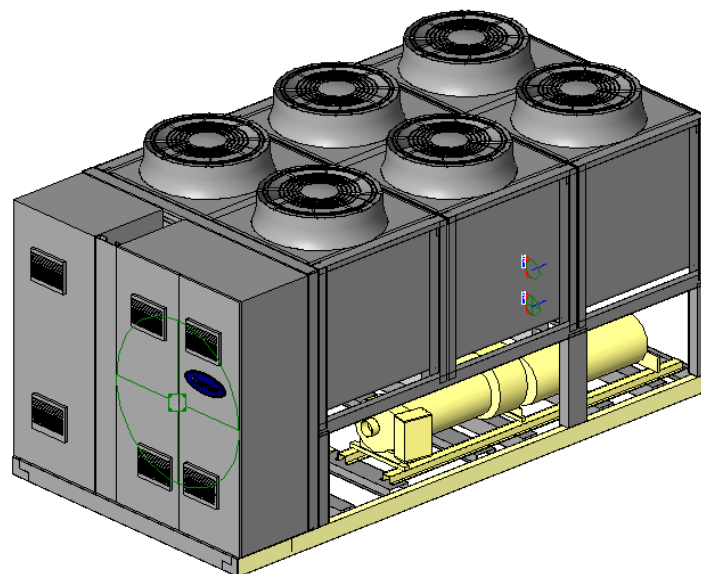


30KAV0550/
30KAVZE0400



INDEX

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- | | | |
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| 1. | Excel sheet Data to Revit Option | 3 |
| 2. | Operation of Revit file | 4-38 |
| 3. | Connector Information | 39-47 |

Excel To Revit File Conversion

<u>30KAV / 30KAVZE REVIT DATABASE</u>									
<u>30KAV / 30KAVZE RANGE</u>	<u>Standard Components</u>	<u>Options</u>							
	Chassis/structure/wcoil/cooler / electrical box/suction line	Hyd_kit(opt-116)	Expansion Tank (opt293)	Grill Panel(opt23)	Coil panel(opt23a)	Comp enclosure (opt 15 or 15LS)	Total Heat Recovery (opt 50)	Partial Heat Recovery (opt 49)	Cooler hydraulic connection (opt 266)
30KAV0550 / 30KAVZE0400	x	x	x	x	x	x	x	x	x

SINGLE OPTION

SL NO	Revit Option	Description
1	30KAV0550 / 30KAVZE0400	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: 30KAV0550 / 30KAVZE0400

Search param

pa

Construction

ATEX Zone

ATEX Zone +

OPT266

OPT266_116

OPT266_116

OPT49+OPT

OPT49+OPT

OPT49_OPT

OPT50+OPT

OPT50+OPT

OPT50_OPT

OPT50

OPT325 for C

OPT49

OPT325 for C

Service Area

Service Area

Option293

Option23

Opt23a_Kit

Opt23a

OPT23_Hyd kit

OPT116-HP

OPT116-BP

Hyd_Kit_structure

15LS/15L

Opt 15/15ls +Opt 23

Opt 15/15ls +Opt 23a

Opt 15L/15LS+Opt23 + Opt116A

Opt 15L/15LS+Opt23 + Opt116W

Opt 15L/15LS+Opt23a + Opt116A

Opt 15L/15LS+Opt23a + Opt116W

Opt 15L/LS + OPT23+Opt116A+OPT293

Opt 15L/LS + OPT23+Opt116W+OPT293

Opt 15L/LS + OPT23a+Opt116A+OPT293

Opt 15L/LS + OPT23a+Opt116W+OPT293

Opt 23

Opt 23+Opt293+ Opt116A

Opt 23+Opt293+ Opt116W

Opt 23a+Opt293+ Opt116A

Opt 23a+Opt293+ Opt116W

OPT116A + OPT266

OPT116W + OPT266

OPT15/15LS

OPT23 KIT

Opt23+116W

Opt23a

Opt23a_Kit

Opt23a+116W

OPT266

OPT49

OPT49 + OPT266 + OPT267

OPT49 + OPT325

☐

☐

☐

☐

☐

☐

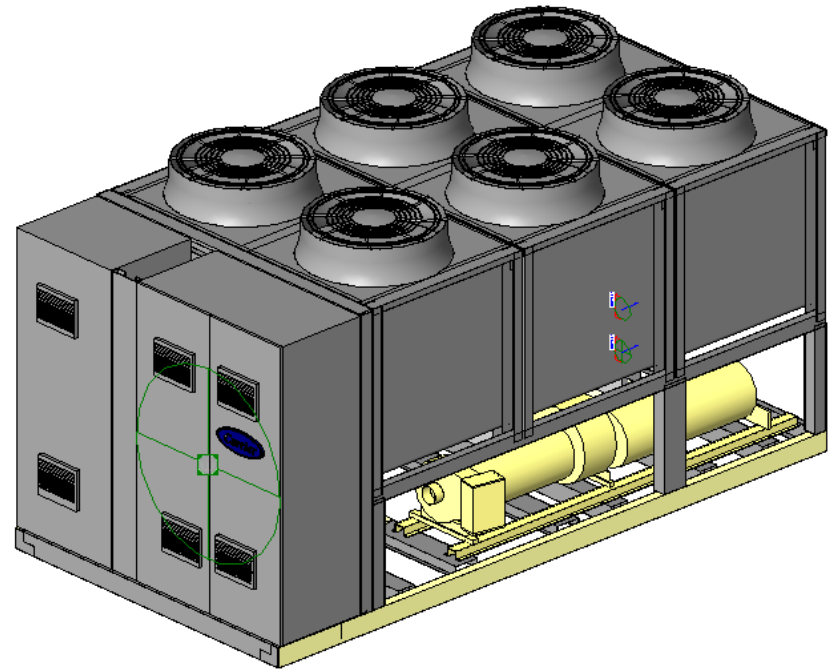
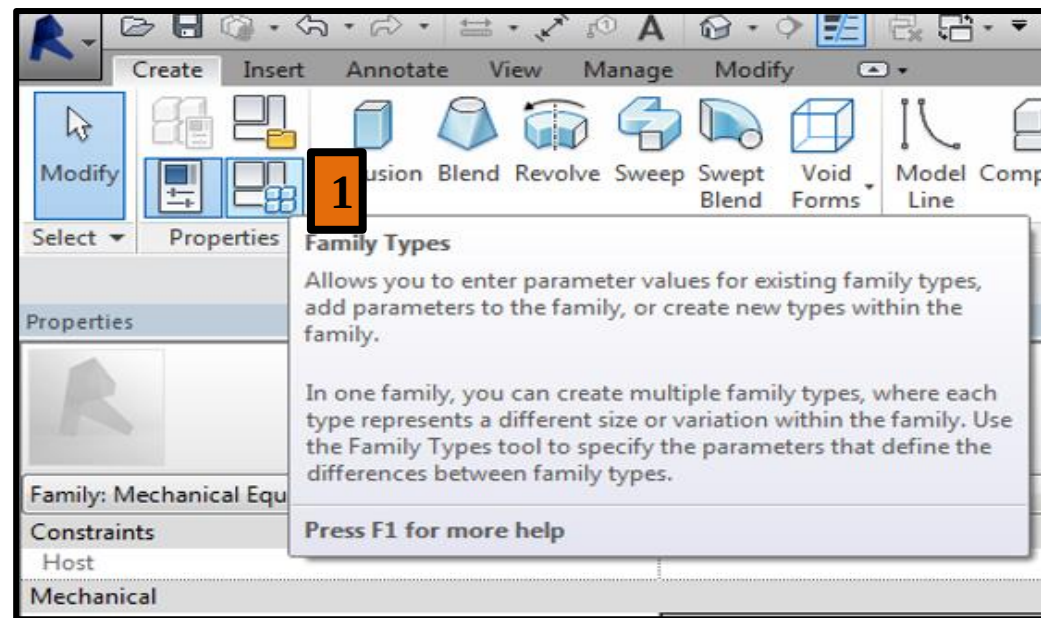
☐

☐

☐

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: 30KAV0550 / 30KAVZE0400

2

Search parameters

pa

Construction

ATEX Zone

ATEX Zone +

OPT266

OPT266_116

OPT266_116

OPT49+OPT

OPT49+OPT

OPT49_OPT2

OPT50+OPT

OPT50+OPT

OPT50_OPT2

OPT50

OPT325 for C

OPT49

OPT325 for C

Service Area

Service Area

Option293

Option23

Opt23a_Kit

Opt23a

OPT23_Hyd kit

OPT116-HP

OPT116-BP

Hyd_Kit _structure

15LS/15L

Family Types

Type name: 30KAV0550 / 30KAVZE0400

Search parameters

Parameter	Value
Construction	
ATEX Zone	☐
ATEX Zone + Kit / Heat Recovery	☐
OPT266	☐
OPT266_116_HYDKIT_BP	☐
OPT266_116_HYDKIT_HP	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☐
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+ Kit / Heat Recovery	☐
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-HP	☐
OPT116-BP	☐
_structure	☐
15LS/15L	☐

2

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

30KAV0550 / 30KAVZE0400

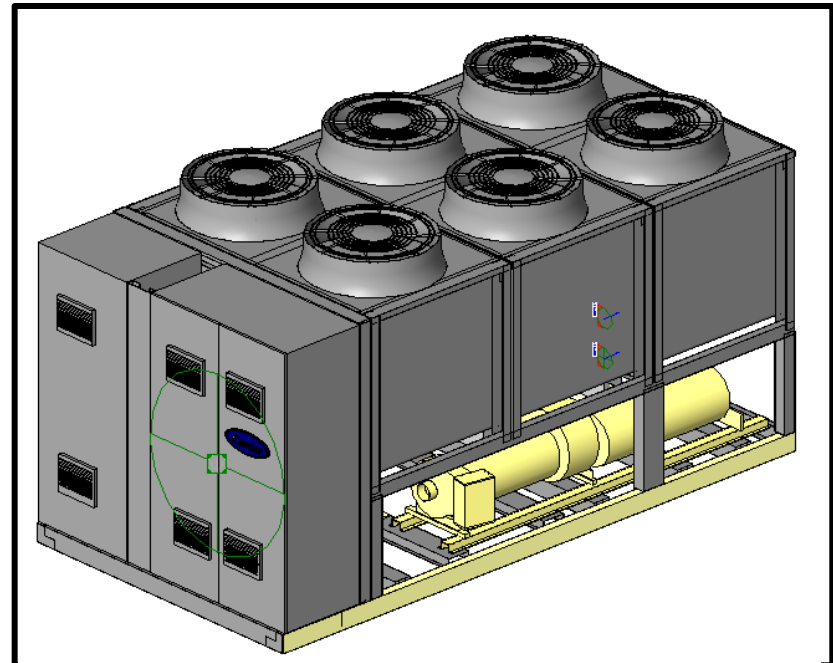
Family Types

Type name: 30KAV0550 / 30KAVZE0400

Search parameters

Parameter	Value
Construction	
ATEX Zone	☐
ATEX Zone + Kit / Heat Recovery	☐
OPT266	☐
OPT266_116_HYDKIT_BP	☐
OPT266_116_HYDKIT_HP	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☐
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+ Kit / Heat Recovery	☐
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-HP	☐
OPT116-BP	☐
Hyd_Kit _structure	☐
15LS/15L	☐

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



Option 15/15LS

Low Noise Enclosure
Standard unit + Enclosure

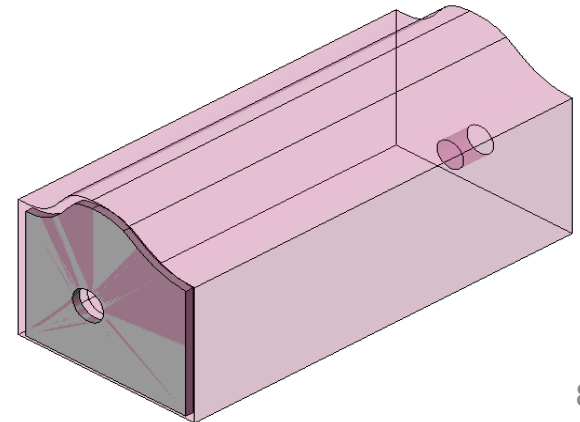
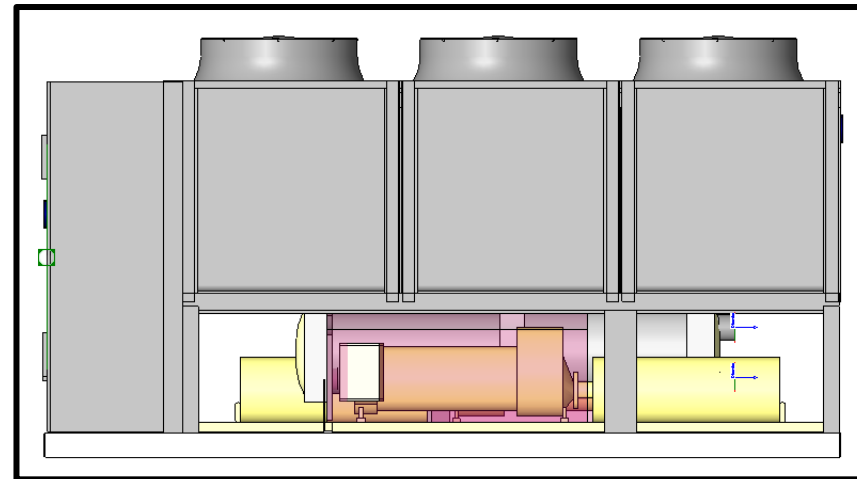
Family Types

Type name: OPT15/15LS

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area+ Kit	☐	=
Service Area	☐	=
Option293	☐	=
Option23	☐	=
Opt23a_Kit	☐	=
Opt23a	☐	=
OPT23_Hyd kit	☐	=
OPT116-500BP	☐	=
OPT116-500HP	☐	=
Hyd_Kit_structure	☐	=
15LS/15L	☒	=
Identity Data		

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



Option 23

Coil panel protection Standard unit + panel+ Grill

Family Types

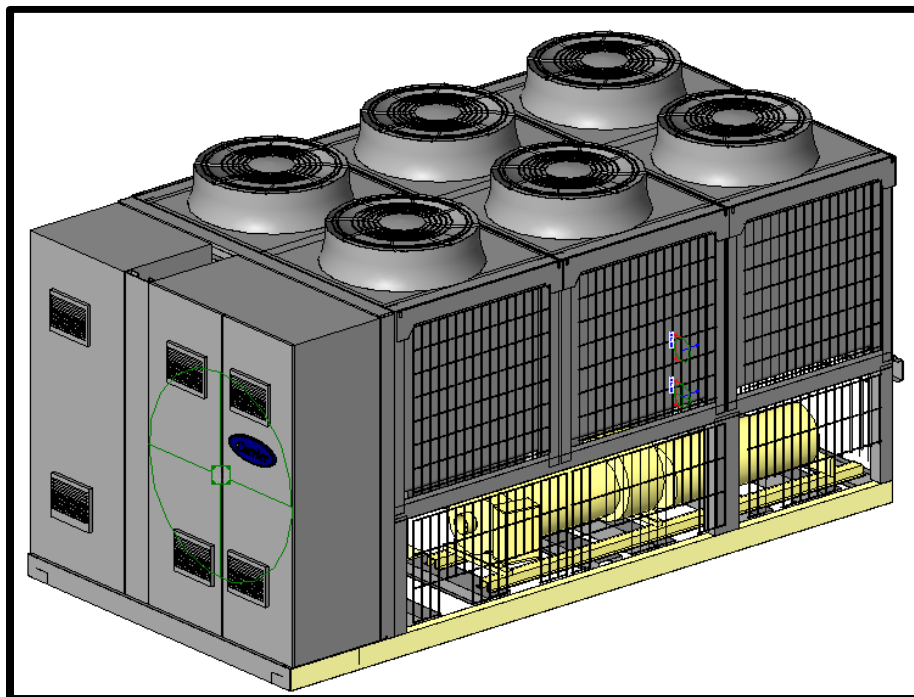
Type name: Opt 23

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+Kit	☐
Service Area	☐
Option293	☐
Option23	☒
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-500BP	☐
OPT116-500HP	☐
Hyd_Kit _structure	☐
15LS/15L	☐
Identity Data	

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



Option 23a

Coil panel protection Standard unit + panel

Family Types

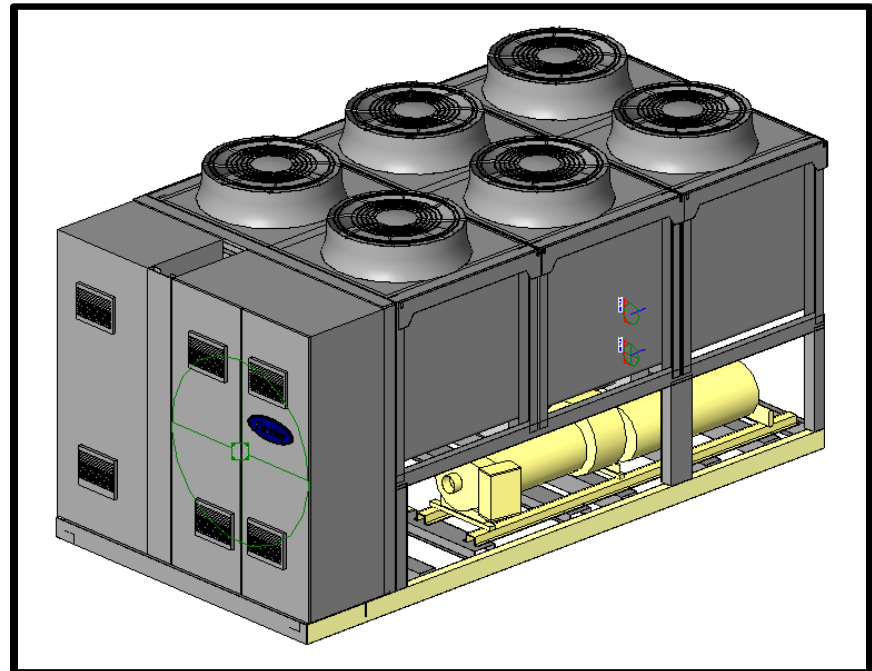
Type name: Opt23a

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+Kit	☐
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☒
OPT23_Hyd kit	☐
OPT116-500BP	☐
OPT116-500HP	☐
Hyd_Kit _structure	☐
15LS/15L	☐
Identity Data	

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



Option 23 KIT

Coil panel protection

Standard unit + Grill + panel

Note: Opt 23 KIT is applicable only when Opt 50 / Opt 49 / Opt 116 is present in unit

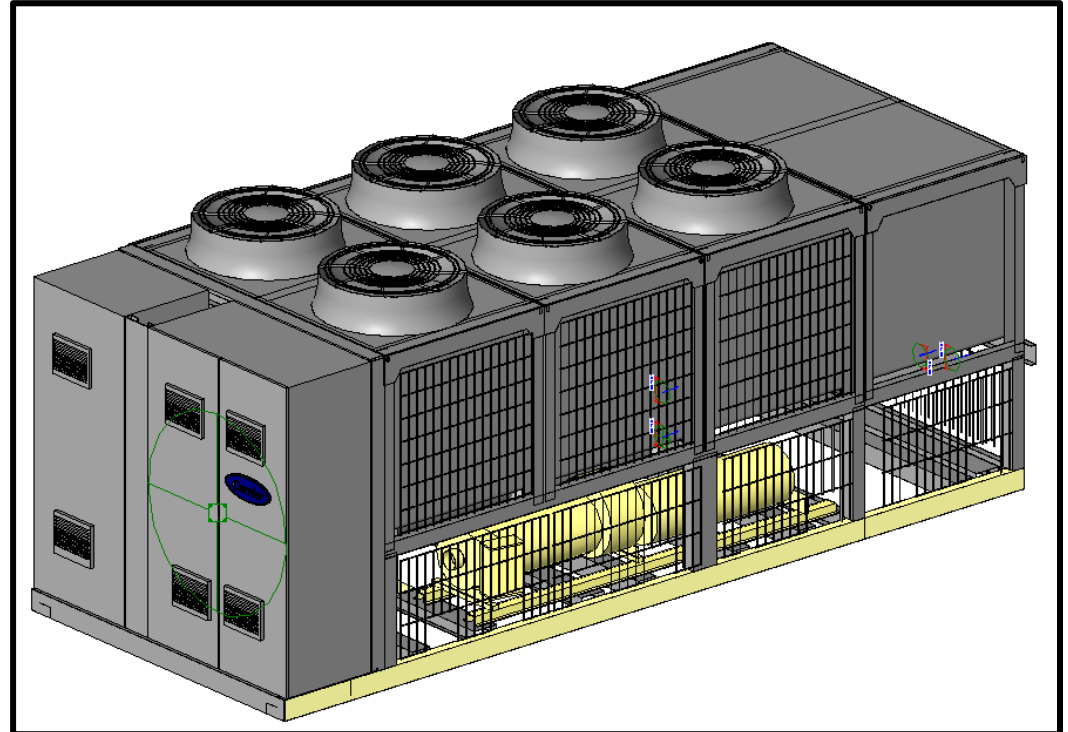
Family Types

Type name: OPT23 KIT

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+ Kit	☐
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☒
OPT116-500BP	☐
OPT116-500HP	☐
Hyd_Kit_structure	☒
15LS/15L	☐
Identity Data	

How do I manage family types? OK



Option 23a KIT

Coil panel protection Standard unit + panel

Note: Opt 23a KIT is applicable only when Opt 50 / Opt 49 / Opt 116 is present in unit

Family Types

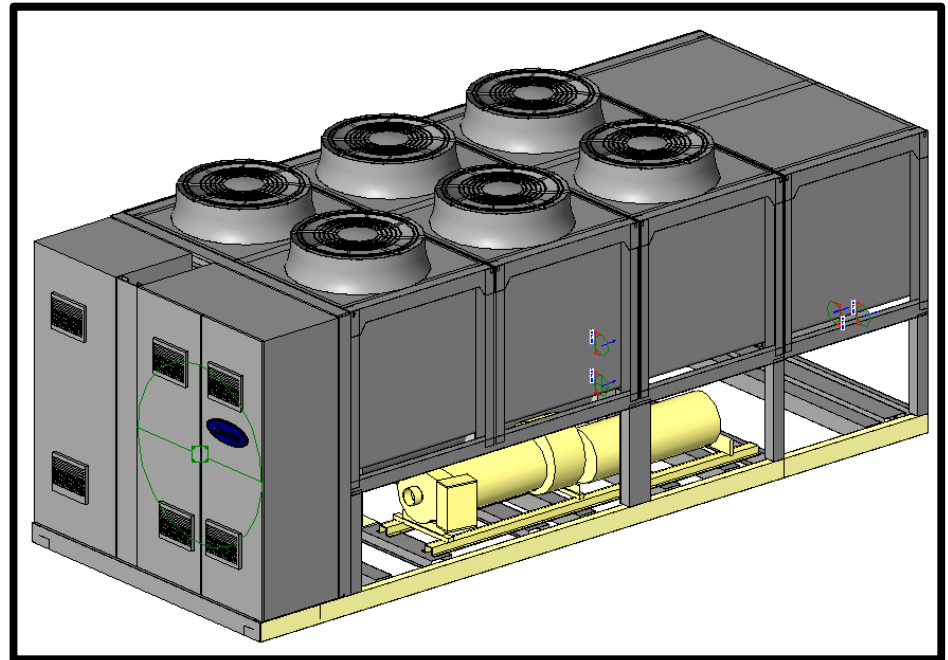
Type name: Opt23a_Kit

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area+Kit	☐	=
Service Area	☐	=
Option293	☐	=
Option23	☐	=
Opt23a_Kit	☒	=
Opt23a	☐	=
OPT23_Hyd kit	☐	=
OPT116-500BP	☐	=
OPT116-500HP	☐	=
Hyd_Kit_structure	☒	=
15LS/15L	☐	=
Identity Data		

How do I manage family types?

OK



Option 116A

Low Pressure Double Pump STD Unit + Pump(BP)

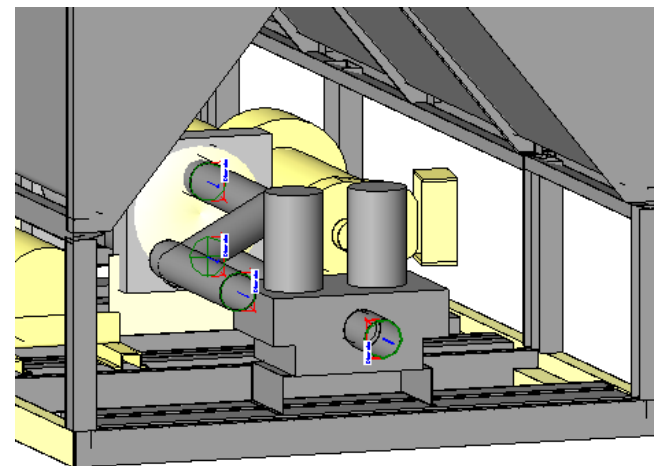
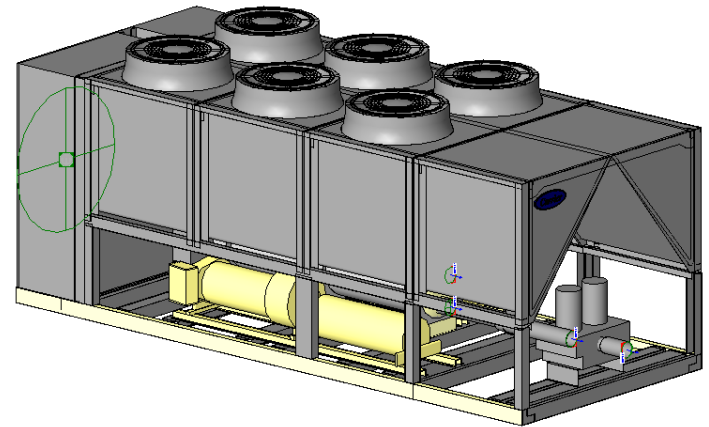
Family Types

Type name: Option116A

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+Kit	☐
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-500BP	☒
OPT116-500HP	☐
Hyd_Kit _structure	☒
15LS/15L	☐
Identity Data	

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



Option 116W

High Pressure Double Pump STD Unit + Pump(HP)

Family Types

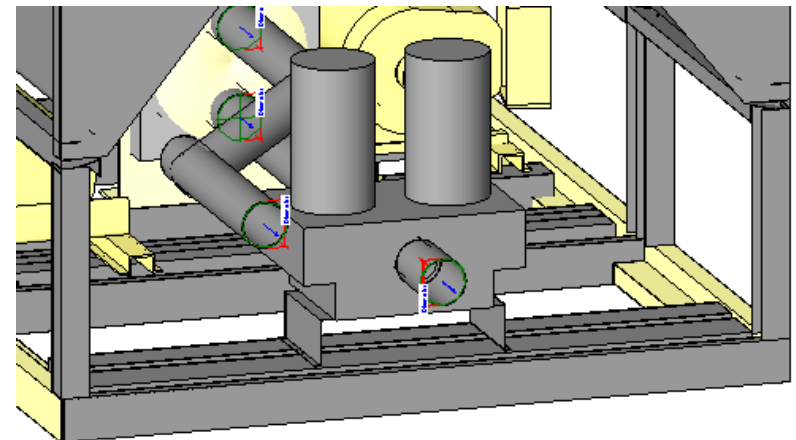
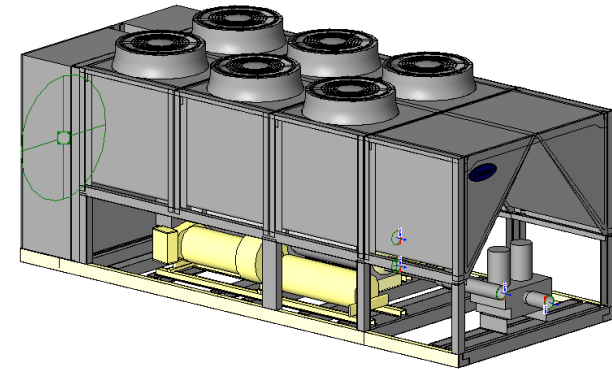
Type name: Option 116W

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+Kit	☐
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-500BP	☐
OPT116-500HP	☒
Hyd_Kit_structure	☒
15LS/15L	☐
Identity Data	

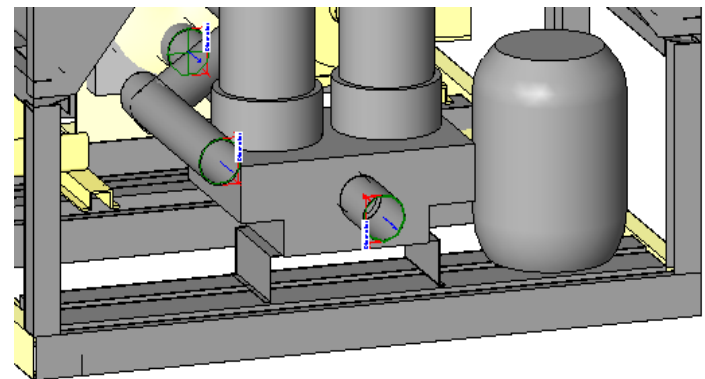
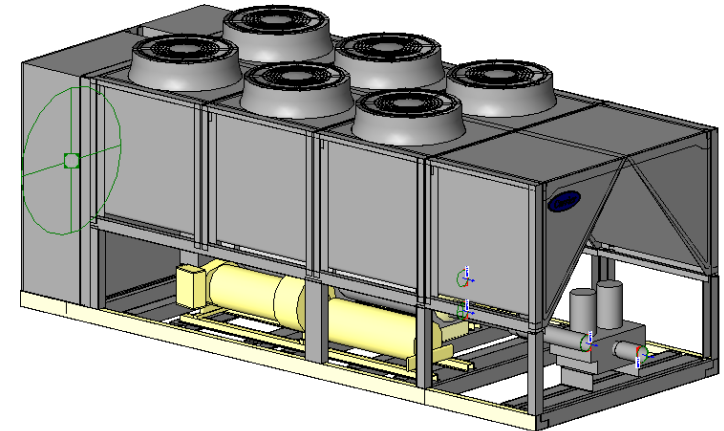
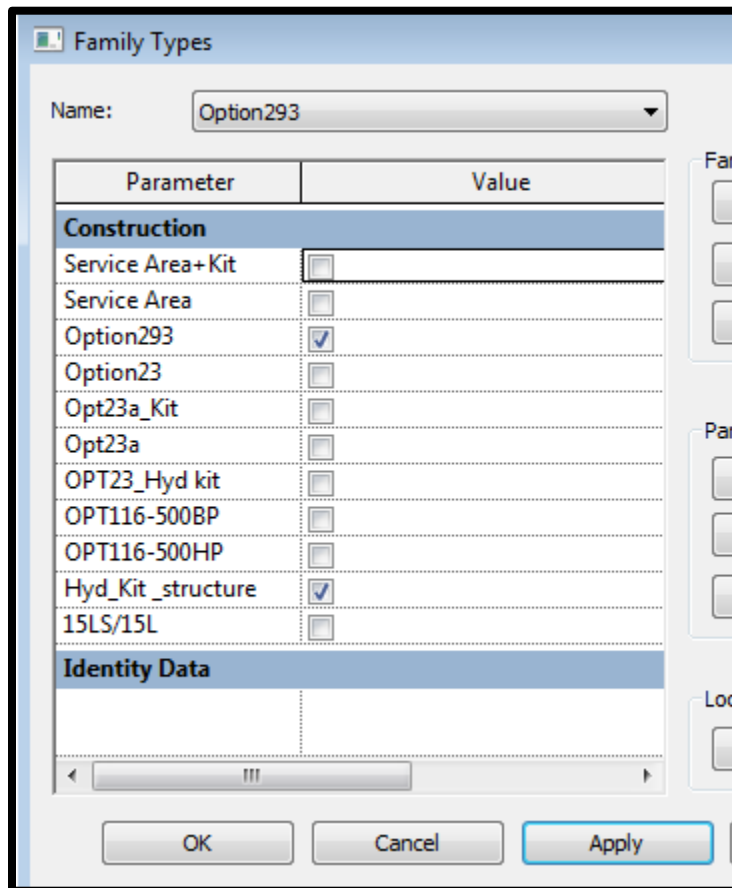
[How do I manage family types?](#) OK



Option 293

Expansion Tank

Standard unit + Hyd Option(500/550 unit) any one + Expansion tank



Option 50

Total Heat Recovery

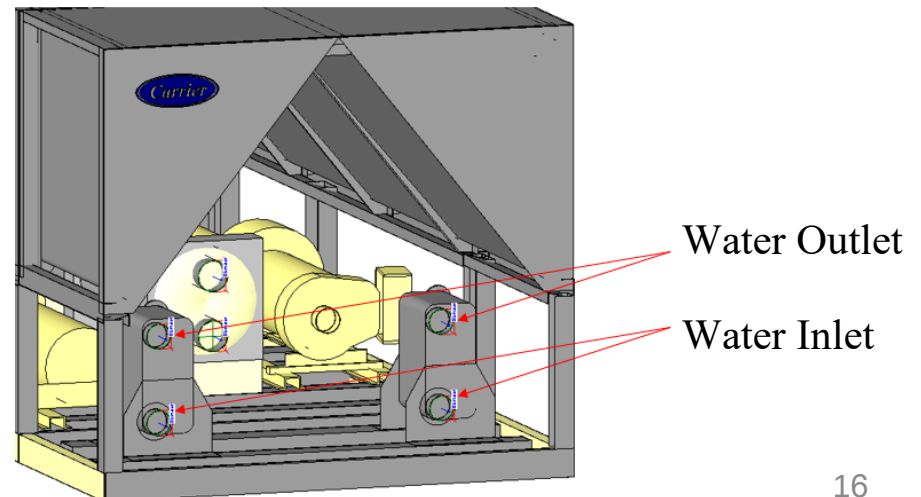
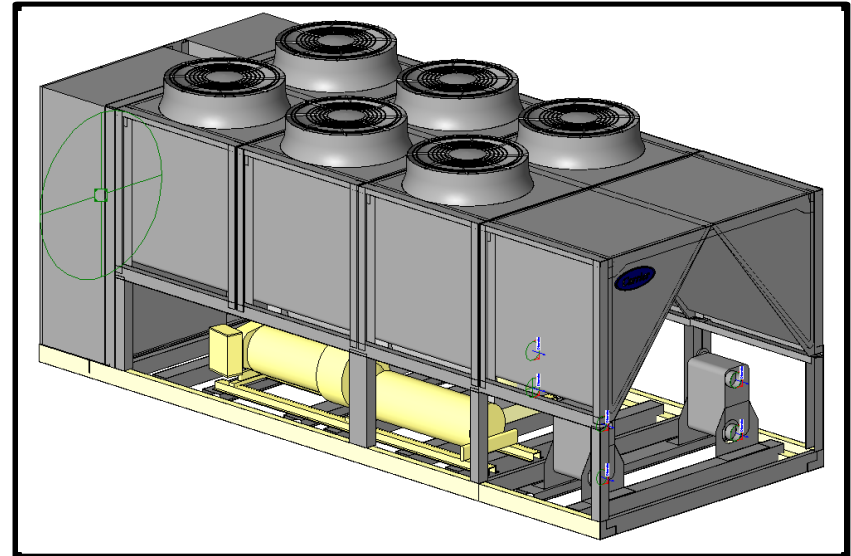
Family Types

Type name: OPT50

Search parameters

Parameter	Value
Construction	
OPT50	☒
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+Kit	☐
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-500BP	☐
OPT116-500HP	☐
Hyd_Kit_structure	☐
15LS/15L	☐
Identity Data	

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Option 49

Partial Heat Recovery

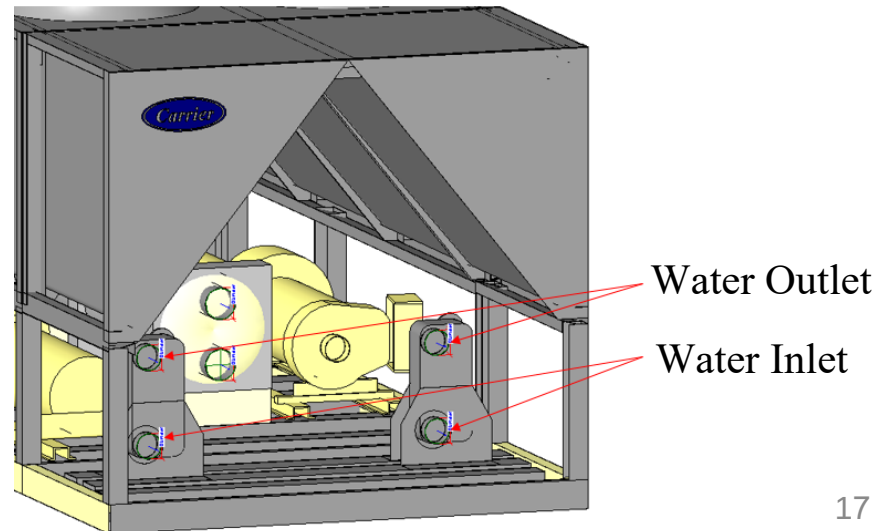
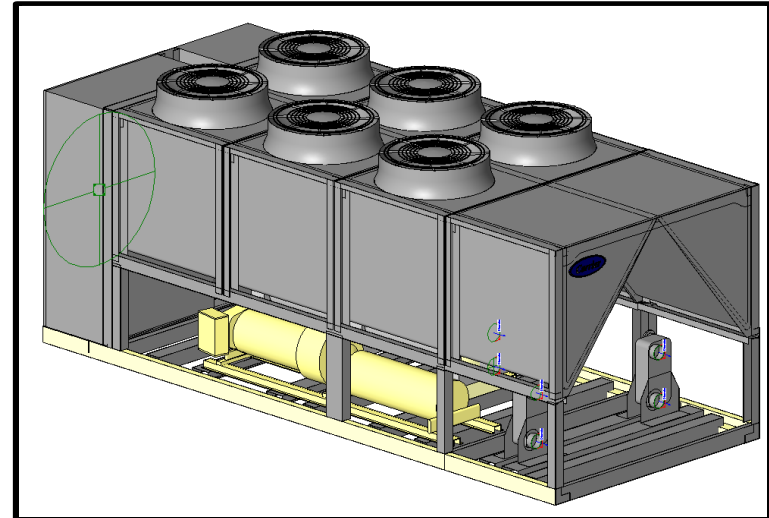
Family Types

Type name: OPT49

Search parameters

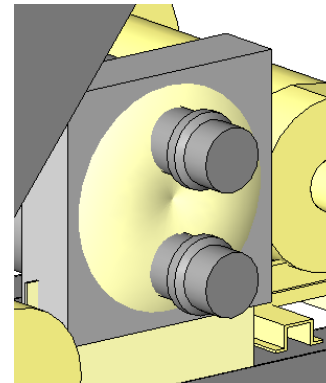
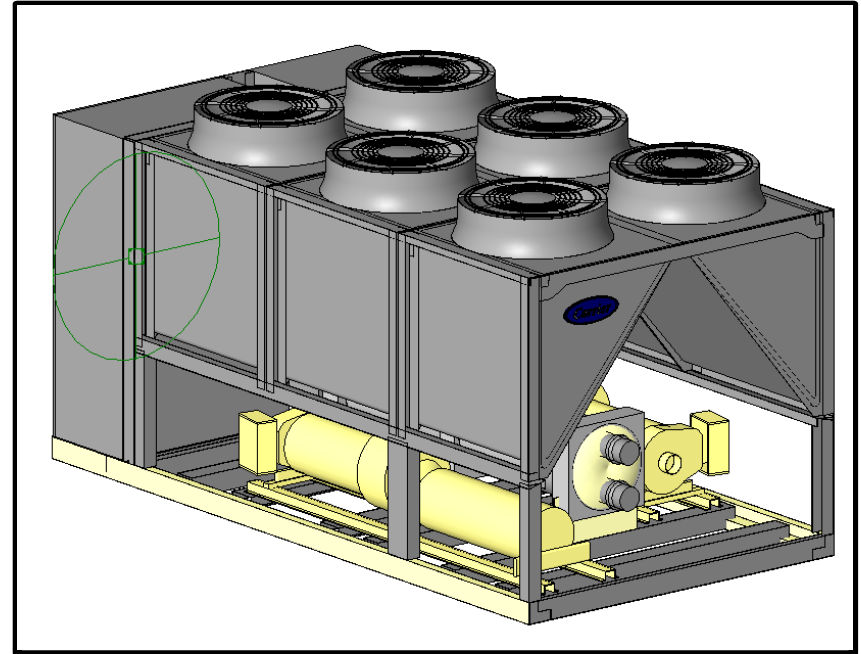
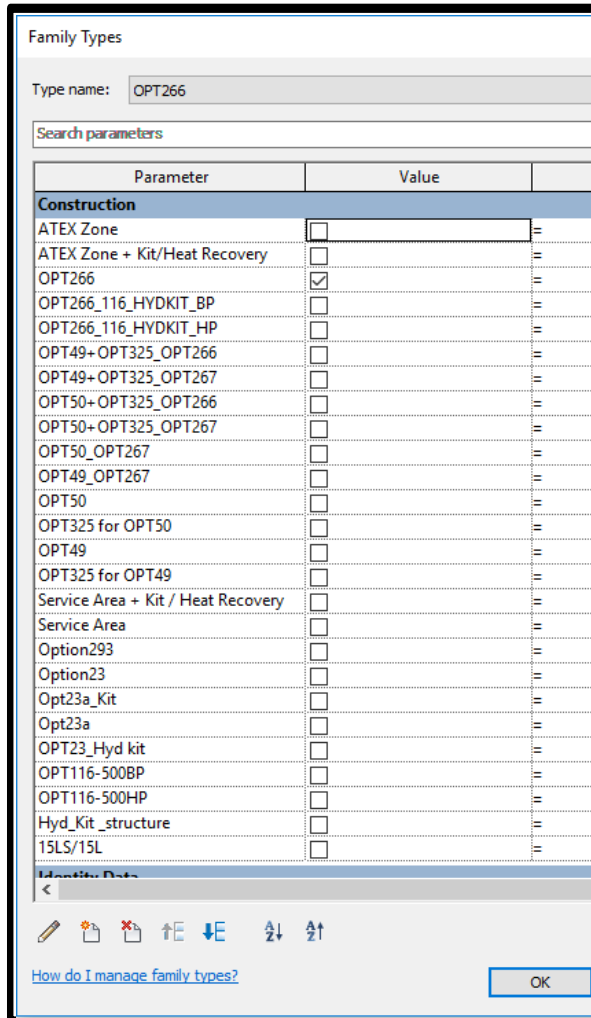
Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☒
OPT325 for OPT49	☐
Service Area+Kit	☐
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-500BP	☐
OPT116-500HP	☐
Hyd_Kit_structure	☐
15LS/15L	☐
Identity Data	

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



Option 266

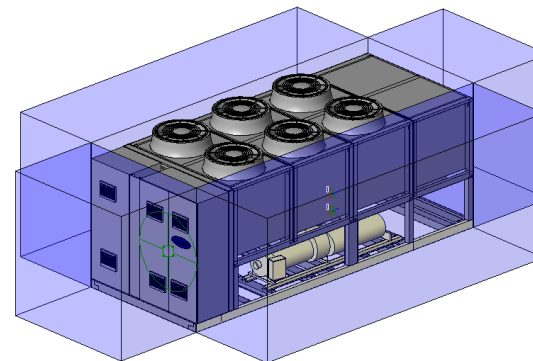
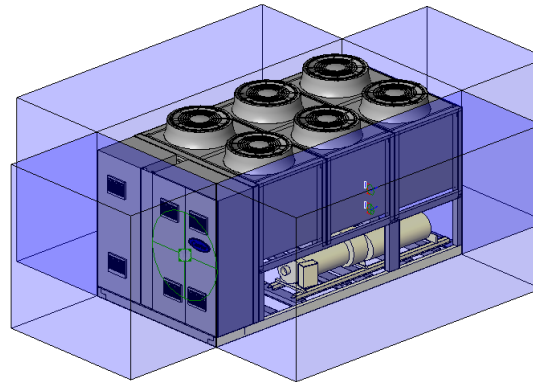
Cooler hydraulic connection



Service Area

Service Area - Standard Unit / HYD Kit / Heat Recovery

STD_Unit



Family Types

Type name: Service area + Heat Recovery

Search parameters

Parameter	Value
Construction	
ATEX Zone	☐
ATEX Zone + Kit / Heat Recovery	☐
OPT266	☐
OPT266_116_HYDKIT_BP	☐
OPT266_116_HYDKIT_HP	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☐
OPT50	☒
OPT325 for OPT50	☒
OPT49	☐
OPT325 for OPT49	☐
Service Area+ Kit / Heat Recovery	☒
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-HP	☐
OPT116-BP	☐
Hyd_Kit_structure	☐
15LS/15L	☐

Family Types

Type name: Service Area+Kit

Search parameters

Parameter	Value
Construction	
ATEX Zone	☐
ATEX Zone + Kit / Heat Recovery	☐
OPT266	☐
OPT266_116_HYDKIT_BP	☐
OPT266_116_HYDKIT_HP	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☐
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+ Kit / Heat Recovery	☒
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-HP	☐
OPT116-BP	☐
Hyd_Kit_structure	☒
15LS/15L	☐

Family Types

Type name: Service Area

Search parameters

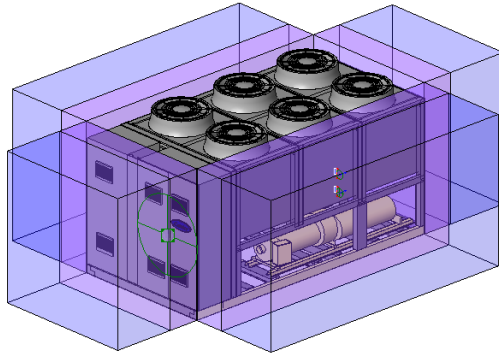
Parameter	Value
Construction	
ATEX Zone	☐
ATEX Zone + Kit / Heat Recovery	☐
OPT266	☐
OPT266_116_HYDKIT_BP	☐
OPT266_116_HYDKIT_HP	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☐
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+ Kit / Heat Recovery	☐
Service Area	☒
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-HP	☐
OPT116-BP	☐
Hyd_Kit_structure	☐
15LS/15L	☐

HYD kit / Heat Recovery

Service Area & ATEX Zone - ZE Units

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

STD_Unit



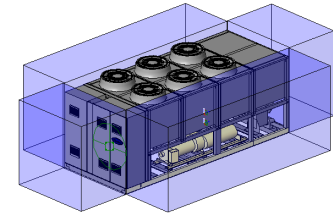
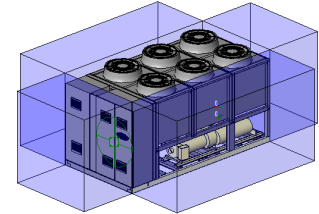
Family Types

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

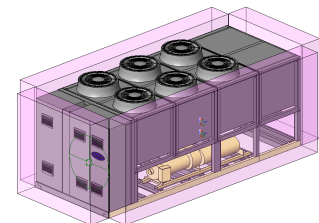
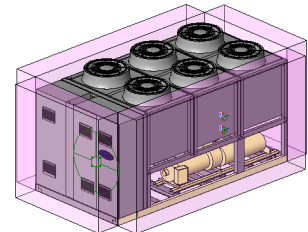
Search parameters

Parameter	Value
Construction	
ATEX Zone	☒
ATEX Zone + Kit / Heat Recovery	☐
OPT266	☐
OPT266_116_HYDKIT_BP	☐
OPT266_116_HYDKIT_HP	☐
OPT49+ OPT325_ OPT266	☐
OPT49+ OPT325_ OPT267	☐
OPT49_ OPT267	☐
OPT50+ OPT325_ OPT266	☐
OPT50+ OPT325_ OPT267	☐
OPT50_ OPT267	☐
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+ Kit / Heat Recovery	☐
Service Area	☒
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-HP	☐
OPT116-BP	☐
Hyd_Kit _structure	☐
15LS/15L	☐

Service area



ATEX Zone



Family Types

Type name: Service area + ATEX Zone + Heat Recovery - Only ZE Units

Search parameters

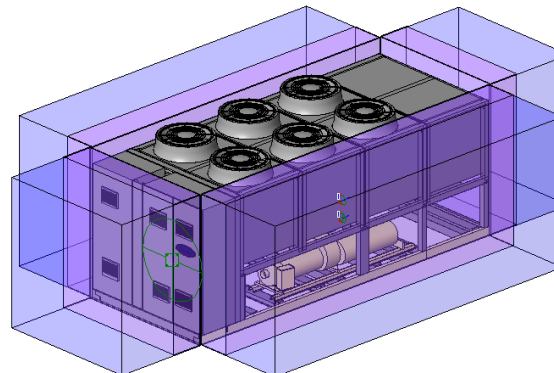
Parameter	Value
Construction	
ATEX Zone	☐
ATEX Zone + Kit / Heat Recovery	☒
OPT266	☐
OPT266_116_HYDKIT_BP	☐
OPT266_116_HYDKIT_HP	☐
OPT49+ OPT325_ OPT266	☐
OPT49+ OPT325_ OPT267	☐
OPT49_ OPT267	☐
OPT50+ OPT325_ OPT266	☐
OPT50+ OPT325_ OPT267	☐
OPT50_ OPT267	☐
OPT50	☒
OPT325 for OPT50	☒
OPT49	☐
OPT325 for OPT49	☐
Service Area+ Kit / Heat Recovery	☒
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-HP	☐
OPT116-BP	☐
Hyd_Kit _structure	☐
15LS/15L	☐

Family Types

Type name: Service area + ATEX Zone + Kit - Only ZE Units

Search parameters

Parameter	Value
Construction	
ATEX Zone	☐
ATEX Zone + Kit / Heat Recovery	☒
OPT266	☐
OPT266_116_HYDKIT_BP	☐
OPT266_116_HYDKIT_HP	☐
OPT49+ OPT325_ OPT266	☐
OPT49+ OPT325_ OPT267	☐
OPT49_ OPT267	☐
OPT50+ OPT325_ OPT266	☐
OPT50+ OPT325_ OPT267	☐
OPT50_ OPT267	☐
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+ Kit / Heat Recovery	☒
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-HP	☐
OPT116-BP	☐
Hyd_Kit _structure	☒
15LS/15L	☐



HYD kit / Heat Recovery

Dual Combo Units

30KAV/30KAVZE REVIT DATABASE

30KAV / 30KAVZE RANGE

Options Combinations

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

30KAV0550/ 30KAVZE0400

x

x

x

x

x

x

x

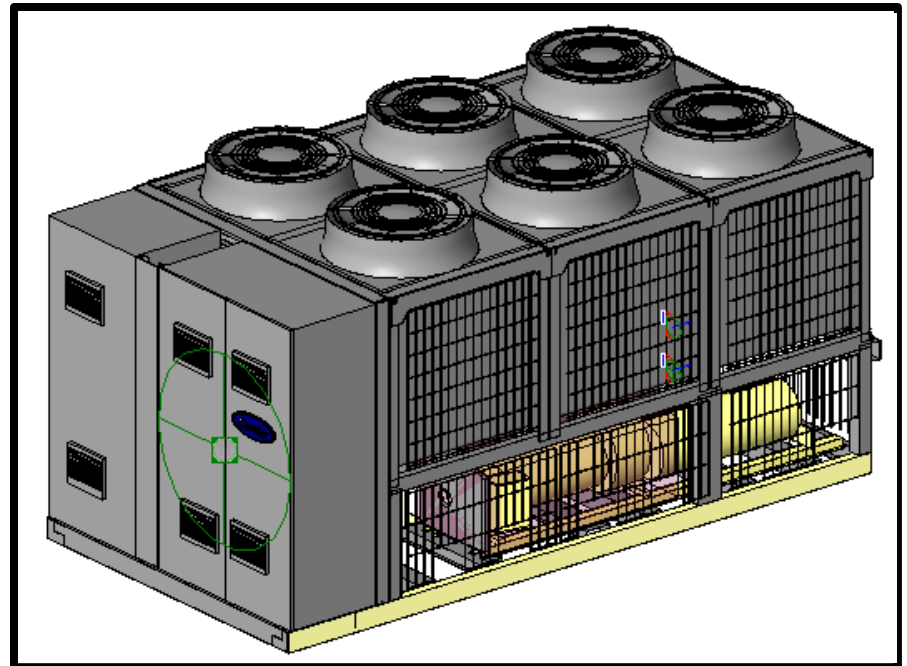
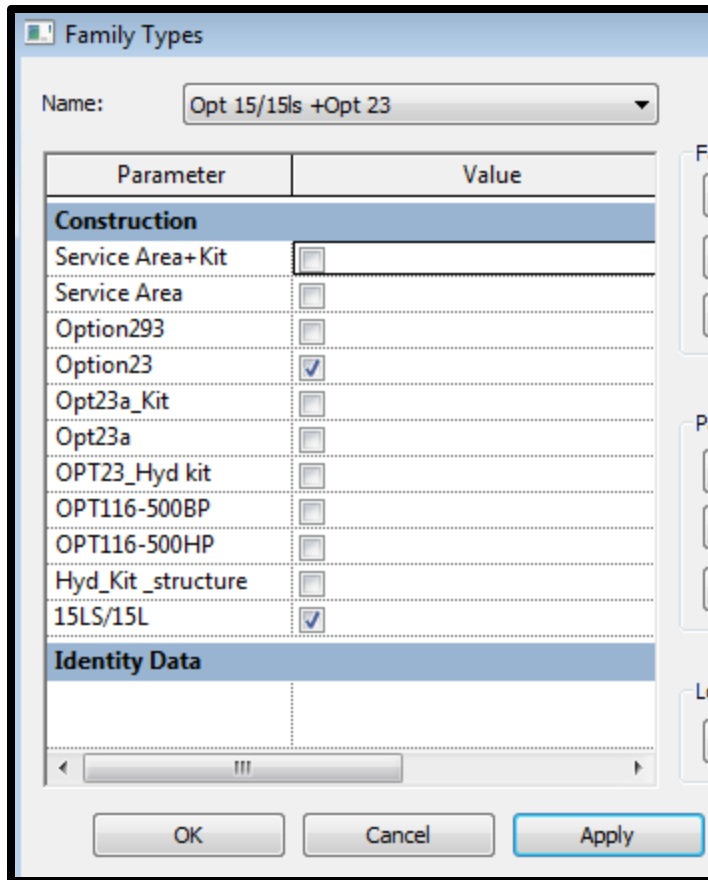
x

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

- 1) In this slide only Opt23 is shown. Same way Opt23a is also configured.



Option 116A+Option15/15LS

Family Types

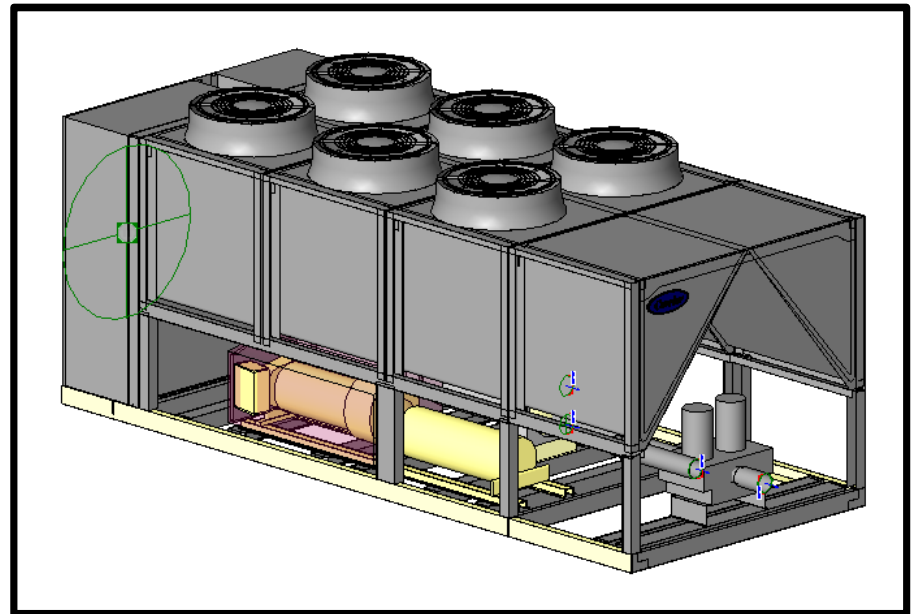
Type name: Option 15L/LS+116A

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+Kit	☐
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-500BP	☒
OPT116-500HP	☐
Hyd_Kit_structure	☒
15LS/15L	☒
Identity Data	

How do I manage family types?

OK



Option 116W+Option15/15LS

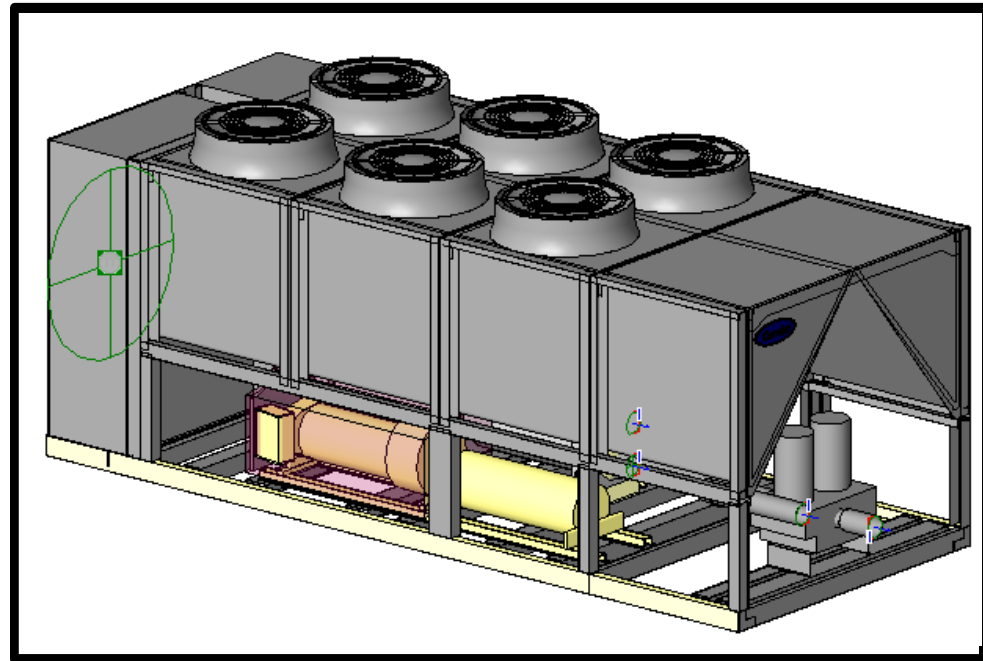
Family Types

Type name: Option15L/LS+116W

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+ Kit	☐
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-500BP	☐
OPT116-500HP	☒
Hyd_Kit _structure	☒
15LS/15L	☒
Identity Data	

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



Option 116A+Option23

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

Family Types

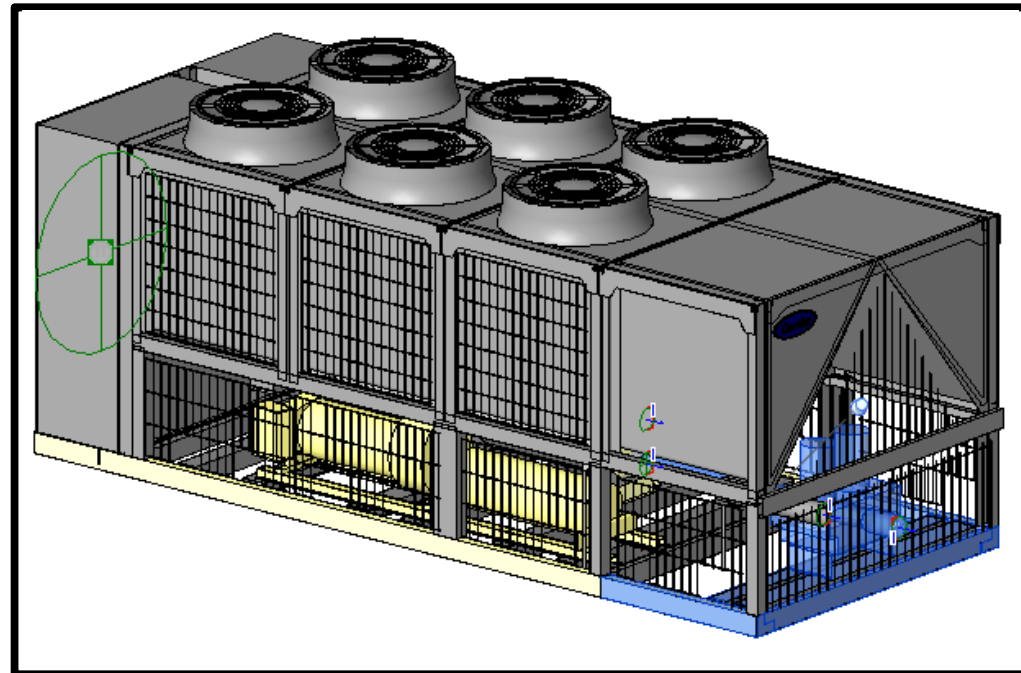
Type name: Option23+116A

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+Kit	☐
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☒
OPT116-500BP	☒
OPT116-500HP	☐
Hyd_Kit_structure	☒
15LS/15L	☐
Identity Data	

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



Option 116A+Option23a

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

Family Types

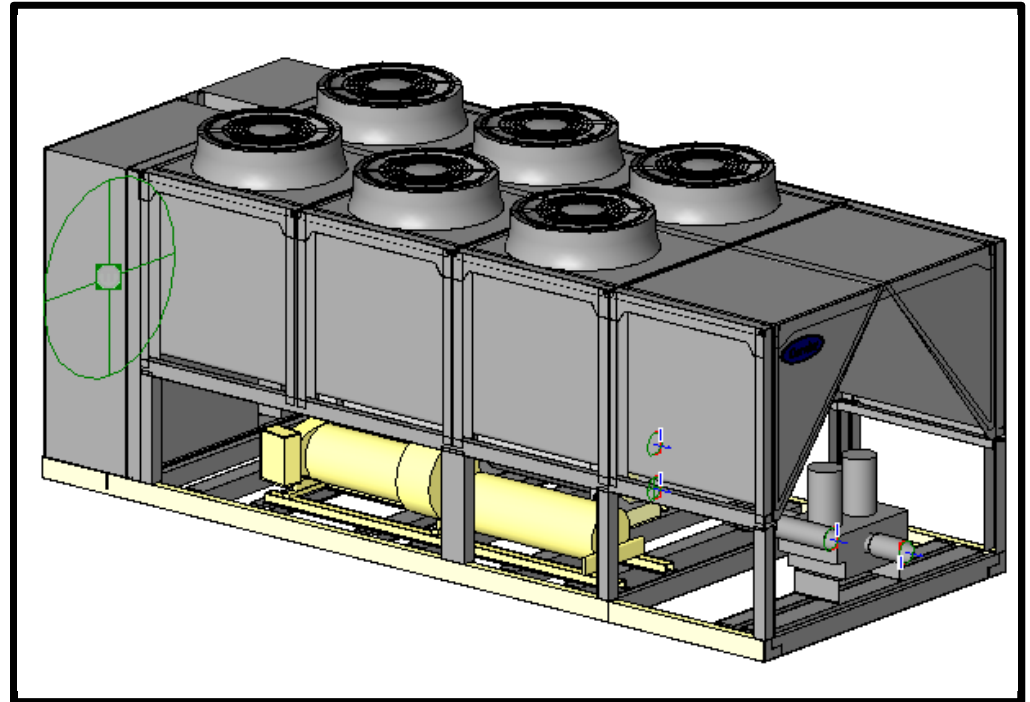
Type name: Option23a+116A

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+Kit	☐
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☒
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-500BP	☒
OPT116-500HP	☐
Hyd_Kit_structure	☒
15LS/15L	☐
Identity Data	

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



Option 116+Option293

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

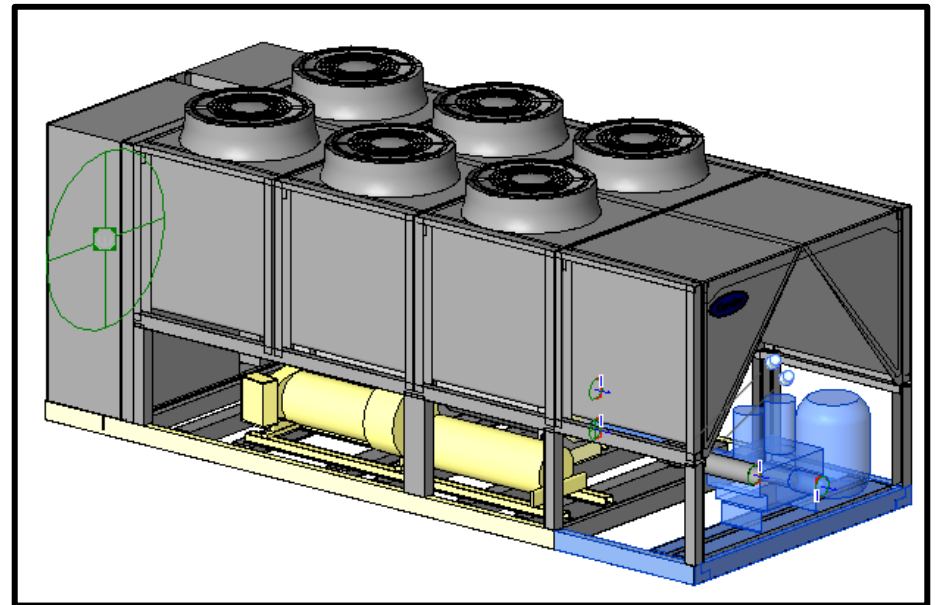
Family Types

Type name: Option 116A + Option 293

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+Kit	☐
Service Area	☐
Option293	☒
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-500BP	☒
OPT116-500HP	☐
Hyd_Kit_structure	☒
15LS/15L	☐
Identity Data	

How do I manage family types? OK



Option50 + Option325

Family Types

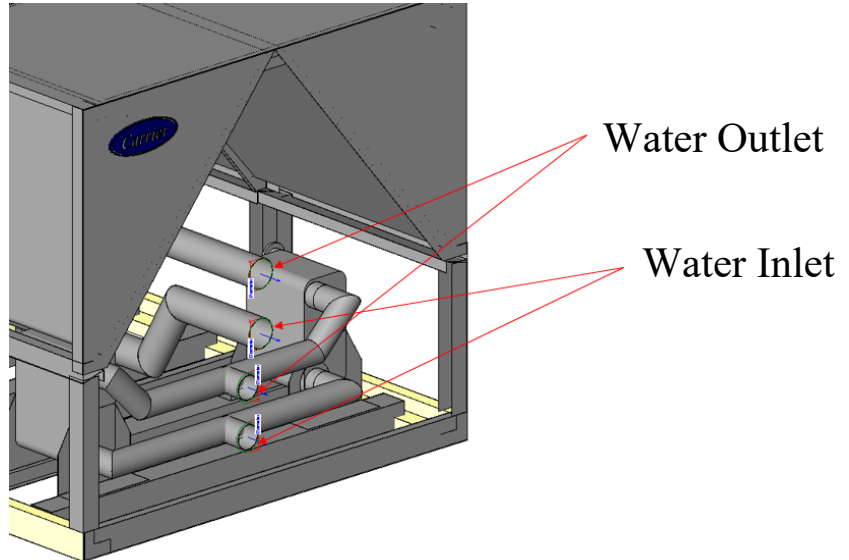
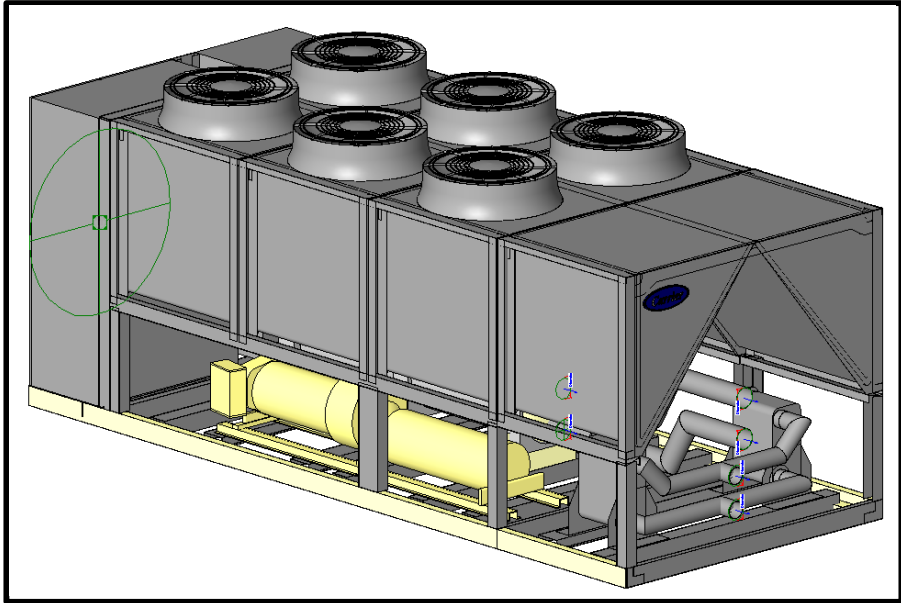
Type name: OPT50 + OPT325

Search parameters

Parameter	Value	
Construction		
OPT50	☒	=
OPT325 for OPT50	☒	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area+Kit	☐	=
Service Area	☐	=
Option293	☐	=
Option23	☐	=
Opt23a_Kit	☐	=
Opt23a	☐	=
OPT23_Hyd kit	☐	=
OPT116-500BP	☐	=
OPT116-500HP	☐	=
Hyd_Kit _structure	☐	=
15LS/15L	☐	=
Identity Data		

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

OK



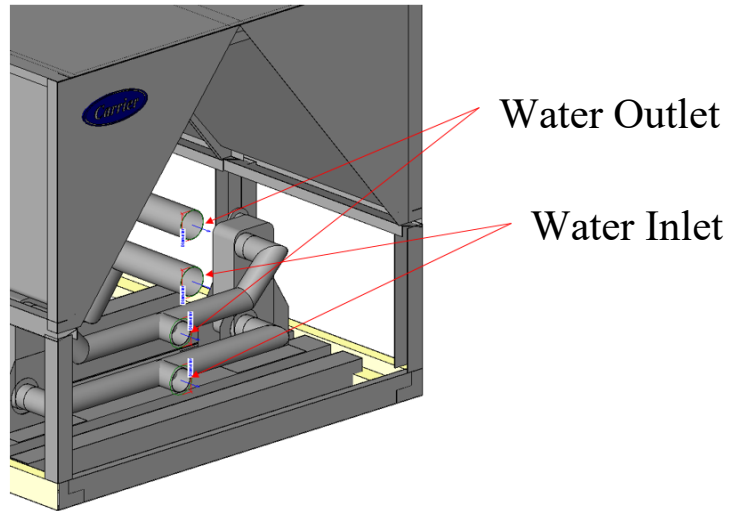
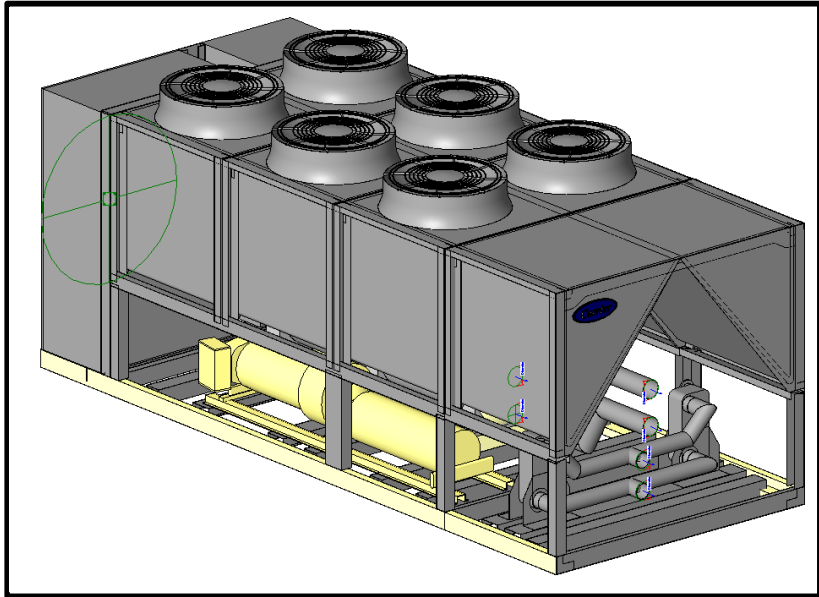
Option49 + Option325

Family Types

Type name:

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☒	=
OPT325 for OPT49	☒	=
Service Area+ Kit	☐	=
Service Area	☐	=
Option293	☐	=
Option23	☐	=
Opt23a_Kit	☐	=
Opt23a	☐	=
OPT23_Hyd kit	☐	=
OPT116-500BP	☐	=
OPT116-500HP	☐	=
Hyd_Kit _structure	☐	=
15LS/15L	☐	=
Identity Data		

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



Option 116 + Option 266

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

Family Types

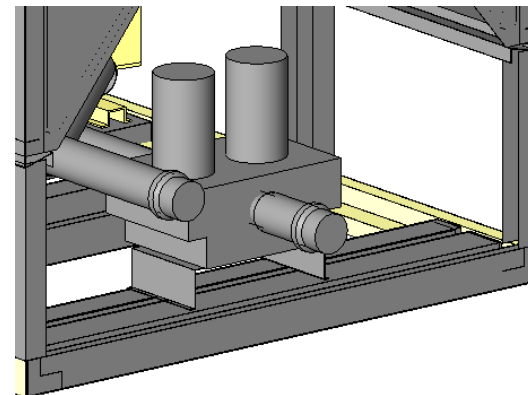
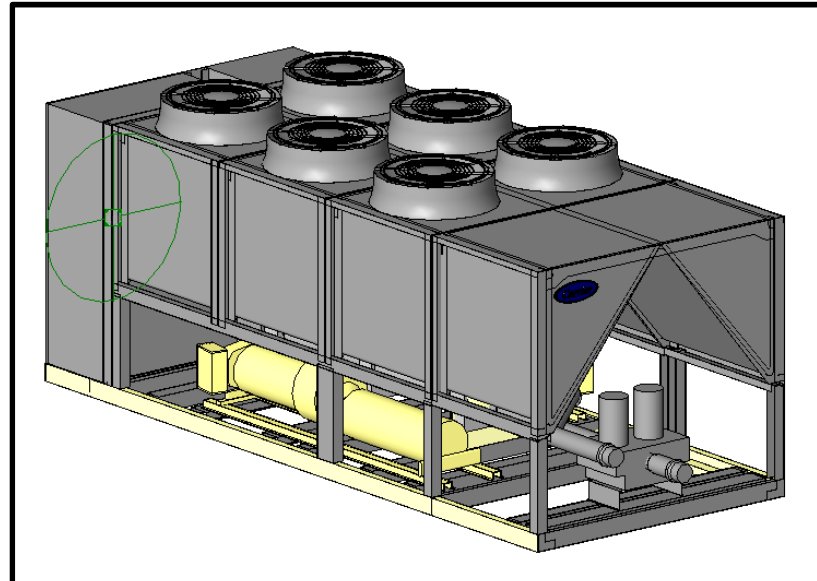
Type name: OPT116A + OPT266

Search parameters

Parameter	Value
Construction	
ATEX Zone	☐
ATEX Zone + Kit / Heat Recovery	☐
OPT266	☐
OPT266_116_HYDKIT_BP	☒
OPT266_116_HYDKIT_HP	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☐
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+ Kit / Heat Recovery	☐
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-HP	☐
OPT116-BP	☒
Hyd_Kit_structure	☒
15LS/15L	☐

How do I manage family types?

OK



Triple Combo Units

30KAV / 30KAVZE REVIT DATABASE

30KAV / 30KAVZE 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
30KAV0550 / 30KAVZE0400	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

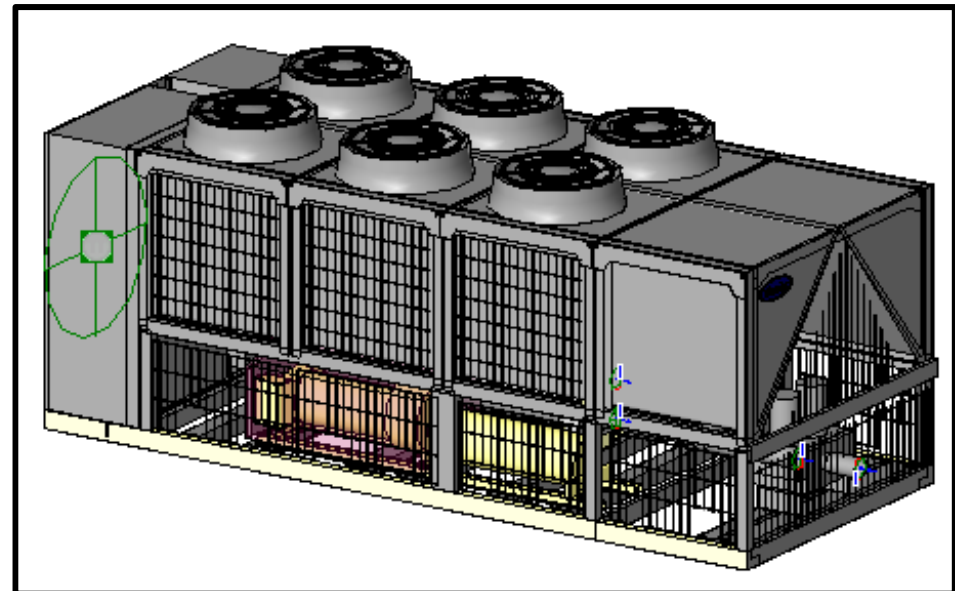
Type name: Opt 15L/15LS+Opt23 + Opt116A

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+ Kit	☐
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☒
OPT116-500BP	☒
OPT116-500HP	☐
Hyd_Kit _structure	☒
15LS/15L	☒
Identity Data	

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



Option 15L/15LS+Option293 + Option116

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

Family Types

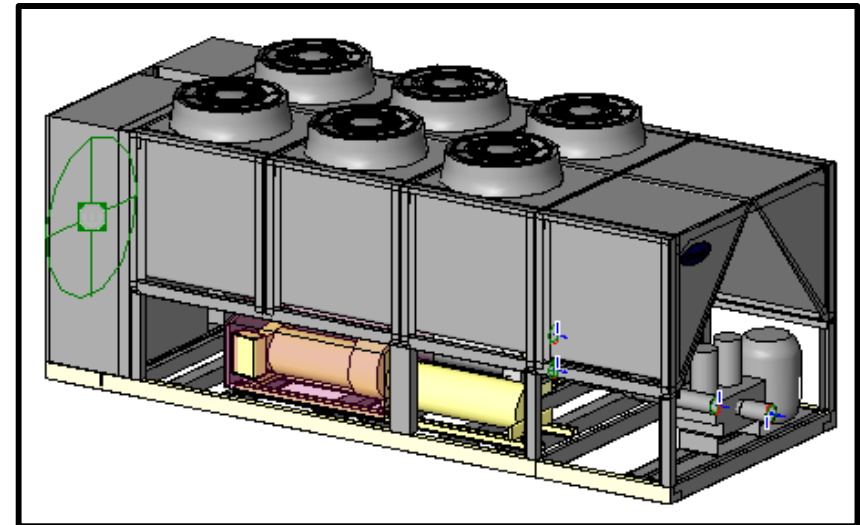
Type name: Opt 15L/LS + OPT293+Opt116A

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option_23	☐
Option293	☒
Option23a	☐
OPT116-500BP	☒
OPT116-500HP	☐
15LS/15L	☒
Identity Data	

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



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

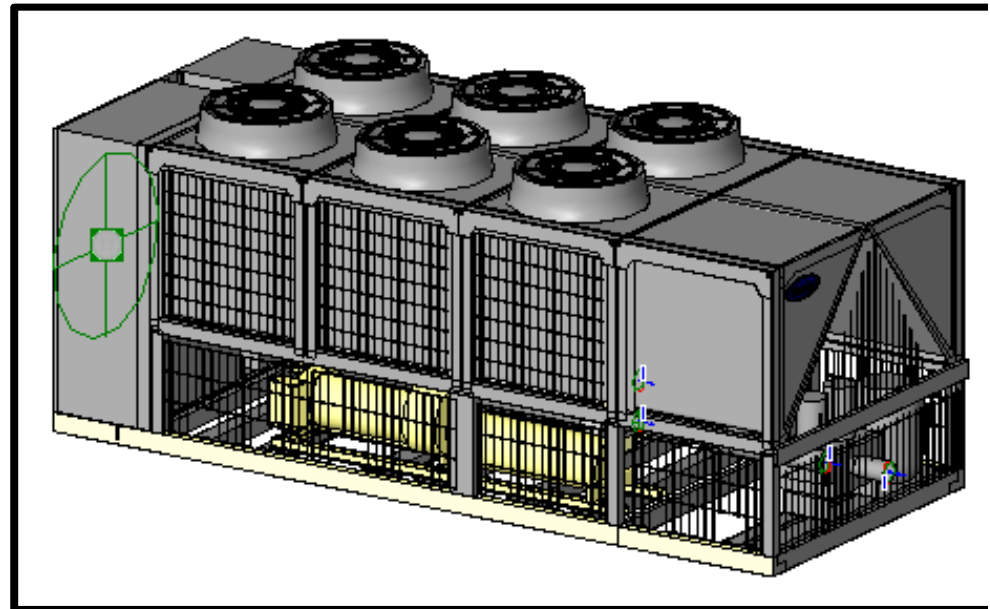
Type name: Opt 23+Opt293+ Opt116A

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+ Kit	☐
Service Area	☐
Option293	☒
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☒
OPT116-500BP	☒
OPT116-500HP	☐
Hyd_Kit _structure	☒
15LS/15L	☐
Identity Data	

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



OPT 50 + OPT 266 + Opt267

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

Family Types

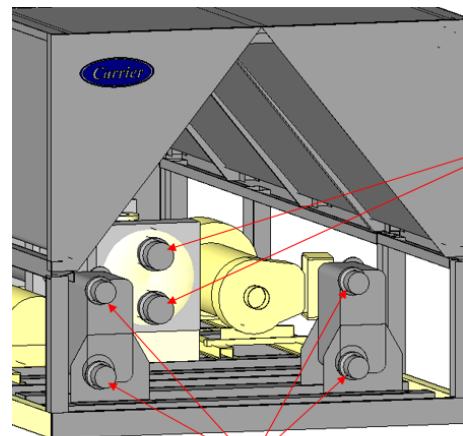
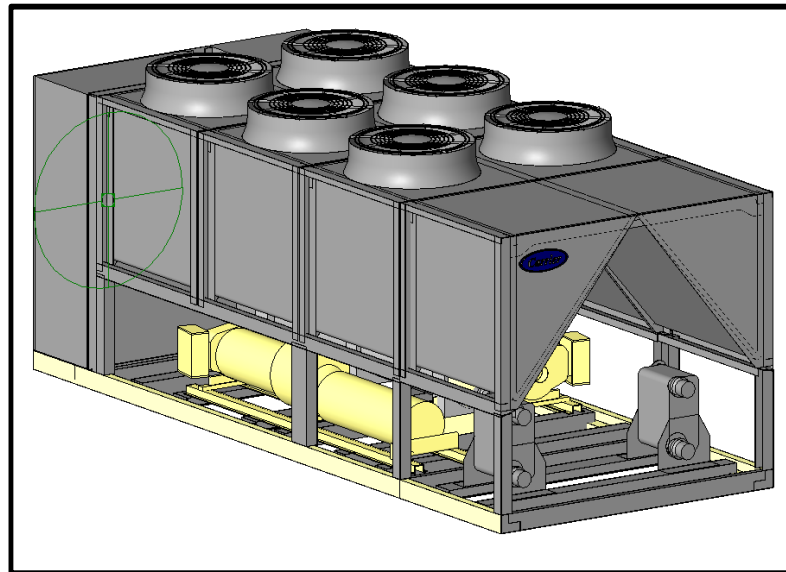
Type name: OPT50 + OPT266 + OPT267

Search parameters

Parameter	Value
Construction	
ATEX Zone	☐
ATEX Zone + Kit / Heat Recovery	☐
OPT266	☒
OPT266_116_HYDKIT_BP	☐
OPT266_116_HYDKIT_HP	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☒
OPT50	☒
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+ Kit / Heat Recovery	☐
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-HP	☐
OPT116-BP	☐
Hyd_Kit_structure	☐
15LS/15L	☐

How do I manage family types?

OK



Opt 266

Opt 267

4 Combo Units

<i>30KAV / 30KAVZE REVIT DATABASE</i>				
<u>30KAV / 30KAVZE</u> <u>RANGE</u>	<u>Options Combinations</u>			
	Opt 15L/LS + OPT23+Opt116+OPT293	Opt 15L/LS + OPT23a+Opt116+OPT293	Opt 50 + Opt 325 + Opt266 + Opt267	Opt 49 + Opt 325 + Opt266 + Opt267
30KAV0550 / 30KAVZE0400	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. Same way 116W is also configured.
- 2) Similar way Opt 23a is also configured

Family Types

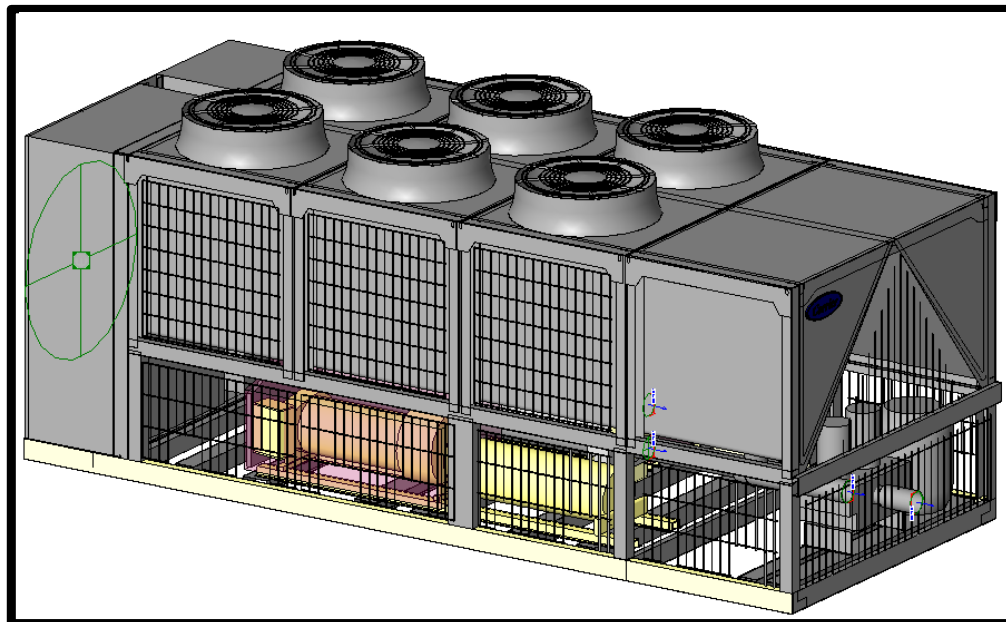
Type name: Opt 15L/LS + OPT23+Opt116A+OPT293

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area+ Kit	☐
Service Area	☐
Option293	☒
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☒
OPT116-500BP	☒
OPT116-500HP	☐
Hyd_Kit _structure	☒
15LS/15L	☒
Identity Data	

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



OPT 50 + OPT325 + OPT 266 + Opt267

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

Family Types

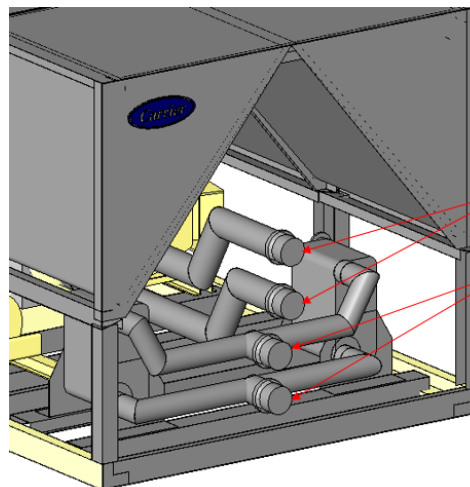
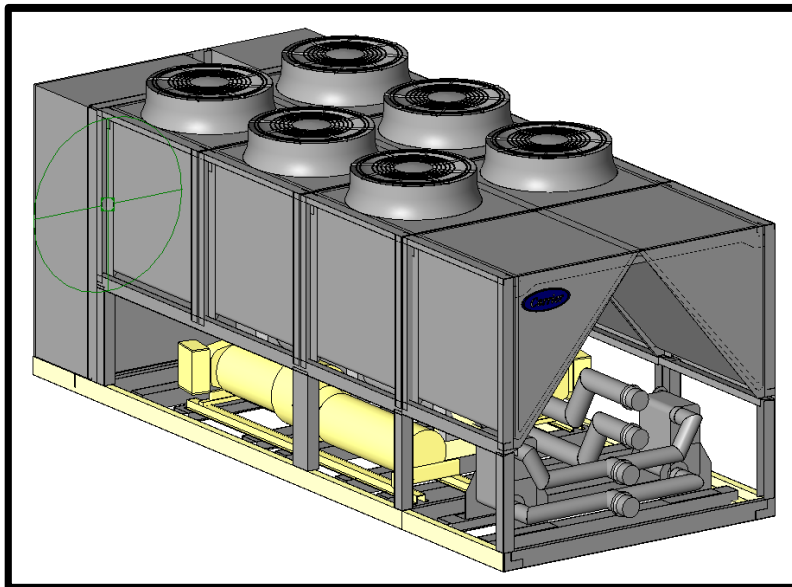
Type name: OPT50 + OPT325 + OPT266 + OPT267

Search parameters

Parameter	Value
Construction	
ATEX Zone	☐
ATEX Zone + Kit / Heat Recovery	☐
OPT266	☐
OPT266_116_HYDKIT_BP	☐
OPT266_116_HYDKIT_HP	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☒
OPT50+OPT325_OPT267	☒
OPT50_OPT267	☐
OPT50	☒
OPT325 for OPT50	☒
OPT49	☐
OPT325 for OPT49	☐
Service Area+ Kit / Heat Recovery	☐
Service Area	☐
Option293	☐
Option23	☐
Opt23a_Kit	☐
Opt23a	☐
OPT23_Hyd kit	☐
OPT116-HP	☐
OPT116-BP	☐
Hyd_Kit_structure	☐
15LS/15L	☐

How do I manage family types?

OK



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.

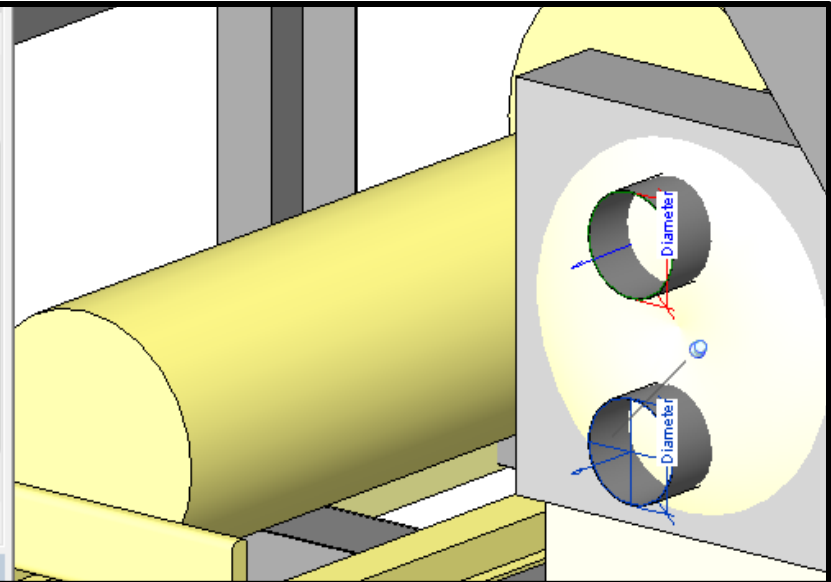
Cooler Inlet / Outlet

Connector Element (1)  Edit Type

Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	In
Loss Method	Not Defined
Allow Slope Adjustments	☐
System Classification	Hydronic Supply
Mechanical - Flow	
Flow	0.000 GPM
Pressure Drop	0.000 psi
Dimensions	
Diameter	141.3
Identity Data	
Utility	☐
Connector Description	Water_Inlet

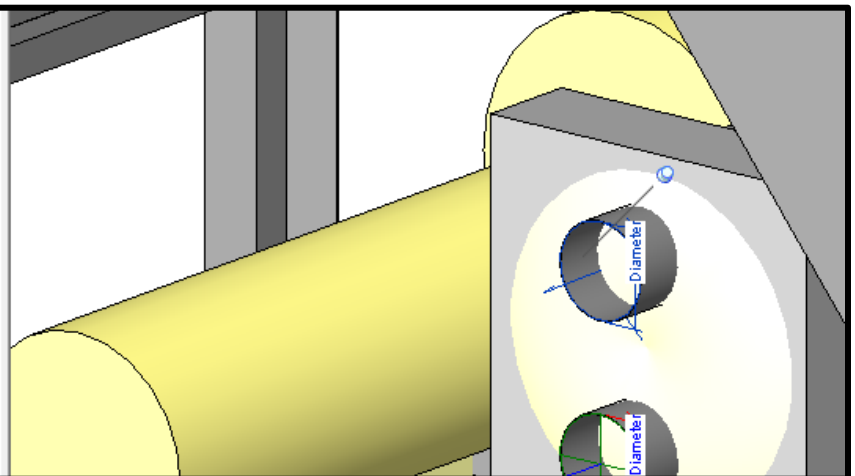
[Properties help](#) 

Project Browser - 550 

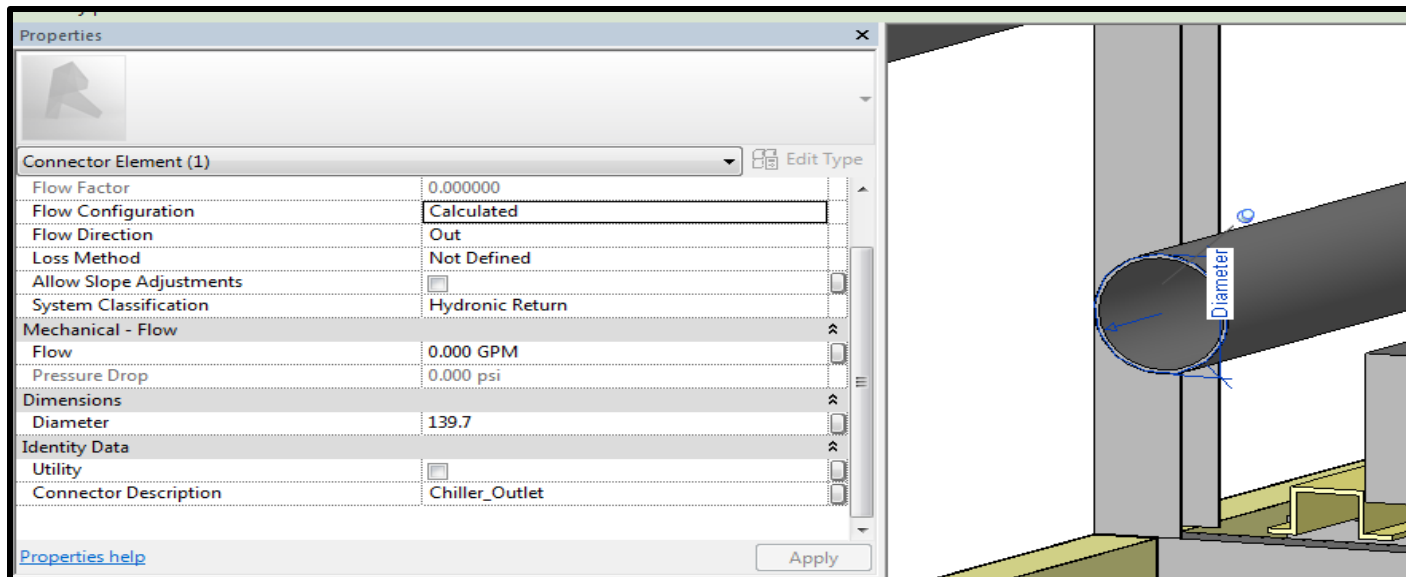
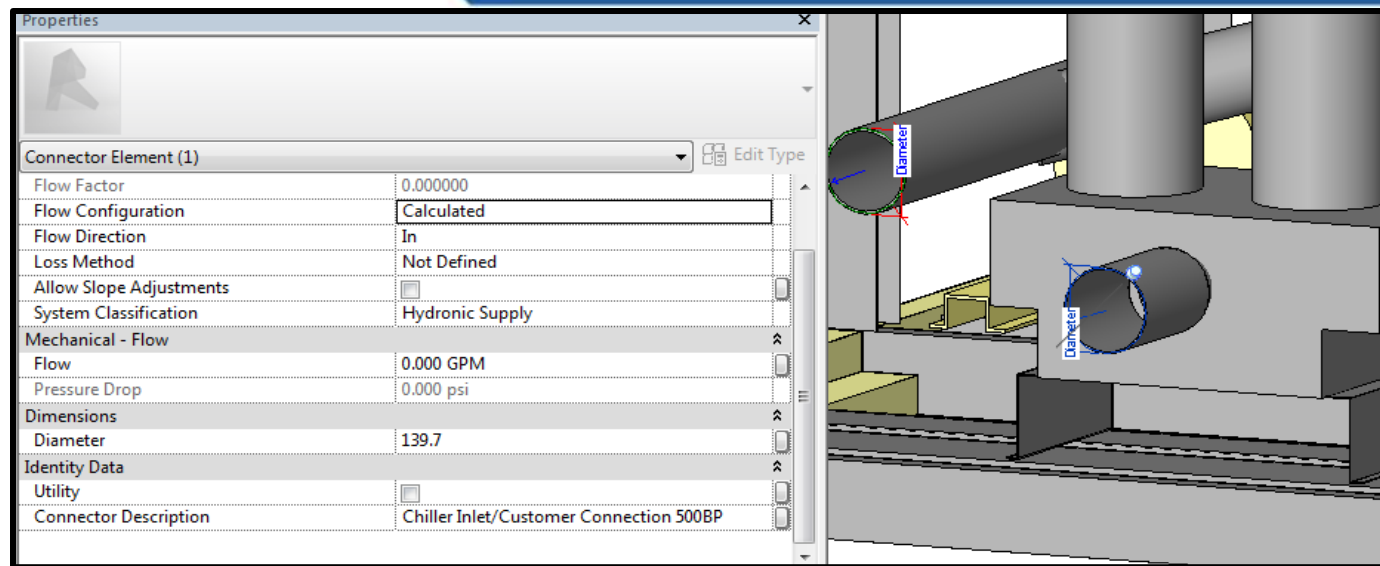


Connector Element (1)  Edit Type

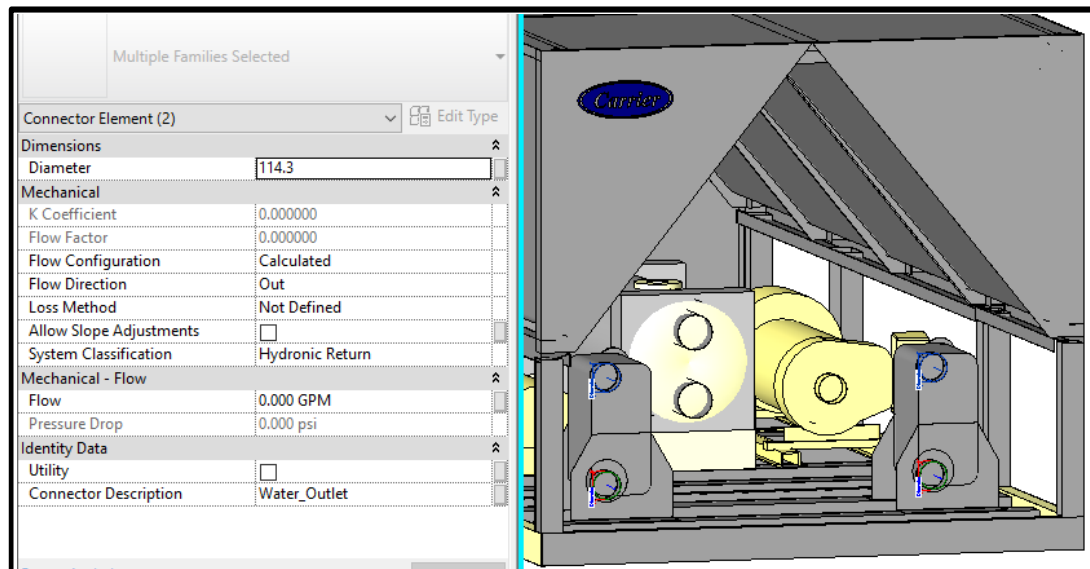
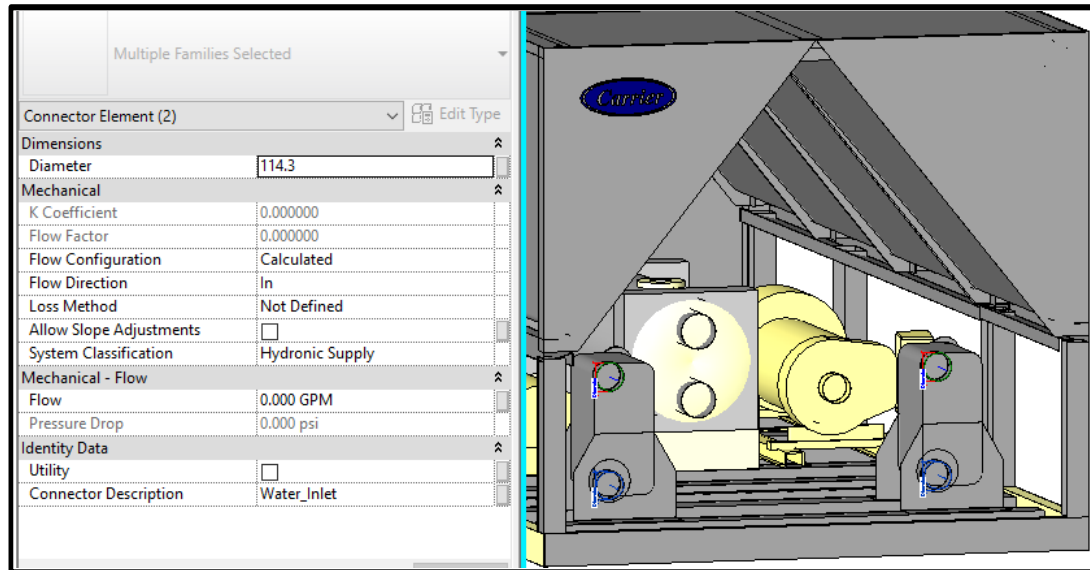
Flow Configuration	Calculated
Flow Direction	Out
Loss Method	Not Defined
Allow Slope Adjustments	☐
System Classification	Hydronic Return
Mechanical - Flow	
Flow	0.000 GPM
Pressure Drop	0.000 psi
Dimensions	
Diameter	141.3
Identity Data	
Utility	☐
Connector Description	Water_Outlet



Chiller Inlet / Outlet (Customer Connection)



Total Heat Recovery (Opt50) Inlet / Outlet

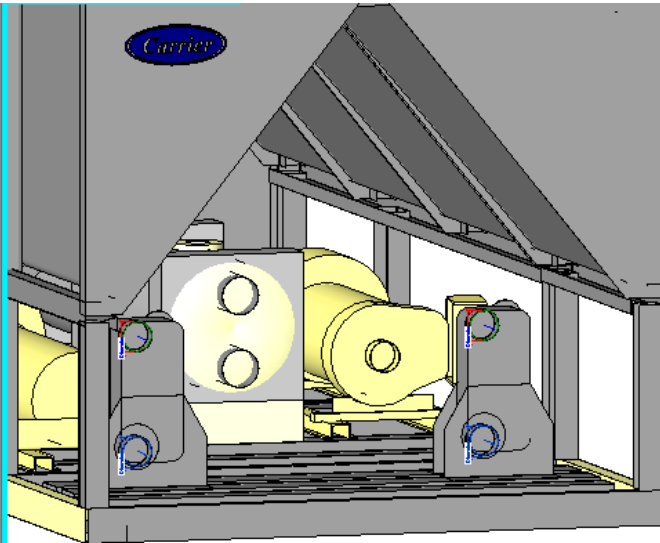


Partial Heat Recovery (Opt49) Inlet / Outlet

Multiple Families Selected

Connector Element (2)  Edit Type

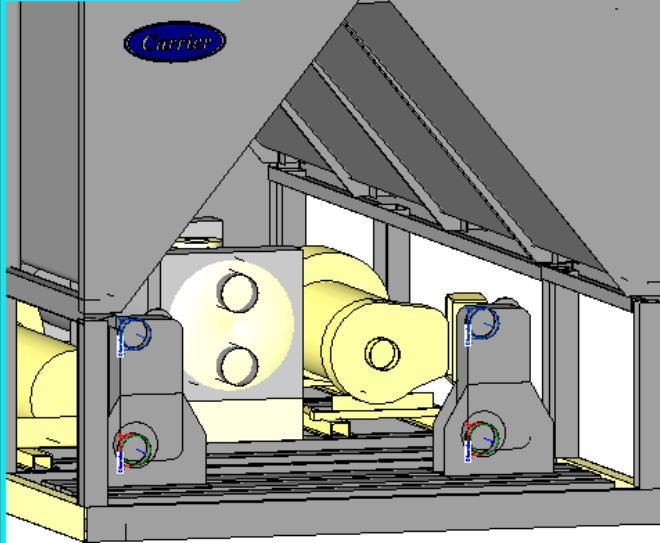
Dimensions	
Diameter	114.3
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	In
Loss Method	Not Defined
Allow Slope Adjustments	☐
System Classification	Hydronic Supply
Mechanical - Flow	
Flow	0.000 GPM
Pressure Drop	0.000 psi
Identity Data	
Utility	☐
Connector Description	Water_Inlet



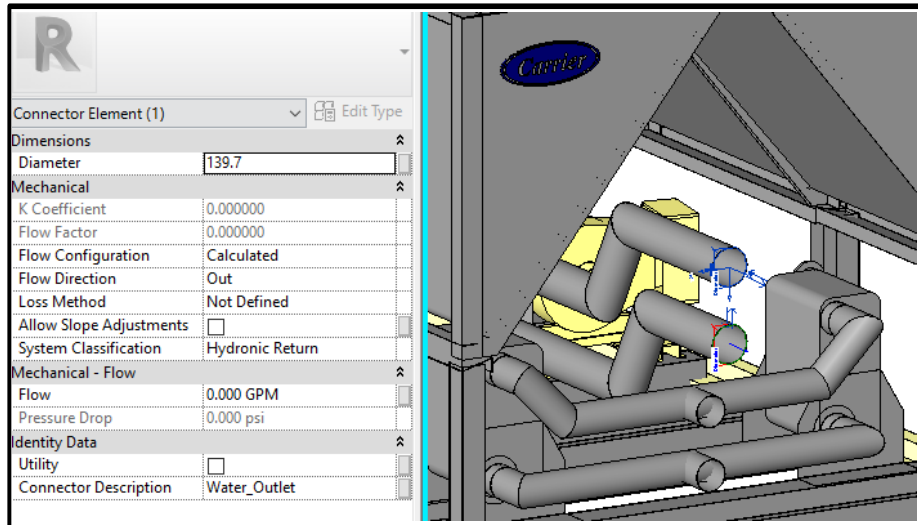
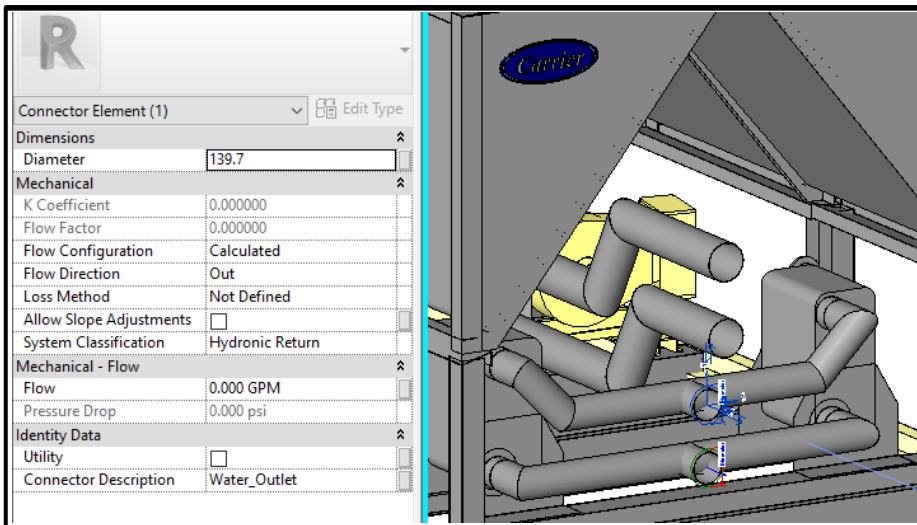
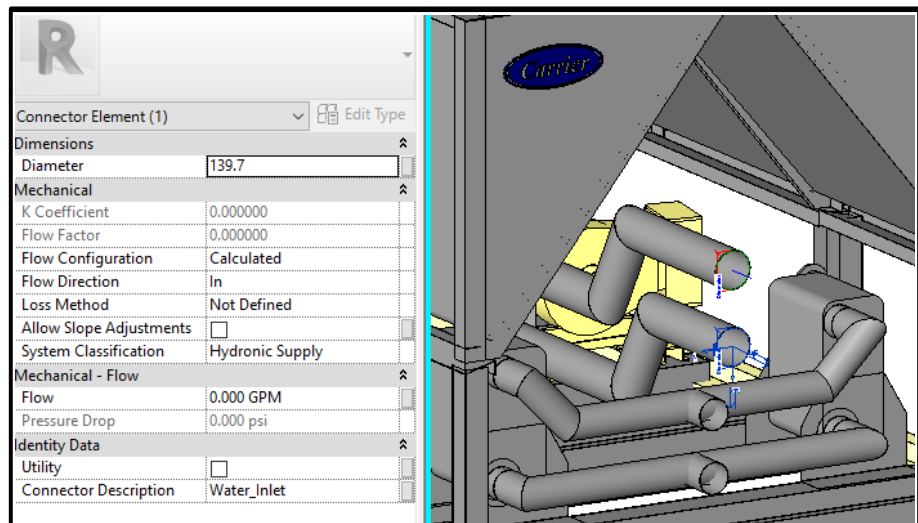
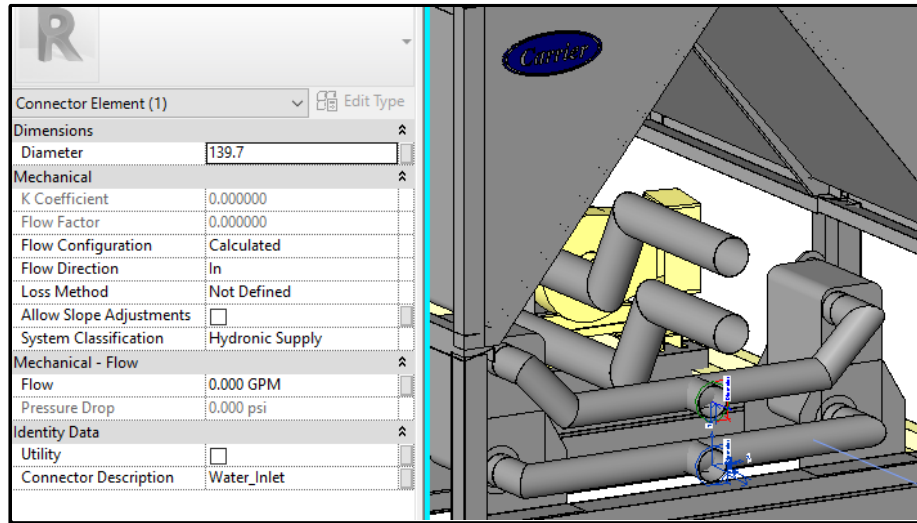
Multiple Families Selected

Connector Element (2)  Edit Type

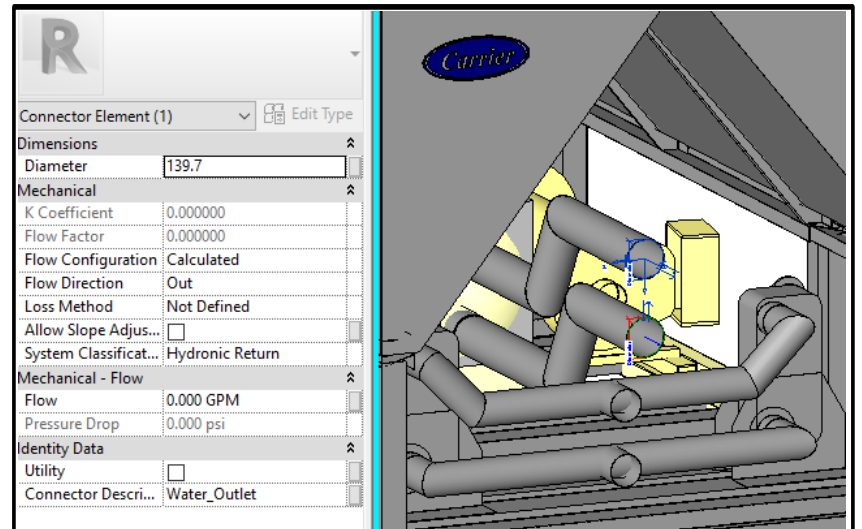
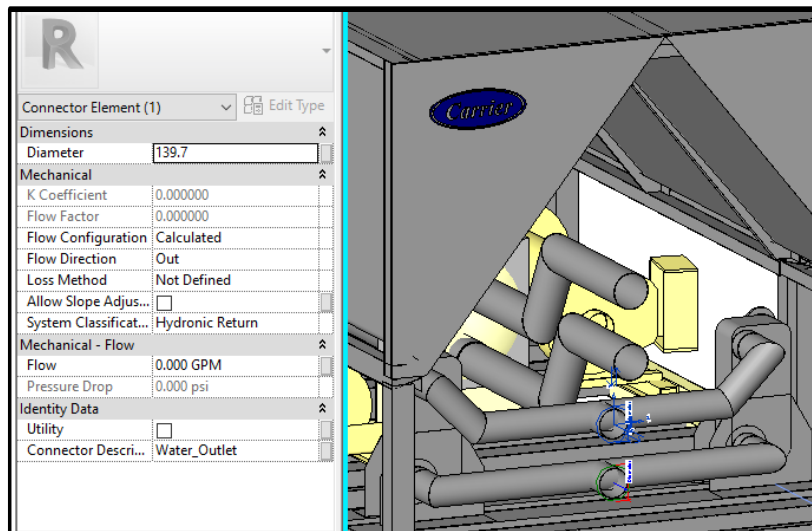
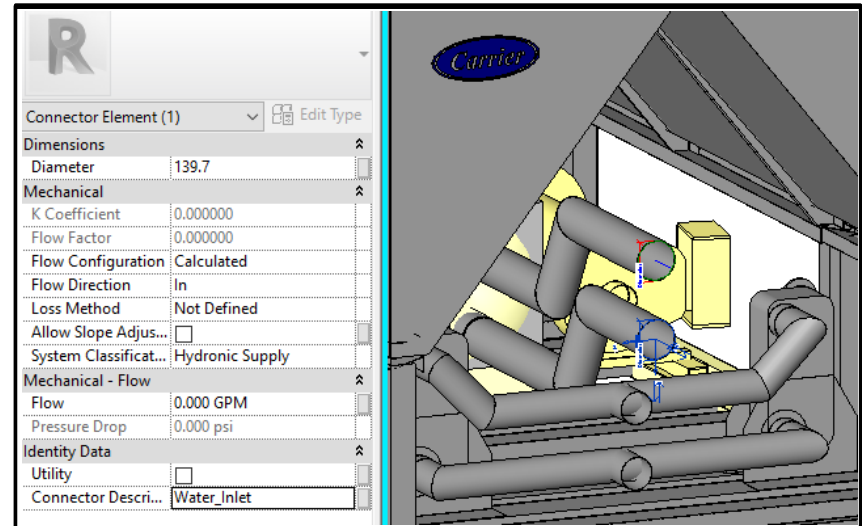
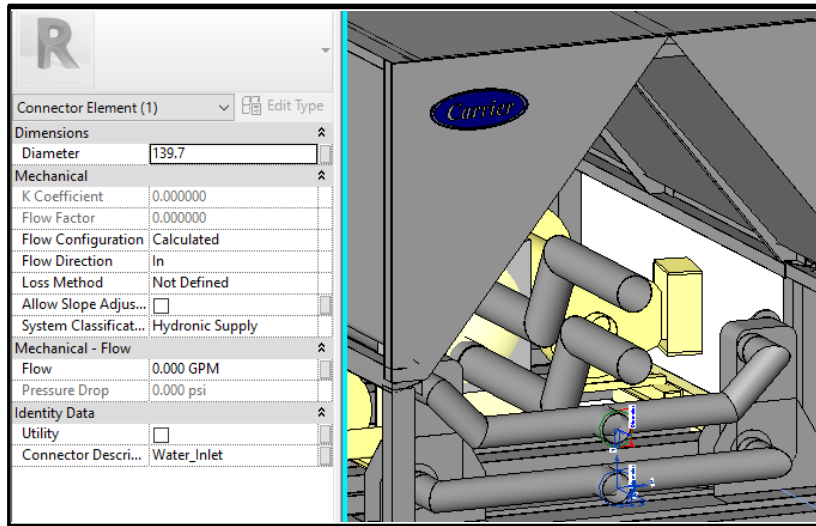
Dimensions	
Diameter	114.3
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	Out
Loss Method	Not Defined
Allow Slope Adjustments	☐
System Classification	Hydronic Return
Mechanical - Flow	
Flow	0.000 GPM
Pressure Drop	0.000 psi
Identity Data	
Utility	☐
Connector Description	Water_Outlet



Total Heat Recovery (Opt50) + Opt325 Inlet / Outlet

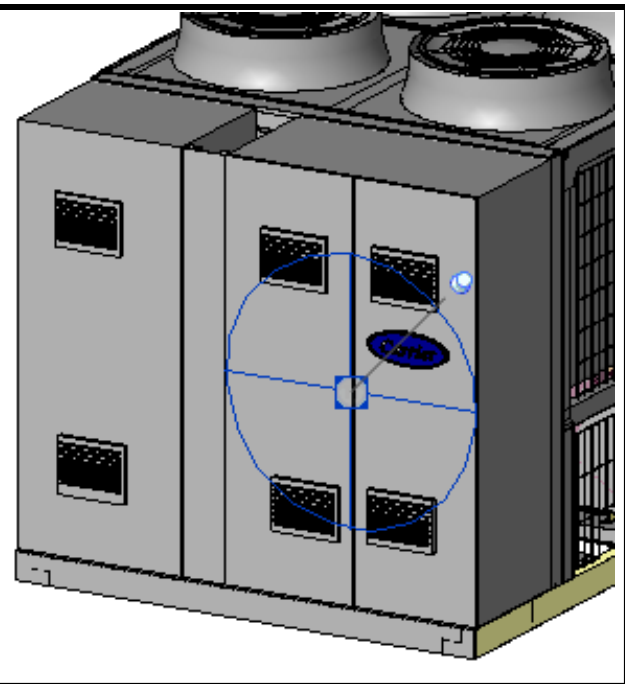


Partial Heat Recovery (Opt49) + Opt325 Inlet / Outlet



Electrical Box Connection

Electrical - Loads		^
System Type	Power - Unbalanced	
Number of Poles	1	
Power Factor State	Lagging	
Load Classification	Other	
Load Sub-Classification Motor	☐	
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	☐	
Connector Description	Electrical_Box 30KAV 500	



Carrier Logo

