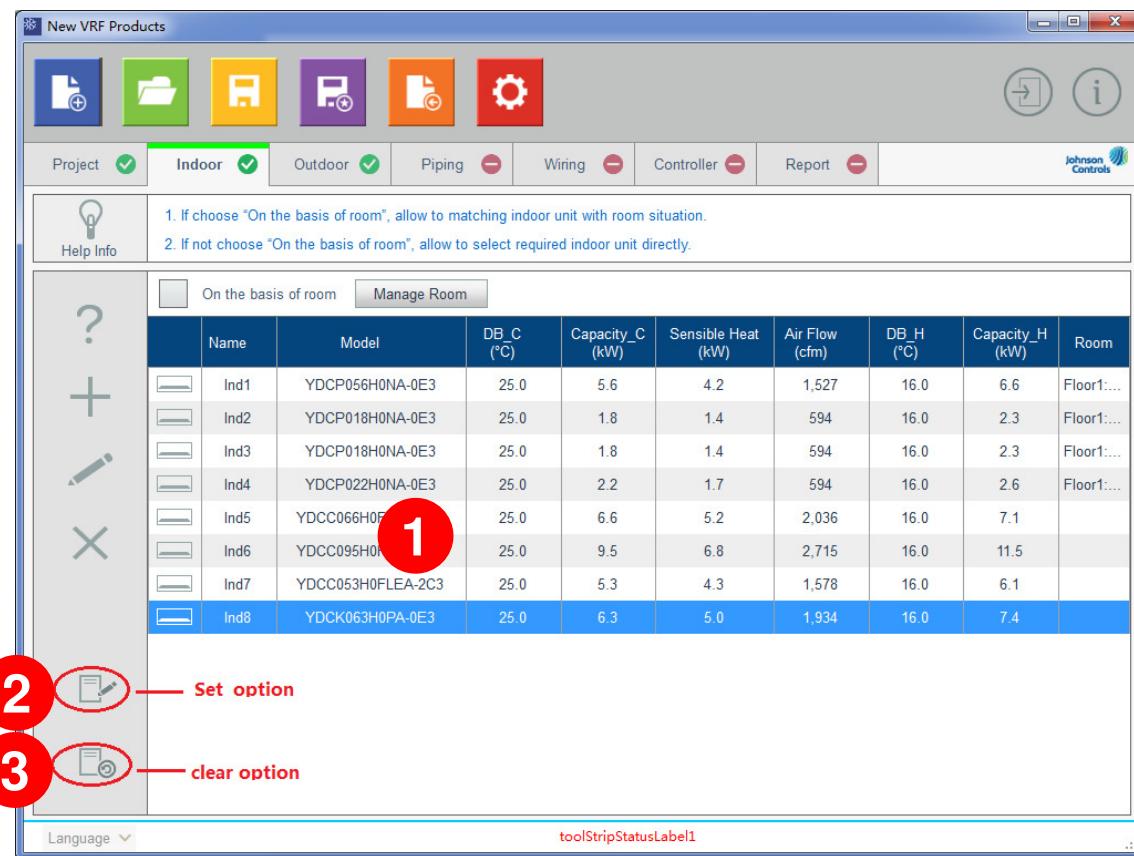
Add Indoor – With room(Manual Mode)

- 3. Select the suitable indoor unit from Indoor Model List.
- 4. Click ‘right arrow’ bar  , Add indoor to Indoor Selected List.
- 5. Click “OK” button, it will assign indoor name to this indoor unit and add this indoor unit to Indoor List.
- 6. Click “Close” button and go back indoor List interface.



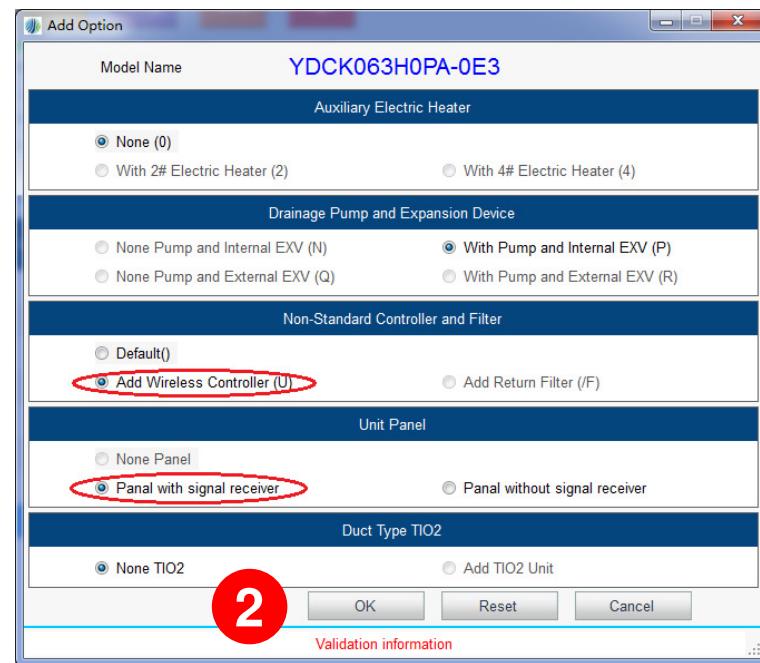
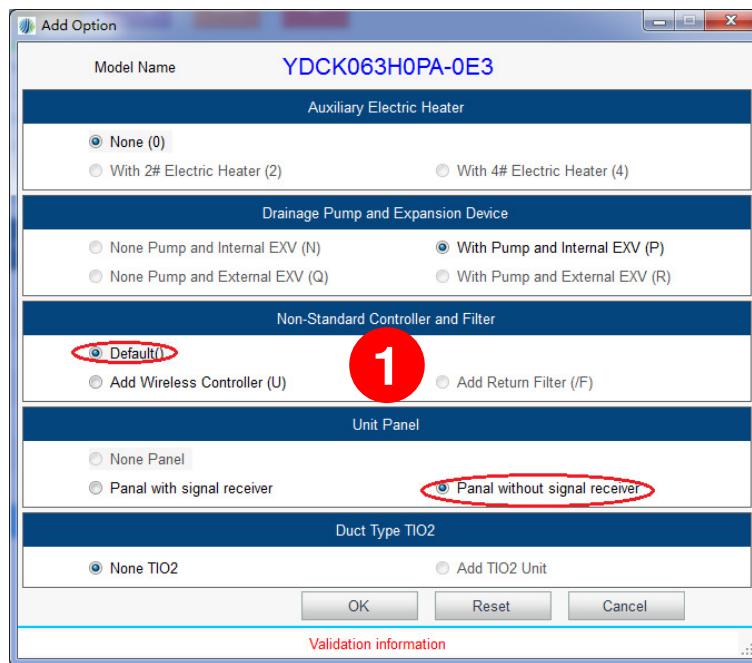
2.5 Indoor Option

- 1. Select a indoor unit or many of the same type indoor unit.
- 2. Click “Set Option” icon  , go to “Add Option” interface(See next Slide)
- 3. Click “Clear Option” icon  and reset indoor option.



Indoor Option

- 1. Change Indoor Unit Option.
- 2. Click “OK” button and go back Indoor List.



Indoor Option

- 1. Change Indoor Option, Indoor Model Name will be changed, see below.

Before the change

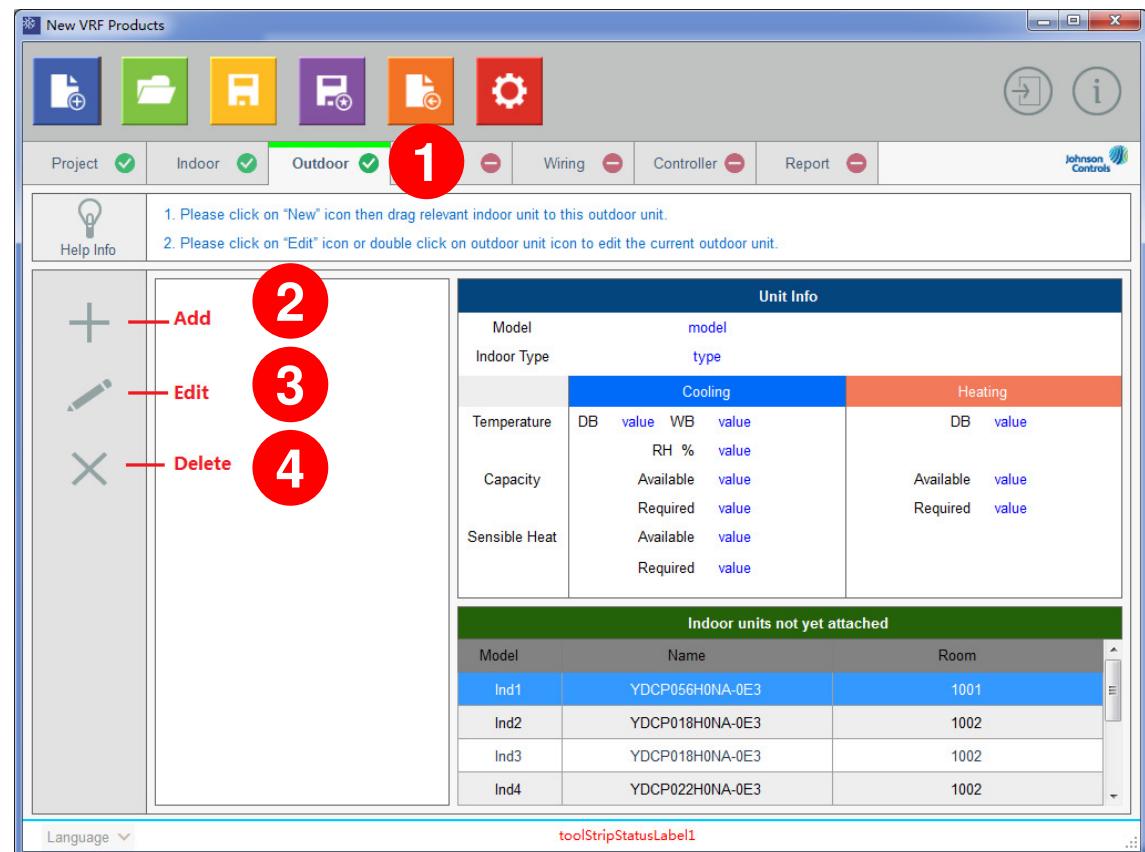
	Ind7	YDCC053H0FLEA-2C3	25.0	5.3	4.3	1,578	16.0	6.1	
	Ind8	YDCK063H0PA-0E3	25.0	6.3	5.0	1,934	16.0	7.4	

After the change

	Ind7	YDCC053H0FLEA-2C3	25.0	5.3	4.3	1,578	16.0	6.1	
	Ind8	YDCK063H0PA-0E3U	25.0	6.3	5.0	1,934	16.0	7.4	

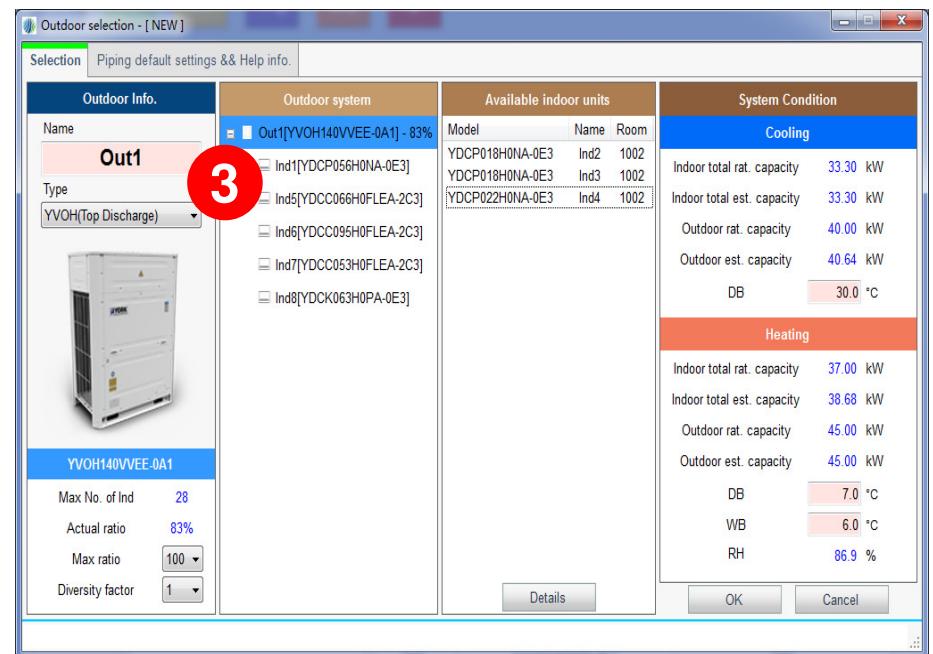
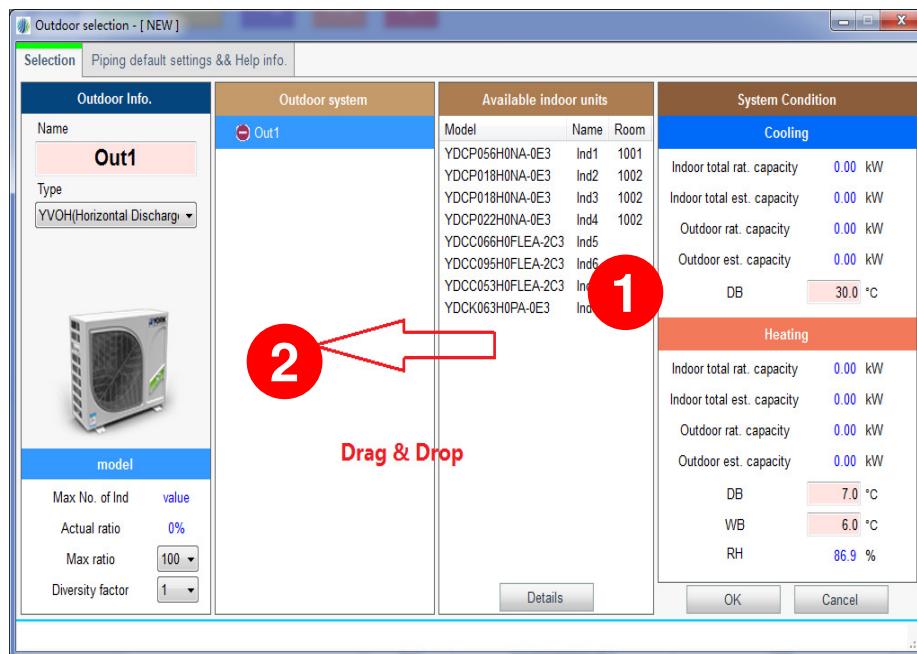
3. Add Outdoor

- 1. Completed Indoor Selection, Outdoor Tab Page was enable. Click “Outdoor” Tab and go to Outdoor interface
- 2. Click “Add outdoor” icon  , go to “Outdoor Selection” interface(See next slide)
- 3. Edit Outdoor Unit
- 4. Delete Outdoor Unit



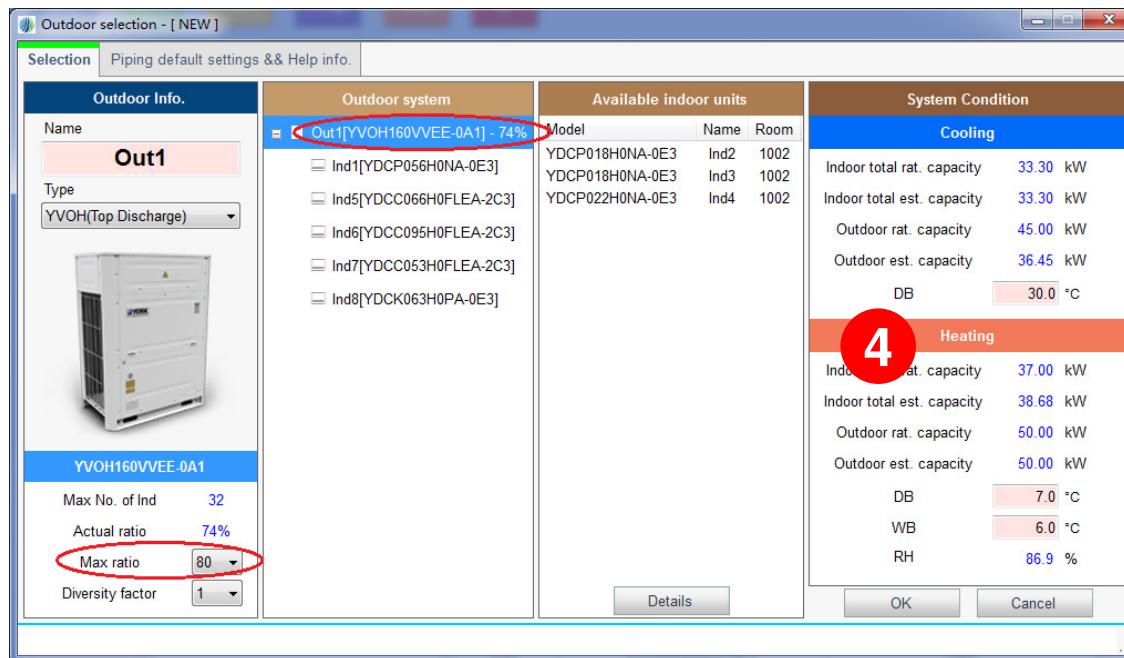
Add Outdoor

- 1. Select indoor units from “Available indoor Units” List.
- 2. Drag & Drop the selected Indoor units to “Outdoor System” List.
- 3. It will automatically select the best suitable Outdoor unit.



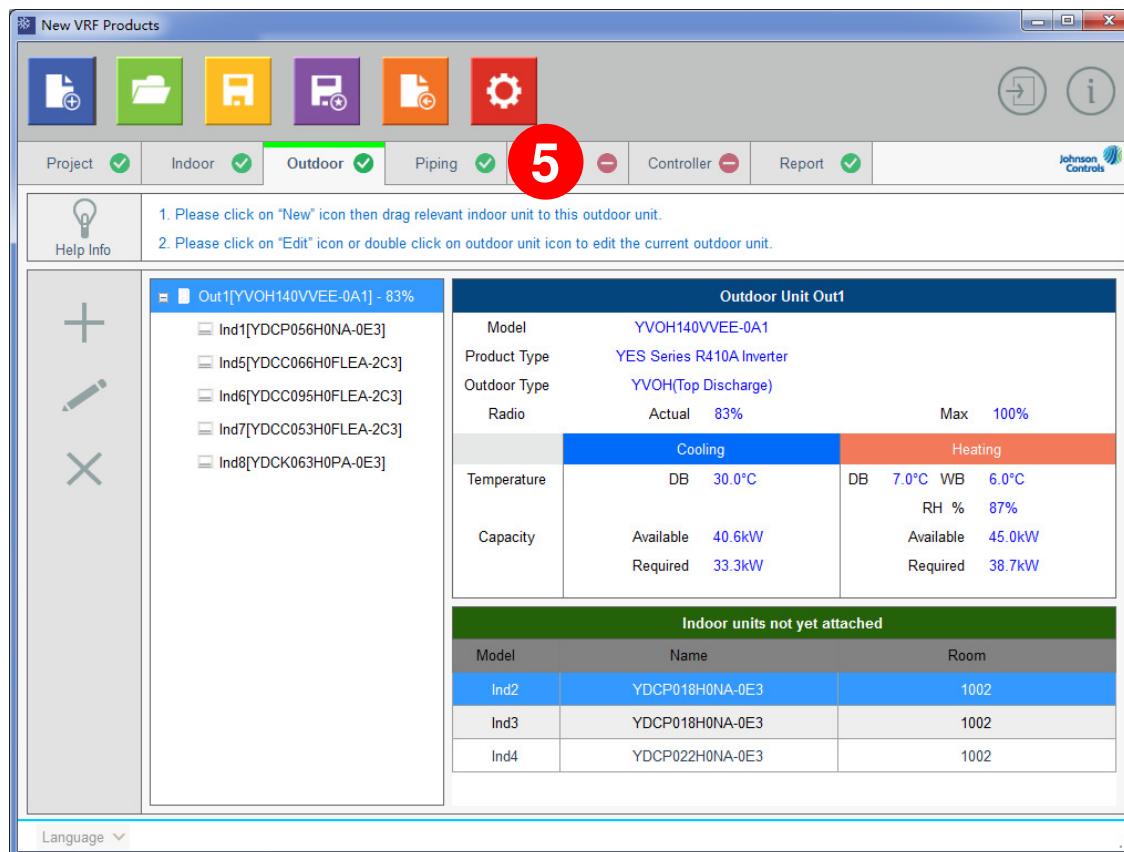
Add Outdoor

- 4. Change “Type、DB、WB、Max Ratio、Diversity Factor” value, It will automatically re-select outdoor unit.



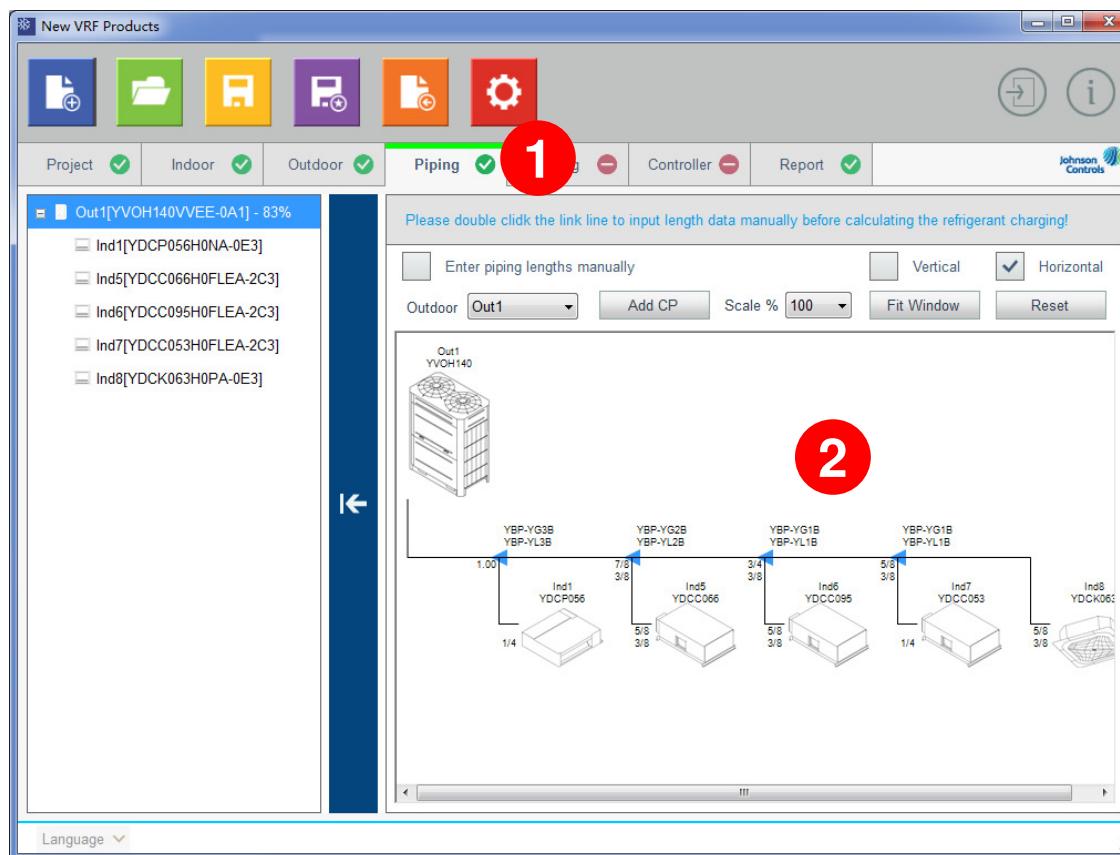
Add Outdoor

- 5. Completed Outdoor Selection, “Piping” Tab Page was enable.



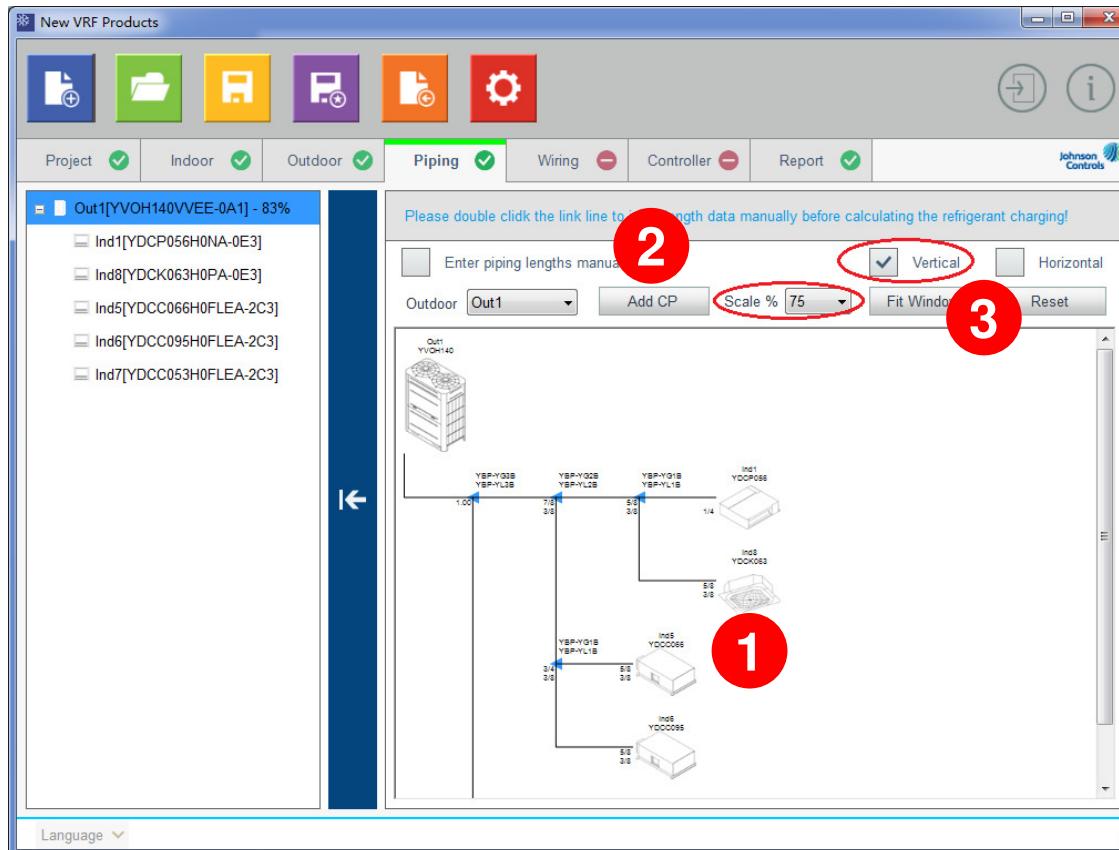
4. Piping(Auto Mode)

- 1. Click "Piping" Tab and go to "Piping" interface.
- 2. Automatic mode, Piping diagram and calculation will be automatically completed.



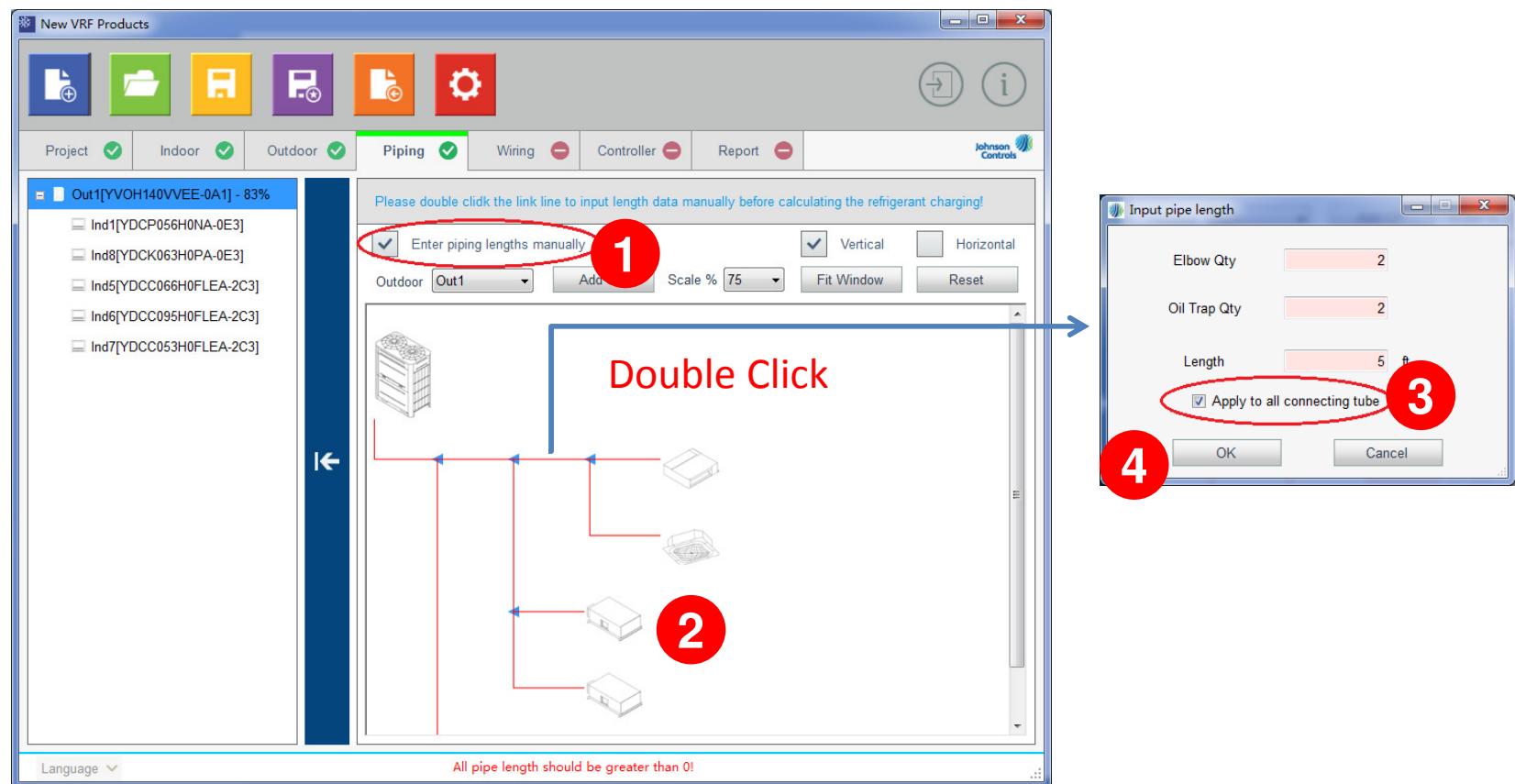
Piping(Auto Mode)

- 1. Drag and Drop Indoor unit to change piping layout.
- 2. Add CP: Select a indoor unit, then click “Add CP” button.
- 3. Change “Scale/Vertical/Horizontal/Fit windows/Reset “ value to adjust piping layout.



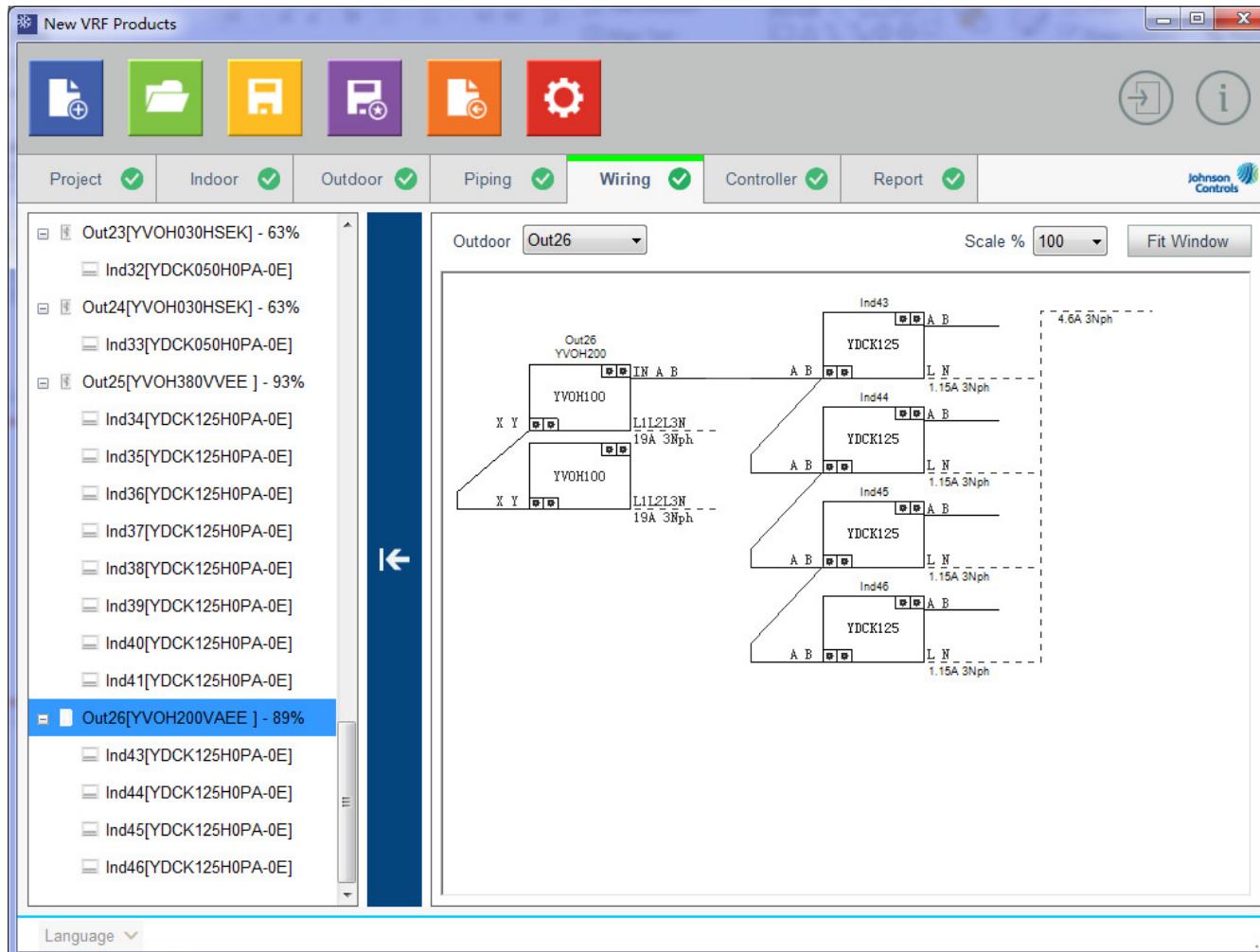
Piping(Manual Mode)

- 1. Select "Enter piping length manually" Checkbox, joint pipe is red highlight.
- 2. Double click one 'red joint pipe', pipe length dialog will be shown.
- 3. Input "Pipe Length/Elbow/Oil Trap" value. Click "Apply to all connecting tube", each of pipe length is same.
- 4. Click "OK" button and go back to Piping interface. After all pipe information complete input, piping calculation will be automatically completed.



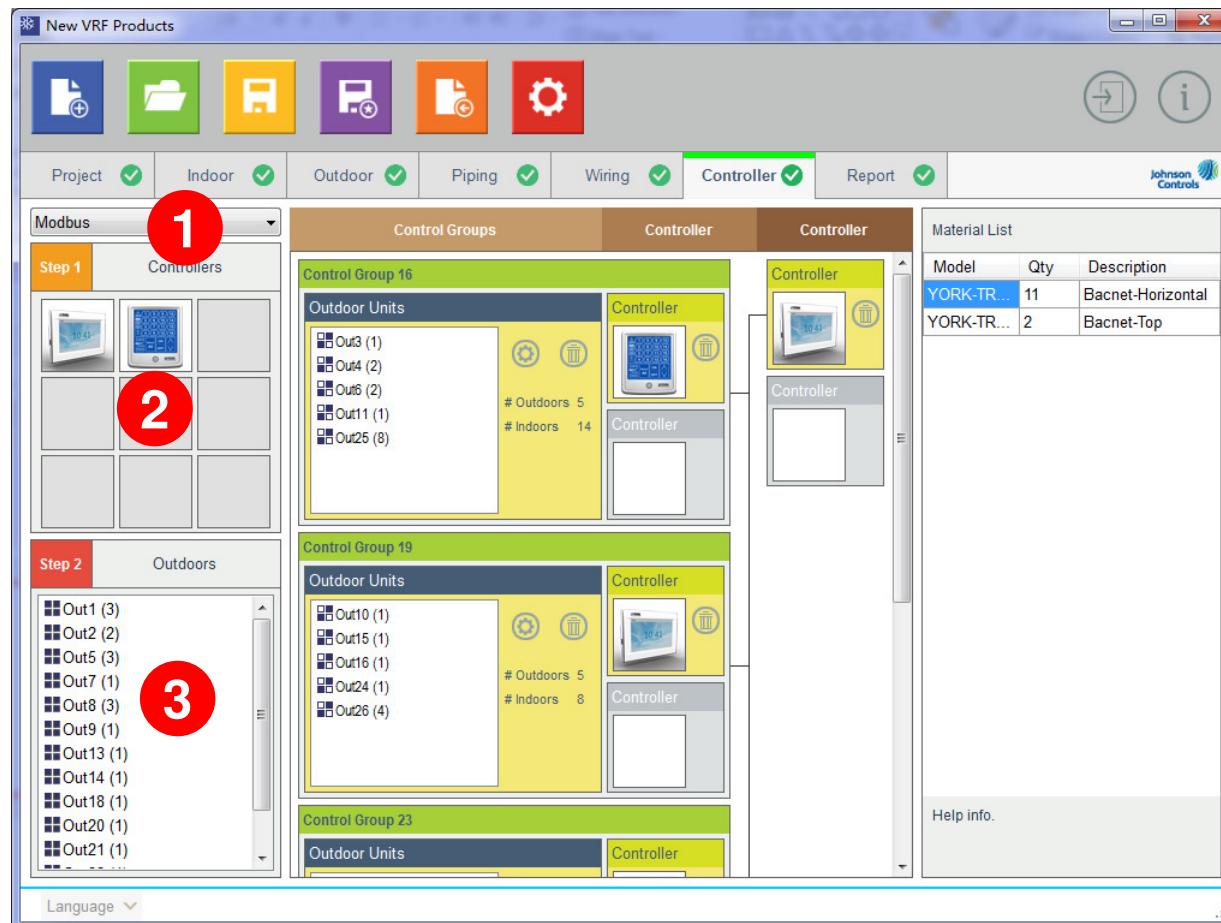
5.Wiring

- 1. When you complete Outdoor selection, Wiring draw will be automatically completed.



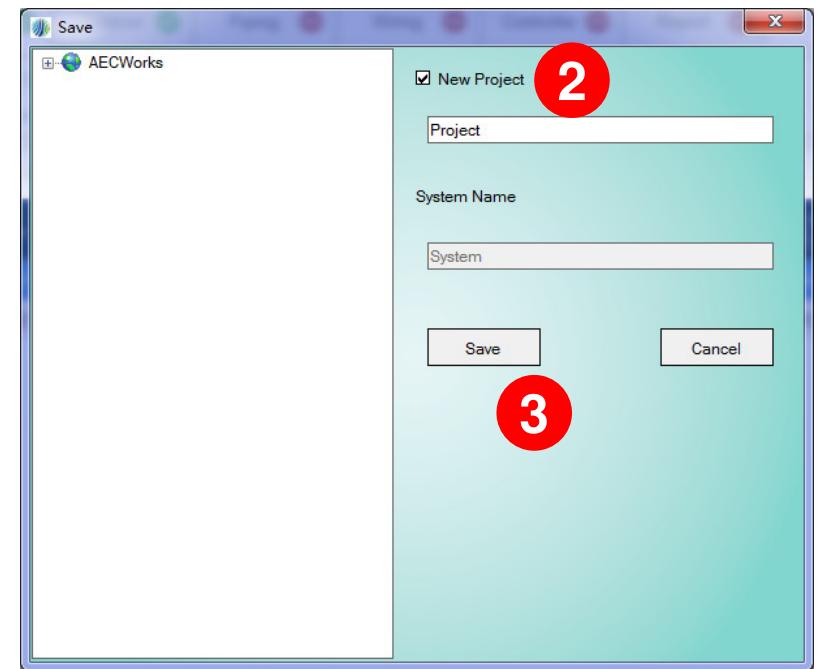
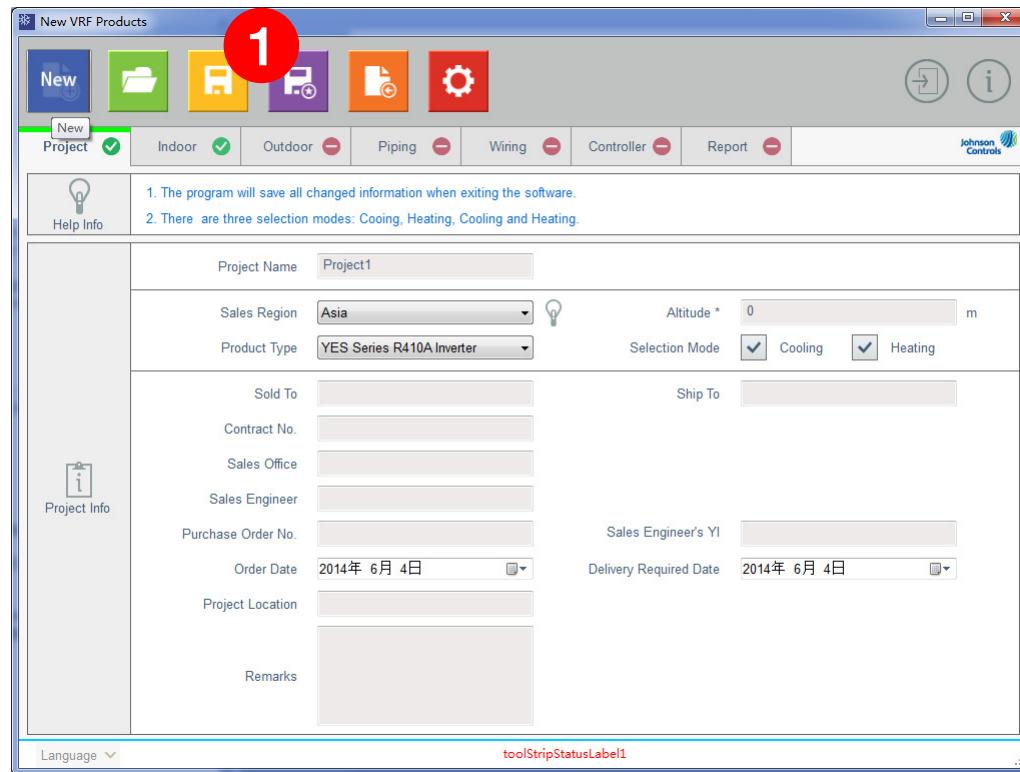
6.Controller

- 1. Select Controller Type(Modbus or BACnet).
- 2. Select a controller from controller list, then drag and drop it to controller Box.
- 3. Select an outdoor(system), drag and drop it to outdoor(system) list.



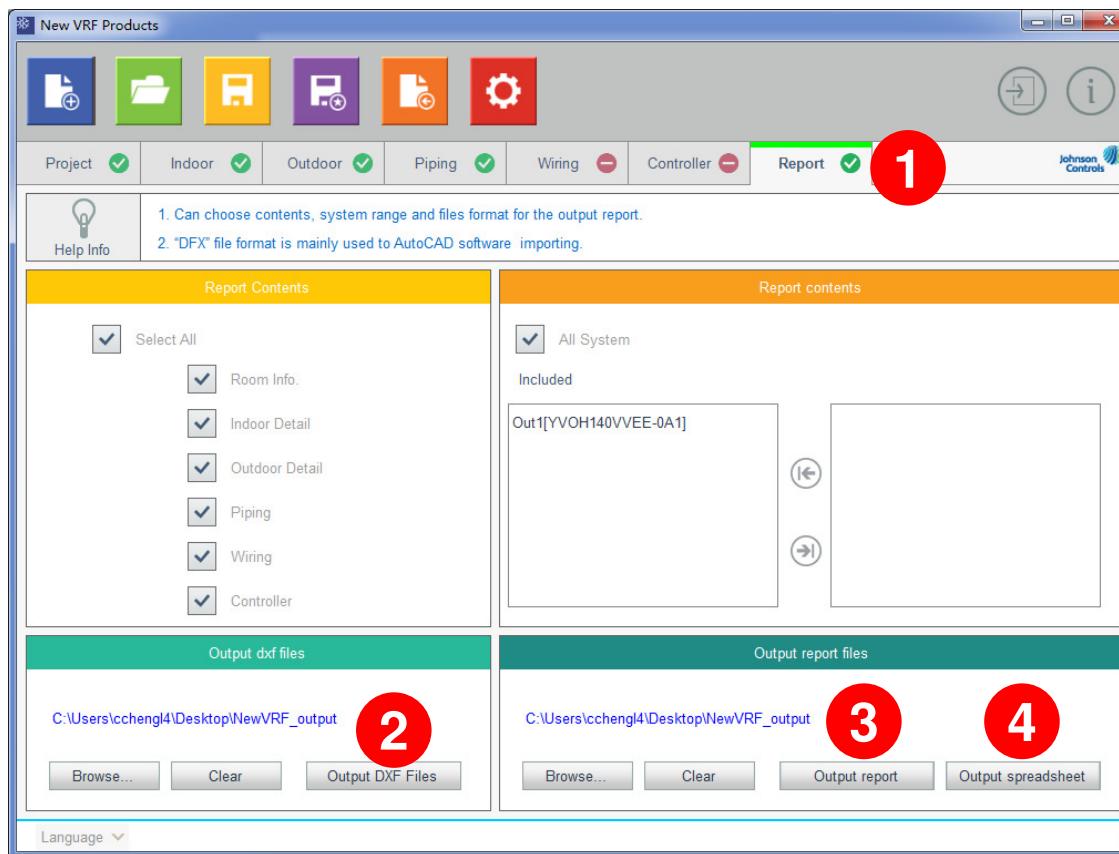
7. Save Project

- 1. Click “Save/Save As” Icon, Save Dialog will be shown.
- 2. Select “New Project” checkbox, then input “Project” name.
- 3. Click “Save” button to Save(Or Save As) Project



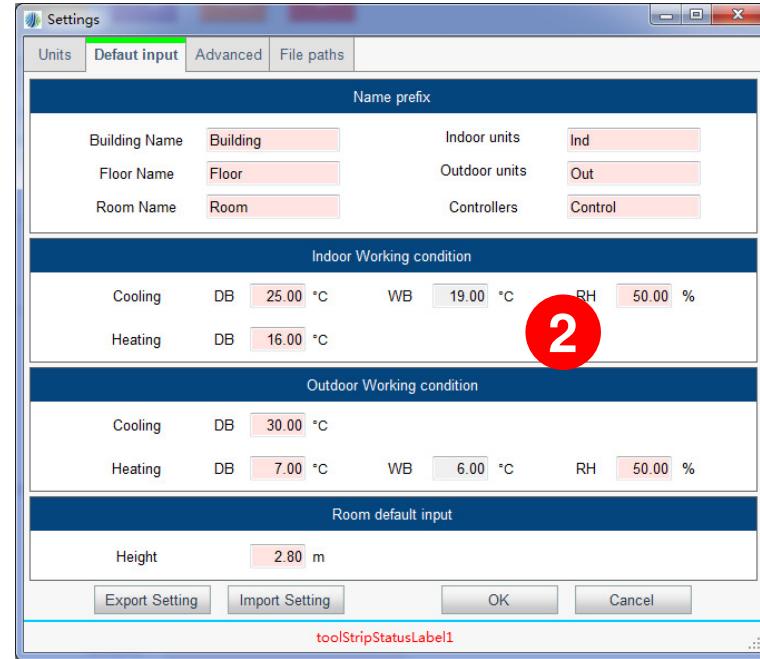
8. Report

- 1. Completed Piping, “Report” Tab Page was enable, Click “Report” Tab and go to “Report” interface.
- 2. Click “Output DXF files” to output piping layout of DXF format.
- 3. Click “Output Report” to output report of word format.
- 4. Click “Output spreadsheet” to output report of Excel format.



9. Setting

- 1. Click “setting” icon of Toolbar menu.
- 2. Set default value on setting interface, includes Units、Default input、Advanced、File Paths.



9. Setting

- 3. Click "Import Setting" & "Export Setting" button, Import or Export configuration files of setting.

