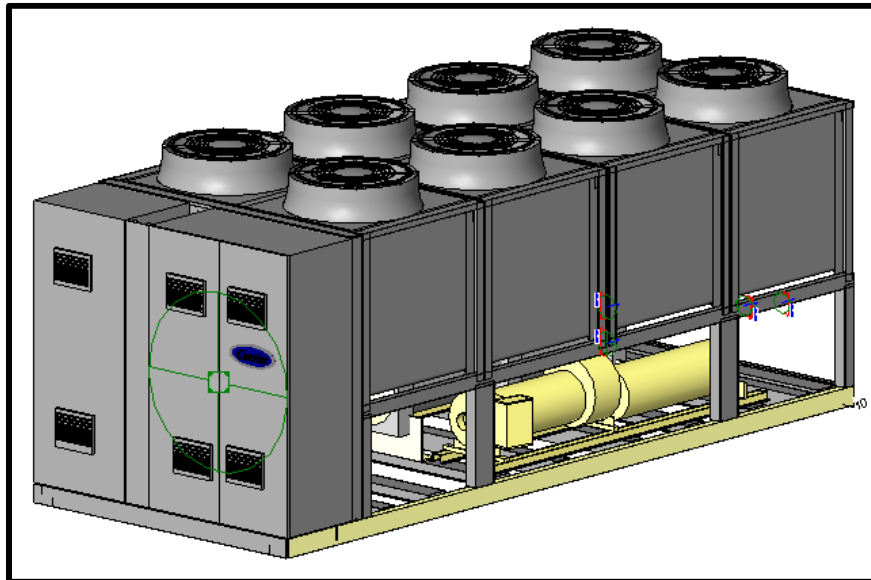


*30KAV0600 /*  
*30KAVZE0450*



# *INDEX*

## *Slide Number*

- |    |                                  |       |
|----|----------------------------------|-------|
| 1. | Excel sheet Data to Revit Option | 3     |
| 2. | Operation of Revit file          | 4-40  |
| 3. | Connector Information            | 41-49 |

## Excel To Revit File Conversion

### 30KAV / 30KAVZE REVIT DATABASE

| <u>30KAV / 30KAVZE<br/>RANGE</u> | <u>Standard Components</u>                                      | <u>Options</u>   |                            |                    |                    |                                    |                                    |                                      |                                             |
|----------------------------------|-----------------------------------------------------------------|------------------|----------------------------|--------------------|--------------------|------------------------------------|------------------------------------|--------------------------------------|---------------------------------------------|
|                                  | Chassis/structure/wcoil/cooler<br>/ electrical box/suction line | Hyd_kit(opt-116) | Expansion Tank<br>(opt293) | Grill Panel(opt23) | Coil panel(opt23a) | Comp enclosure (opt<br>15 or 15LS) | Total Heat<br>Recovery (opt<br>50) | Partial Heat<br>Recovery (opt<br>49) | Cooler hydraulic<br>connection (opt<br>266) |
| 30KAV0600 / 30KAVZE0450          | x                                                               | x                | x                          | x                  | x                  | x                                  | x                                  | x                                    | x                                           |

### SINGLE OPTION

| SL NO | Revit Option            | Description                                   |
|-------|-------------------------|-----------------------------------------------|
| 1     | 30KAV0600 / 30KAVZE0450 | Standrad components                           |
| 2     | Option 15/15ls          | Standard Unit + Comp Enclosure                |
| 3     | Option 23               | Standard Unit + Coil Protection+grill         |
| 4     | Option 23a              | Standard Unit + Coil Protection               |
| 5     | Option 116A             | Standard Unit + Low pressureDouble pump(BP)   |
| 6     | Option 116W             | Standard Unit + High Pressure Double pump(HP) |
| 7     | Option 293              | 116A/W+Expansion tank                         |
| 8     | Option 50               | Total Heat Recovery                           |
| 9     | Option 49               | Partial Heat Recovery                         |
| 10    | Option 266              | Cooler hydraulic connection                   |

# REVIT FAMILY TABLE

Family Types

Type name: 30KAV0600 / 30KAVZE0450

Search param: 30KAV0600 / 30KAVZE0450

|                              |                                       |
|------------------------------|---------------------------------------|
|                              | Opt 116A + Opt 293                    |
|                              | Opt 116W + Opt 293                    |
|                              | Opt 15L/LS + OPT 23                   |
|                              | Opt 15L/LS + OPT 23a                  |
| Construction                 | Opt 15L/LS + OPT 116A                 |
| ATEX Zone                    | Opt 15L/LS + OPT 116W                 |
| ATEX Zone +                  | Opt 15L/LS + OPT 23+Opt 116A          |
| OPT266                       | Opt 15L/LS + OPT 23+Opt 116A+OPT 293  |
| OPT266_116                   | Opt 15L/LS + OPT 23+Opt 116W          |
| OPT266_116                   | Opt 15L/LS + OPT 23+Opt 116W+OPT 293  |
| OPT49+ OPT                   | Opt 15L/LS + OPT 23a+Opt 116A         |
| OPT50+ OPT                   | Opt 15L/LS + OPT 23a+Opt 116W+OPT 293 |
| OPT49+ OPT                   | Opt 15L/LS + OPT 293+Opt 116A         |
| OPT50+ OPT                   | Opt 15L/LS + OPT 293+Opt 116W         |
| OPT49_ OPT2                  | OPT 23+ OPT 116A                      |
| OPT50_ OPT2                  | OPT 23+ OPT 116W + Opt 293            |
| OPT50                        | OPT 23a + OPT 116A                    |
| OPT325 for C                 | OPT 23a+ OPT 116A + Opt 293           |
| OPT49                        | OPT 23a+ OPT 116W                     |
| OPT325 for C                 | OPT 23a+ OPT 116W + Opt 293           |
| Service Area                 | OPT 116A + OPT 266                    |
| Option293                    | OPT 116W + OPT 266                    |
| Option23a                    | OPT 15/15LS                           |
| Option23                     | OPT 23                                |
| OPT116-BP                    | OPT 266                               |
| OPT116-HP                    |                                       |
| 15LS/15L                     |                                       |
| Service Area + Heat Recovery |                                       |

Identity Data

<







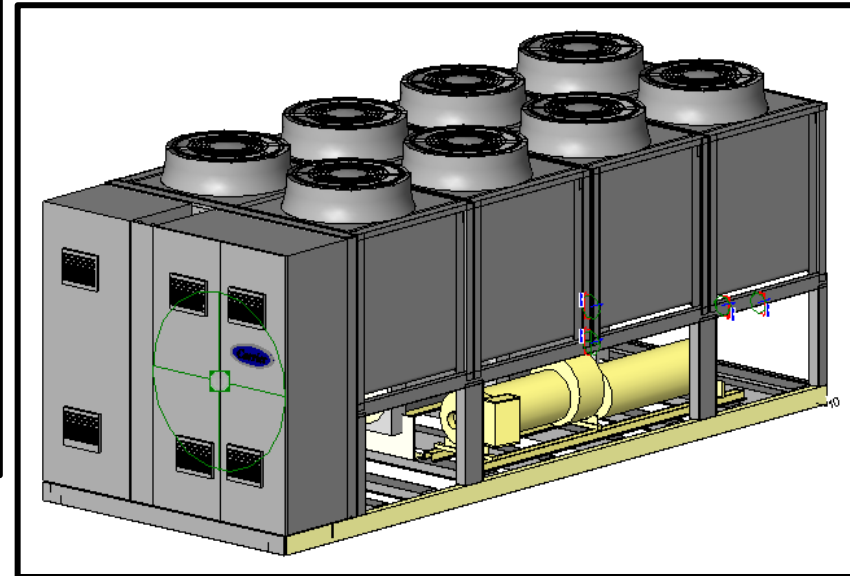
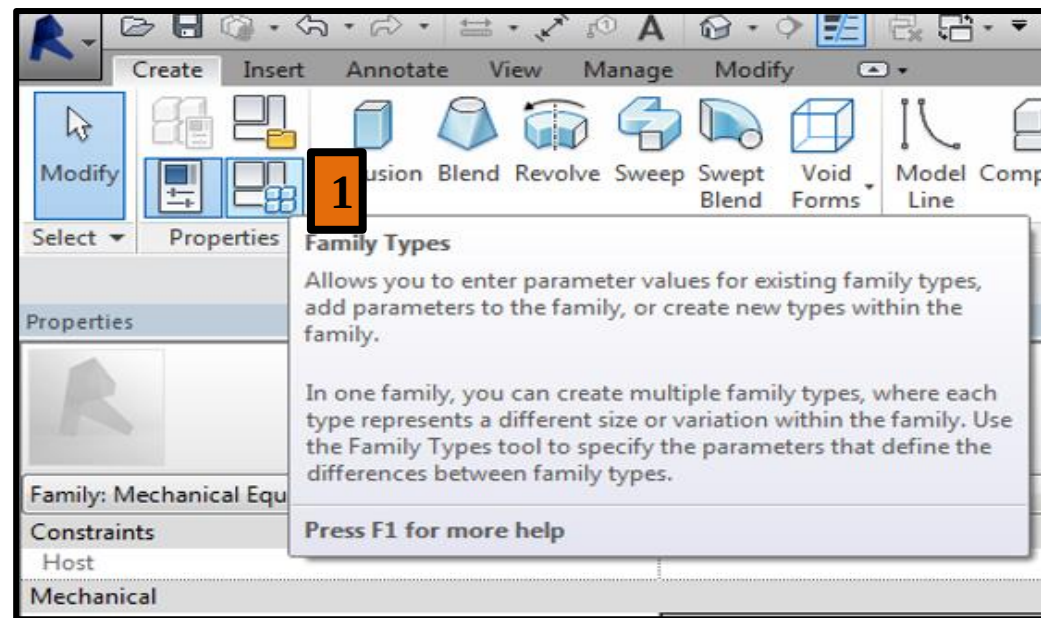


[How do I manage family types?](#)

OK

# Operating Revit file

**Step 1**-After Opening Revit file. Please Click on “Family Type Console” as Shown below to view Multiple Options



**Step 2**-After Opening Family Type Console, Pick Required Option from the drop Down as shown below and click OK.

**Options are Configured for users.**

Family Types

Type name: 30KAV0600 / 30KAVZE0450

2

Search param

Opt 116A + Opt 293  
Opt 116W + Opt 293  
Opt 15L/LS + Opt 23  
Opt 15L/LS + Opt 23a  
Opt 15L/LS + Opt 116A  
Opt 15L/LS + Opt 116W  
Opt 15L/LS + Opt 23+Opt 116A  
Opt 15L/LS + Opt 23+Opt 116W+Opt 293  
Opt 15L/LS + Opt 23a+Opt 116A  
Opt 15L/LS + Opt 23a+Opt 116W+Opt 293  
Opt 15L/LS + Opt 23a+Opt 116W  
Opt 15L/LS + Opt 23a+Opt 116W+Opt 293  
Opt 15L/LS + Opt 293+Opt 116A  
Opt 15L/LS + Opt 293+Opt 116W  
Opt 23+Opt 116A  
Opt 23+Opt 116A + Opt 293  
Opt 23+Opt 116W  
Opt 23+Opt 116W + Opt 293  
Opt 23a + Opt 116A  
Opt 23a + Opt 116A + Opt 293  
Opt 23a + Opt 116W  
Opt 23a + Opt 116W + Opt 293  
Opt 116A + Opt 266  
Opt 116W + Opt 266  
Opt 15/15LS  
Opt 23  
Option293  
Opt 266

Construction

ATEX Zone

ATEX Zone + Heat Recovery

Opt 266

Opt 266\_116

Opt 266\_116\_HYDKIT\_BP

Opt 266\_116\_HYDKIT\_HP

Opt 49+ Opt 266

Opt 49+ Opt 266

Opt 50+ Opt 266

Opt 49\_ Opt 266

Opt 50\_ Opt 266

Opt 50

Opt 325 for Opt 50

Opt 49

Opt 325 for Opt 49

Service Area

Option 23a

Option 23

Opt 116-BP

Opt 116-HP

15LS/15L

Service Area + Heat Recovery

Identity Data

<

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OK

Family Types

Type name: 30KAV0600 / 30KAVZE0450

Search parameters

| Parameter                    | Value                    |
|------------------------------|--------------------------|
| Construction                 |                          |
| ATEX Zone                    | <input type="checkbox"/> |
| ATEX Zone + Heat Recovery    | <input type="checkbox"/> |
| Opt 266                      | <input type="checkbox"/> |
| Opt 266_116_HYDKIT_BP        | <input type="checkbox"/> |
| Opt 266_116_HYDKIT_HP        | <input type="checkbox"/> |
| Opt 49+ Opt 325_ Opt 266     | <input type="checkbox"/> |
| Opt 50+ Opt 325_ Opt 266     | <input type="checkbox"/> |
| Opt 49+ Opt 325_ Opt 267     | <input type="checkbox"/> |
| Opt 50+ Opt 325_ Opt 267     | <input type="checkbox"/> |
| Opt 49_ Opt 267              | <input type="checkbox"/> |
| Opt 50_ Opt 267              | <input type="checkbox"/> |
| Opt 50                       | <input type="checkbox"/> |
| Opt 325 for Opt 50           | <input type="checkbox"/> |
| Opt 49                       | <input type="checkbox"/> |
| Opt 325 for Opt 49           | <input type="checkbox"/> |
| Service Area                 | <input type="checkbox"/> |
| Option 293                   | <input type="checkbox"/> |
| Option 23a                   | <input type="checkbox"/> |
| Option 23                    | <input type="checkbox"/> |
| Opt 116-BP                   | <input type="checkbox"/> |
| Opt 116-HP                   | <input type="checkbox"/> |
| 15LS/15L                     | <input type="checkbox"/> |
| Service Area + Heat Recovery | <input type="checkbox"/> |

2

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OK

**Note:** 1)Kindly don't modify the Option Configuration by checking and Unchecking the box.

2) All options can be viewed by following same process

# Standard Unit Creation

## 30KAV0600 / 30KAVZE0450

Family Types

Type name: 30KAV0600 / 30KAVZE0450

Search parameters

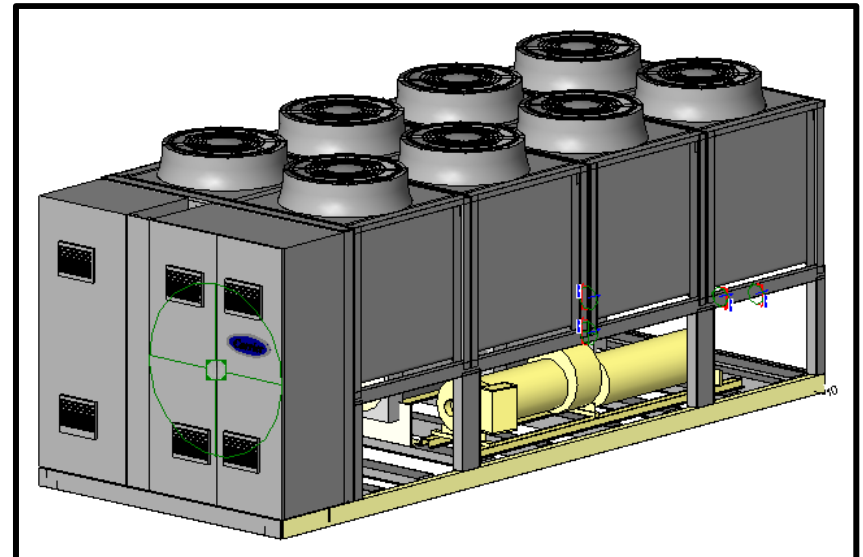
| Parameter                    | Value                    |
|------------------------------|--------------------------|
| <b>Construction</b>          |                          |
| ATEX Zone                    | <input type="checkbox"/> |
| ATEX Zone + Heat Recovery    | <input type="checkbox"/> |
| OPT266                       | <input type="checkbox"/> |
| OPT266_116_HYDKIT_BP         | <input type="checkbox"/> |
| OPT266_116_HYDKIT_HP         | <input type="checkbox"/> |
| OPT49+ OPT325_OPT266         | <input type="checkbox"/> |
| OPT50+ OPT325_OPT266         | <input type="checkbox"/> |
| OPT49+ OPT325_OPT267         | <input type="checkbox"/> |
| OPT50+ OPT325_OPT267         | <input type="checkbox"/> |
| OPT49_OPT267                 | <input type="checkbox"/> |
| OPT50_OPT267                 | <input type="checkbox"/> |
| OPT50                        | <input type="checkbox"/> |
| OPT325 for OPT50             | <input type="checkbox"/> |
| OPT49                        | <input type="checkbox"/> |
| OPT325 for OPT49             | <input type="checkbox"/> |
| <b>Service Area</b>          |                          |
| Option293                    | <input type="checkbox"/> |
| Option23a                    | <input type="checkbox"/> |
| Option23                     | <input type="checkbox"/> |
| OPT116-BP                    | <input type="checkbox"/> |
| OPT116-HP                    | <input type="checkbox"/> |
| 15LS/15L                     | <input type="checkbox"/> |
| Service Area + Heat Recovery | <input type="checkbox"/> |

<

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**Note:** Follow Step 1&2 as explained in previous slides, to select options



## Option 15/15LS

Low Noise Enclosure  
Standard unit + Enclosure

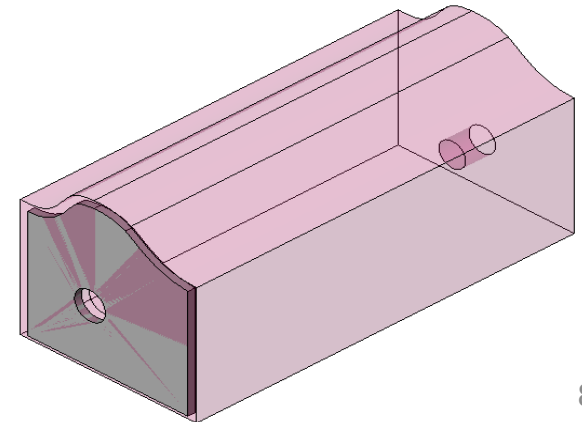
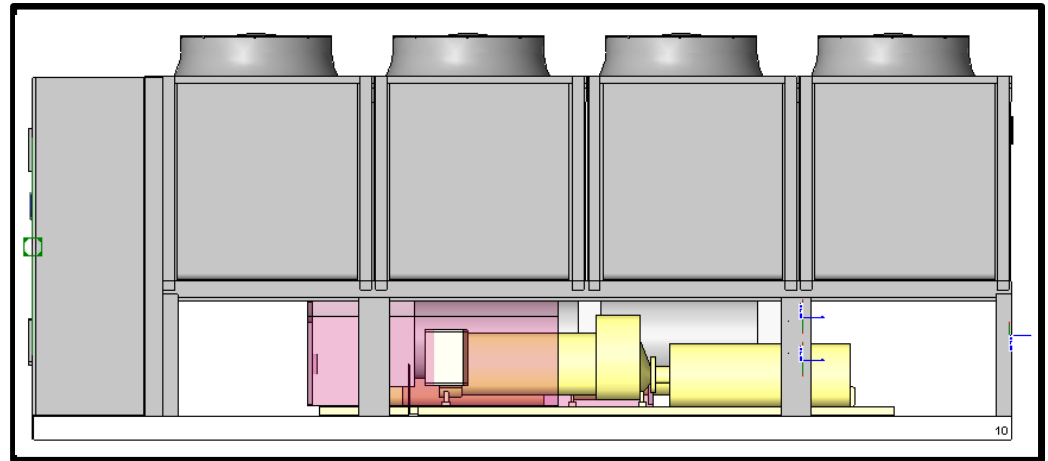
Family Types

Type name: OPT15/15LS

Search parameters

| Parameter            | Value                               |
|----------------------|-------------------------------------|
| <b>Construction</b>  |                                     |
| OPT50                | <input type="checkbox"/>            |
| OPT325 for OPT50     | <input type="checkbox"/>            |
| OPT49                | <input type="checkbox"/>            |
| OPT325 for OPT49     | <input type="checkbox"/>            |
| Service Area         | <input type="checkbox"/>            |
| Option293            | <input type="checkbox"/>            |
| Option23a            | <input type="checkbox"/>            |
| Option23             | <input type="checkbox"/>            |
| OPT116-600BP         | <input type="checkbox"/>            |
| OPT116-600HP         | <input type="checkbox"/>            |
| 15LS/15L             | <input checked="" type="checkbox"/> |
| <b>Identity Data</b> |                                     |
|                      |                                     |

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## Option 23

### Coil panel protection

Standard unit + panel+ Grill

Family Types

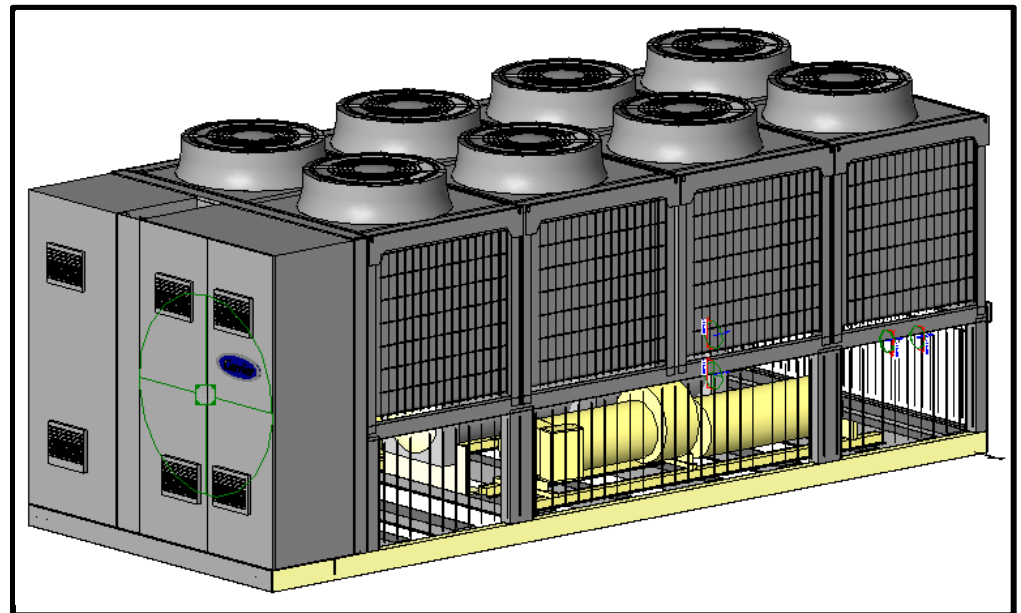
Type name:

Search parameters

| Parameter            | Value                               |   |
|----------------------|-------------------------------------|---|
| <b>Construction</b>  |                                     |   |
| OPT50                | <input type="checkbox"/>            | = |
| OPT325 for OPT50     | <input type="checkbox"/>            | = |
| OPT49                | <input type="checkbox"/>            | = |
| OPT325 for OPT49     | <input type="checkbox"/>            | = |
| <b>Service Area</b>  |                                     |   |
| Option293            | <input type="checkbox"/>            | = |
| Option23a            | <input type="checkbox"/>            | = |
| Option23             | <input checked="" type="checkbox"/> | = |
| OPT116-600BP         | <input type="checkbox"/>            | = |
| OPT116-600HP         | <input type="checkbox"/>            | = |
| 15LS/15L             | <input type="checkbox"/>            | = |
| <b>Identity Data</b> |                                     |   |
|                      |                                     |   |
|                      |                                     |   |
|                      |                                     |   |

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## Option 23a

### Coil panel protection Standard unit + panel

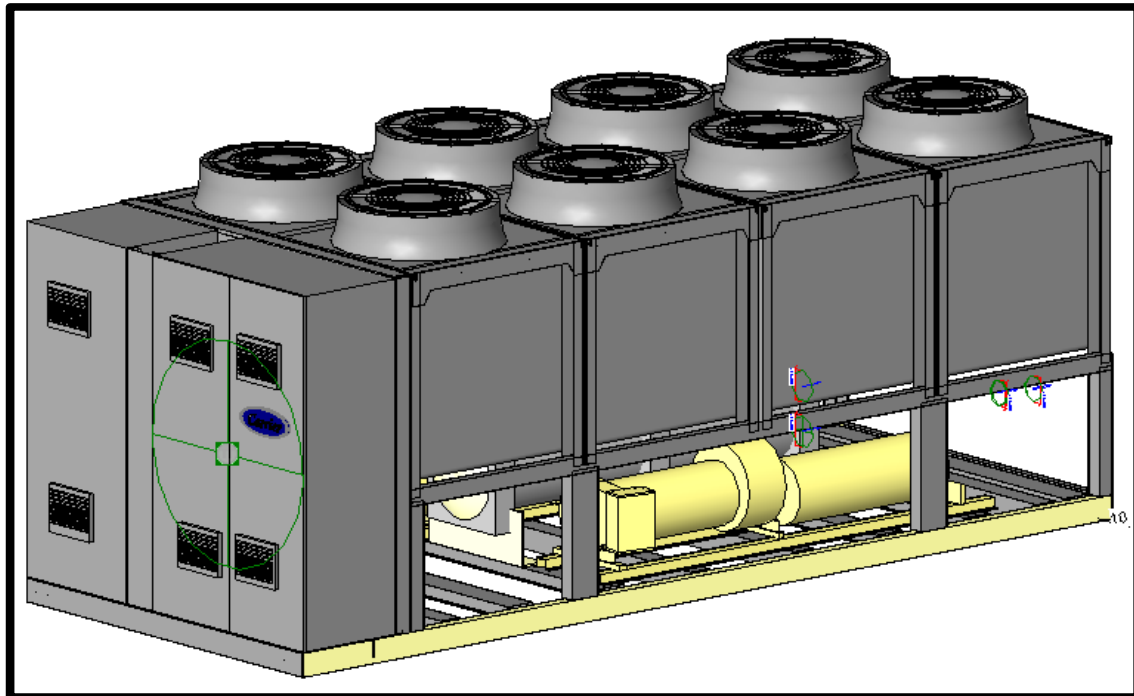
Family Types

Type name:

Search parameters

| Parameter            | Value                               |
|----------------------|-------------------------------------|
| <b>Construction</b>  |                                     |
| OPT50                | <input type="checkbox"/>            |
| OPT325 for OPT50     | <input type="checkbox"/>            |
| OPT49                | <input type="checkbox"/>            |
| OPT325 for OPT49     | <input type="checkbox"/>            |
| Service Area         | <input type="checkbox"/>            |
| Option293            | <input type="checkbox"/>            |
| Option23a            | <input checked="" type="checkbox"/> |
| Option23             | <input type="checkbox"/>            |
| OPT116-600BP         | <input type="checkbox"/>            |
| OPT116-600HP         | <input type="checkbox"/>            |
| 15LS/15L             | <input type="checkbox"/>            |
| <b>Identity Data</b> |                                     |
|                      |                                     |
|                      |                                     |
|                      |                                     |

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## Option 116A

### Low Pressure Double Pump STD Unit + Pump(BP)

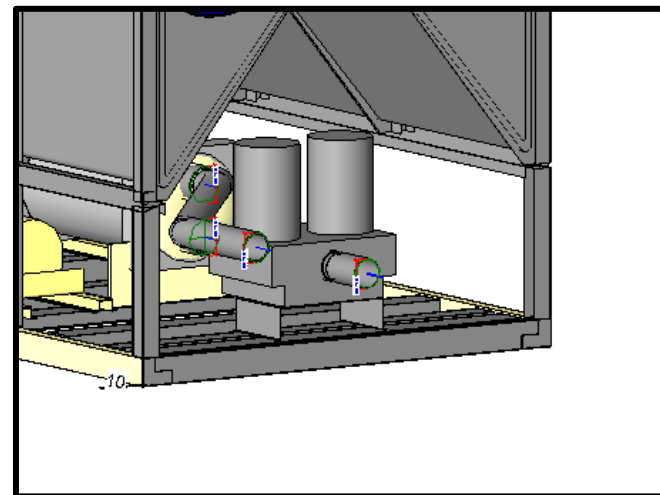
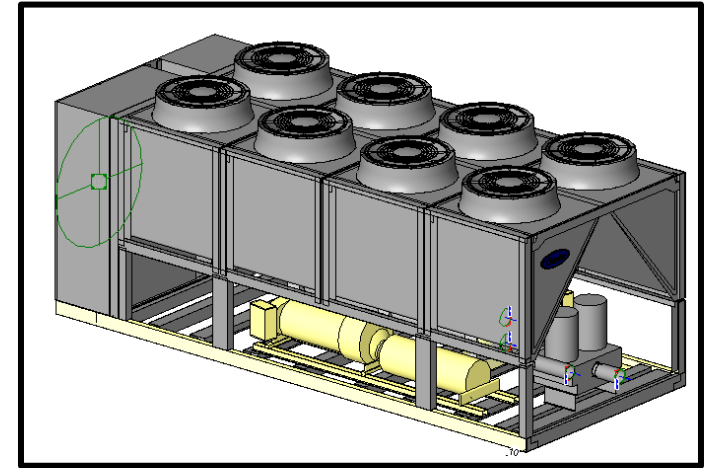
Family Types

Type name: Option116A

Search parameters

| Parameter            | Value                               |
|----------------------|-------------------------------------|
| <b>Construction</b>  |                                     |
| OPT50                | <input type="checkbox"/>            |
| OPT325 for OPT50     | <input type="checkbox"/>            |
| OPT49                | <input type="checkbox"/>            |
| OPT325 for OPT49     | <input type="checkbox"/>            |
| Service Area         | <input type="checkbox"/>            |
| Option293            | <input type="checkbox"/>            |
| Option23a            | <input type="checkbox"/>            |
| Option23             | <input type="checkbox"/>            |
| OPT116-600BP         | <input checked="" type="checkbox"/> |
| OPT116-600HP         | <input type="checkbox"/>            |
| 15LS/15L             | <input type="checkbox"/>            |
| <b>Identity Data</b> |                                     |

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### Total Heat Recovery

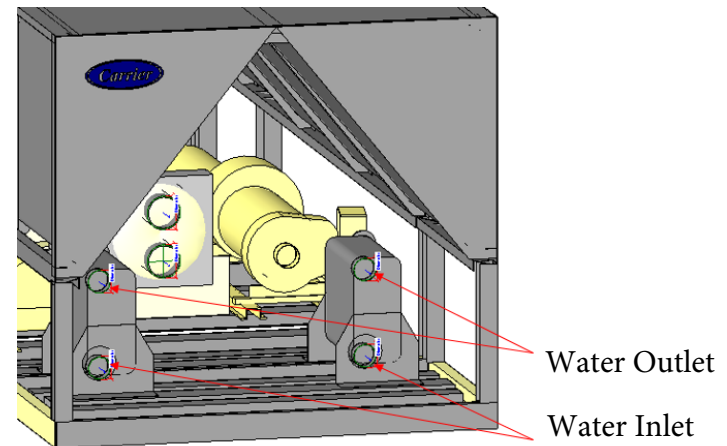
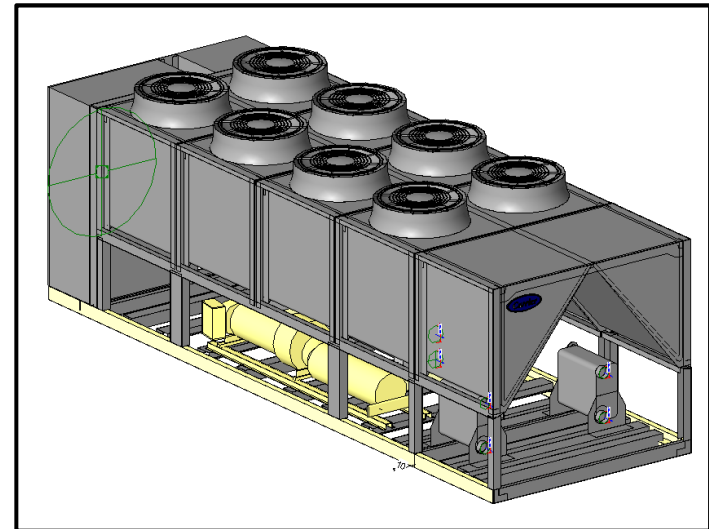
Family Types

Type name: OPT50

Search parameters

| Parameter            | Value                               |
|----------------------|-------------------------------------|
| <b>Construction</b>  |                                     |
| OPT50                | <input checked="" type="checkbox"/> |
| OPT325 for OPT50     | <input type="checkbox"/>            |
| OPT49                | <input type="checkbox"/>            |
| OPT325 for OPT49     | <input type="checkbox"/>            |
| Service Area         | <input type="checkbox"/>            |
| Option293            | <input type="checkbox"/>            |
| Option23a            | <input type="checkbox"/>            |
| Option23             | <input type="checkbox"/>            |
| OPT116-600BP         | <input type="checkbox"/>            |
| OPT116-600HP         | <input type="checkbox"/>            |
| 15LS/15L             | <input type="checkbox"/>            |
| <b>Identity Data</b> |                                     |
|                      |                                     |

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## Option 49

### Partial Heat Recovery

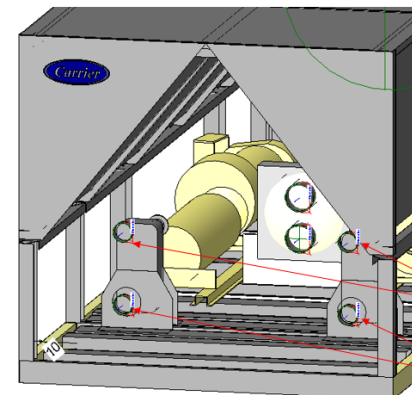
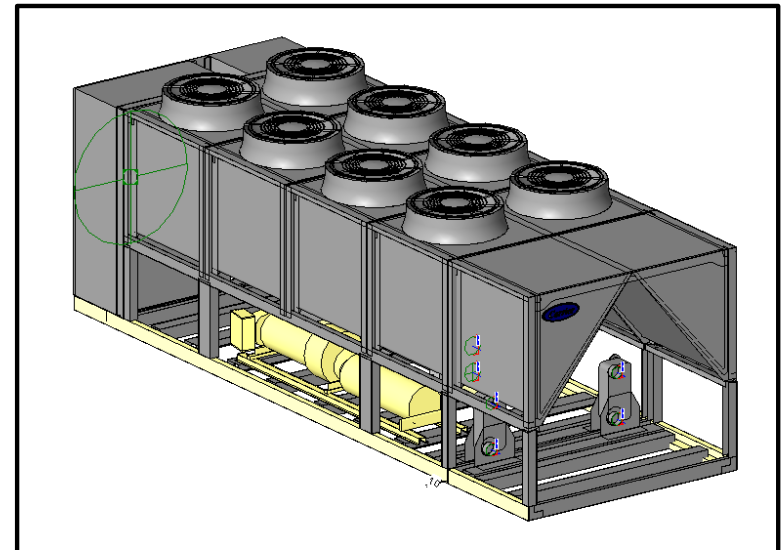
Family Types

Type name: OPT49

Search parameters

| Parameter            | Value                               |
|----------------------|-------------------------------------|
| <b>Construction</b>  |                                     |
| OPT50                | <input type="checkbox"/>            |
| OPT325 for OPT50     | <input type="checkbox"/>            |
| OPT49                | <input checked="" type="checkbox"/> |
| OPT325 for OPT49     | <input type="checkbox"/>            |
| Service Area         | <input type="checkbox"/>            |
| Option293            | <input type="checkbox"/>            |
| Option23a            | <input type="checkbox"/>            |
| Option23             | <input type="checkbox"/>            |
| OPT116-600BP         | <input type="checkbox"/>            |
| OPT116-600HP         | <input type="checkbox"/>            |
| 15LS/15L             | <input type="checkbox"/>            |
| <b>Identity Data</b> |                                     |
|                      |                                     |

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Water Outlet

Water Inlet

## Option 266

### Cooler hydraulic connection

Family Types

Type name: OPT266

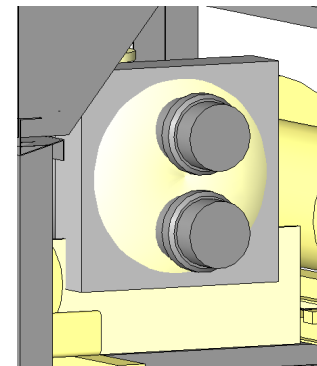
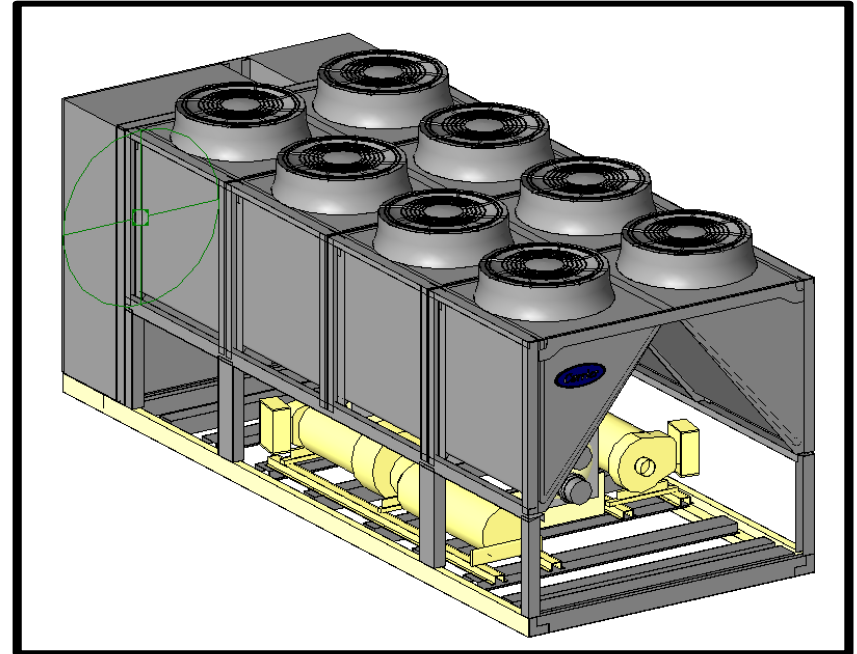
Search parameters

| Parameter                    | Value                               |
|------------------------------|-------------------------------------|
| <b>Construction</b>          |                                     |
| ATEX Zone                    | <input type="checkbox"/>            |
| ATEX Zone + Heat Recovery    | <input type="checkbox"/>            |
| OPT266                       | <input checked="" type="checkbox"/> |
| OPT266_116_HYDKIT_BP         | <input type="checkbox"/>            |
| OPT266_116_HYDKIT_HP         | <input type="checkbox"/>            |
| OPT49+OPT325_OPT266          | <input type="checkbox"/>            |
| OPT50+OPT325_OPT266          | <input type="checkbox"/>            |
| OPT49+OPT325_OPT267          | <input type="checkbox"/>            |
| OPT50+OPT325_OPT267          | <input type="checkbox"/>            |
| OPT49_OPT267                 | <input type="checkbox"/>            |
| OPT50_OPT267                 | <input type="checkbox"/>            |
| OPT50                        | <input type="checkbox"/>            |
| OPT325 for OPT50             | <input type="checkbox"/>            |
| OPT49                        | <input type="checkbox"/>            |
| OPT325 for OPT49             | <input type="checkbox"/>            |
| Service Area                 | <input type="checkbox"/>            |
| Option293                    | <input type="checkbox"/>            |
| Option23a                    | <input type="checkbox"/>            |
| Option23                     | <input type="checkbox"/>            |
| OPT116-BP                    | <input type="checkbox"/>            |
| OPT116-HP                    | <input type="checkbox"/>            |
| 15LS/15L                     | <input type="checkbox"/>            |
| Service Area + Heat Recovery | <input type="checkbox"/>            |

<

[How do I manage family types?](#) OK



# Service Area

**Service Area** - Standard Unit / HYD Kit / Heat Recovery

**STD\_Unit / HYD Kit**

Family Types

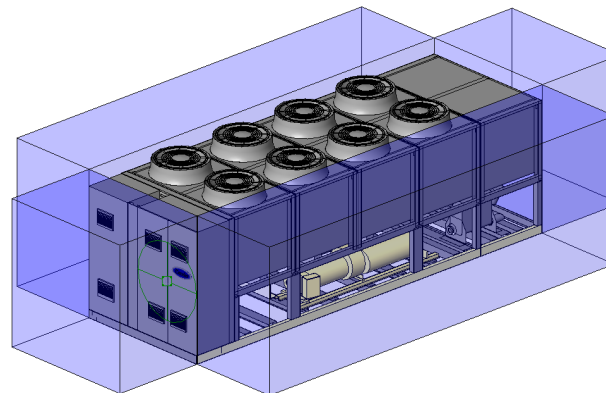
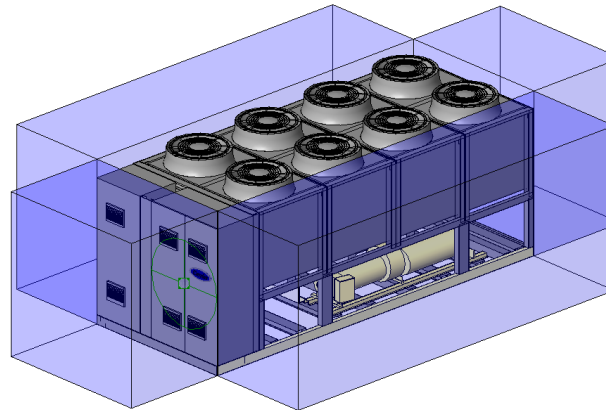
Type name: Service Area + Heat Recovery

Search parameters

| Parameter                    | Value                               |
|------------------------------|-------------------------------------|
| <b>Construction</b>          |                                     |
| ATEX Zone                    | <input type="checkbox"/>            |
| ATEX Zone + Heat Recovery    | <input type="checkbox"/>            |
| OPT266                       | <input type="checkbox"/>            |
| OPT266_116_HYDKIT_BP         | <input type="checkbox"/>            |
| OPT266_116_HYDKIT_HP         | <input type="checkbox"/>            |
| OPT49+OPT325_OPT266          | <input type="checkbox"/>            |
| OPT50+OPT325_OPT266          | <input type="checkbox"/>            |
| OPT49+OPT325_OPT267          | <input type="checkbox"/>            |
| OPT50+OPT325_OPT267          | <input type="checkbox"/>            |
| OPT49_OPT267                 | <input type="checkbox"/>            |
| OPT50_OPT267                 | <input type="checkbox"/>            |
| OPT50                        | <input checked="" type="checkbox"/> |
| OPT325 for OPT50             | <input checked="" type="checkbox"/> |
| OPT49                        | <input type="checkbox"/>            |
| OPT325 for OPT49             | <input type="checkbox"/>            |
| Service Area                 | <input type="checkbox"/>            |
| Option293                    | <input type="checkbox"/>            |
| Option23a                    | <input type="checkbox"/>            |
| Option23                     | <input type="checkbox"/>            |
| OPT116-BP                    | <input type="checkbox"/>            |
| OPT116-HP                    | <input type="checkbox"/>            |
| 15LS/15L                     | <input type="checkbox"/>            |
| Service Area + Heat Recovery | <input checked="" type="checkbox"/> |

How do I manage family types?

OK



**Heat Recovery**

Family Types

Type name: Service Area

Search parameters

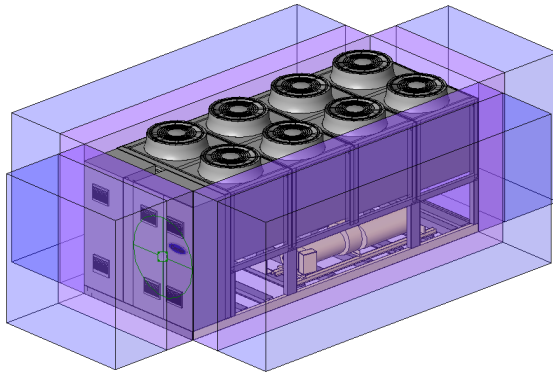
| Parameter                    | Value                               |
|------------------------------|-------------------------------------|
| <b>Construction</b>          |                                     |
| ATEX Zone                    | <input type="checkbox"/>            |
| ATEX Zone + Heat Recovery    | <input type="checkbox"/>            |
| OPT266                       | <input type="checkbox"/>            |
| OPT266_116_HYDKIT_BP         | <input type="checkbox"/>            |
| OPT266_116_HYDKIT_HP         | <input type="checkbox"/>            |
| OPT49+OPT325_OPT266          | <input type="checkbox"/>            |
| OPT50+OPT325_OPT266          | <input type="checkbox"/>            |
| OPT49+OPT325_OPT267          | <input type="checkbox"/>            |
| OPT50+OPT325_OPT267          | <input type="checkbox"/>            |
| OPT49_OPT267                 | <input type="checkbox"/>            |
| OPT50_OPT267                 | <input type="checkbox"/>            |
| OPT50                        | <input type="checkbox"/>            |
| OPT325 for OPT50             | <input type="checkbox"/>            |
| OPT49                        | <input type="checkbox"/>            |
| OPT325 for OPT49             | <input type="checkbox"/>            |
| Service Area                 | <input checked="" type="checkbox"/> |
| Option293                    | <input type="checkbox"/>            |
| Option23a                    | <input type="checkbox"/>            |
| Option23                     | <input type="checkbox"/>            |
| OPT116-BP                    | <input type="checkbox"/>            |
| OPT116-HP                    | <input type="checkbox"/>            |
| 15LS/15L                     | <input type="checkbox"/>            |
| Service Area + Heat Recovery | <input type="checkbox"/>            |

How do I manage family types?

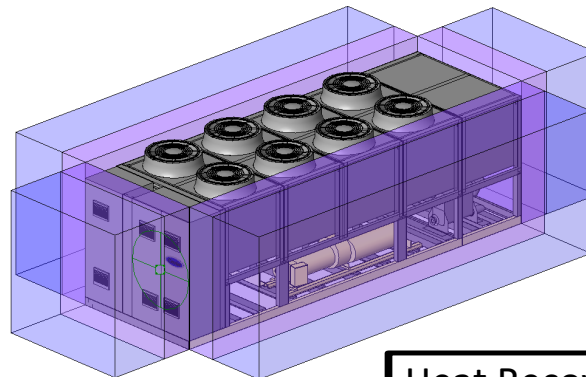
OK

# Service Area & ATEX Zone - ZE Units

## Service Area & ATEX Zone - Standard Unit / HYD Kit / Heat Recovery



**STD\_Unit / HYD Kit**



**Heat Recovery**

Family Types

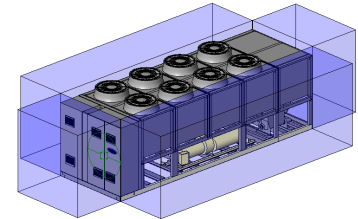
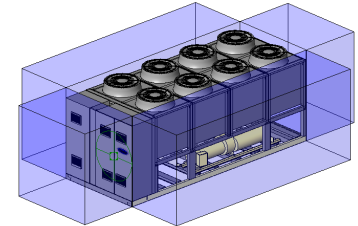
Type name: Service Area + ATEX Zone - Only ZE Units

Search parameters

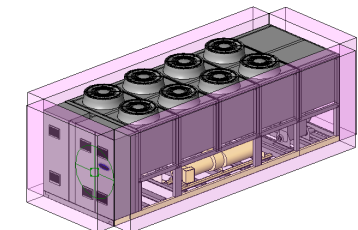
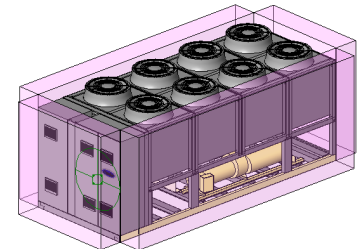
| Parameter                    | Value                               |
|------------------------------|-------------------------------------|
| <b>Construction</b>          |                                     |
| ATEX Zone                    | <input checked="" type="checkbox"/> |
| ATEX Zone + Heat Recovery    | <input type="checkbox"/>            |
| OPT266                       | <input type="checkbox"/>            |
| OPT266_116_HYDKIT_BP         | <input type="checkbox"/>            |
| OPT266_116_HYDKIT_HP         | <input type="checkbox"/>            |
| OPT49+OPT325_OPT266          | <input type="checkbox"/>            |
| OPT50+OPT325_OPT266          | <input type="checkbox"/>            |
| OPT49+OPT325_OPT267          | <input type="checkbox"/>            |
| OPT50+OPT325_OPT267          | <input type="checkbox"/>            |
| OPT49_OPT267                 | <input type="checkbox"/>            |
| OPT50_OPT267                 | <input type="checkbox"/>            |
| OPT50                        | <input type="checkbox"/>            |
| OPT325 for OPT50             | <input type="checkbox"/>            |
| OPT49                        | <input type="checkbox"/>            |
| OPT325 for OPT49             | <input type="checkbox"/>            |
| Service Area                 | <input checked="" type="checkbox"/> |
| Option293                    | <input type="checkbox"/>            |
| Option23a                    | <input type="checkbox"/>            |
| Option23                     | <input type="checkbox"/>            |
| OPT116-BP                    | <input type="checkbox"/>            |
| OPT116-HP                    | <input type="checkbox"/>            |
| 15LS/15L                     | <input type="checkbox"/>            |
| Service Area + Heat Recovery | <input type="checkbox"/>            |

How do I manage family types? OK

Service area



ATEX Zone



Family Types

Type name: Service Area + ATEX Zone + Heat Recovery - Only ZE Uni

Search parameters

| Parameter                    | Value                               |
|------------------------------|-------------------------------------|
| <b>Construction</b>          |                                     |
| ATEX Zone                    | <input type="checkbox"/>            |
| ATEX Zone + Heat Recovery    | <input checked="" type="checkbox"/> |
| OPT266                       | <input type="checkbox"/>            |
| OPT266_116_HYDKIT_BP         | <input type="checkbox"/>            |
| OPT266_116_HYDKIT_HP         | <input type="checkbox"/>            |
| OPT49+OPT325_OPT266          | <input type="checkbox"/>            |
| OPT50+OPT325_OPT266          | <input type="checkbox"/>            |
| OPT49+OPT325_OPT267          | <input type="checkbox"/>            |
| OPT50+OPT325_OPT267          | <input type="checkbox"/>            |
| OPT49_OPT267                 | <input type="checkbox"/>            |
| OPT50_OPT267                 | <input type="checkbox"/>            |
| OPT50                        | <input checked="" type="checkbox"/> |
| OPT325 for OPT50             | <input checked="" type="checkbox"/> |
| OPT49                        | <input type="checkbox"/>            |
| OPT325 for OPT49             | <input type="checkbox"/>            |
| Service Area                 | <input type="checkbox"/>            |
| Option293                    | <input type="checkbox"/>            |
| Option23a                    | <input type="checkbox"/>            |
| Option23                     | <input type="checkbox"/>            |
| OPT116-BP                    | <input type="checkbox"/>            |
| OPT116-HP                    | <input type="checkbox"/>            |
| 15LS/15L                     | <input type="checkbox"/>            |
| Service Area + Heat Recovery | <input checked="" type="checkbox"/> |

How do I manage family types? OK

## Dual Combo Units

### 30KAV/30KAVZE REVIT DATABASE

| <u>30KAV / 30KAVZE RANGE</u> | <u>Options Combinations</u> |                     |                     |                  |                   |                  |                |                |                  |
|------------------------------|-----------------------------|---------------------|---------------------|------------------|-------------------|------------------|----------------|----------------|------------------|
|                              | Opt 15L/LS + OPT 23         | Opt 15L/LS + OPT23a | Opt 15L/LS + OPT116 | OPT 23 + OPT 116 | OPT 23a + OPT 116 | Opt 116+ Opt 293 | Opt50 + Opt325 | Opt49 + Opt325 | Opt 116+ Opt 266 |
| 30KAV0600 / 30KAVZE0450      | x                           | x                   | x                   | x                | x                 | x                | x              | x              | x                |

| SL NO | Revit Option         | Description                                  |
|-------|----------------------|----------------------------------------------|
| 1     | Opt 15L/LS + OPT 23  | Comp Enclosure+ Grill/panel                  |
| 2     | Opt 15L/LS + OPT 23a | Comp Enclosure+ panel                        |
| 3     | Opt 15L/LS + OPT116A | Comp Enclosure + Hydro Kit (BP)              |
| 4     | Opt 15L/LS + OPT116W | Comp Enclosure + Hydro Kit (HP)              |
| 5     | OPT 23 + OPT 116A    | Grill/Panel + Hydro Kit (BP)                 |
| 6     | OPT 23 + OPT 116W    | Grill/Panel + Hydro Kit (HP)                 |
| 7     | OPT 23a + OPT 116A   | Panel + Hydro Kit (BP)                       |
| 8     | OPT 23a + OPT 116W   | Panel + Hydro Kit (HP)                       |
| 9     | Opt 116A+ Opt 293    | expansion tank+Hydro Kit (BP)                |
| 10    | Opt 116W+ Opt 293    | expansion tank+Hydro Kit (HP)                |
| 11    | Opt 50 + Opt 325     | Total Heat Recovery + Water Pipe             |
| 12    | Opt 49 + Opt 325     | Partial Heat Recovery + Water Pipe           |
| 13    | Opt 116A + Opt 266   | Hydro Kit (BP) + Cooler hydraulic connection |
| 14    | Opt 116W + Opt 266   | Hydro Kit (HP) + Cooler hydraulic connection |

## Option 15/15LS+Option23

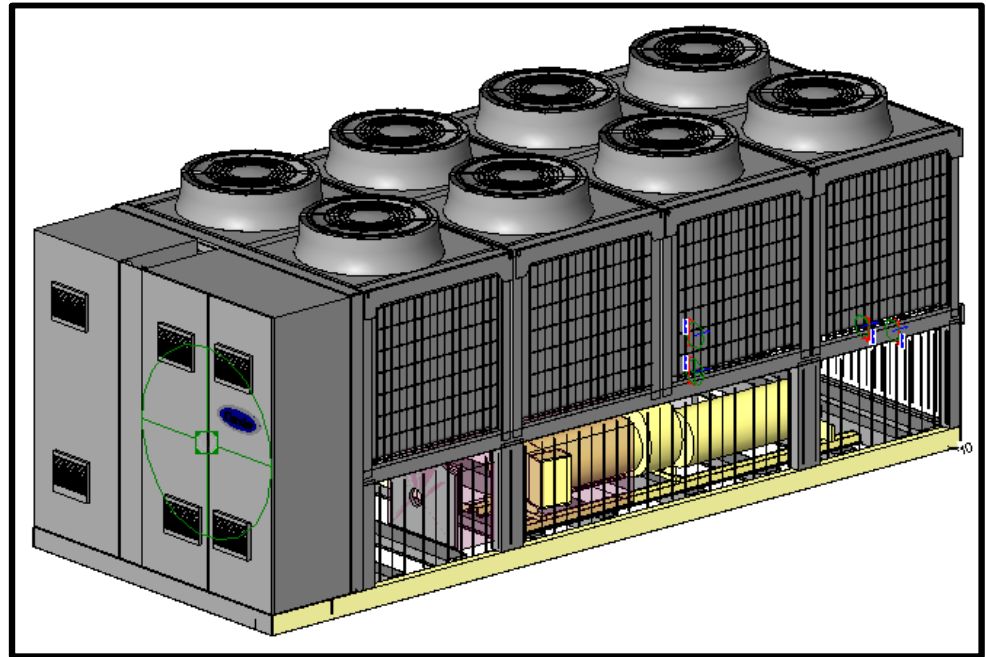
Family Types

Type name: Opt 15L/LS + OPT 23

Search parameters

| Parameter            | Value                                 |
|----------------------|---------------------------------------|
| <b>Construction</b>  |                                       |
| OPT50                | <input type="checkbox"/> =            |
| OPT325 for OPT50     | <input type="checkbox"/> =            |
| OPT49                | <input type="checkbox"/> =            |
| OPT325 for OPT49     | <input type="checkbox"/> =            |
| Service Area         | <input type="checkbox"/> =            |
| Option293            | <input type="checkbox"/> =            |
| Option23a            | <input type="checkbox"/> =            |
| Option23             | <input checked="" type="checkbox"/> = |
| OPT116-600BP         | <input type="checkbox"/> =            |
| OPT116-600HP         | <input type="checkbox"/> =            |
| 15LS/15L             | <input checked="" type="checkbox"/> = |
| <b>Identity Data</b> |                                       |
|                      |                                       |
|                      |                                       |
|                      |                                       |

How do I manage family types?

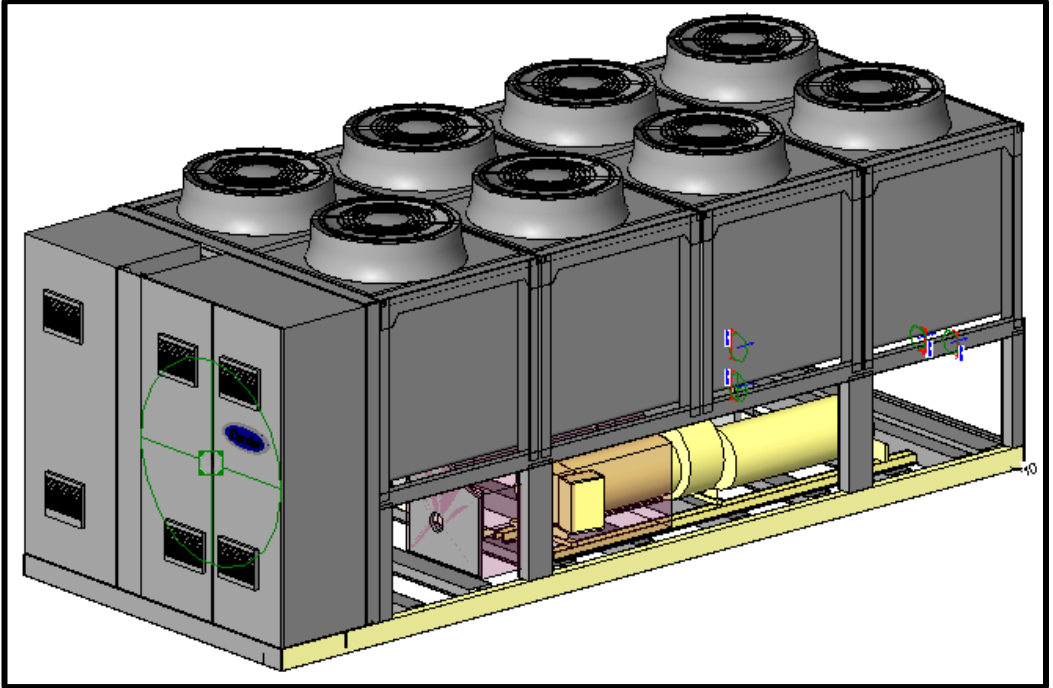


**Option 15/15LS+Option23a**

### Family Types

Type name:

| Parameter            | Value                                                  |
|----------------------|--------------------------------------------------------|
| <b>Construction</b>  |                                                        |
| OPT50                | <input type="checkbox"/> <input type="text" value=""/> |
| OPT325 for OPT50     | <input type="checkbox"/> =                             |
| OPT49                | <input type="checkbox"/> =                             |
| OPT325 for OPT49     | <input type="checkbox"/> =                             |
| Service Area         | <input type="checkbox"/> =                             |
| Option293            | <input type="checkbox"/> =                             |
| Option23a            | <input checked="" type="checkbox"/> =                  |
| Option23             | <input type="checkbox"/> =                             |
| OPT116-600BP         | <input type="checkbox"/> =                             |
| OPT116-600HP         | <input type="checkbox"/> =                             |
| 15LS/15L             | <input checked="" type="checkbox"/> =                  |
| <b>Identity Data</b> |                                                        |
|                      |                                                        |



## Option 116A+Option15/15LS

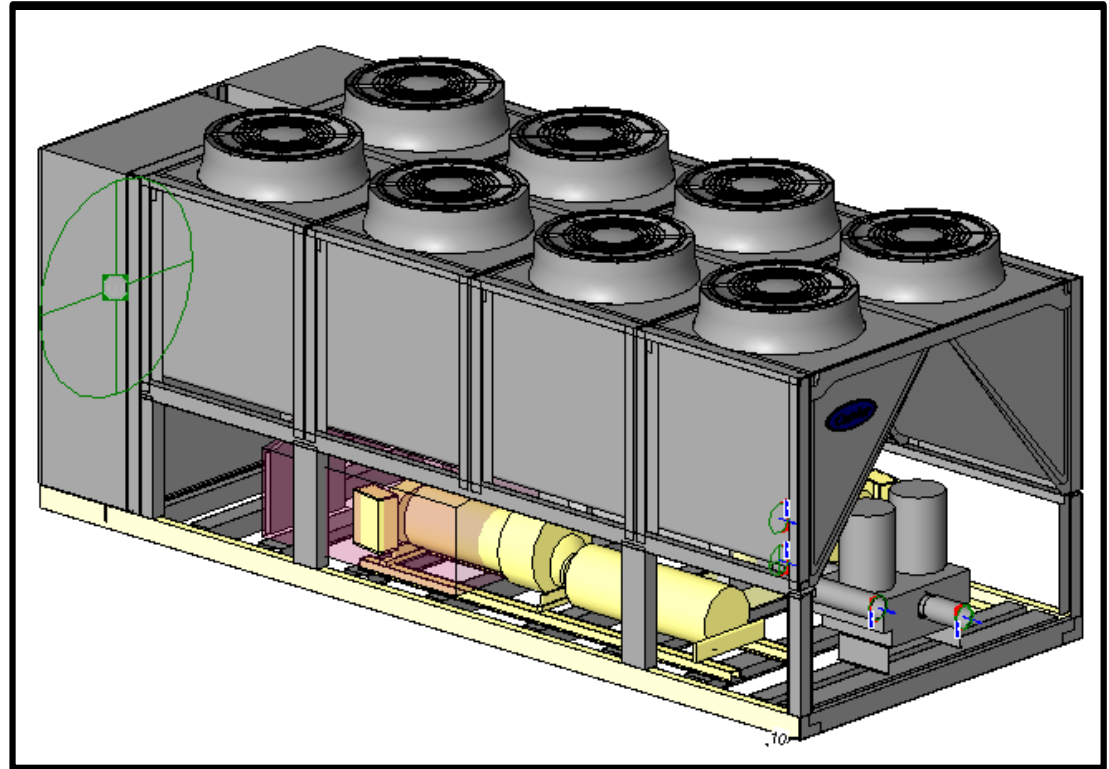
Family Types

Type name: Opt 15L/LS + OPT116A

Search parameters

| Parameter            | Value                               |
|----------------------|-------------------------------------|
| <b>Construction</b>  |                                     |
| OPT50                | <input type="checkbox"/>            |
| OPT325 for OPT50     | <input type="checkbox"/>            |
| OPT49                | <input type="checkbox"/>            |
| OPT325 for OPT49     | <input type="checkbox"/>            |
| Service Area         | <input type="checkbox"/>            |
| Option293            | <input type="checkbox"/>            |
| Option23a            | <input type="checkbox"/>            |
| Option23             | <input type="checkbox"/>            |
| OPT116-600BP         | <input checked="" type="checkbox"/> |
| OPT116-600HP         | <input type="checkbox"/>            |
| 15LS/15L             | <input checked="" type="checkbox"/> |
| <b>Identity Data</b> |                                     |
|                      |                                     |

How do I manage family types?



## Option 116W+Option15/15LS

Family Types

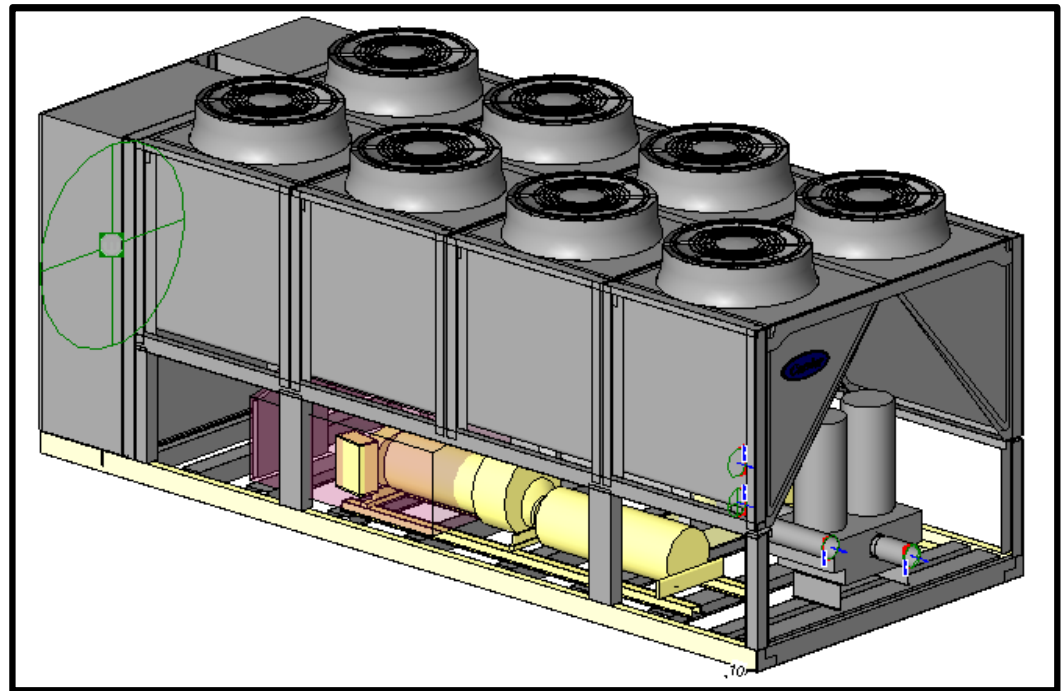
Type name: Opt 15L/LS + OPT116W

Search parameters

| Parameter            | Value                               |   |
|----------------------|-------------------------------------|---|
| <b>Construction</b>  |                                     |   |
| OPT50                | <input type="checkbox"/>            | = |
| OPT325 for OPT50     | <input type="checkbox"/>            | = |
| OPT49                | <input type="checkbox"/>            | = |
| OPT325 for OPT49     | <input type="checkbox"/>            | = |
| Service Area         | <input type="checkbox"/>            | = |
| Option293            | <input type="checkbox"/>            | = |
| Option23a            | <input type="checkbox"/>            | = |
| Option23             | <input type="checkbox"/>            | = |
| OPT116-600BP         | <input type="checkbox"/>            | = |
| OPT116-600HP         | <input checked="" type="checkbox"/> | = |
| 15LS/15L             | <input checked="" type="checkbox"/> | = |
| <b>Identity Data</b> |                                     |   |
|                      |                                     |   |
|                      |                                     |   |
|                      |                                     |   |

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## Option 116A+Option23

Family Types

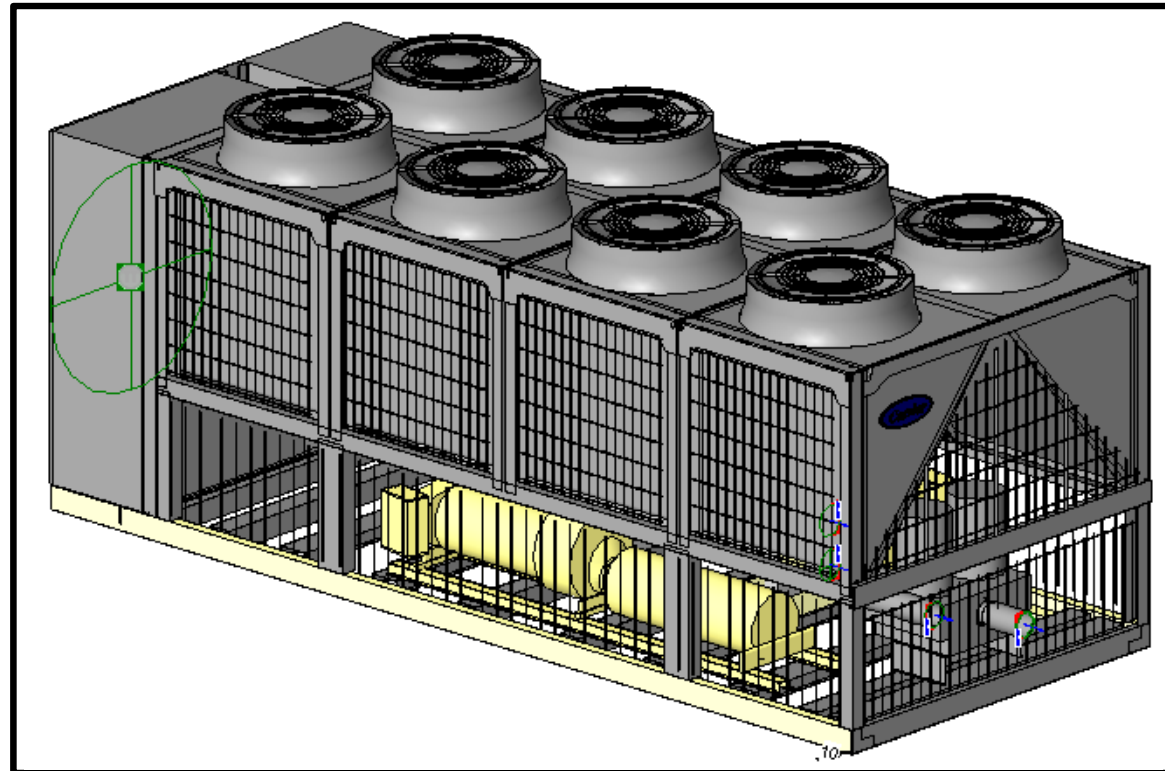
Type name: OPT 23+ OPT 116A

Search parameters

| Parameter            | Value                               |
|----------------------|-------------------------------------|
| <b>Construction</b>  |                                     |
| OPT50                | <input type="checkbox"/>            |
| OPT325 for OPT50     | <input type="checkbox"/>            |
| OPT49                | <input type="checkbox"/>            |
| OPT325 for OPT49     | <input type="checkbox"/>            |
| Service Area         | <input type="checkbox"/>            |
| Option293            | <input type="checkbox"/>            |
| Option23a            | <input type="checkbox"/>            |
| Option23             | <input checked="" type="checkbox"/> |
| OPT116-600BP         | <input checked="" type="checkbox"/> |
| OPT116-600HP         | <input type="checkbox"/>            |
| 15LS/15L             | <input type="checkbox"/>            |
| <b>Identity Data</b> |                                     |
|                      |                                     |

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**Option 116A+Option23a**

**Family Types**

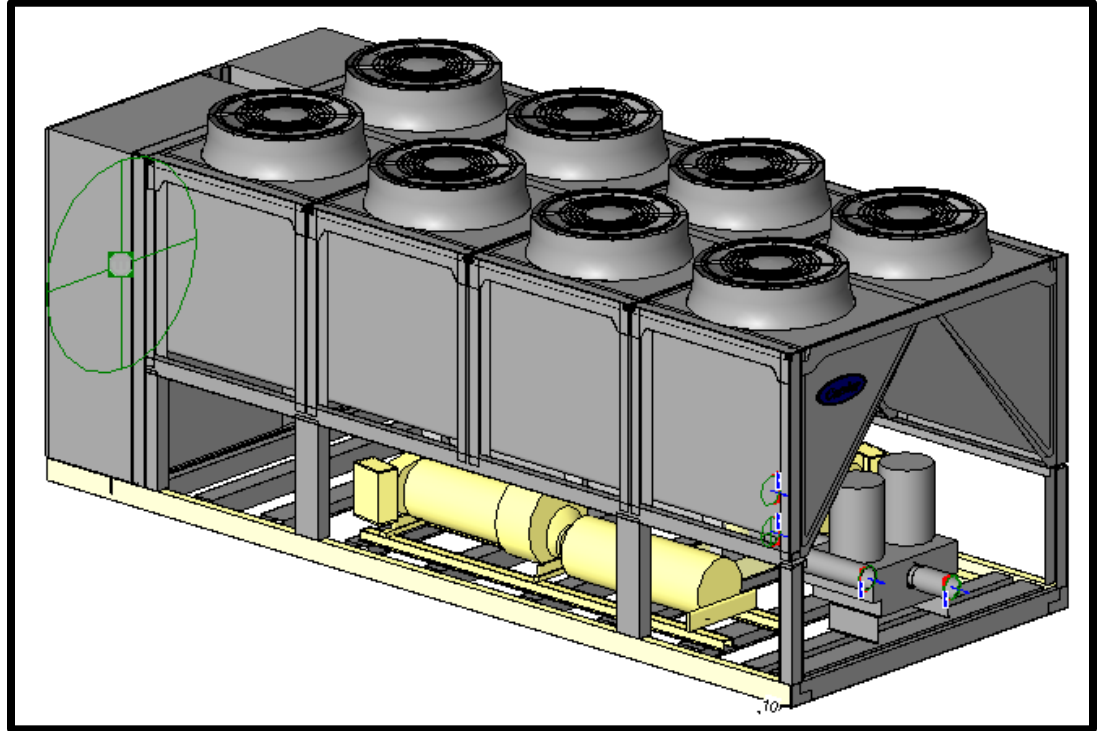
Type name: OPT 23a + OPT 116A

Search parameters

| Parameter            | Value                               |   |
|----------------------|-------------------------------------|---|
| <b>Construction</b>  |                                     |   |
| OPT50                | <input type="checkbox"/>            | = |
| OPT325 for OPT50     | <input type="checkbox"/>            | = |
| OPT49                | <input type="checkbox"/>            | = |
| OPT325 for OPT49     | <input type="checkbox"/>            | = |
| Service Area         | <input type="checkbox"/>            | = |
| Option293            | <input type="checkbox"/>            | = |
| Option23a            | <input checked="" type="checkbox"/> | = |
| Option23             | <input type="checkbox"/>            | = |
| OPT116-600BP         | <input checked="" type="checkbox"/> | = |
| OPT116-600HP         | <input type="checkbox"/>            | = |
| 15LS/15L             | <input type="checkbox"/>            | = |
| <b>Identity Data</b> |                                     |   |
|                      |                                     |   |
|                      |                                     |   |
|                      |                                     |   |
|                      |                                     |   |

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## Option 116W+Option23

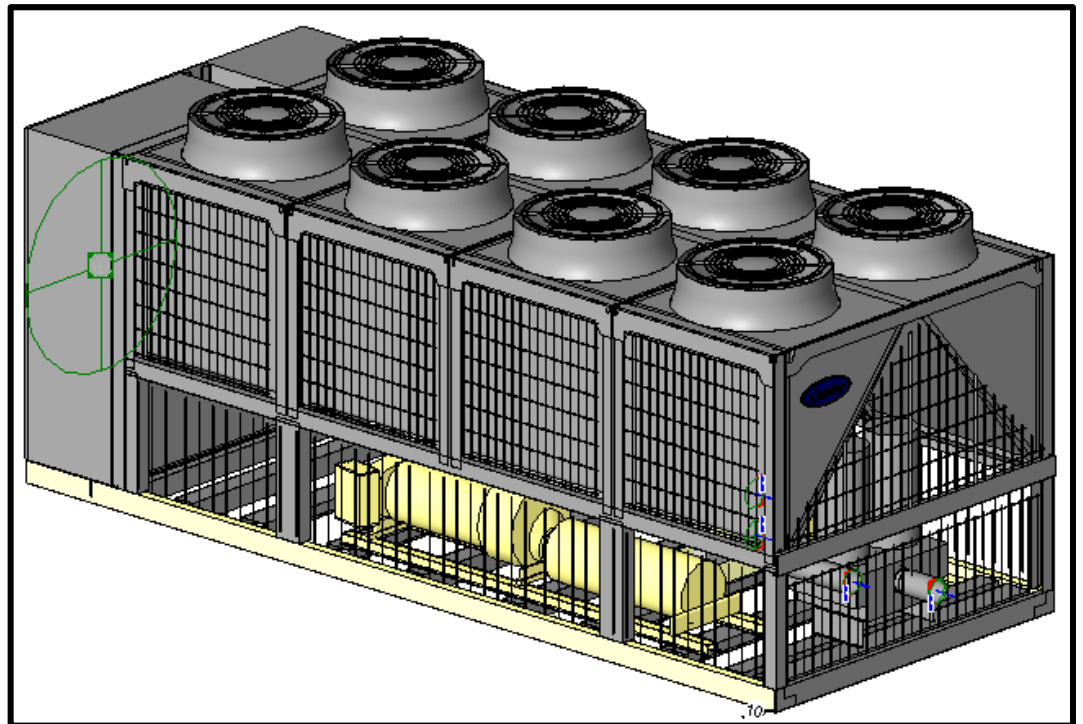
Family Types

Type name: OPT 23+ OPT 116W

Search parameters

| Parameter            | Value                               |
|----------------------|-------------------------------------|
| <b>Construction</b>  |                                     |
| OPT50                | <input type="checkbox"/>            |
| OPT325 for OPT50     | <input type="checkbox"/>            |
| OPT49                | <input type="checkbox"/>            |
| OPT325 for OPT49     | <input type="checkbox"/>            |
| Service Area         | <input type="checkbox"/>            |
| Option293            | <input type="checkbox"/>            |
| Option23a            | <input type="checkbox"/>            |
| Option23             | <input checked="" type="checkbox"/> |
| OPT116-600BP         | <input type="checkbox"/>            |
| OPT116-600HP         | <input checked="" type="checkbox"/> |
| 15LS/15L             | <input type="checkbox"/>            |
| <b>Identity Data</b> |                                     |
|                      |                                     |
|                      |                                     |
|                      |                                     |

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## Option 116W+Option23a

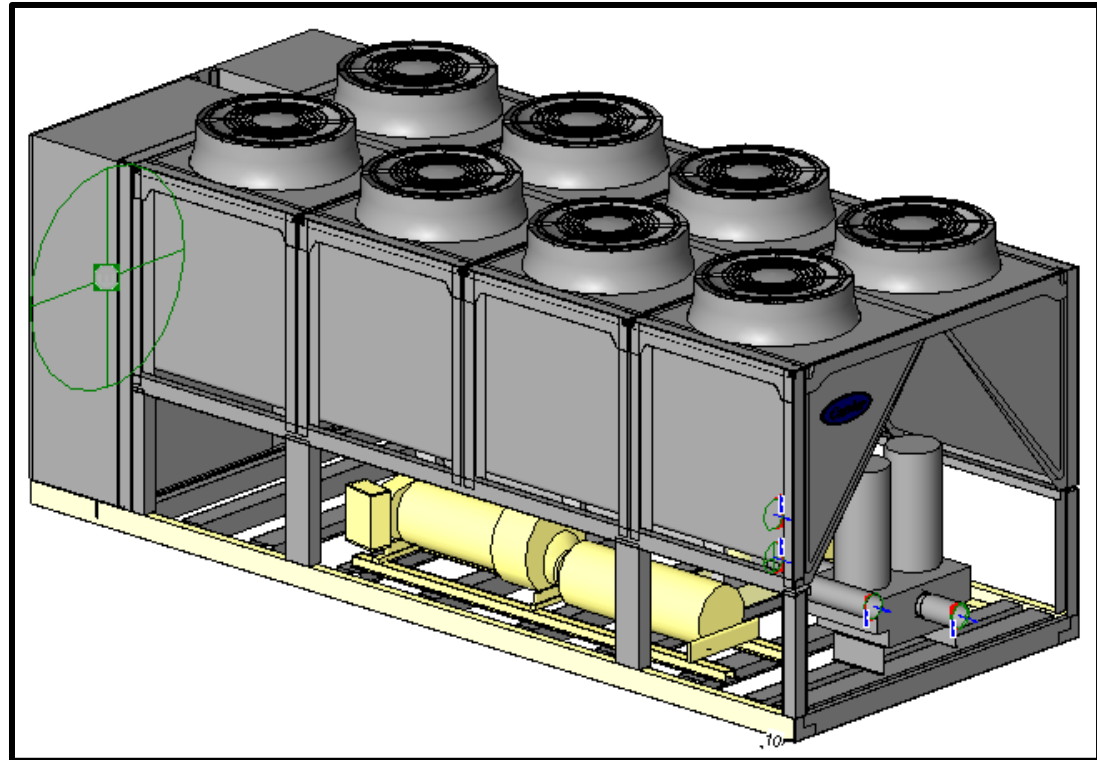
Family Types

Type name: OPT 23a+ OPT 116W

Search parameters

| Parameter            | Value                                 |
|----------------------|---------------------------------------|
| <b>Construction</b>  |                                       |
| OPT50                | <input type="checkbox"/> =            |
| OPT325 for OPT50     | <input type="checkbox"/> =            |
| OPT49                | <input type="checkbox"/> =            |
| OPT325 for OPT49     | <input type="checkbox"/> =            |
| Service Area         | <input type="checkbox"/> =            |
| Option293            | <input type="checkbox"/> =            |
| Option23a            | <input checked="" type="checkbox"/> = |
| Option23             | <input type="checkbox"/> =            |
| OPT116-600BP         | <input type="checkbox"/> =            |
| OPT116-600HP         | <input checked="" type="checkbox"/> = |
| 15LS/15L             | <input type="checkbox"/> =            |
| <b>Identity Data</b> |                                       |
|                      |                                       |

How do I manage family types?



## Option 116A+Option293

1) In this slide only 116A is shown. Same way 116W is also configured

Family Types

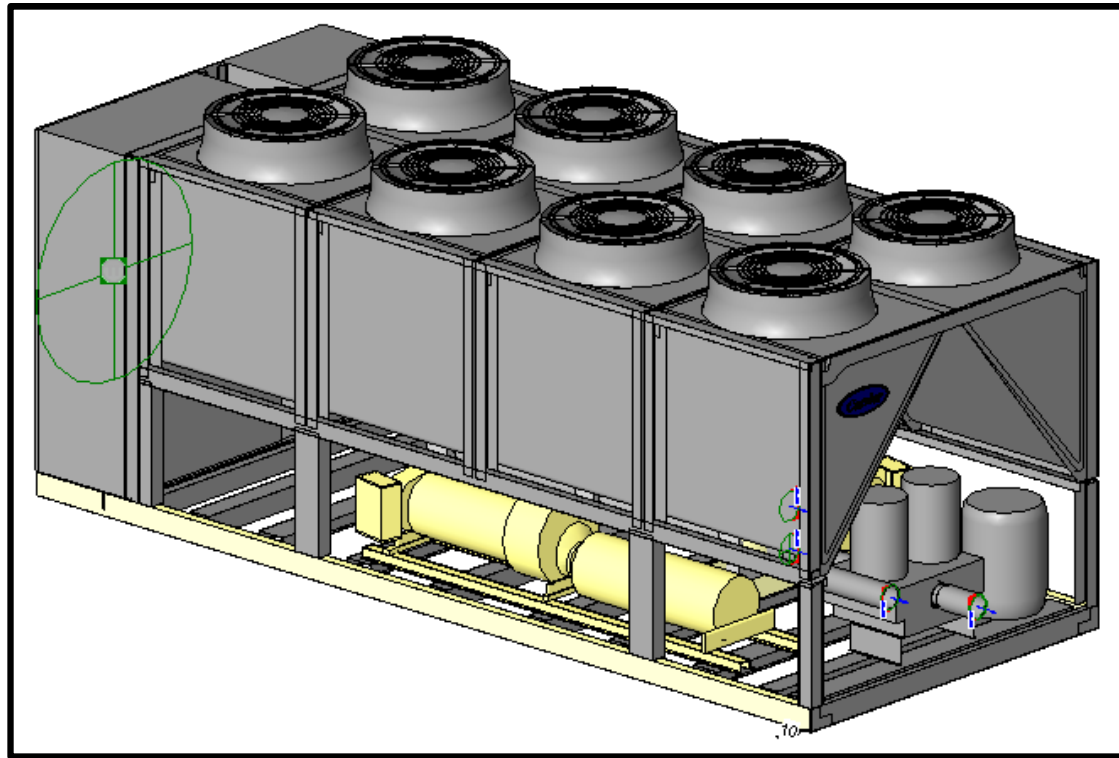
Type name: Opt 116A + Opt 293

Search parameters

| Parameter            | Value                               |
|----------------------|-------------------------------------|
| <b>Construction</b>  |                                     |
| OPT50                | <input type="checkbox"/>            |
| OPT325 for OPT50     | <input type="checkbox"/>            |
| OPT49                | <input type="checkbox"/>            |
| OPT325 for OPT49     | <input type="checkbox"/>            |
| Service Area         | <input type="checkbox"/>            |
| Option293            | <input checked="" type="checkbox"/> |
| Option23a            | <input type="checkbox"/>            |
| Option23             | <input type="checkbox"/>            |
| OPT116-600BP         | <input checked="" type="checkbox"/> |
| OPT116-600HP         | <input type="checkbox"/>            |
| 15LS/15L             | <input type="checkbox"/>            |
| <b>Identity Data</b> |                                     |
|                      |                                     |

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## Opt 50 + Opt 325

Family Types

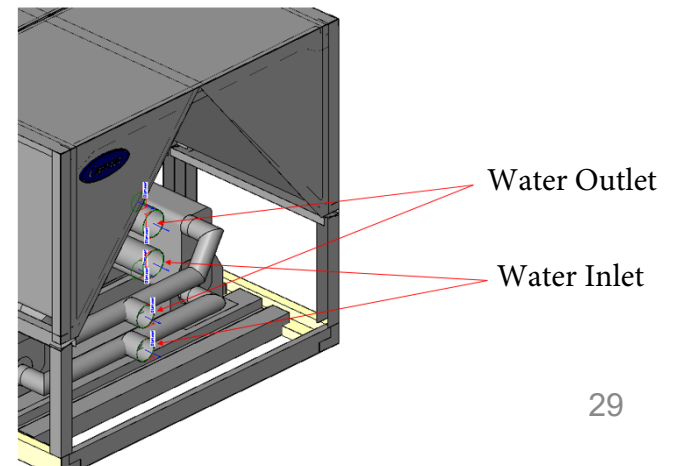
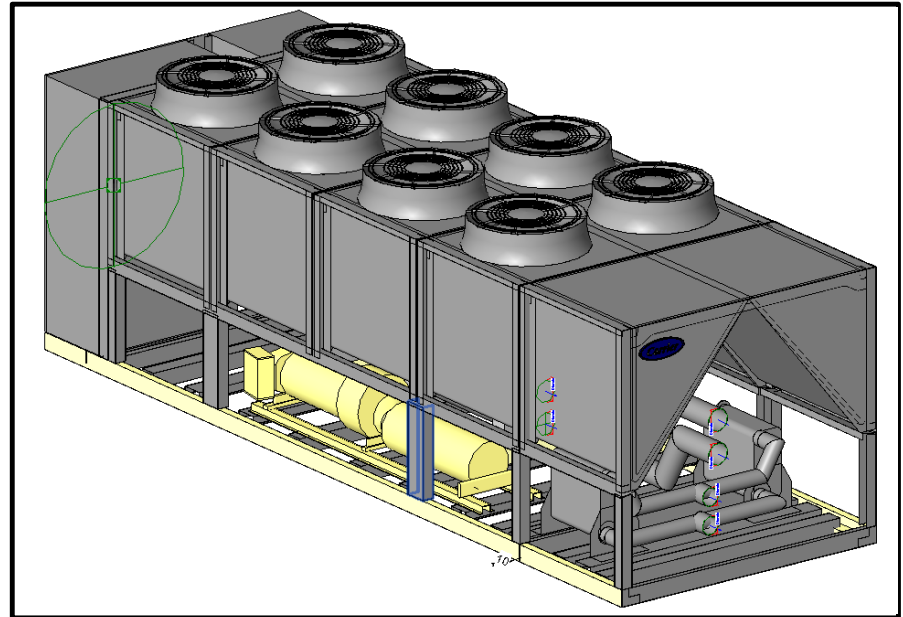
Type name: OPT50 + OPT325

Search parameters

| Parameter            | Value                               |
|----------------------|-------------------------------------|
| <b>Construction</b>  |                                     |
| OPT50                | <input checked="" type="checkbox"/> |
| OPT325 for OPT50     | <input checked="" type="checkbox"/> |
| OPT49                | <input type="checkbox"/>            |
| OPT325 for OPT49     | <input type="checkbox"/>            |
| Service Area         | <input type="checkbox"/>            |
| Option293            | <input type="checkbox"/>            |
| Option23a            | <input type="checkbox"/>            |
| Option23             | <input type="checkbox"/>            |
| OPT116-600BP         | <input type="checkbox"/>            |
| OPT116-600HP         | <input type="checkbox"/>            |
| 15LS/15L             | <input type="checkbox"/>            |
| <b>Identity Data</b> |                                     |
|                      |                                     |

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# Opt 49 + Opt 325

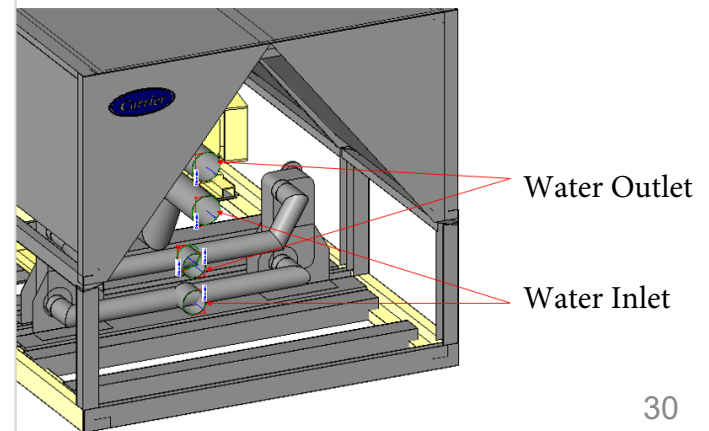
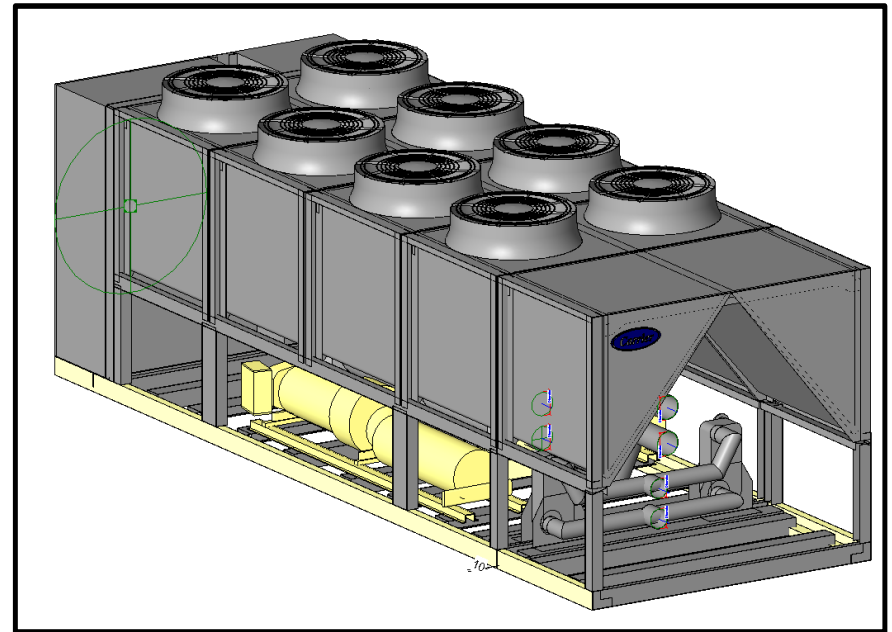
Family Types

Type name: OPT49 + OPT325

Search parameters

| Parameter            | Value                               |
|----------------------|-------------------------------------|
| <b>Construction</b>  |                                     |
| OPT50                | <input type="checkbox"/>            |
| OPT325 for OPT50     | <input type="checkbox"/>            |
| OPT49                | <input checked="" type="checkbox"/> |
| OPT325 for OPT49     | <input checked="" type="checkbox"/> |
| Service Area         | <input type="checkbox"/>            |
| Option293            | <input type="checkbox"/>            |
| Option23a            | <input type="checkbox"/>            |
| Option23             | <input type="checkbox"/>            |
| OPT116-600BP         | <input type="checkbox"/>            |
| OPT116-600HP         | <input type="checkbox"/>            |
| 15LS/15L             | <input type="checkbox"/>            |
| <b>Identity Data</b> |                                     |
|                      |                                     |

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## Option 116 + Option 266

1) In this slide only Opt116A is shown. Same way Opt116W is also configured.

Family Types

Type name: OPT116A + OPT266

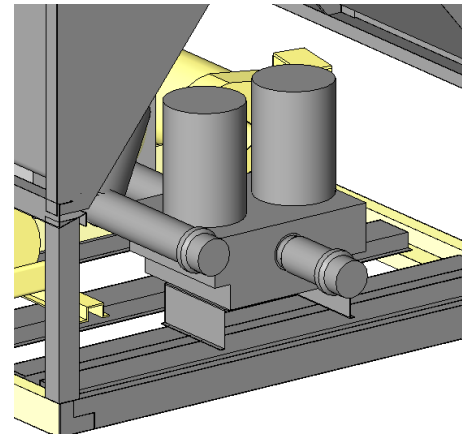
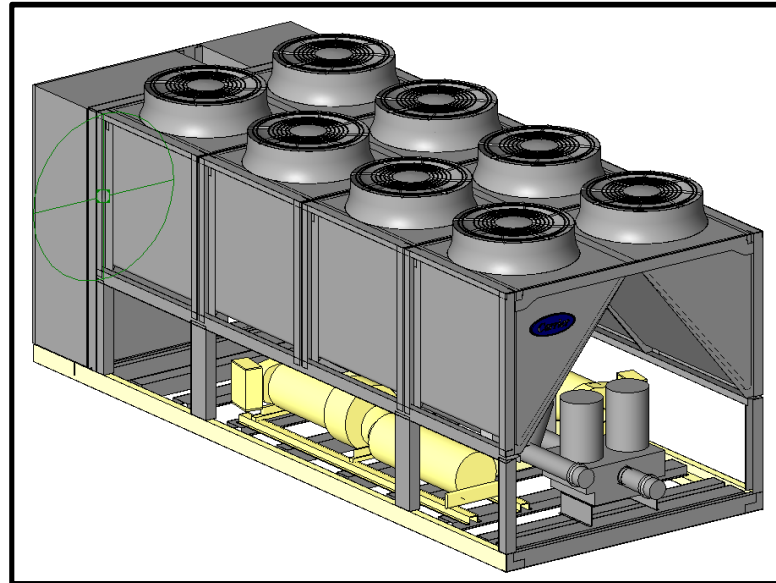
Search parameters

| Parameter                    | Value                               |
|------------------------------|-------------------------------------|
| <b>Construction</b>          |                                     |
| ATEX Zone                    | <input type="checkbox"/>            |
| ATEX Zone + Heat Recovery    | <input type="checkbox"/>            |
| OPT266                       | <input type="checkbox"/>            |
| OPT266_116_HYDKIT_BP         | <input checked="" type="checkbox"/> |
| OPT266_116_HYDKIT_HP         | <input type="checkbox"/>            |
| OPT49+OPT325_OPT266          | <input type="checkbox"/>            |
| OPT50+OPT325_OPT266          | <input type="checkbox"/>            |
| OPT49+OPT325_OPT267          | <input type="checkbox"/>            |
| OPT50+OPT325_OPT267          | <input type="checkbox"/>            |
| OPT49_OPT267                 | <input type="checkbox"/>            |
| OPT50_OPT267                 | <input type="checkbox"/>            |
| OPT50                        | <input type="checkbox"/>            |
| OPT325 for OPT50             | <input type="checkbox"/>            |
| OPT49                        | <input type="checkbox"/>            |
| OPT325 for OPT49             | <input type="checkbox"/>            |
| Service Area                 | <input type="checkbox"/>            |
| Option293                    | <input type="checkbox"/>            |
| Option23a                    | <input type="checkbox"/>            |
| Option23                     | <input type="checkbox"/>            |
| OPT116-BP                    | <input checked="" type="checkbox"/> |
| OPT116-HP                    | <input type="checkbox"/>            |
| 15LS/15L                     | <input type="checkbox"/>            |
| Service Area + Heat Recovery | <input type="checkbox"/>            |

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# Triple Combo Units

## 30KAV / 30KAVZE REVIT DATABASE

| 30KAV / 30KAVZE<br>RANGE   | Options Combinations      |                            |                            |                         |                          |                           |                           |
|----------------------------|---------------------------|----------------------------|----------------------------|-------------------------|--------------------------|---------------------------|---------------------------|
|                            | Opt 15L/LS + OPT23+Opt116 | Opt 15L/LS + OPT23a+Opt116 | Opt 15L/LS + OPT293+Opt116 | OPT 23 + OPT 116+Opt293 | OPT 23a + OPT 116+Opt293 | OPT 50 + OPT 266 + Opt267 | OPT 49 + OPT 266 + Opt267 |
| 30KAV0600 /<br>30KAVZE0450 | x                         | x                          | x                          | x                       | x                        | x                         | x                         |

| SL NO | Revit Option                | Description                                                                     |
|-------|-----------------------------|---------------------------------------------------------------------------------|
| 1     | Opt 15L/LS + OPT23+Opt116A  | Comp Enclosure+ Grill/panel+Hydro Kit (BP)                                      |
| 2     | Opt 15L/LS + OPT23+Opt116W  | Comp Enclosure+ Grill/panel+Hydro Kit (HP)                                      |
| 3     | Opt 15L/LS + OPT23a+Opt116A | Comp Enclosure+ panel+Hydro Kit (BP)                                            |
| 4     | Opt 15L/LS + OPT23a+Opt116W | Comp Enclosure+ panel+Hydro Kit (HP)                                            |
| 5     | Opt 15L/LS + OPT293+Opt116A | Comp Enclosure+ expansion tank+Hydro Kit (BP)                                   |
| 6     | Opt 15L/LS + OPT293+Opt116W | Comp Enclosure+ expansion tank+Hydro Kit (HP)                                   |
| 7     | OPT 23 + OPT 116A+Opt293    | Grill/panel+ expansion tank+Hydro Kit (BP)                                      |
| 8     | OPT 23 + OPT 116W+Opt293    | Grill/panel+ expansion tank+Hydro Kit (HP)                                      |
| 9     | OPT 23a + OPT 116A+Opt293   | panel+ expansion tank+Hydro Kit (BP)                                            |
| 10    | OPT 23a + OPT 116W+Opt293   | panel+ expansion tank+Hydro Kit (HP)                                            |
| 11    | OPT 50 + OPT 266 + Opt267   | Total Heat Recovery + Cooler hydraulic connection + BPHE hydraulic connection   |
| 12    | OPT 49 + OPT 266 + Opt267   | Partial Heat Recovery + Cooler hydraulic connection + BPHE hydraulic connection |

**Option 15L/15LS+Option23 + Option116**

- 1) In this slide only 116A is shown. Same way 116W is also configured.
- 2) Similar way Opt 23a is also configured

**Family Types**

Type name:

**Search parameters**

| Parameter            | Value                               |   |
|----------------------|-------------------------------------|---|
| <b>Construction</b>  |                                     |   |
| OPT50                | <input type="checkbox"/>            | = |
| OPT325 for OPT50     | <input type="checkbox"/>            | = |
| OPT49                | <input type="checkbox"/>            | = |
| OPT325 for OPT49     | <input type="checkbox"/>            | = |
| Service Area         | <input type="checkbox"/>            | = |
| Option293            | <input type="checkbox"/>            | = |
| Option23a            | <input type="checkbox"/>            | = |
| Option23             | <input checked="" type="checkbox"/> | = |
| OPT116-600BP         | <input checked="" type="checkbox"/> | = |
| OPT116-600HP         | <input type="checkbox"/>            | = |
| 15LS/15L             | <input checked="" type="checkbox"/> | = |
| <b>Identity Data</b> |                                     |   |
|                      |                                     |   |

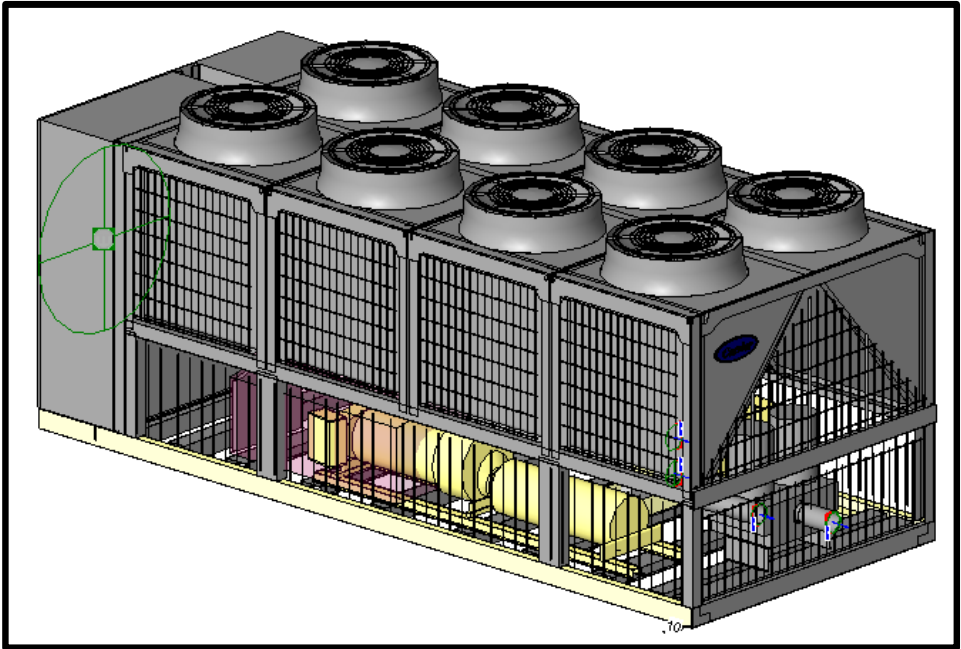








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**Option 15L/15LS+Option293 + Option116**

1) In this slide only 116A is shown. Similar way 116W is also mapped

Family Types

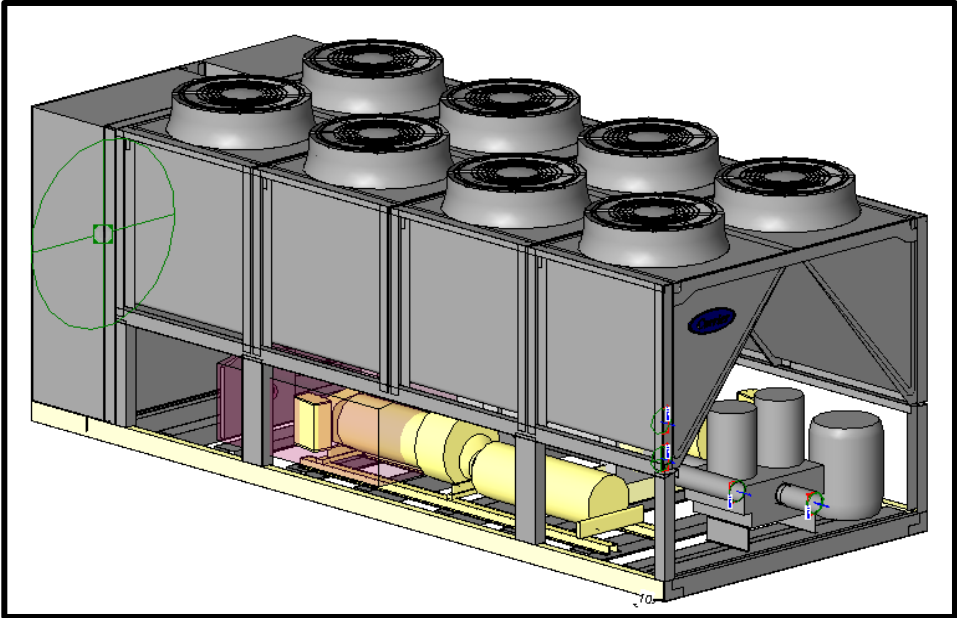
Type name: Opt 15L/LS + OPT293+Opt116A

Search parameters

| Parameter            | Value                               |   |
|----------------------|-------------------------------------|---|
| <b>Construction</b>  |                                     |   |
| OPT50                | <input type="checkbox"/>            | = |
| OPT325 for OPT50     | <input type="checkbox"/>            | = |
| OPT49                | <input type="checkbox"/>            | = |
| OPT325 for OPT49     | <input type="checkbox"/>            | = |
| Service Area         | <input type="checkbox"/>            | = |
| Option293            | <input checked="" type="checkbox"/> | = |
| Option23a            | <input type="checkbox"/>            | = |
| Option23             | <input type="checkbox"/>            | = |
| OPT116-600BP         | <input checked="" type="checkbox"/> | = |
| OPT116-600HP         | <input type="checkbox"/>            | = |
| 15LS/15L             | <input checked="" type="checkbox"/> | = |
| <b>Identity Data</b> |                                     |   |
|                      |                                     |   |

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OPT 23 + OPT 116+Opt293

- 1) In this slide only 116A is shown. Same way 116W is also configured.
- 2) Similar way Opt 23a is also configured.

### Family Types

Type name:

OPT 23+ OPT 116A + Opt 293

Search parameters

| Parameter            | Value                               |   |
|----------------------|-------------------------------------|---|
| <b>Construction</b>  |                                     |   |
| OPT50                | <input type="checkbox"/>            | = |
| OPT325 for OPT50     | <input type="checkbox"/>            | = |
| OPT49                | <input type="checkbox"/>            | = |
| OPT325 for OPT49     | <input type="checkbox"/>            | = |
| Service Area         | <input type="checkbox"/>            | = |
| Option293            | <input checked="" type="checkbox"/> | = |
| Option23a            | <input type="checkbox"/>            | = |
| Option23             | <input checked="" type="checkbox"/> | = |
| OPT116-600BP         | <input checked="" type="checkbox"/> | = |
| OPT116-600HP         | <input type="checkbox"/>            | = |
| 15LS/15L             | <input type="checkbox"/>            | = |
| <b>Identity Data</b> |                                     |   |
|                      |                                     |   |



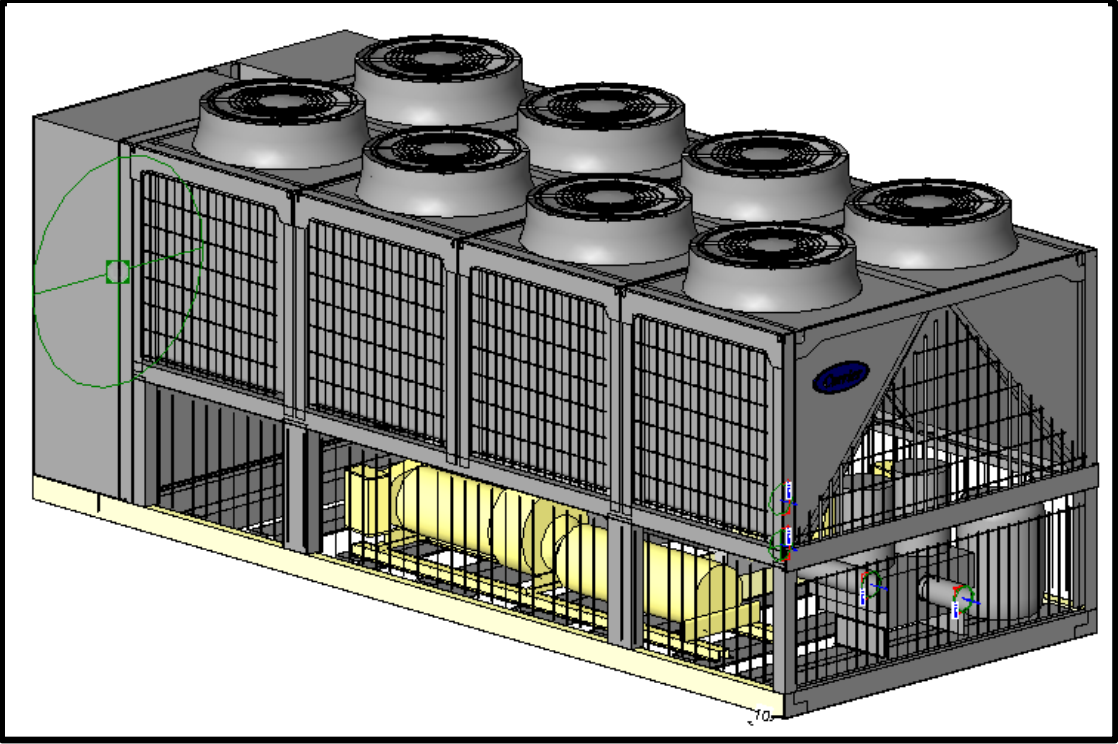






[How do I manage family types?](#)

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# OPT 50 + OPT 266 + Opt267

- 1) In this slide only Opt50 is shown. Same way Opt49 is also configured.

Family Types

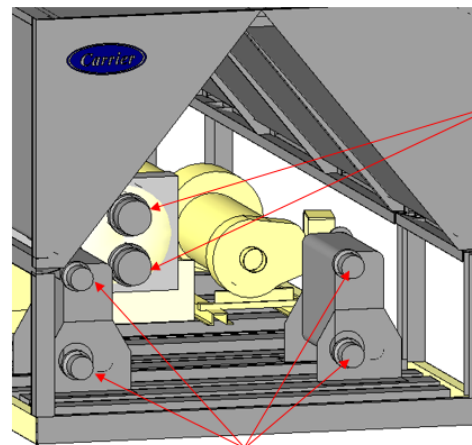
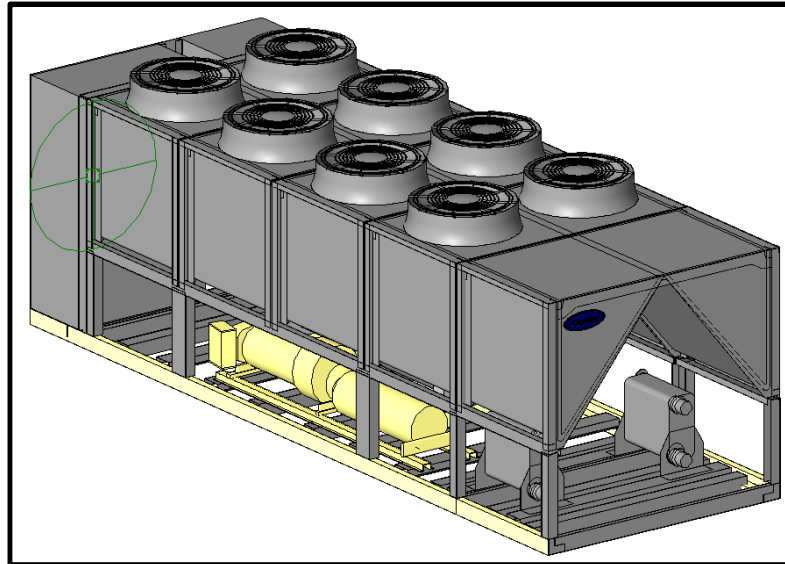
Type name: OPT50 + OPT266 + OPT267

Search parameters

| Parameter                    | Value                               |
|------------------------------|-------------------------------------|
| <b>Construction</b>          |                                     |
| ATEX Zone                    | <input type="checkbox"/>            |
| ATEX Zone + Heat Recovery    | <input type="checkbox"/>            |
| OPT266                       | <input checked="" type="checkbox"/> |
| OPT266_116_HYDKIT_BP         | <input type="checkbox"/>            |
| OPT266_116_HYDKIT_HP         | <input type="checkbox"/>            |
| OPT49+OPT325_OPT266          | <input type="checkbox"/>            |
| OPT50+OPT325_OPT266          | <input type="checkbox"/>            |
| OPT49+OPT325_OPT267          | <input type="checkbox"/>            |
| OPT50+OPT325_OPT267          | <input type="checkbox"/>            |
| OPT49_OPT267                 | <input type="checkbox"/>            |
| OPT50_OPT267                 | <input checked="" type="checkbox"/> |
| OPT50                        | <input checked="" type="checkbox"/> |
| OPT325 for OPT50             | <input type="checkbox"/>            |
| OPT49                        | <input type="checkbox"/>            |
| OPT325 for OPT49             | <input type="checkbox"/>            |
| <b>Service Area</b>          |                                     |
| Option293                    | <input type="checkbox"/>            |
| Option23a                    | <input type="checkbox"/>            |
| Option23                     | <input type="checkbox"/>            |
| OPT116-BP                    | <input type="checkbox"/>            |
| OPT116-HP                    | <input type="checkbox"/>            |
| 15LS/15L                     | <input type="checkbox"/>            |
| Service Area + Heat Recovery | <input type="checkbox"/>            |

How do I manage family types?

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Opt 266

Opt 267

## 4 Combo Units

### *30KAV / 30KAVZE REVIT DATABASE*

| <b>30KAV / 30KAVZE</b>     | <b>Options Combinations</b>      |                                   |                                    |                                    |
|----------------------------|----------------------------------|-----------------------------------|------------------------------------|------------------------------------|
| <b>RANGE</b>               | Opt 15L/LS + OPT23+Opt116+OPT293 | Opt 15L/LS + OPT23a+Opt116+OPT293 | Opt 50 + Opt 325 + Opt266 + Opt267 | Opt 49 + Opt 325 + Opt266 + Opt267 |
| 30KAV0600 /<br>30KAVZE0450 | x                                | x                                 | x                                  | x                                  |

| SL NO | Revit Option                       | Description                                                                                  |
|-------|------------------------------------|----------------------------------------------------------------------------------------------|
| 1     | Opt 15L/LS + OPT23+Opt116A+OPT293  | Comp Enclosure+ Grill/panel+expansion tank+Hydro Kit (BP)                                    |
| 2     | Opt 15L/LS + OPT23+Opt116W+OPT293  | Comp Enclosure+ Grill/panel+expansion tank+Hydro Kit (BP)                                    |
| 3     | Opt 15L/LS + OPT23a+Opt116A+OPT293 | Comp Enclosure+ panel+expansion tank+Hydro Kit (BP)                                          |
| 4     | Opt 15L/LS + OPT23a+Opt116W+OPT293 | Comp Enclosure+ panel+expansion tank+Hydro Kit (BP)                                          |
| 5     | OPT 50 + OPT325 + OPT 266 + Opt267 | Total Heat Recovery + Water pipe + Cooler hydraulic connection + BPHE hydraulic connection   |
| 6     | OPT 49 + OPT325 + OPT 266 + Opt267 | Partial Heat Recovery + Water pipe + Cooler hydraulic connection + BPHE hydraulic connection |

**Opt 15L/LS + OPT23+Opt116 +OPT293**

1) In this slide only 116A is shown. Similar way 116W is also mapped

Family Types

Type name:

Search parameters

| Parameter            | Value                               |   |
|----------------------|-------------------------------------|---|
| <b>Construction</b>  |                                     |   |
| OPT50                | <input type="checkbox"/>            | = |
| OPT325 for OPT50     | <input type="checkbox"/>            | = |
| OPT49                | <input type="checkbox"/>            | = |
| OPT325 for OPT49     | <input type="checkbox"/>            | = |
| Service Area         | <input type="checkbox"/>            | = |
| Option293            | <input checked="" type="checkbox"/> | = |
| Option23a            | <input type="checkbox"/>            | = |
| Option23             | <input checked="" type="checkbox"/> | = |
| OPT116-600BP         | <input type="checkbox"/>            | = |
| OPT116-600HP         | <input checked="" type="checkbox"/> | = |
| 15LS/15L             | <input checked="" type="checkbox"/> | = |
| <b>Identity Data</b> |                                     |   |
|                      |                                     |   |
|                      |                                     |   |
|                      |                                     |   |
|                      |                                     |   |

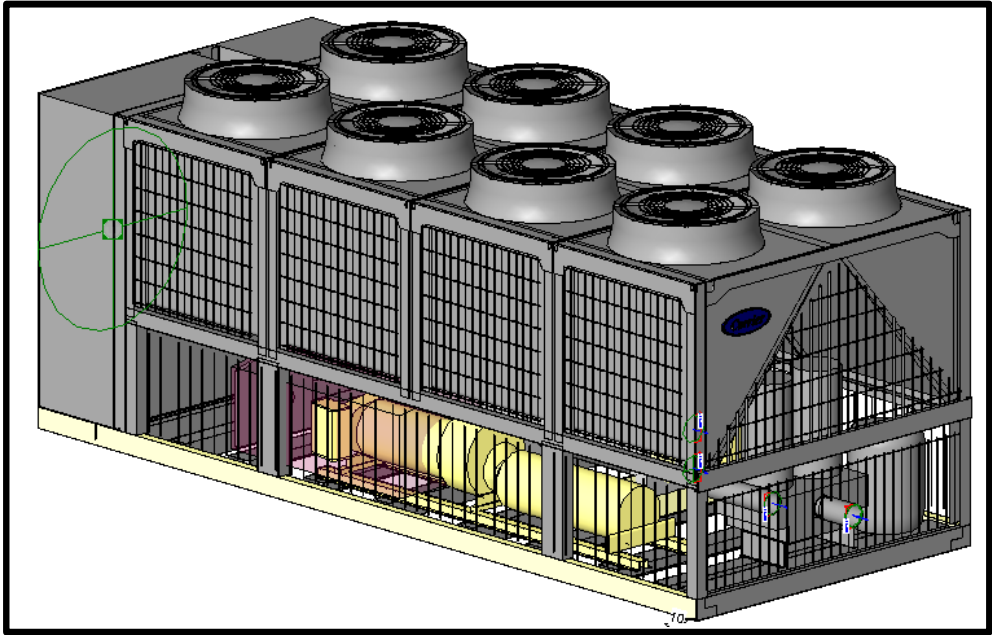








[How do I manage family types?](#) OK



## Opt 15L/LS + OPT23a+Opt116 +OPT293

1) In this slide only 116A is shown. Similar way 116W is also mapped

Family Types

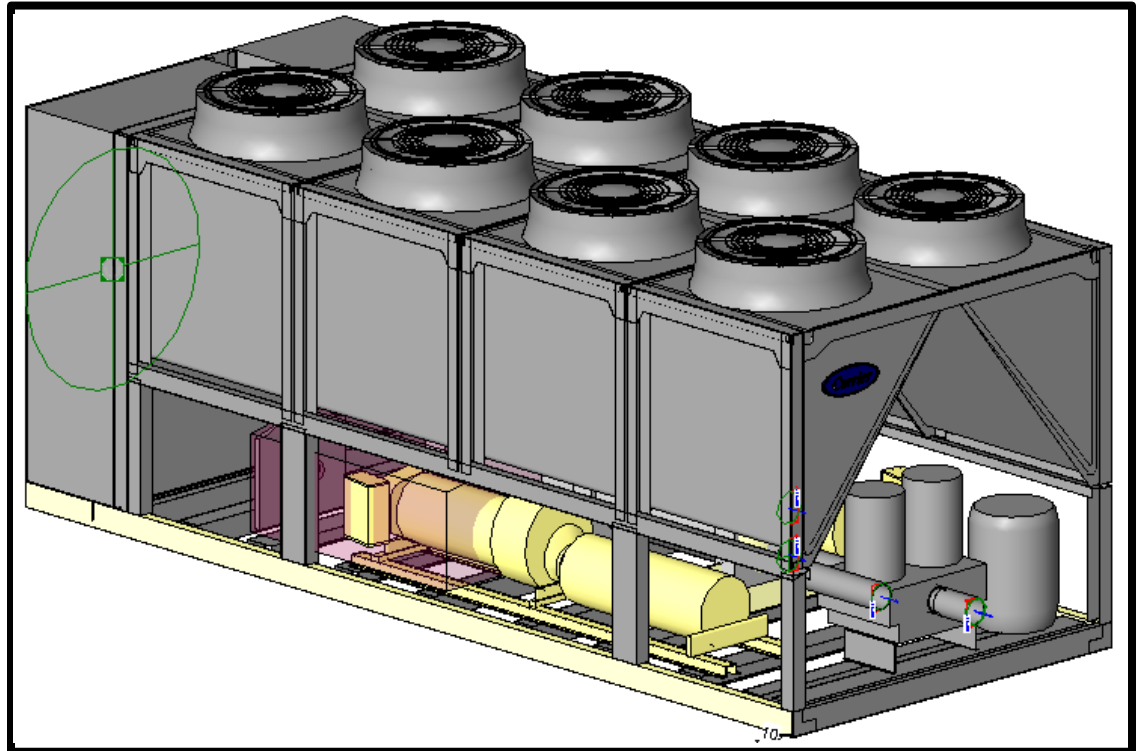
Type name: Opt 15L/LS + OPT23a+Opt116A+OPT293

Search parameters

| Parameter            | Value                               |
|----------------------|-------------------------------------|
| <b>Construction</b>  |                                     |
| OPT50                | <input type="checkbox"/>            |
| OPT325 for OPT50     | <input type="checkbox"/>            |
| OPT49                | <input type="checkbox"/>            |
| OPT325 for OPT49     | <input type="checkbox"/>            |
| Service Area         | <input type="checkbox"/>            |
| Option293            | <input checked="" type="checkbox"/> |
| Option23a            | <input checked="" type="checkbox"/> |
| Option23             | <input type="checkbox"/>            |
| OPT116-600BP         | <input checked="" type="checkbox"/> |
| OPT116-600HP         | <input type="checkbox"/>            |
| 15LS/15L             | <input checked="" type="checkbox"/> |
| <b>Identity Data</b> |                                     |
|                      |                                     |
|                      |                                     |
|                      |                                     |

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# OPT 50 + OPT325 + OPT 266 + Opt267

1) In this slide only Opt50 is shown. Same way Opt49 is also configured.

Family Types

Type name: OPT50 + OPT325 + OPT266 + OPT267

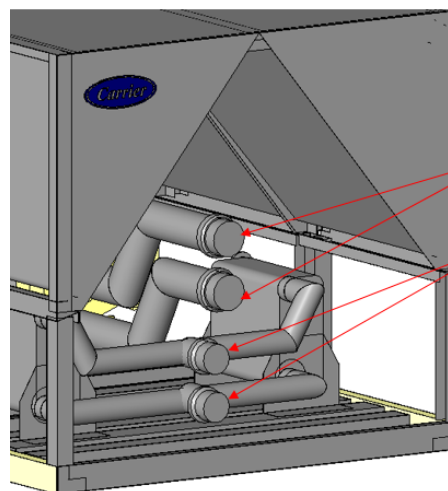
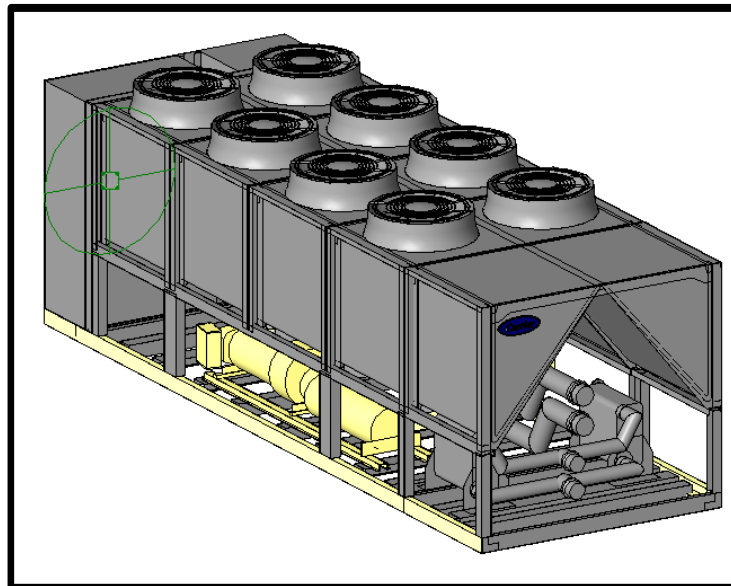
Search parameters

| Parameter                    | Value                               |
|------------------------------|-------------------------------------|
| <b>Construction</b>          |                                     |
| ATEX Zone                    | <input type="checkbox"/>            |
| ATEX Zone + Heat Recovery    | <input type="checkbox"/>            |
| OPT266                       | <input type="checkbox"/>            |
| OPT266_116_HYDKIT_BP         | <input type="checkbox"/>            |
| OPT266_116_HYDKIT_HP         | <input type="checkbox"/>            |
| OPT49+OPT325_OPT266          | <input type="checkbox"/>            |
| OPT50+OPT325_OPT266          | <input checked="" type="checkbox"/> |
| OPT49+OPT325_OPT267          | <input type="checkbox"/>            |
| OPT50+OPT325_OPT267          | <input checked="" type="checkbox"/> |
| OPT49_OPT267                 | <input type="checkbox"/>            |
| OPT50_OPT267                 | <input type="checkbox"/>            |
| OPT50                        | <input checked="" type="checkbox"/> |
| OPT325 for OPT50             | <input checked="" type="checkbox"/> |
| OPT49                        | <input type="checkbox"/>            |
| OPT325 for OPT49             | <input type="checkbox"/>            |
| <b>Service Area</b>          |                                     |
| Option293                    | <input type="checkbox"/>            |
| Option23a                    | <input type="checkbox"/>            |
| Option23                     | <input type="checkbox"/>            |
| OPT116-BP                    | <input type="checkbox"/>            |
| OPT116-HP                    | <input type="checkbox"/>            |
| 15LS/15L                     | <input type="checkbox"/>            |
| Service Area + Heat Recovery | <input type="checkbox"/>            |

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How do I manage family types?

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Opt 266

Opt 267

### **IMPORTANT:-**

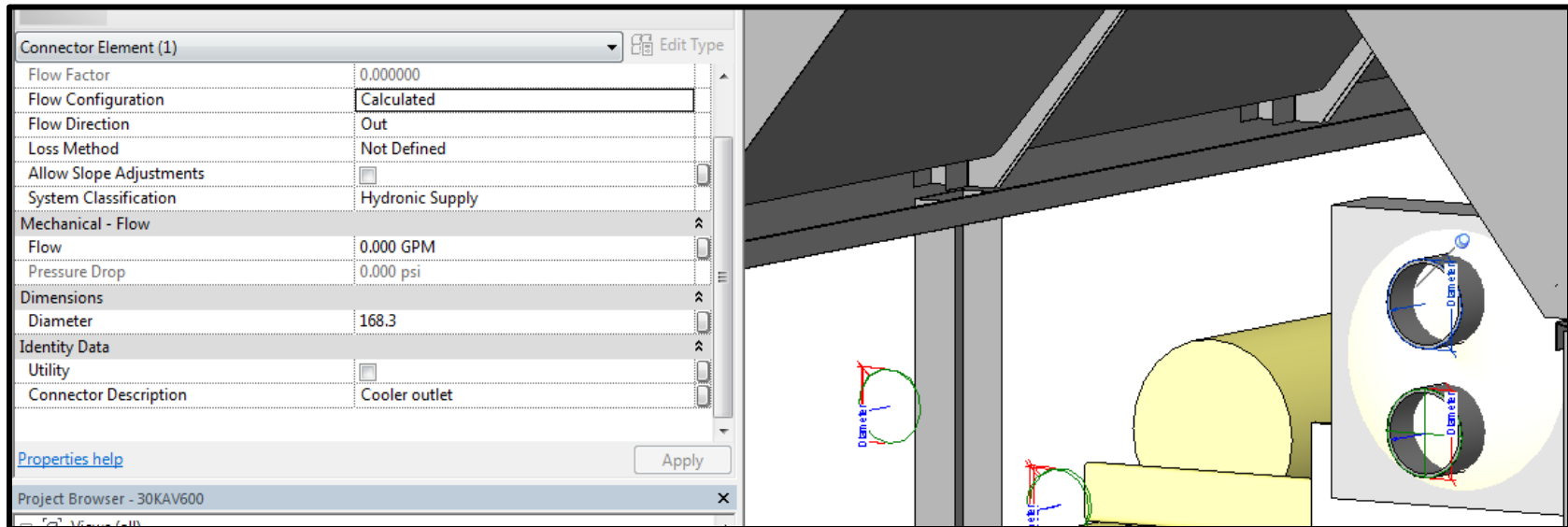
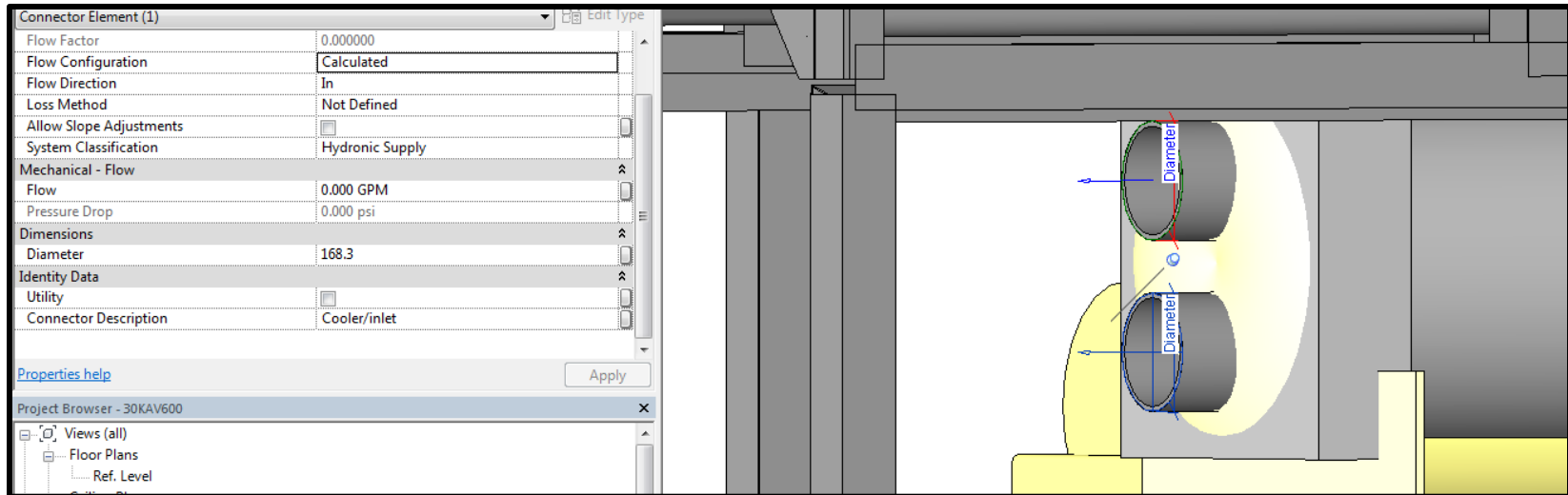
#### **Connectors Used-**

- 1) Cooler Inlet /Outlet
- 2) Chiller Inlet/ Pump Inlet.
- 3) Chiller Outlet.
- 4) Total Heat Recovery (Opt50) Inlet / Outlet
- 5) Partial Heat Recovery (Opt49) Inlet / Outlet
- 6) Total Heat Recovery (Opt50) + Opt325 Inlet / Outlet
- 7) Partial Heat Recovery (Opt49) + Opt325 Inlet / Outlet
- 8) Electrical Box

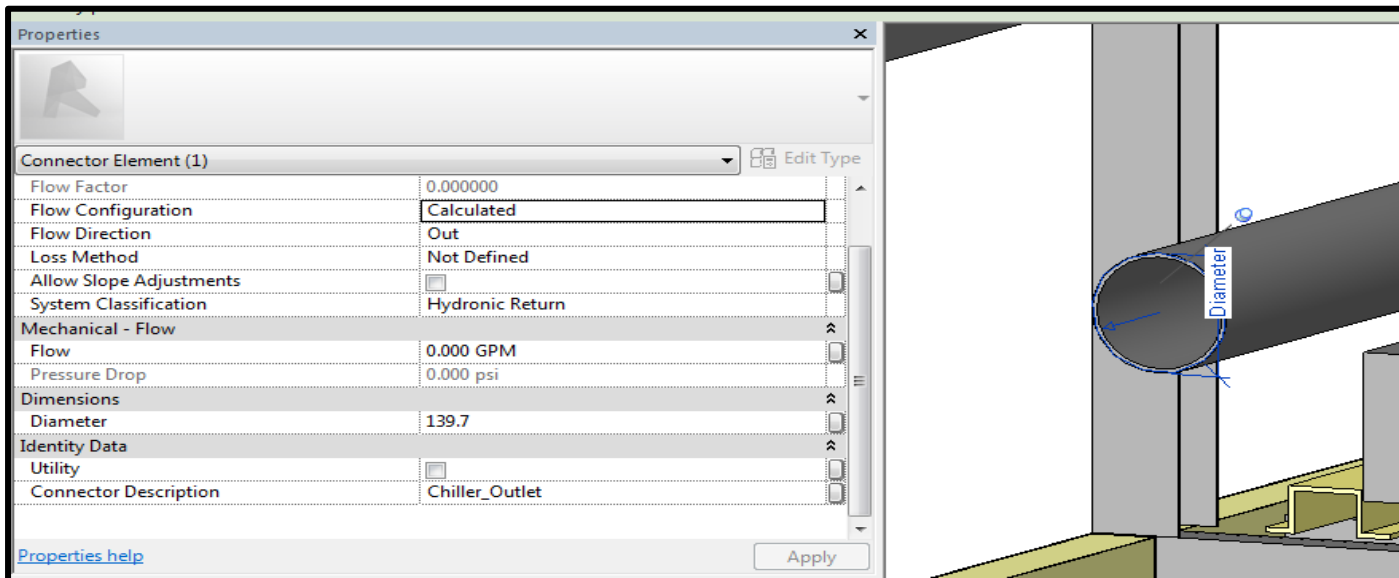
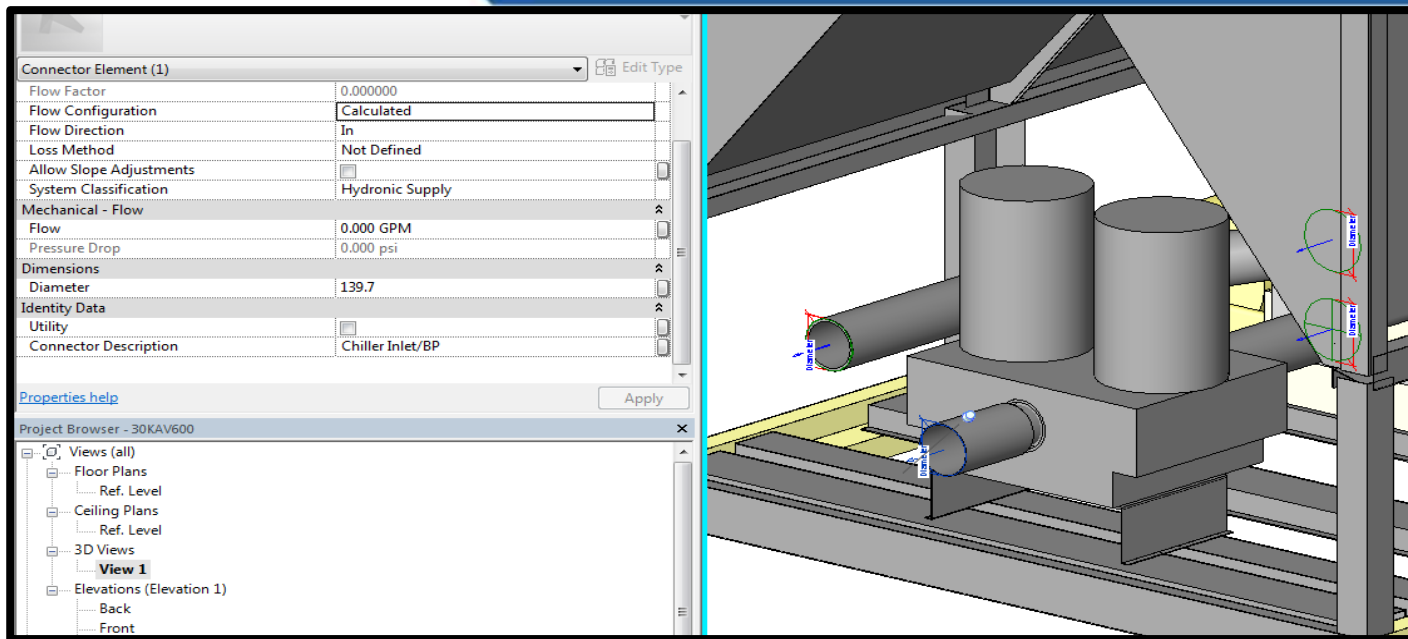
Connector Information are read by clicking on the arrow Provided as shown.

**NOTE:** 1) Connector are associated with the geometry profile of the unit.

## Cooler Inlet / Outlet



# Chiller Inlet / Outlet (Customer Connection)

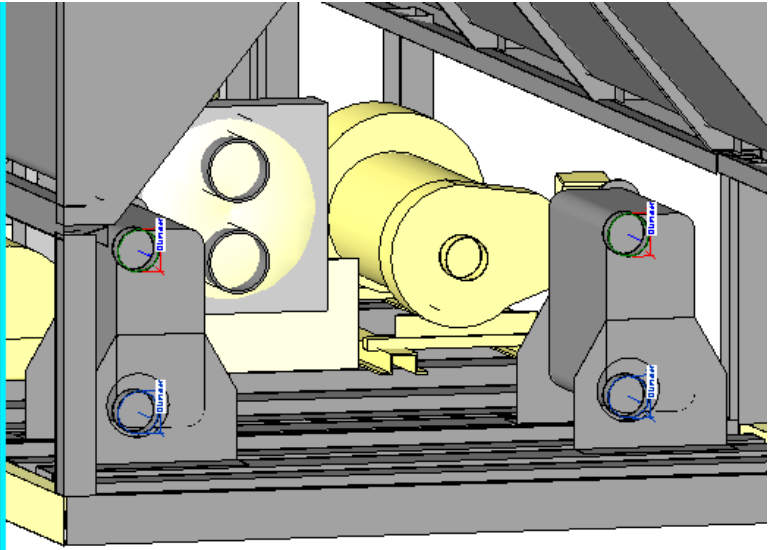


# Total Heat Recovery (Opt50) Inlet / Outlet

Multiple Families Selected

Connector Element (2) Edit Type

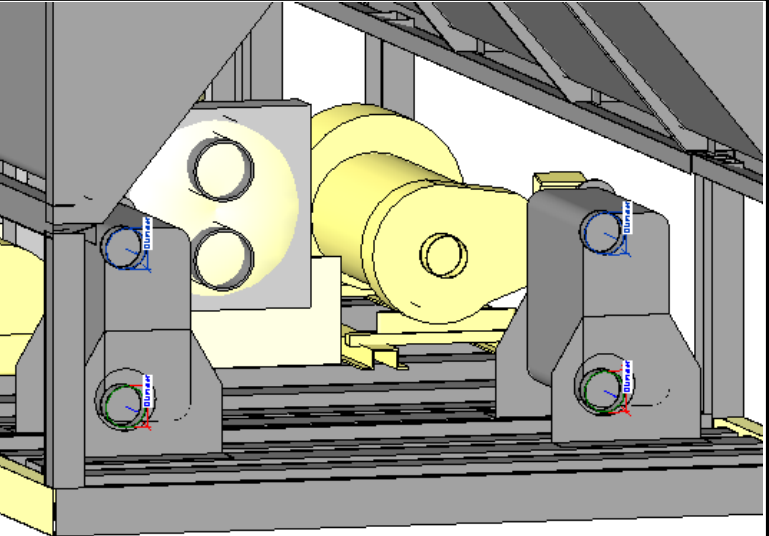
|                         |                          |
|-------------------------|--------------------------|
| Dimensions              |                          |
| Diameter                | 114.3                    |
| Mechanical              |                          |
| K Coefficient           | 0.000000                 |
| Flow Factor             | 0.000000                 |
| Flow Configuration      | Calculated               |
| Flow Direction          | In                       |
| Loss Method             | Not Defined              |
| Allow Slope Adjustments | <input type="checkbox"/> |
| System Classification   | Hydronic Supply          |
| Mechanical - Flow       |                          |
| Flow                    | 0.000 GPM                |
| Pressure Drop           | 0.000 psi                |
| Identity Data           |                          |
| Utility                 | <input type="checkbox"/> |
| Connector Description   | Water_Inlet              |



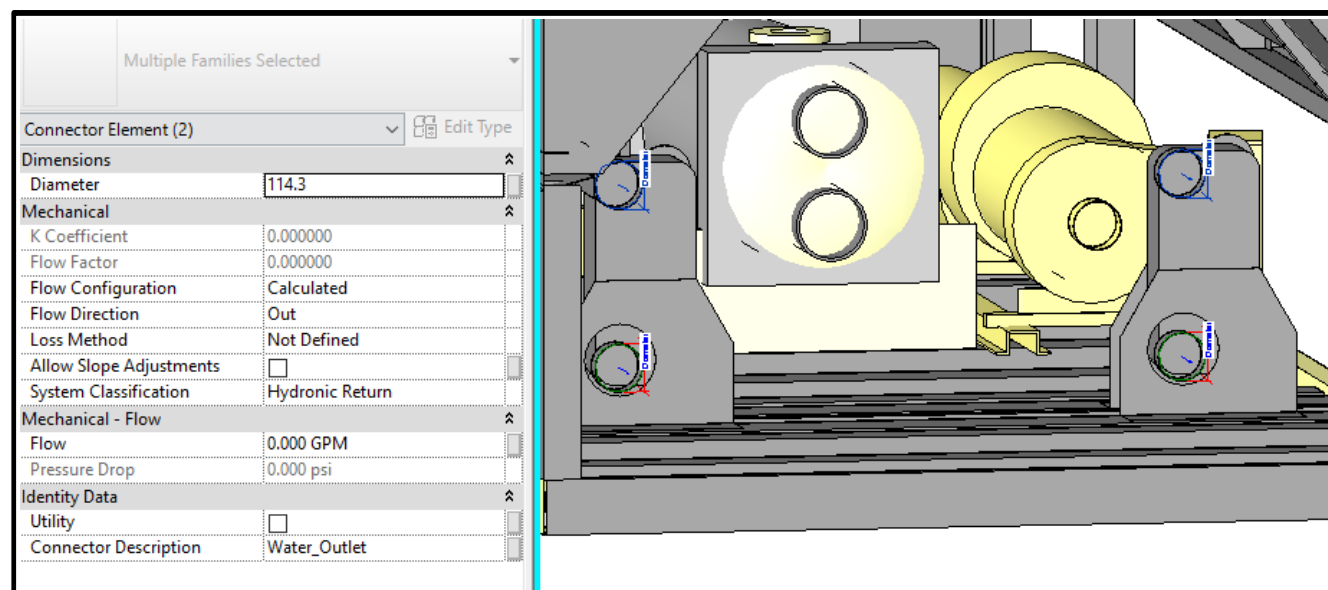
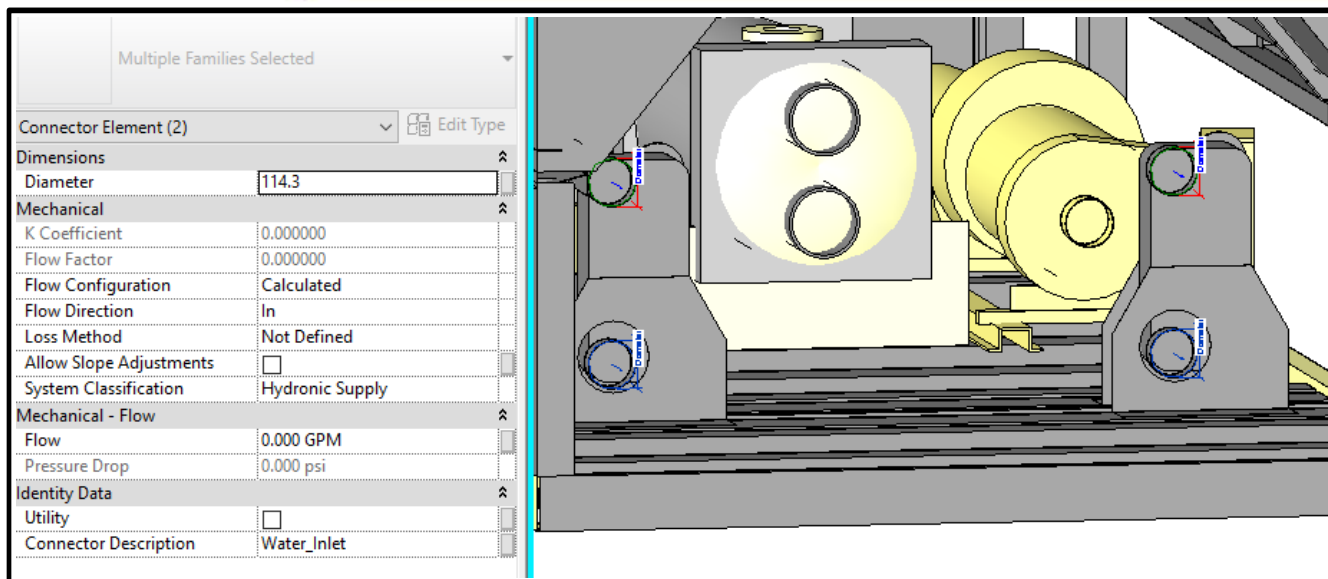
Multiple Families Selected

Connector Element (2) Edit Type

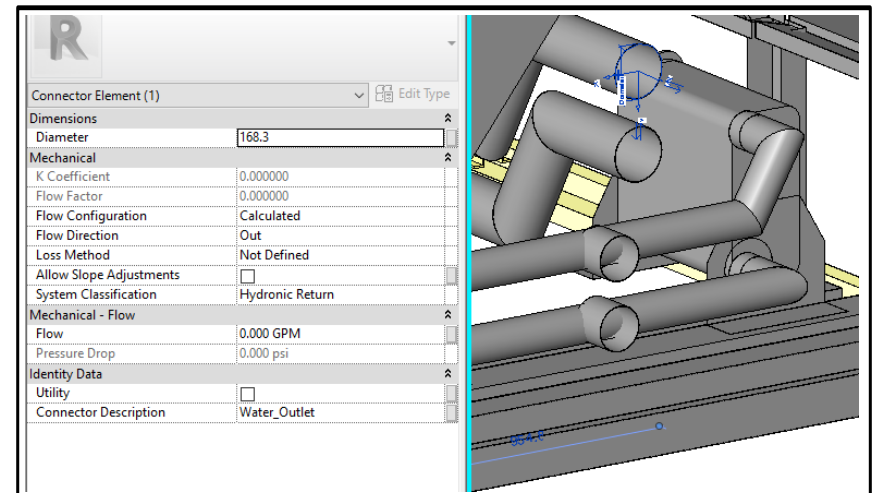
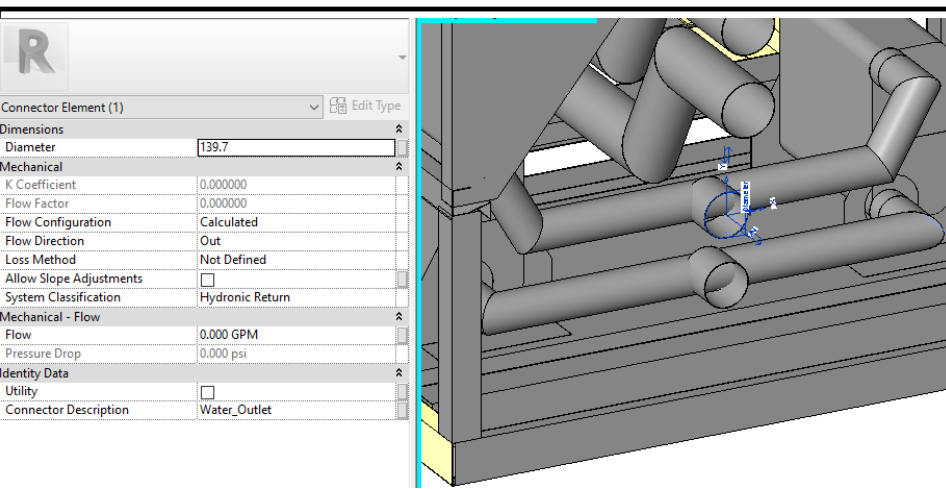
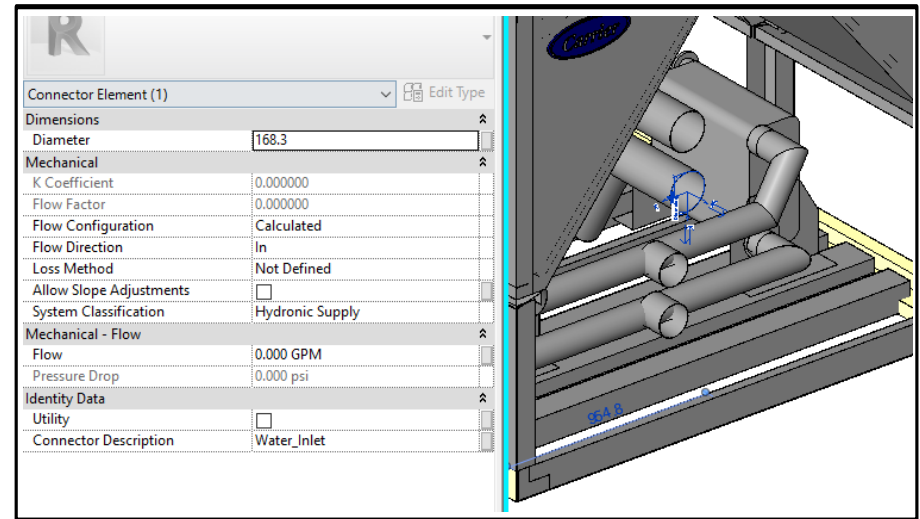
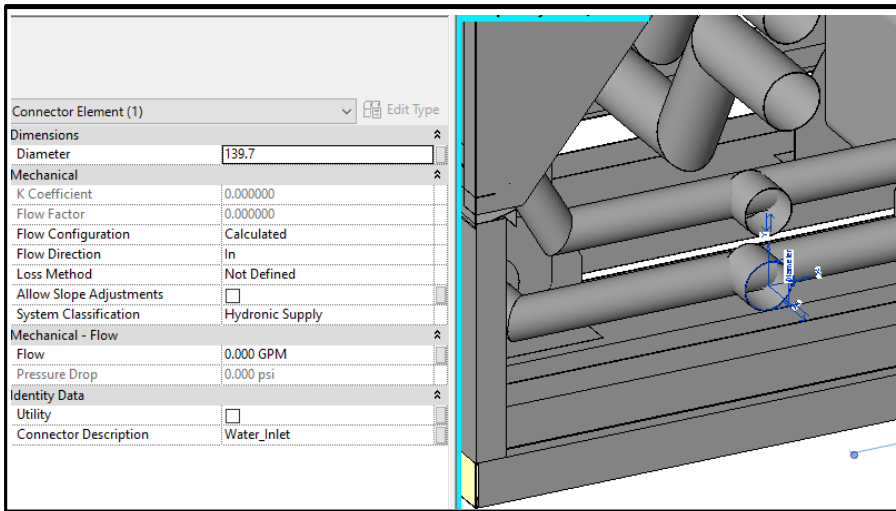
|                         |                          |
|-------------------------|--------------------------|
| Dimensions              |                          |
| Diameter                | 114.3                    |
| Mechanical              |                          |
| K Coefficient           | 0.000000                 |
| Flow Factor             | 0.000000                 |
| Flow Configuration      | Calculated               |
| Flow Direction          | Out                      |
| Loss Method             | Not Defined              |
| Allow Slope Adjustments | <input type="checkbox"/> |
| System Classification   | Hydronic Return          |
| Mechanical - Flow       |                          |
| Flow                    | 0.000 GPM                |
| Pressure Drop           | 0.000 psi                |
| Identity Data           |                          |
| Utility                 | <input type="checkbox"/> |
| Connector Description   | Water_Outlet             |



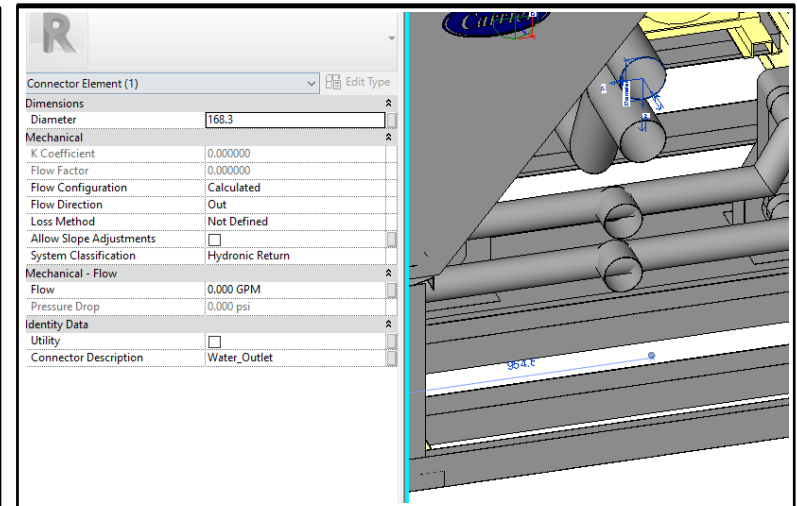
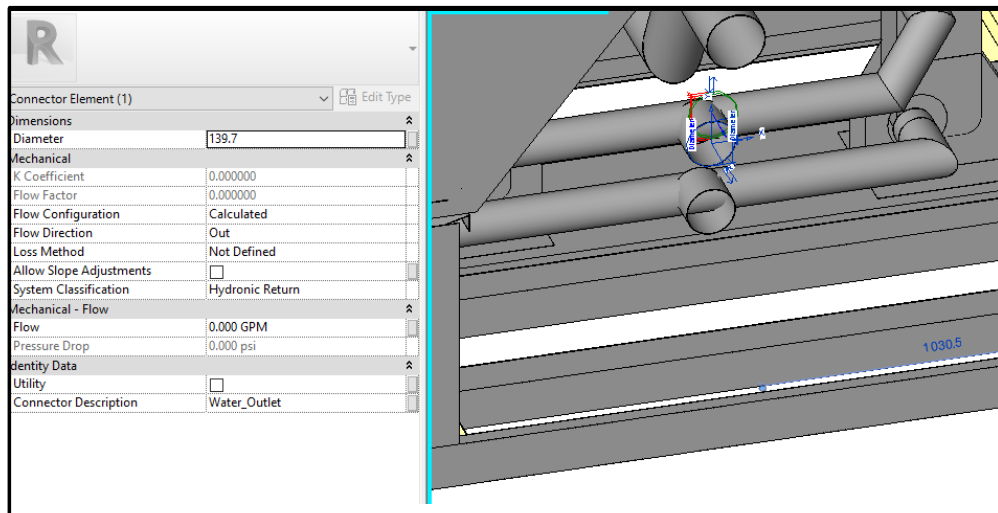
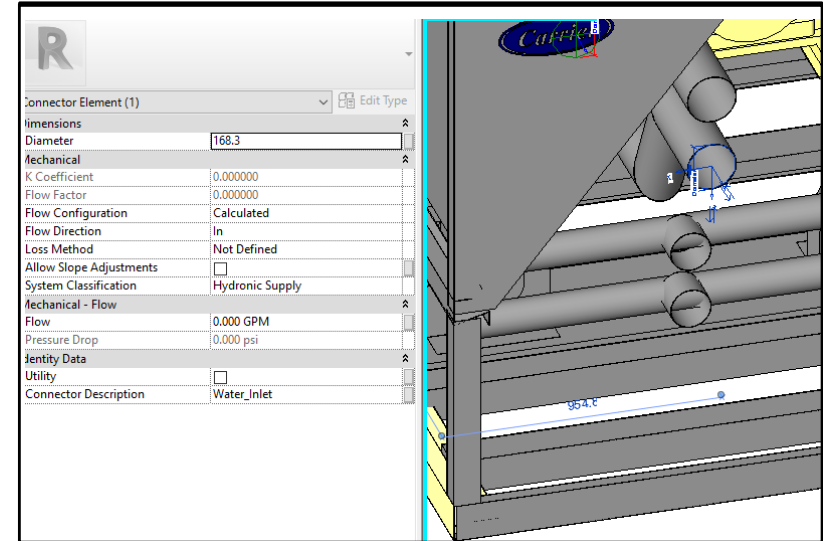
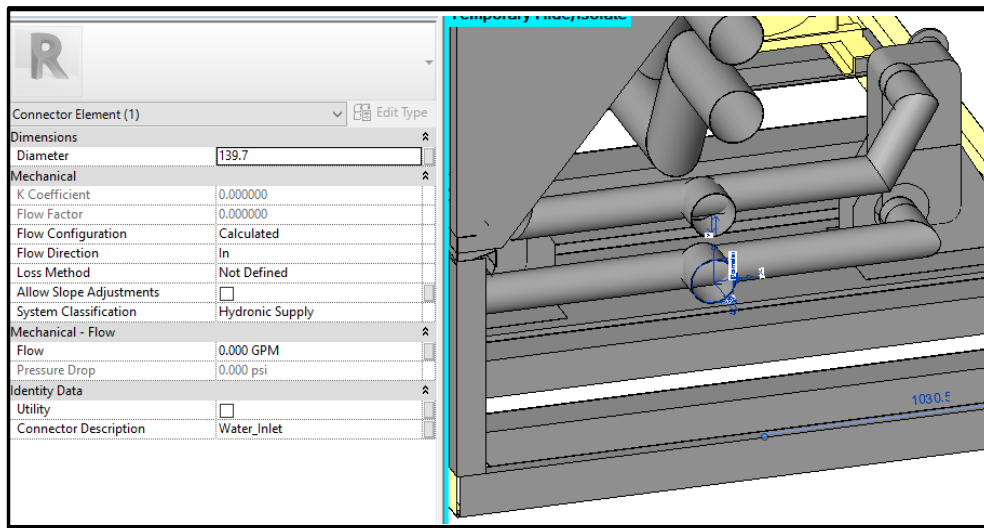
# *Partial Heat Recovery (Opt49) Inlet / Outlet*



# Total Heat Recovery (Opt50) + Opt325 Inlet / Outlet



# Total Heat Recovery (Opt49) + Opt325 Inlet / Outlet



# Electrical Box Connection



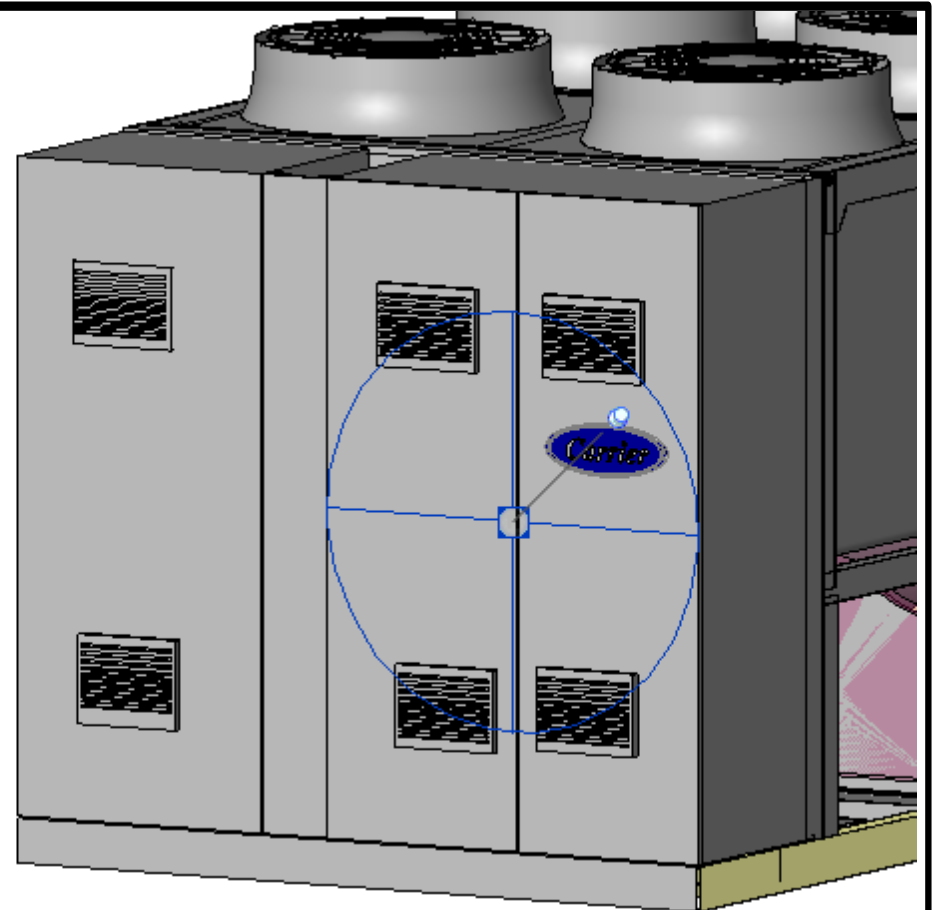
Connector Element (1)  Edit Type

**Electrical - Loads** 

|                               |                          |
|-------------------------------|--------------------------|
| System Type                   | Power - Unbalanced       |
| Number of Poles               | 1                        |
| Power Factor State            | Lagging                  |
| Load Classification           | Other                    |
| Load Sub-Classification Motor | <input type="checkbox"/> |
| Voltage                       | 0.00 V                   |
| Apparent Load Phase 1         | 0.00 VA                  |
| Apparent Load Phase 2         | 0.00 VA                  |
| Apparent Load Phase 3         | 0.00 VA                  |
| Power Factor                  | 1.000000                 |

**Identity Data** 

|                       |                          |
|-----------------------|--------------------------|
| Utility               | <input type="checkbox"/> |
| Connector Description | Electrical_Box 30KAV 600 |



## *Carrier Logo*

