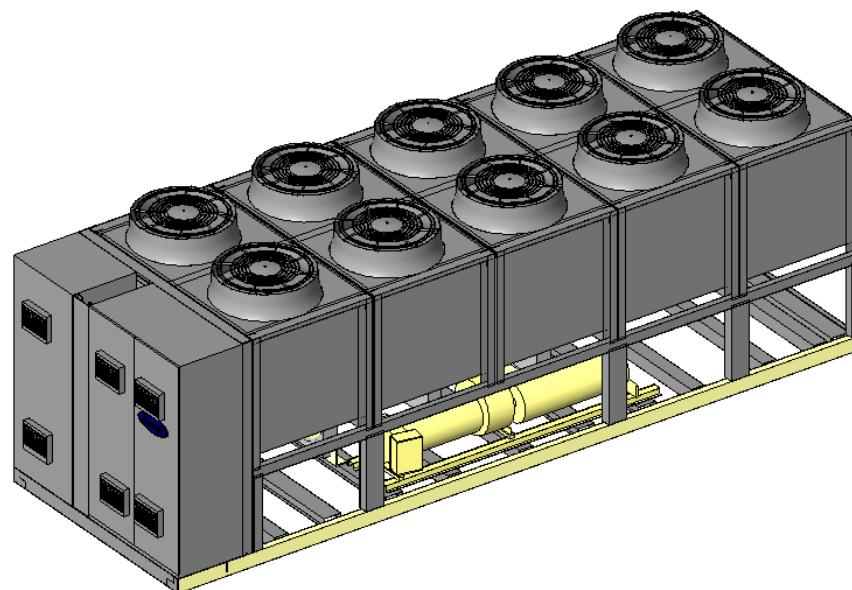


**30KAV0720 /30KAVZE0550 /
30KAVIZE0800**



Slide Numbers

- | | |
|-------------------------------------|--------|
| 1. Excel sheet Data to Revit Option | 3 |
| 2. Operation of the Revit file | 4 - 42 |
| 3. Connector Information | 43- 51 |

Excel to Revit File Conversation

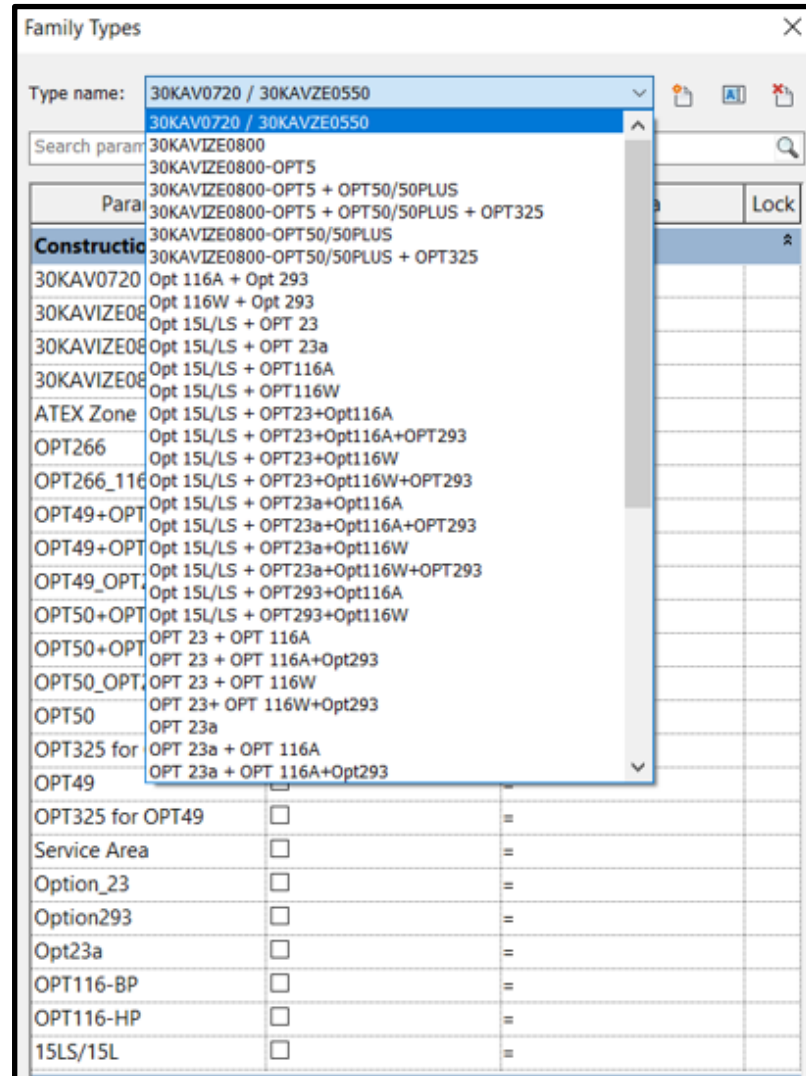
30KAV /30KAVZE/30KAVIZE REVIT DATA BASE

<u>30KAV /30KAVZE/30KAVIZE RANGE + INDUSTRY</u>	<u>Standard Components</u>	<u>Options</u>							
	Chassis/Structure/W-Coil/Cooler/ Electrical Box/Suction Line	Hyd_kit(Opt-116)	Expansion Tank (Opt 293)	Grill Panel (Opt 23)	Coil Panel (Opt 23A)	Comp Enclosure (Opt 15/15LS)	Total Heat Recovery(Opt 50)	Partial Heat Recovery(Opt 49)	Cooler Hydraulic Connection(Opt 266)
30KAV0720 /30KAVZE0550	X	X	X	X	X	X	X	X	X
30KAVIZE0800	X	-	-	X	X	X	X	-	X

SINGLE OPTION

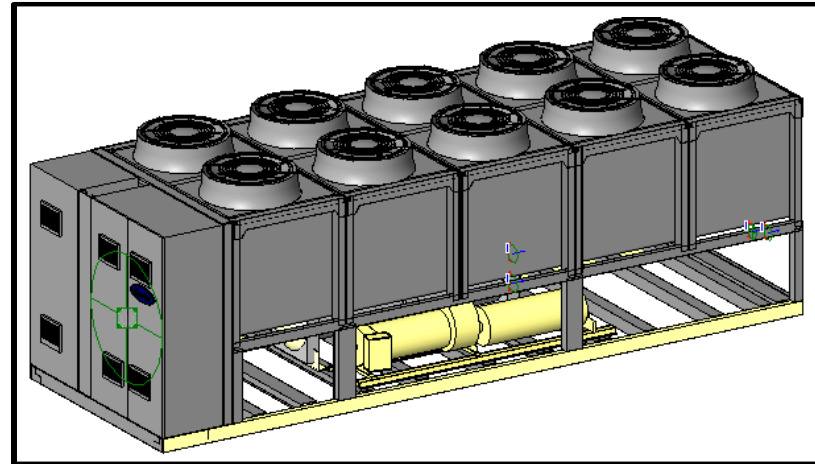
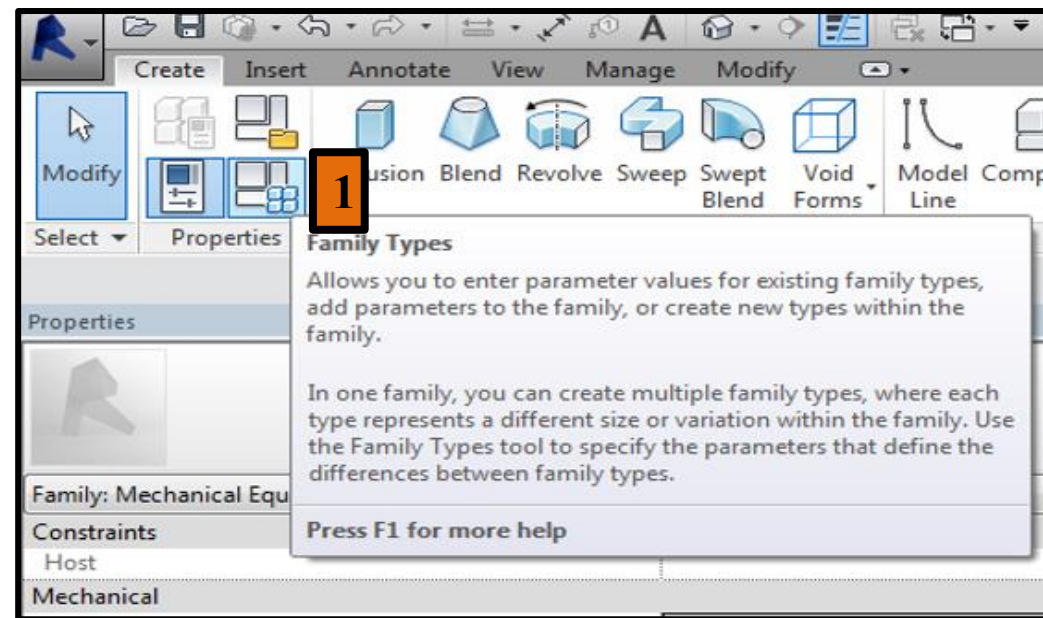
SL.No	Revit Option	Description
1	30KAV0720 /30KAVZE0550	Standard Components
2	30KAVIZE0800	Standard Components
3	Option 15/15LS	Standard Unit + Comp Enclosure
4	Option 23	Standard unit + Coil Protection + Grill
5	Option 23A	Standard unit + Coil Protection
6	Option 116A	Standard unit + Low Pressure Duble Pump(BP)
7	Option 116W	Standard unit + High Pressure Duble Pump(HP)
8	Option 293	116A/W + Expansion tank
9	Option 50/50PLUS	Total Heat Recovery/Boosted Total Heat Recovery
10	Option 49	Partial Heat Recovery
11	Option 266	Cooler Hydraulic Connection

Revit Family Table



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 the Required Option from the drop down as shown below and click ok.

Options are configured for users.

Family Types

Type name: 30KAV0720 / 30KAVZE0550

30KAV0720 / 30KAVZE0550

30KAVIZE0800

30KAVIZE0800-OPT5

30KAVIZE0800-OPT5 + OPT50/50PLUS

30KAVIZE0800-OPT5 + OPT50/50PLUS + OPT325

30KAVIZE0800-OPT50/50PLUS

30KAVIZE0800-OPT50/50PLUS + OPT325

30KAV0720

Opt 116A + Opt 293

30KAVIZE0800

Opt 116W + Opt 293

Opt 15L/LS + OPT 23

30KAVIZE0800

Opt 15L/LS + OPT 23a

30KAVIZE0800

Opt 15L/LS + OPT116A

Opt 15L/LS + OPT116W

ATEX Zone

Opt 15L/LS + OPT23+Opt116A

OPT266

Opt 15L/LS + OPT23+Opt116A+OPT293

Opt 15L/LS + OPT23+Opt116W

OPT266_116

Opt 15L/LS + OPT23+Opt116W+OPT293

Opt 15L/LS + OPT23a+Opt116A

OPT49+OPT

Opt 15L/LS + OPT23a+Opt116A+OPT293

OPT49+OPT

Opt 15L/LS + OPT23a+Opt116W

OPT49_OPT

Opt 15L/LS + OPT23a+Opt116W+OPT293

Opt 15L/LS + OPT293+Opt116A

OPT50+OPT

Opt 15L/LS + OPT293+Opt116W

OPT50+OPT

OPT 23 + OPT 116A

OPT 23 + OPT 116A+Opt293

OPT50_OPT

OPT 23 + OPT 116W

OPT50

OPT 23+ OPT 116W+Opt293

OPT 23a

OPT325 for

OPT 23a + OPT 116A

OPT 23a + OPT 116A+Opt293

OPT49

OPT325 for OPT49

Service Area

Option_23

Option293

Opt23a

OPT116-BP

OPT116-HP

15LS/15L

2

Family Types

Type name: 30KAV0720 / 30KAVZE0550

Search parameters

Parameter	Value	Formula
Construction		
30KAV0720 / 30KAVZE0550	☒	=
30KAVIZE0800_ OPT325	☐	=
30KAVIZE0800_OPT50/50PLUS	☐	=
30KAVIZE0800	☐	=
ATEX Zone	☐	=
OPT266	☐	=
OPT266_116_HYDKIT_BP_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	☐	=
Option_23	☐	=
Option293	☐	=
Opt23a	☐	=
OPT116-BP	☐	=
OPT116-HP	☐	=
15LS/15L	☐	=

2

Note: 1) Kindly don't modify the option configuration by checking and unchecking the box.
2) All Options are viewed by following same process.

Standard Unit Creation

30KAV0720 /30KAVZE0550 /30KAVIZE0800

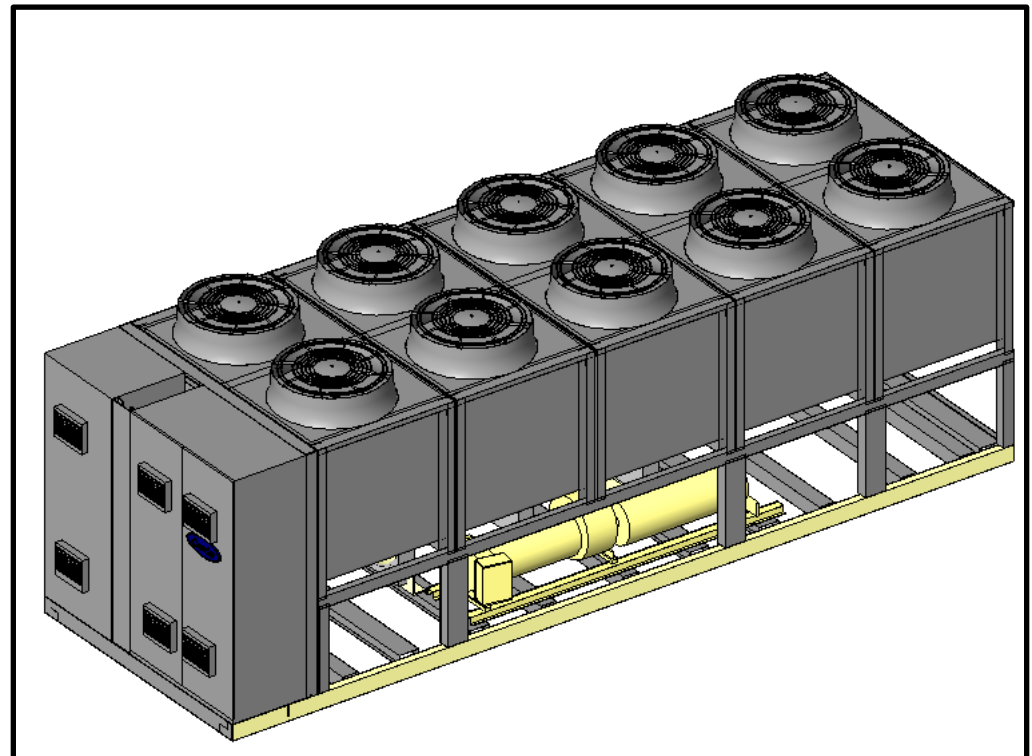
Note: Follow Step 1&2 as explained in Previous slides, to select the option.

Family Types

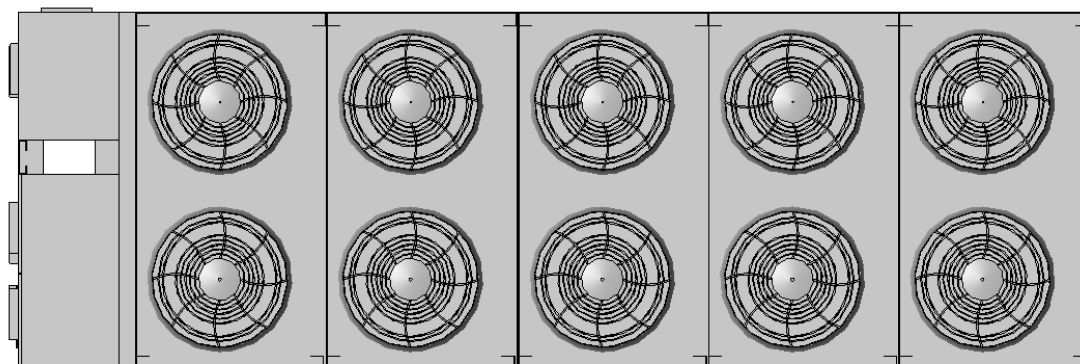
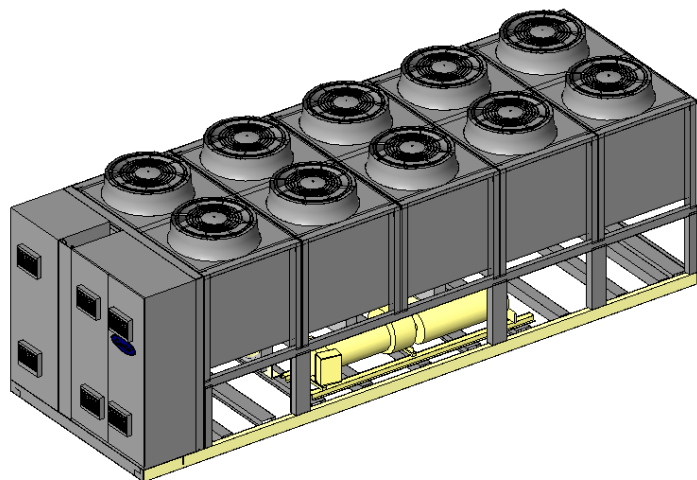
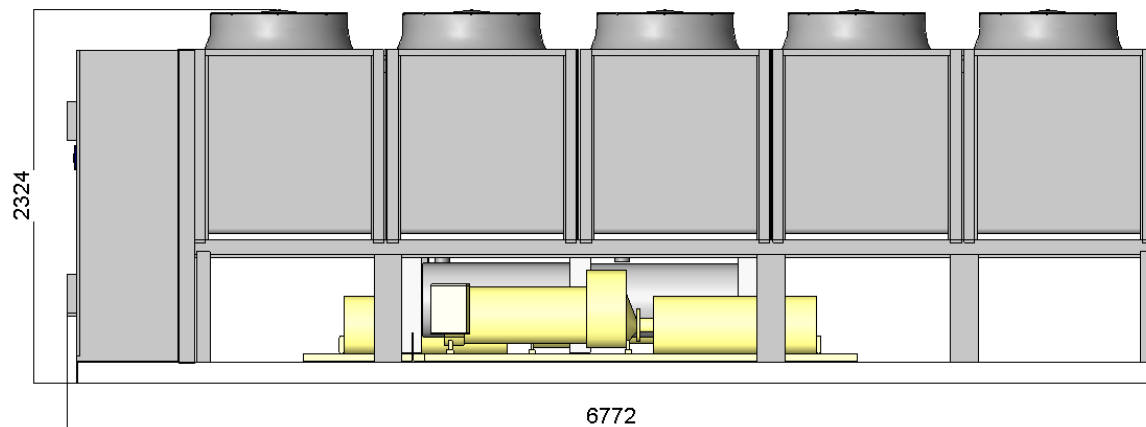
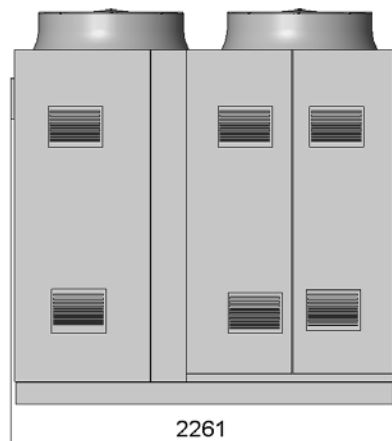
Type name: 30KAV0500 / 30KAVZE0350

Search parameters

Parameter	Value	Formula
Construction		
30KAV0500 / 30KAVZE0350	☒	=
30KAVIZE0500_OPT50/50PLUS	☐	=
ATEX Zone	☐	=
ATEX Zone + Kit/Heat Recovery	☐	=
OPT266	☐	=
OPT266_116_HYDKIT_BP	☐	=
OPT266_116_HYDKIT_HP	☐	=
OPT49+OPT325_OPT266	☐	=
OPT49+OPT325_OPT267	☐	=
OPT50+OPT325_OPT266	☐	=
OPT50+OPT325_OPT267	☐	=
OPT50_OPT267	☐	=
OPT49_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-BP	☐	=
OPT116-HP	☐	=
Hyd_Kit_structure	☐	=
15LS/15L	☐	=
30KAVIZE0500	☐	=



30KAV0720 /30KAVZE0550 /30KAVIZE0800



STD / TOTAL HEAT RECOVERY

Option 15/15LS

Low Noise Enclosure
Standard unit + Enclosure

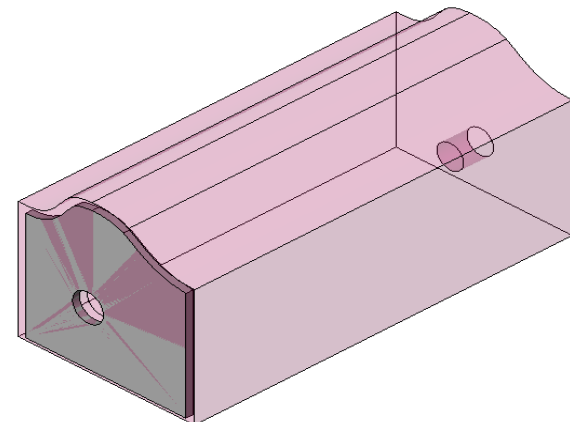
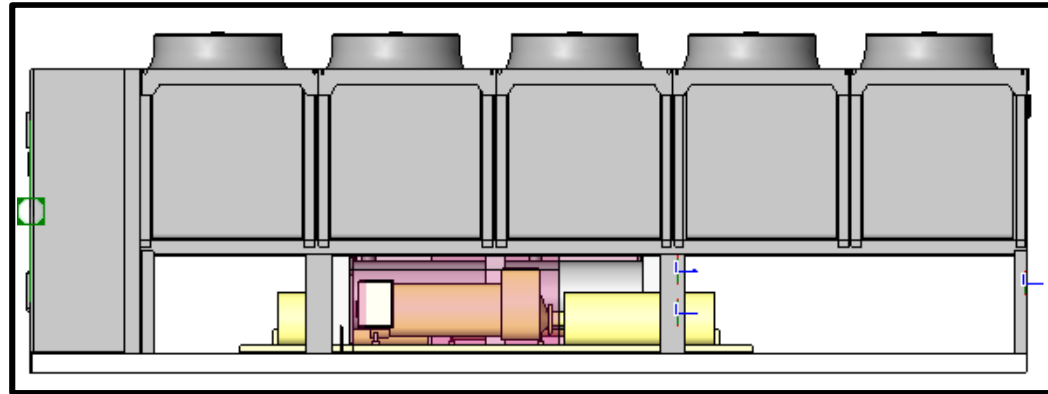
Family Types

Type name: OPT15/15LS

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area	☐	=
Option_23	☐	=
Option293	☐	=
Opt23a	☐	=
OPT116-720 BP	☐	=
OPT116-720 HP	☐	=
15LS/15L	☒	=
Identity Data		

How do I manage family types? OK



Option 23

Coil panel protection

Standard unit + panel+ Grill

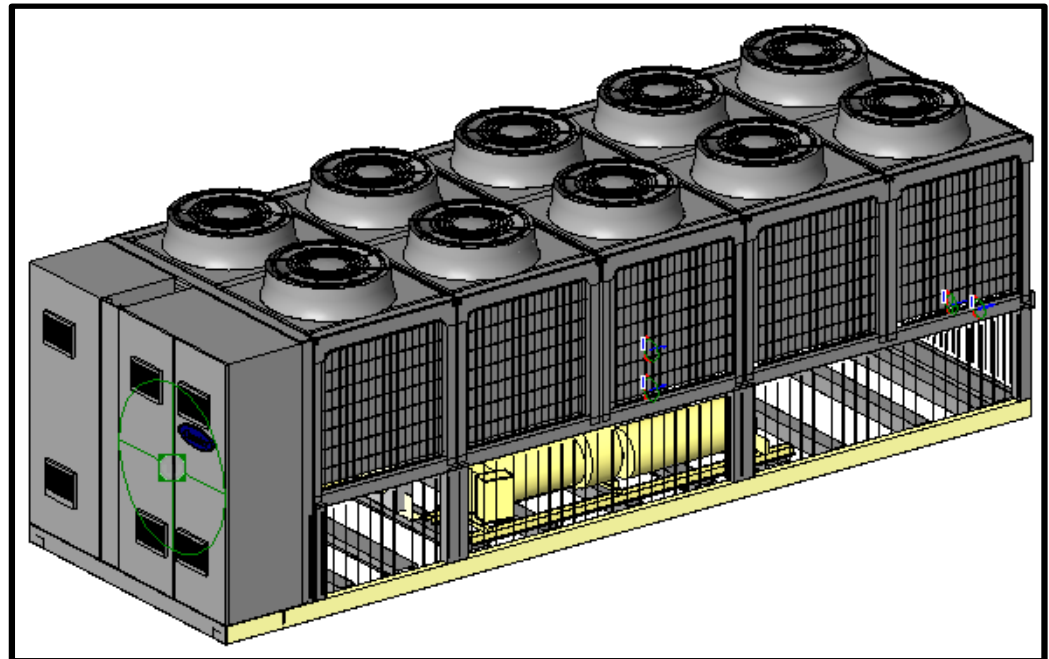
Family Types

Type name: OPT23

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option_23	☒
Option293	☐
Opt23a	☐
OPT116-720 BP	☐
OPT116-720 HP	☐
15LS/15L	☐
Identity Data	

How do I manage family types?



Option 23a

Coil panel protection

Standard unit + Panel

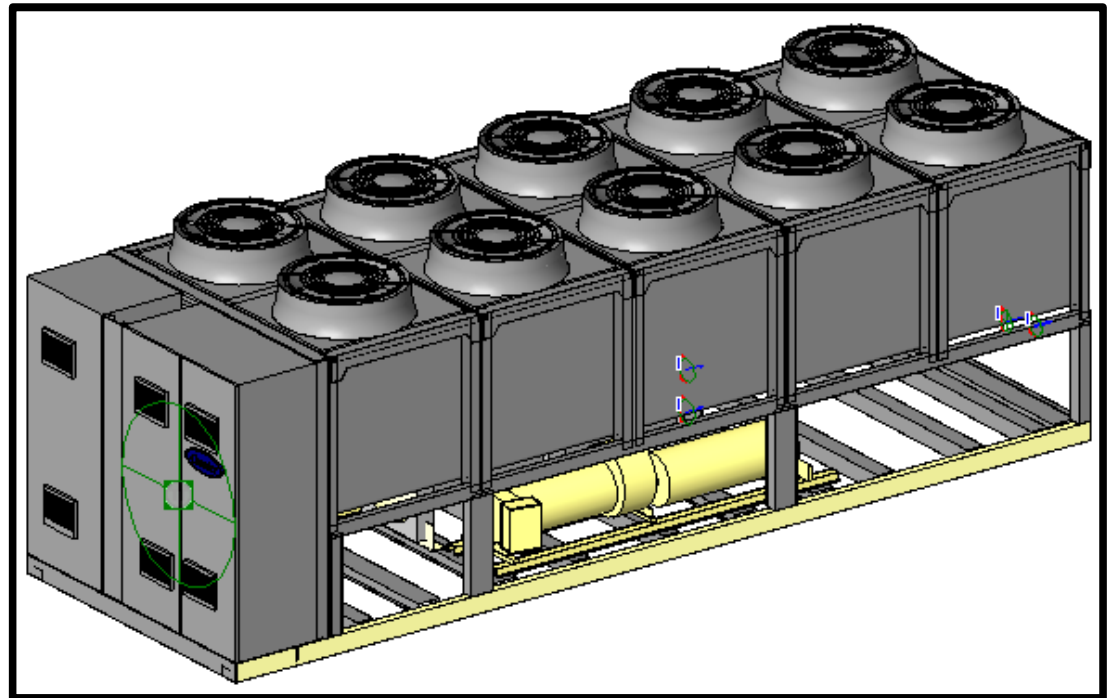
Family Types

Type name:

Search parameters

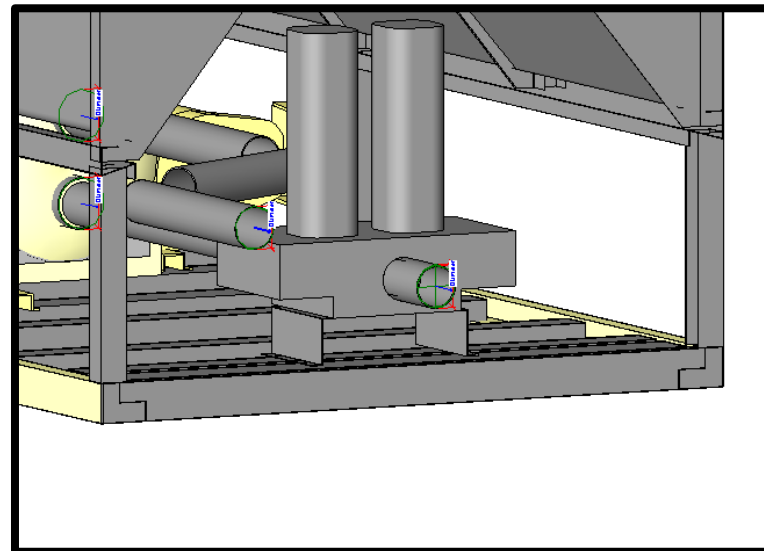
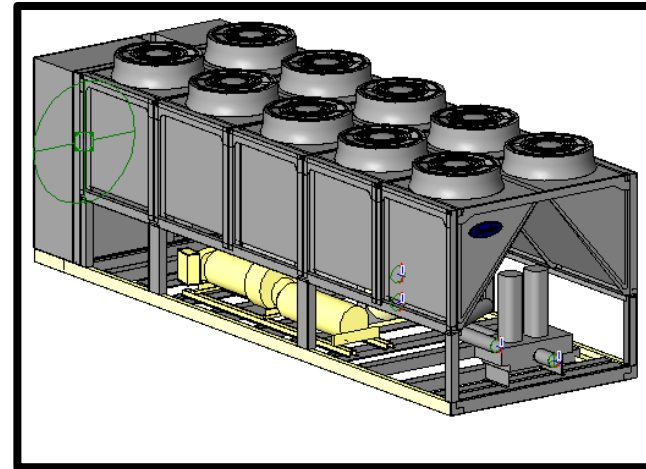
Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option_23	☐
Option293	☐
Opt23a	☒
OPT116-720 BP	☐
OPT116-720 HP	☐
15LS/15L	☐
Identity Data	

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Option 116A

Low Pressure Double Pump STD Unit + Pump(BP)



Family Types

Type name:

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option_23	☐
Option293	☐
Opt23a	☐
OPT116-720 BP	☒
OPT116-720 HP	☐
15LS/15L	☐
Identity Data	

How do I manage family types?

Option 116W

High Pressure Double Pump STD Unit + Pump(HP)

Family Types

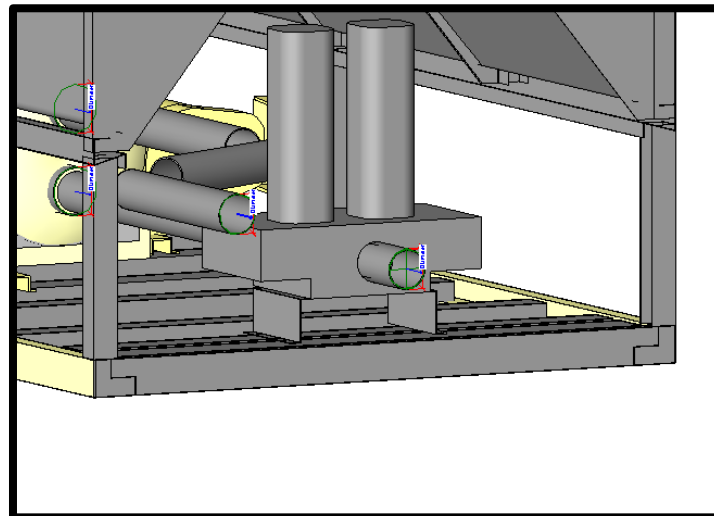
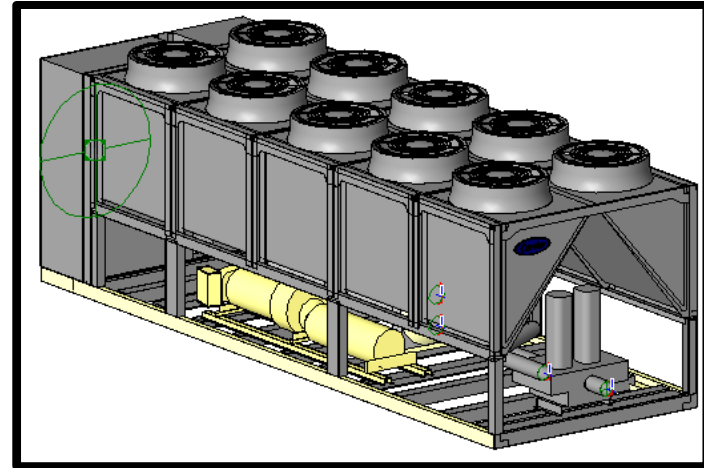
Type name:

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option_23	☐
Option293	☐
Opt23a	☐
OPT116-720 BP	☐
OPT116-720 HP	☒
15LS/15L	☐
Identity Data	

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Option 293

Expansion Tank

Standard unit + Hyd Option(BP/HP) any one + Expansion tank

Family Types

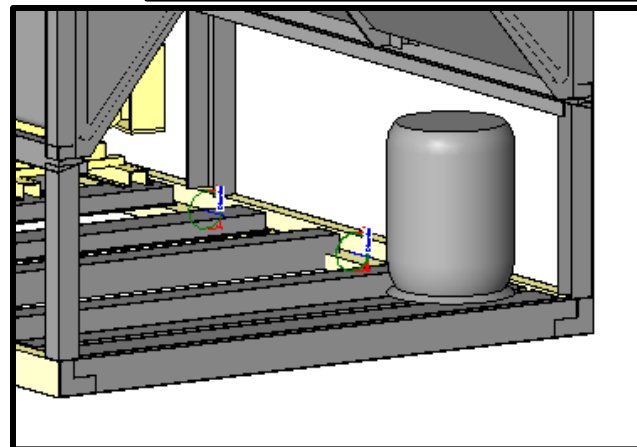
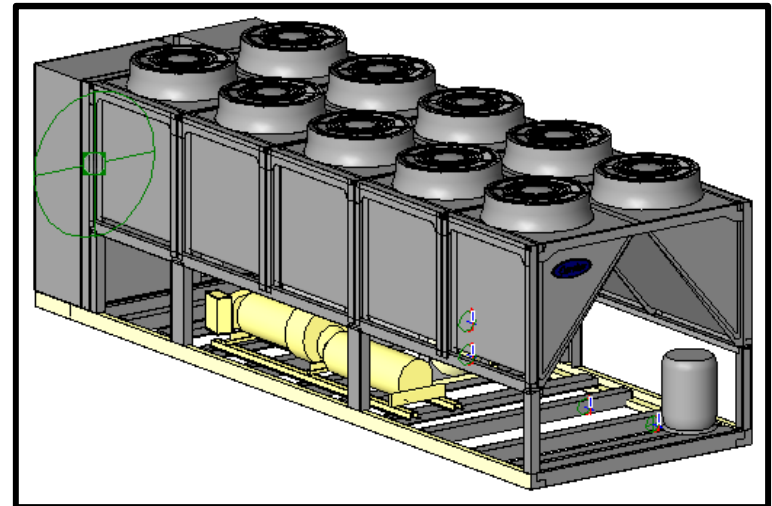
Type name:

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option_23	☐
Option293	☒
Opt23a	☐
OPT116-720 BP	☐
OPT116-720 HP	☐
15LS/15L	☐
Identity Data	

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Option 50

Total Heat Recovery

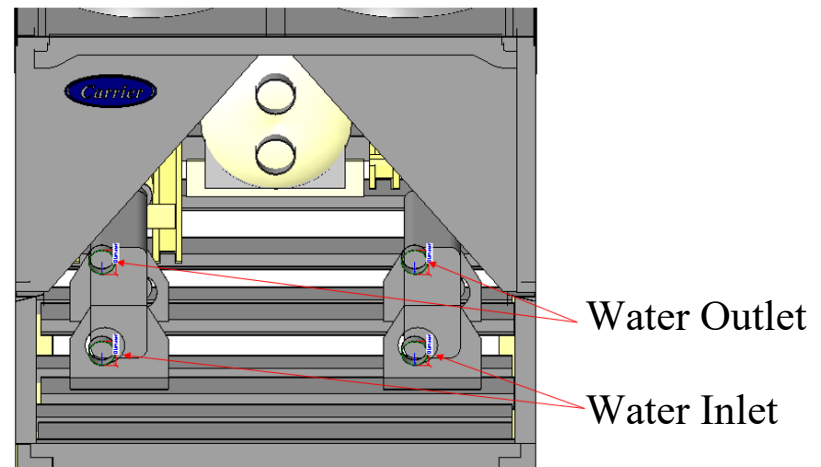
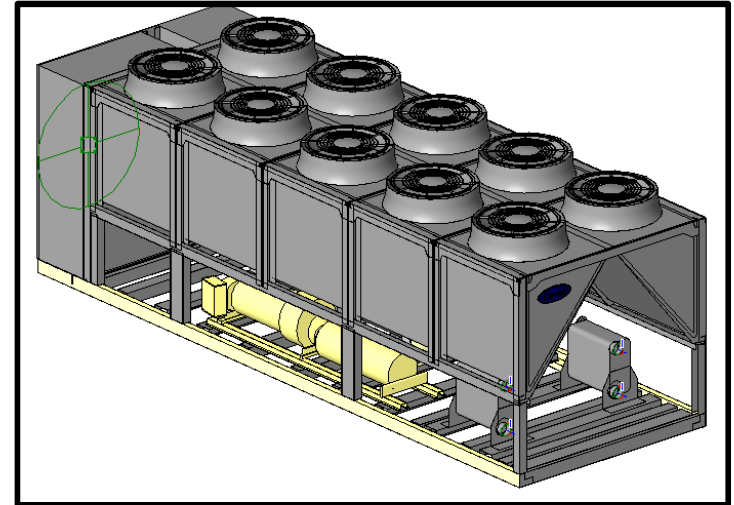
Family Types

Type name: OPT50

Search parameters

Parameter	Value
Construction	
OPT50	☒
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option_23	☐
Option293	☐
Opt23a	☐
OPT116-720 BP	☐
OPT116-720 HP	☐
15LS/15L	☐
Identity Data	

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30KAVIZE0800-Option 50/50PLUS

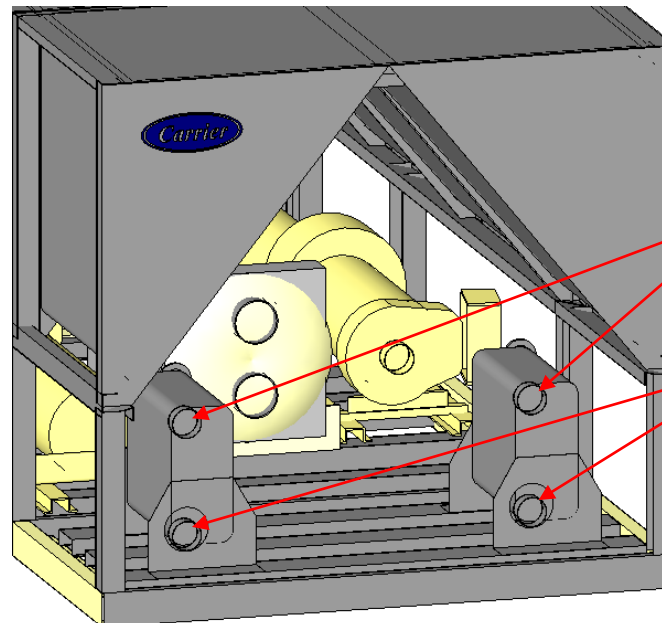
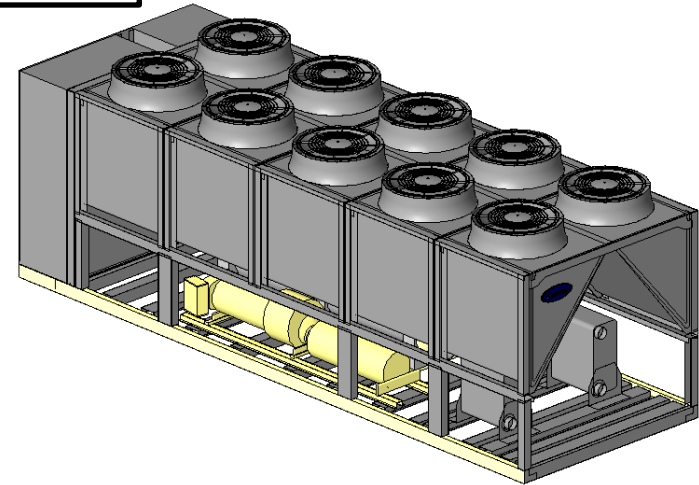
Total Heat Recovery

Family Types

Type name: 30KAVIZE0800-OPT50/50PLUS

Search parameters

Parameter	Value	Formula
Construction		
30KAV0720 / 30KAVZE0550	☐	=
30KAVIZE0800_ OPT325	☐	=
30KAVIZE0800_ OPT50/50PLUS	☒	=
30KAVIZE0800	☒	=
ATEX Zone	☐	=
OPT266	☐	=
OPT266_116_HYDKIT_BP_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	☐	=
Option_23	☐	=
Option293	☐	=
Opt23a	☐	=
OPT116-BP	☐	=
OPT116-HP	☐	=
15LS/15L	☐	=



Water Outlet

Water Inlet

Option 266

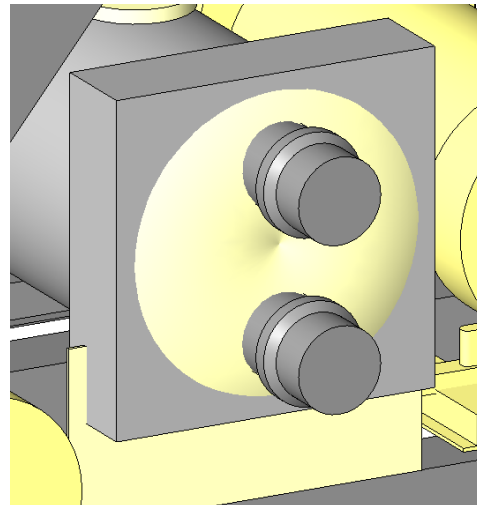
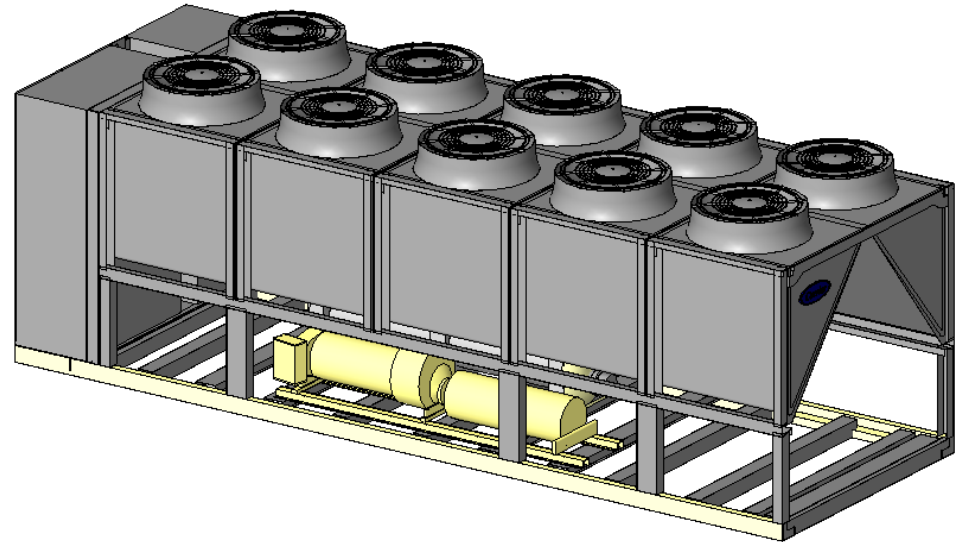
Cooler hydraulic connection

Family Types

Type name: OPT266

Search parameters

Parameter	Value	Formula
Construction		
30KAV0720 / 30KAVZE0550	☒	=
30KAVIZE0800_OPT325	☐	=
30KAVIZE0800_OPT50/50PLUS	☐	=
30KAVIZE0800	☐	=
ATEX Zone	☐	=
OPT266	☒	=
OPT266_116_HYDKIT_BP_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	☐	=
Option_23	☐	=
Option293	☐	=
Opt23a	☐	=
OPT116-BP	☐	=
OPT116-HP	☐	=
15LS/15L	☐	=



Note: 30KAV0720 /30KAVZE0550 unit with STD Cooler is shown for this representation.

Service Area Option

Service Area: Standard Unit / Industry Unit / HYD Kit / Heat Recovery

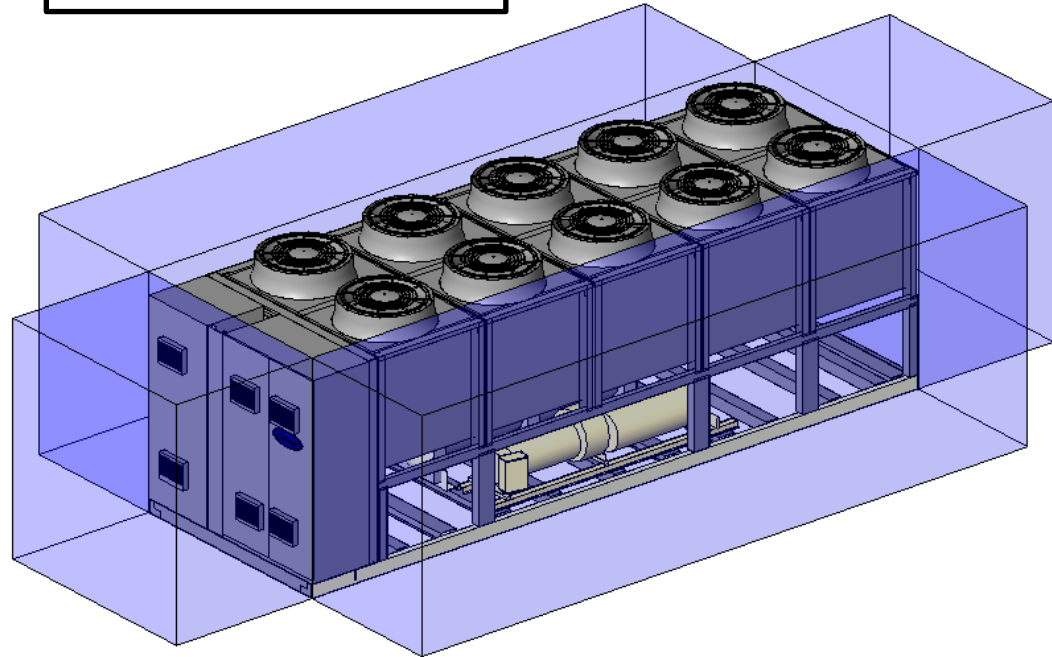
Family Types

Type name: Service Area

Search parameters

Parameter	Value	Formula	LO
Construction			
30KAV0720 / 30KAVZE0550	☒	=	
30KAVIZE0800_OPT325	☐	=	
30KAVIZE0800_OPT50/50PL	☐	=	
30KAVIZE0800	☐	=	
ATEX Zone	☐	=	
OPT266	☐	=	
OPT266_116_HYDKIT_BP_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	☒	=	
Option_23	☐	=	
Option293	☐	=	
Opt23a	☐	=	
OPT116-BP	☐	=	
OPT116-HP	☐	=	
15LS/15L	☐	=	

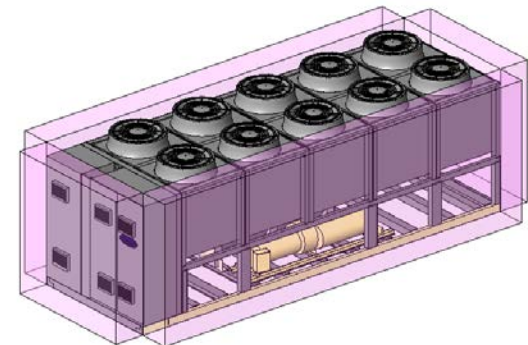
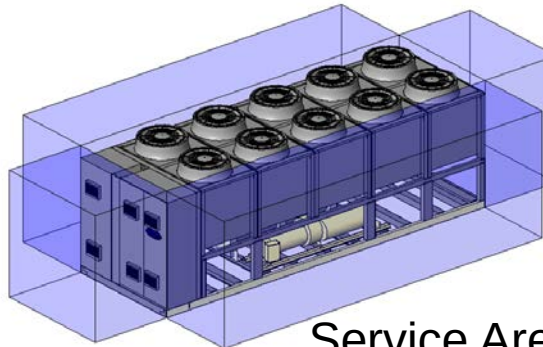
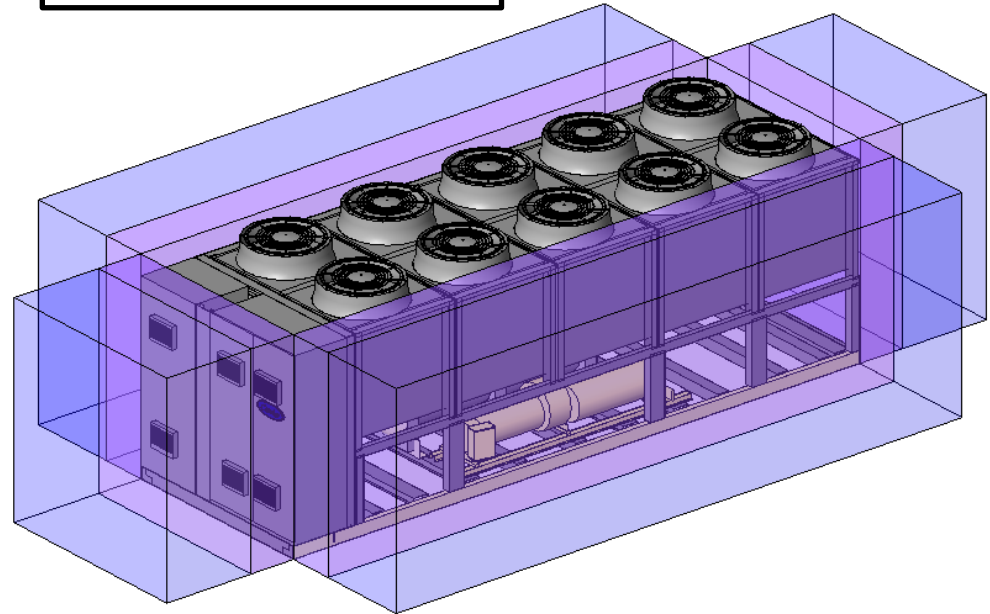
STD_Unit/Industry Unit



Service Area & ATEX Zone – ZE Units

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

STD_Unit/Industry Unit



Service Area

ATEX Zone

Family Types

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

Search parameters

Parameter	Value	Formula
Construction		
30KAV0720 / 30KAVZE0550	☒	=
30KAVIZE0800_OPT325	☐	=
30KAVIZE0800_OPT50/50PLUS	☐	=
30KAVIZE0800	☐	=
ATEX Zone	☒	=
OPT266	☐	=
OPT266_116_HYDKIT_BP_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	☒	=
Option_23	☐	=
Option293	☐	=
Opt23a	☐	=
OPT116-BP	☐	=
OPT116-HP	☐	=
15LS/15L	☐	=

Dual Combo Units

30KAV /30KAVZE/30KAVIZE REVIT DATA BASE

30KAV /30KAVZE/30KAVIZE RANGE + INDUSTRY	Options Combination								
	OPT 15/15LS + OPT 23	OPT 15/15LS + OPT 23a	Opt 15/15LS + OPT 116	OPT 23 + OPT 116	OPT 23a + OPT 116	OPT 116 + OPT 293	OPT 50 + OPT 325	OPT 49 + OPT 325	OPT 116 + OPT 266
30KAV0720 /30KAVZE0550	X	X	X	X	X	X	X	X	X
30KAVIZE0800	X	X	-	-	-	-	X	-	-

SL.No	Revit Option	Description
1	OPT 15/15LS + OPT 23	Comp Enclosure + Grill/Panel
2	OPT 15/15LS + OPT 23a	Comp Enclosure + Panel
3	OPT 15/15LS + OPT 116A	Comp Enclosure + Hydro Kit (BP)
4	OPT 15/15LS + OPT 116W	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

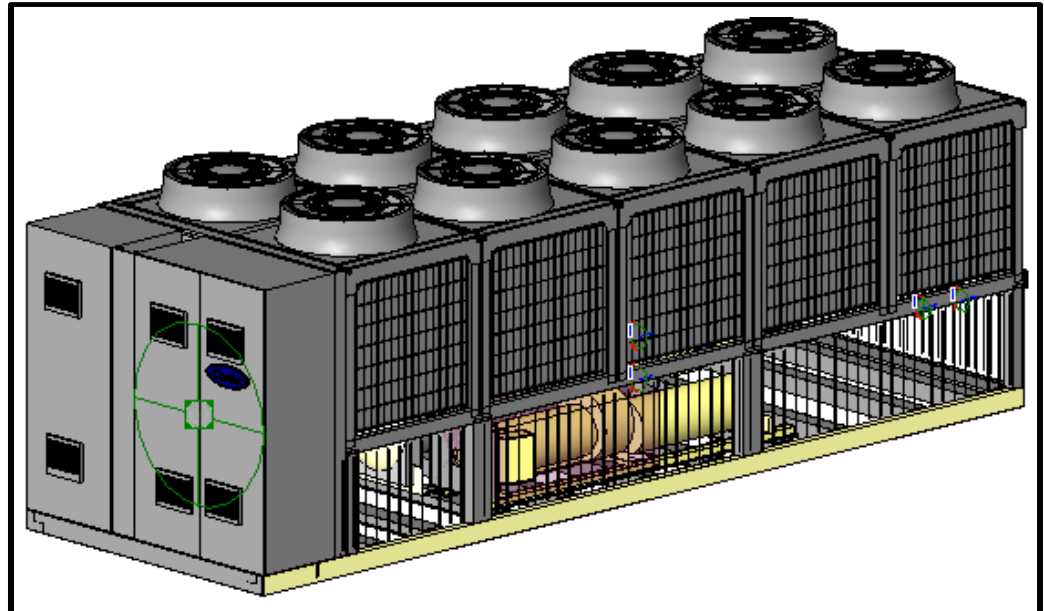
Type name: Opt 15L/LS + OPT 23

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area	☐	=
Option_23	☒	=
Option293	☐	=
Opt23a	☐	=
OPT116-720 BP	☐	=
OPT116-720 HP	☐	=
15LS/15L	☒	=
Identity Data		

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Option 15/15LS+Option23a

Family Types

Type name:

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area	☐	=
Option_23	☐	=
Option293	☐	=
Opt23a	☒	=
OPT116-720 BP	☐	=
OPT116-720 HP	☐	=
15LS/15L	☒	=
Identity Data		



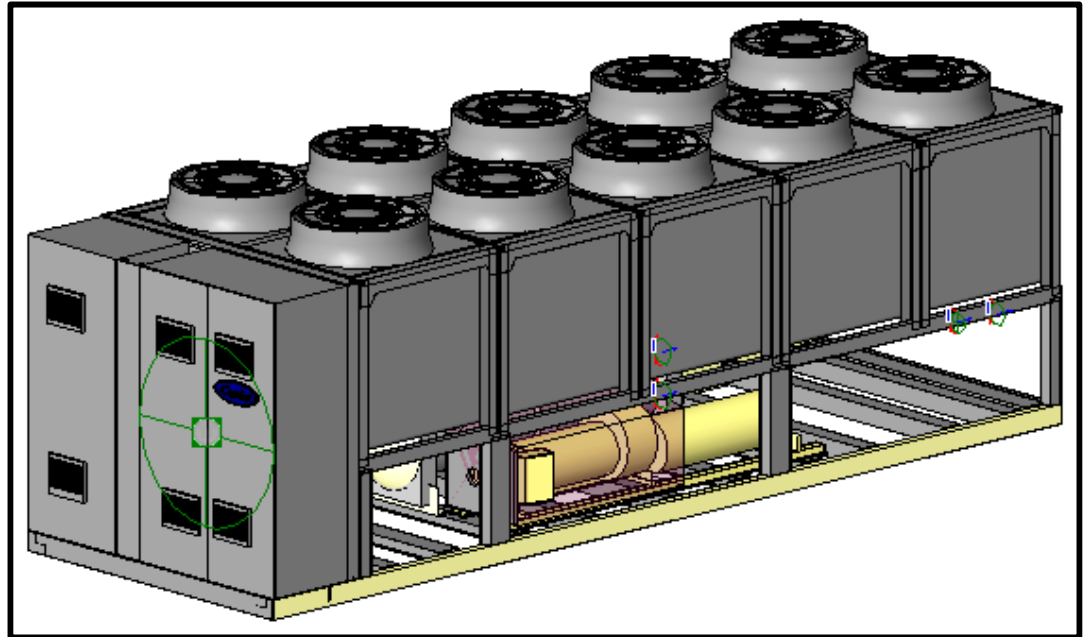






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OK



Option 116A+Option15/15LS

Family Types

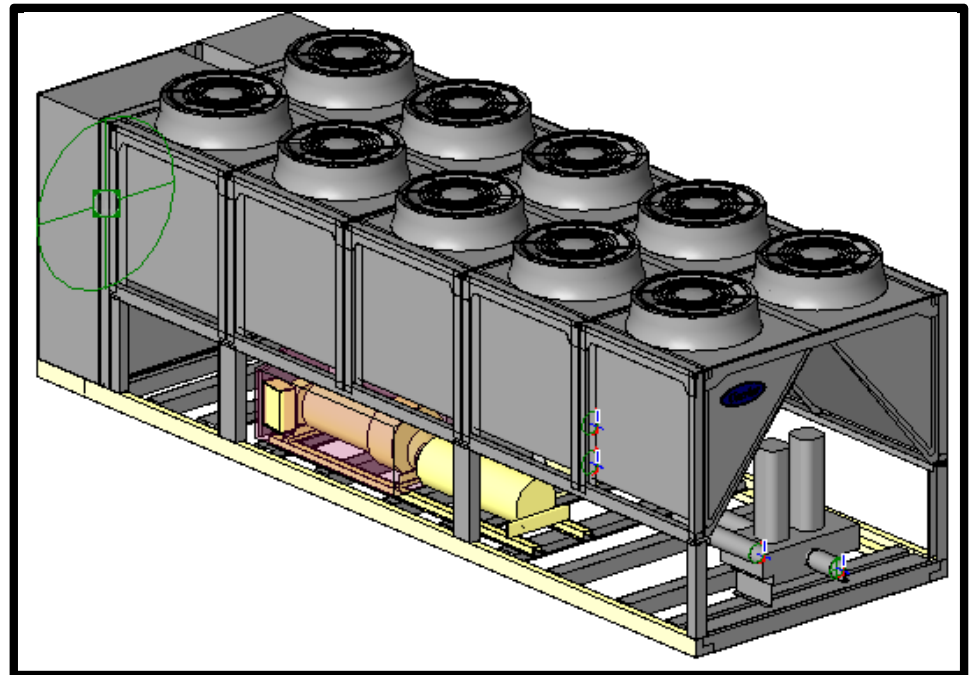
Type name: Opt 15L/LS + OPT116A

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option_23	☐
Option293	☐
Opt23a	☐
OPT116-720 BP	☒
OPT116-720 HP	☐
15LS/15L	☒
Identity Data	

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



Option 116W+Option15/15LS

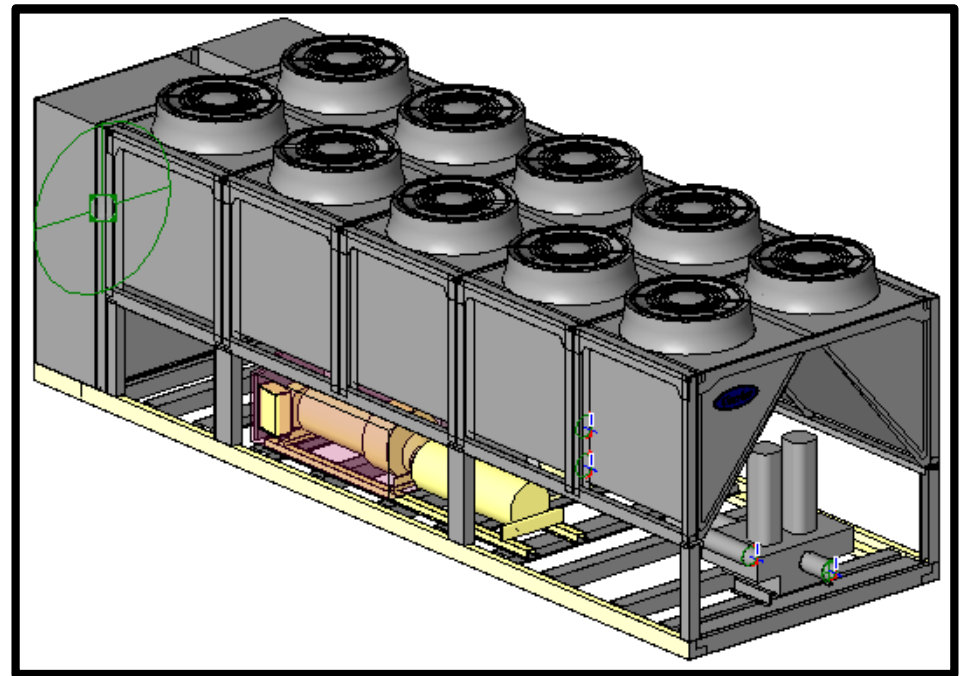
Family Types

Type name: Opt 15L/LS + OPT116W

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option_23	☐
Option293	☐
Opt23a	☐
OPT116-720 BP	☐
OPT116-720 HP	☒
15LS/15L	☒
Identity Data	

How do I manage family types?



Option 116A+Option23

Family Types

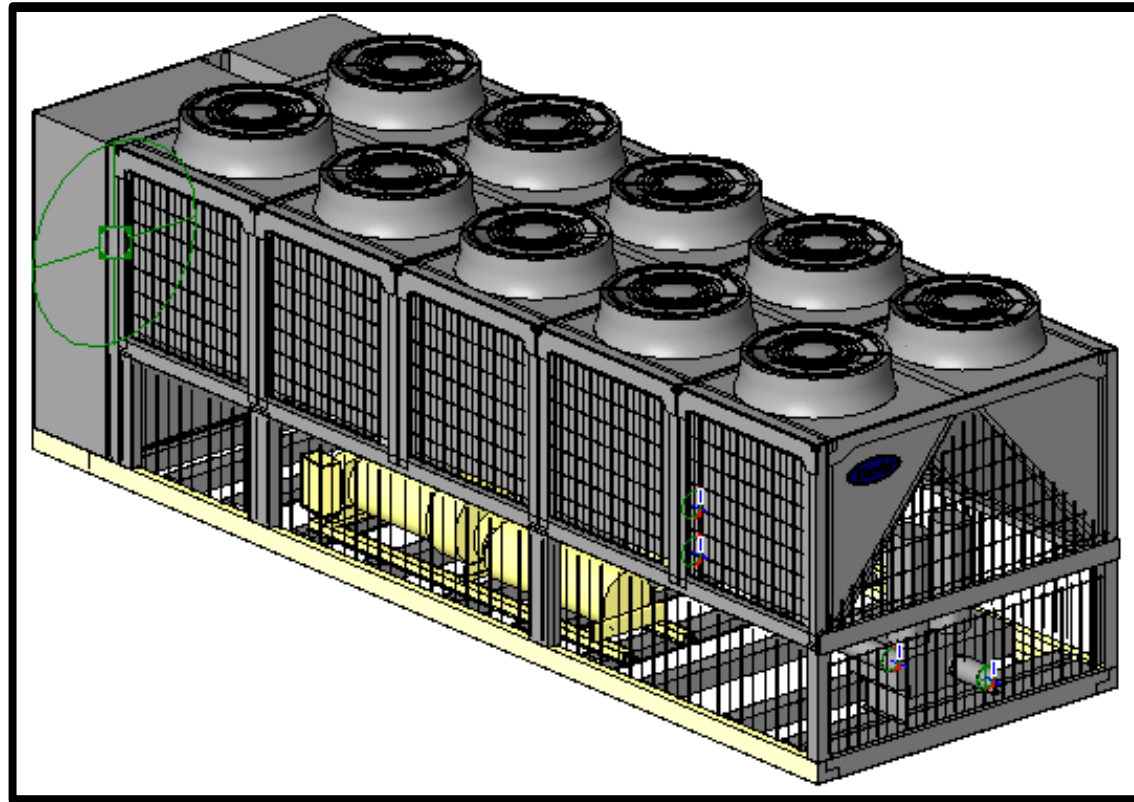
Type name: OPT 23 + OPT 116A

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option_23	☒
Option293	☐
Opt23a	☐
OPT116-720 BP	☒
OPT116-720 HP	☐
15LS/15L	☐
Identity Data	

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



Option 116A+Option23a

Family Types

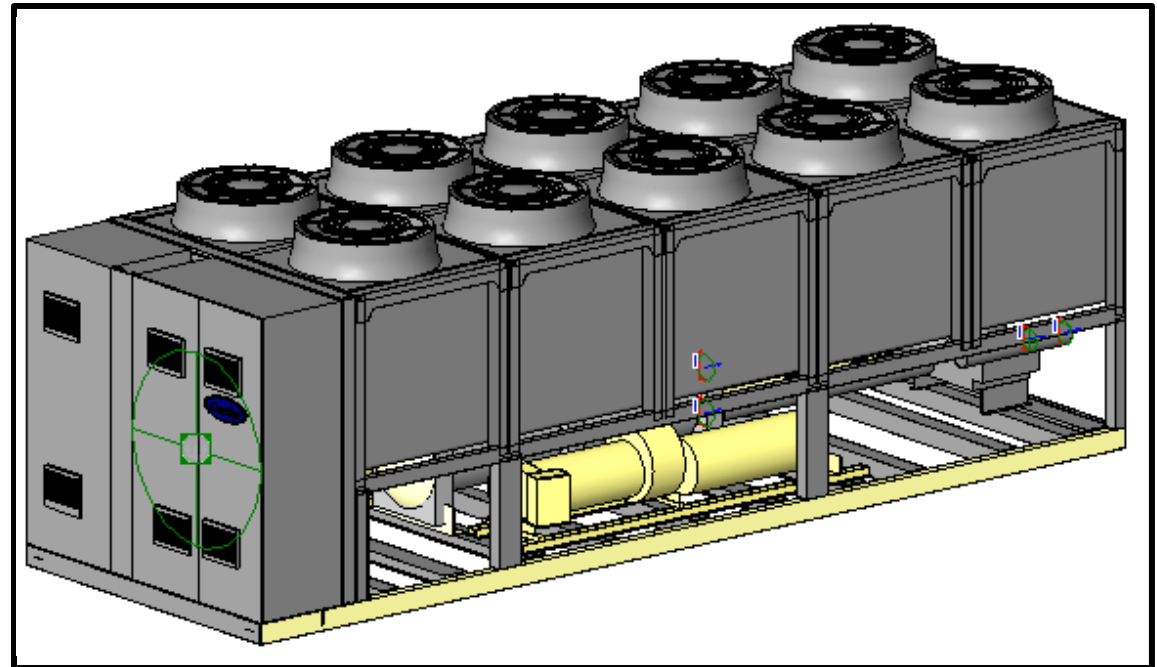
Type name:

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option_23	☐
Option293	☐
Opt23a	☒
OPT116-720 BP	☒
OPT116-720 HP	☐
15LS/15L	☐
Identity Data	

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



Option 116W+Option23

Family Types

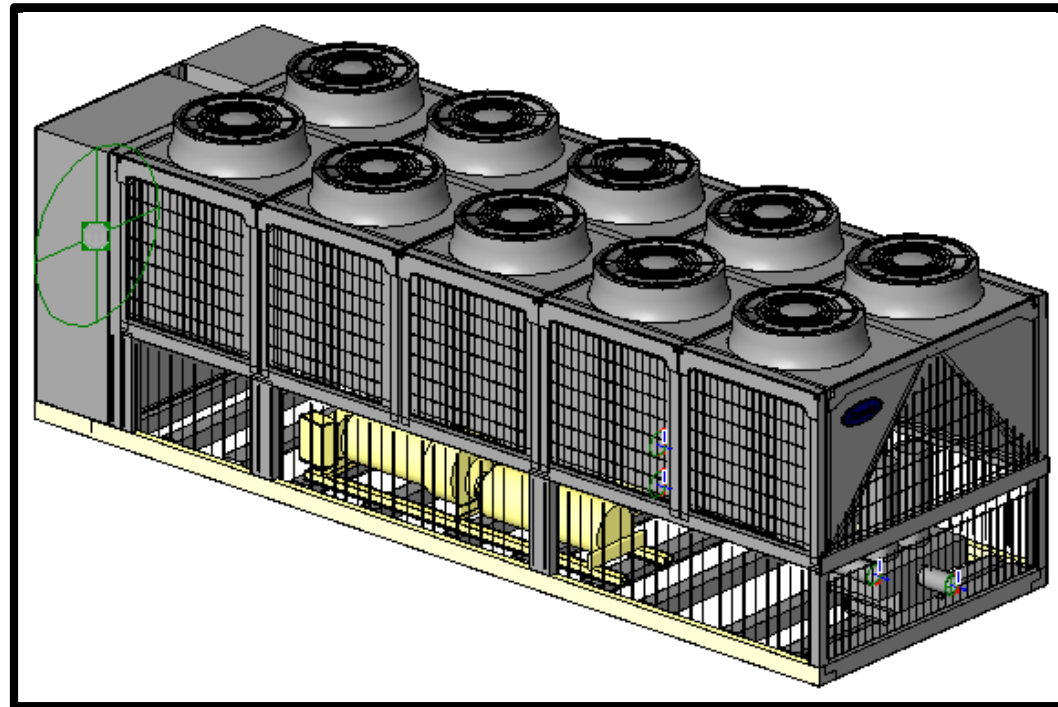
Type name: OPT 23 + OPT 116W

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area	☐	=
Option_23	☒	=
Option293	☐	=
Opt23a	☐	=
OPT116-720 BP	☐	=
OPT116-720 HP	☒	=
15LS/15L	☐	=
Identity Data		

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



Option 116W+Option23a

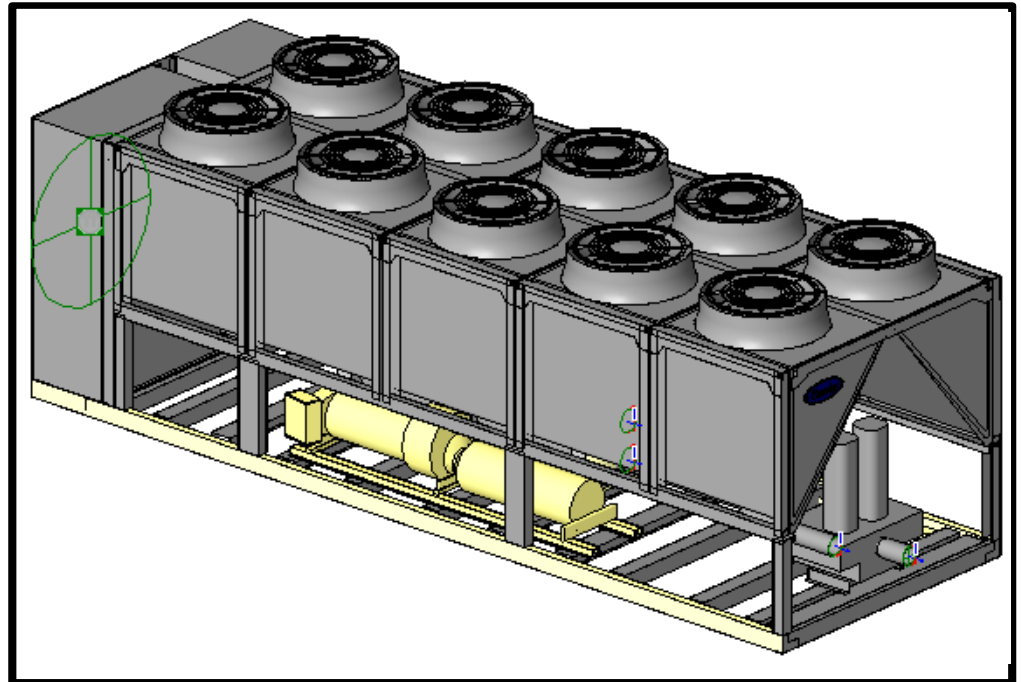
Family Types

Type name: OPT 23a + OPT 116W

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area	☐	=
Option_23	☐	=
Option293	☐	=
Opt23a	☒	=
OPT116-720 BP	☐	=
OPT116-720 HP	☒	=
15LS/15L	☐	=
Identity Data		

How do I manage family types?



Option 116+Option293

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

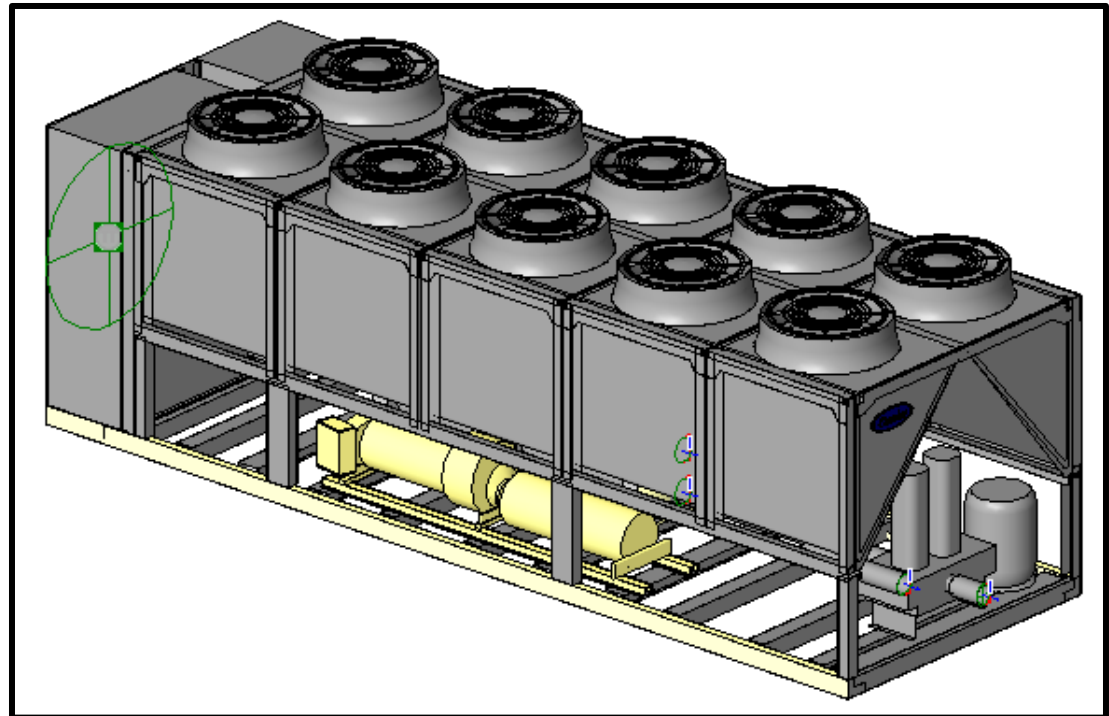
Family Types

Type name:

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option_23	☐
Option293	☒
Opt23a	☐
OPT116-720 BP	☒
OPT116-720 HP	☐
15LS/15L	☐
Identity Data	

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



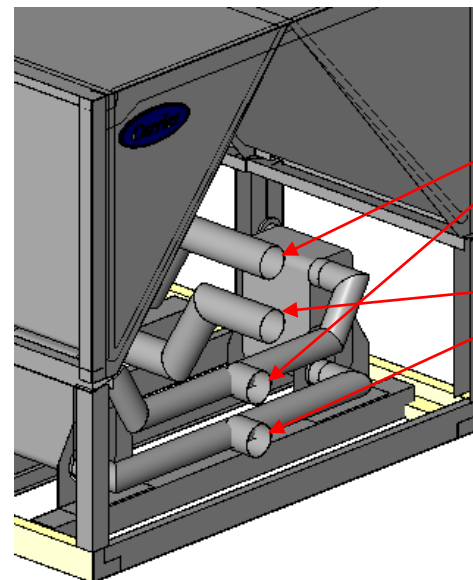
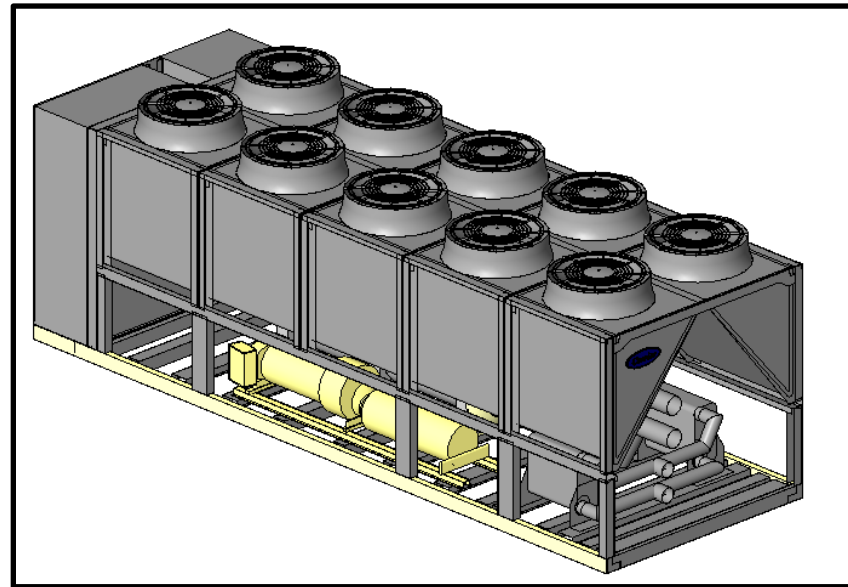
Option50 + Option325

Family Types

Type name: OPT50 + OPT325

Search parameters

Parameter	Value	Formula
Construction		
30KAV0720 / 30KAVZE0550	☒	=
30KAVIZE0800_OPT325	☐	=
30KAVIZE0800_OPT50/50PLUS	☐	=
30KAVIZE0800	☐	=
ATEX Zone	☐	=
OPT266	☐	=
OPT266_116_HYDKIT_BP_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	☐	=
Option_23	☐	=
Option293	☐	=
Opt23a	☐	=
OPT116-BP	☐	=
OPT116-HP	☐	=
15LS/15L	☐	=



Water Outlet

Water Inlet

Note: 30KAV0720 / 30KAVZE0550 unit with STD Cooler is shown for this representation.

Option49 + Option325

Family Types

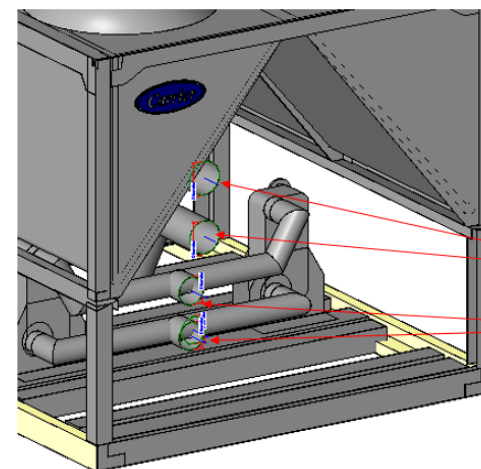
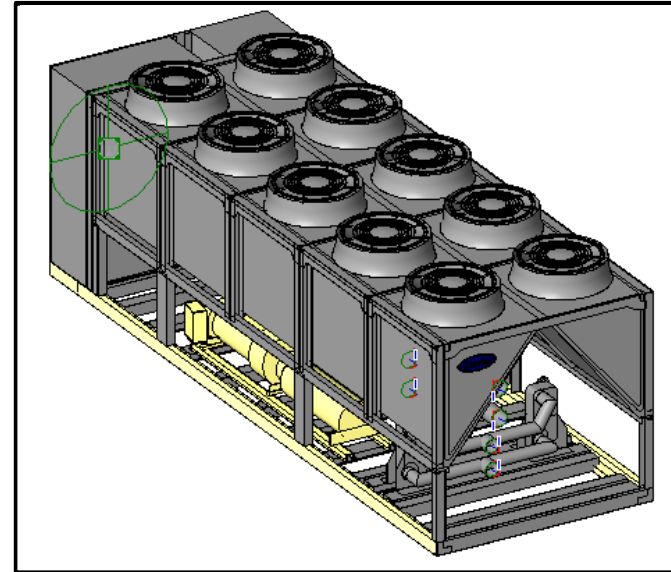
Type name: OPT49 + OPT325

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☒
OPT325 for OPT49	☒
Service Area	☐
Option_23	☐
Option293	☐
Opt23a	☐
OPT116-720 BP	☐
OPT116-720 HP	☐
15LS/15L	☐
Identity Data	

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



Water Outlet

Water Inlet

Option 116 + Option 266

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

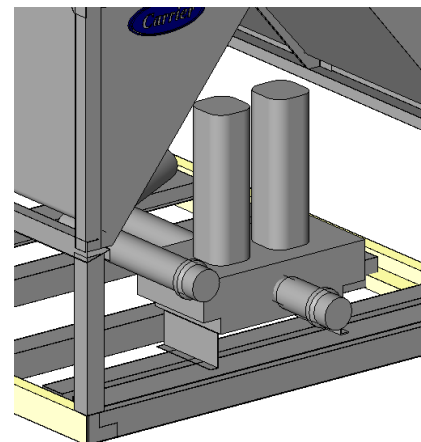
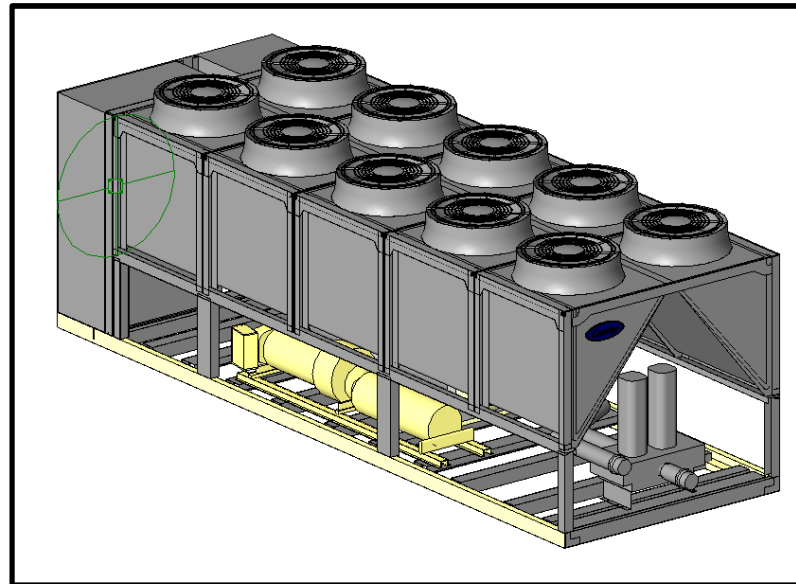
Family Types

Type name: OPT116A + OPT266

Search parameters

Parameter	Value	
Construction		
ATEX Zone	☐	=
OPT266	☐	=
OPT266_116_HYDKIT_BP_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	☐	=
Option_23	☐	=
Option293	☐	=
Opt23a	☐	=
OPT116-BP	☒	=
OPT116-HP	☐	=
15LS/15L	☐	=
Identity Data		
<		

How do I manage family types? OK



Triple Combo Units

30KAV /30KAVZE/30KAVIZE REVIT DATA BASE

30KAV /30KAVZE/30KAVIZE RANGE + INDUSTRY	Options Combinations						
	OPT15/15LS + OPT23 + OPT116	OPT15/15LS + OPT23a + OPT116	Opt15/15LS + OPT293 + OPT116	OPT23 + OPT116 + OPT293	OPT23a + OPT116 + OPT293	OPT50 + OPT266 + OPT267	OPT49 + OPT266 + OPT267
30KAV0720 /30KAVZE0550	X	X	X	X	X	X	X
30KAVIZE0800	-	-	-	-	-	X	-

SL.No	Revit Option	Description
1	OPT 15/15LS + OPT 23 +OPT 116A	Comp Enclosure + Grill/Panel + Hydro Kit (BP)
2	OPT 15/15LS + OPT 23 +OPT 116W	Comp Enclosure + Grill/Panel + Hydro Kit (HP)
3	OPT 15/15LS + OPT 23a +OPT 116A	Comp Enclosure + Panel + Hydro Kit (BP)
4	OPT 15/15LS + OPT 23a +OPT 116W	Comp Enclosure + Panel + Hydro Kit (HP)
5	OPT 15/15LS + OPT 293 +OPT 116A	Comp Enclosure + Expansion Tank + Hydro Kit (BP)
6	OPT 15/15LS + OPT 293 +OPT 116W	Comp Enclosure + Expansion Tank + Hydro Kit (HP)
7	OPT 23 + OPT 116A + OPT 293	Grill/Panel + Expansion Tank + Hydro Kit (BP)
8	OPT 23 + OPT 116W + OPT 293	Grill/Panel + Expansion Tank + Hydro Kit (HP)
9	OPT 23a + OPT 116A + OPT 293	Panel + Expansion Tank + Hydro Kit (BP)
10	OPT 23a + OPT 116W + OPT 293	Panel + Expansion Tank + Hydro Kit (HP)
11	OPT 50 + OPT 266 + OPT 267	Total Heat Recovery + Cooler Hydraulic Connection + BPHE Hydraulic Connection
12	OPT 49 + OPT 266 + OPT 267	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

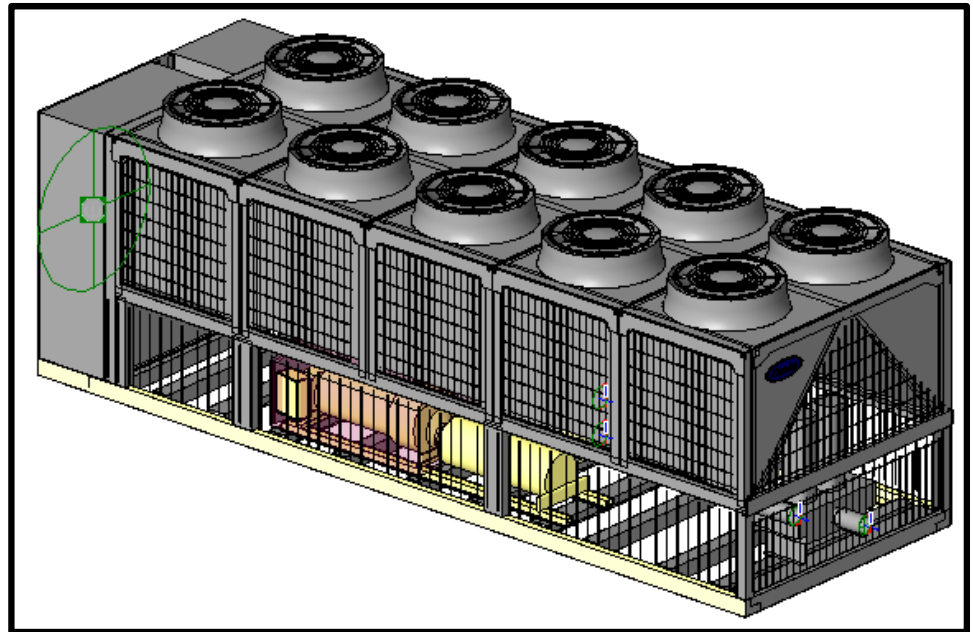
Type name: Opt 15L/LS + OPT23+Opt116A

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area	☐	=
Option_23	☒	=
Option293	☐	=
Opt23a	☐	=
OPT116-720 BP	☒	=
OPT116-720 HP	☐	=
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

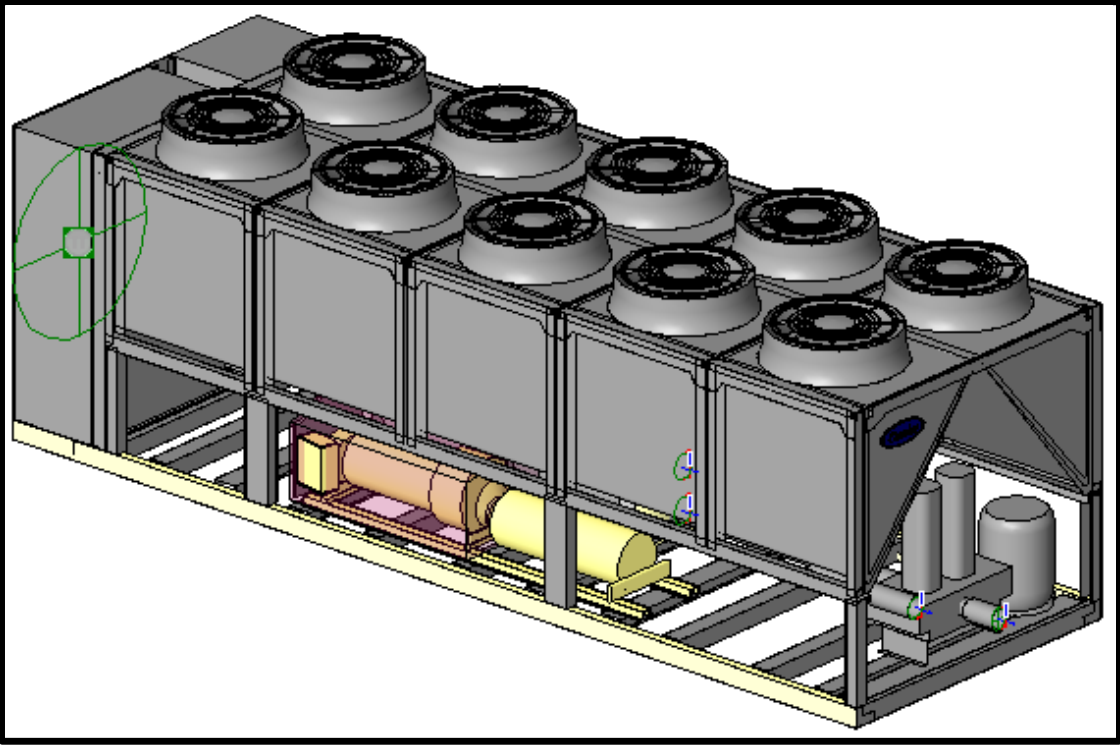
Type name: Opt 15L/LS + OPT293+Opt116A

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area	☐	=
Option_23	☐	=
Option293	☒	=
Opt23a	☐	=
OPT116-720 BP	☒	=
OPT116-720 HP	☐	=
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

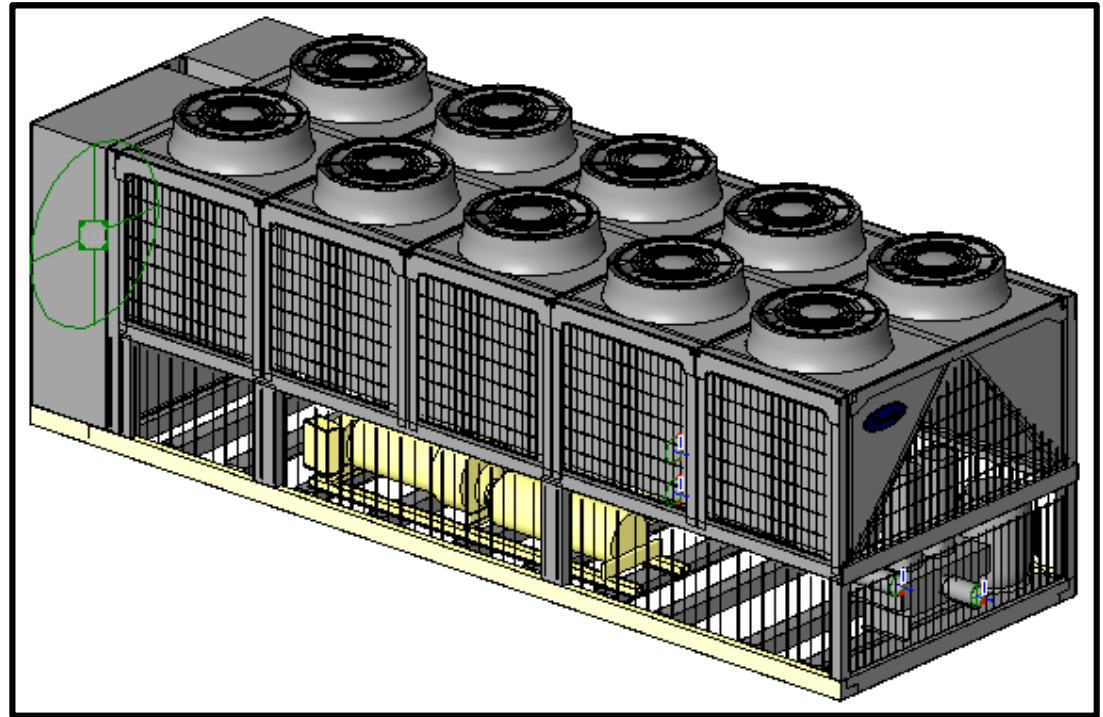
Type name: OPT 23 + OPT 116A+Opt293

Search parameters

Parameter	Value	
Construction		
OPT50	☐	"
OPT325 for OPT50	☐	"
OPT49	☐	"
OPT325 for OPT49	☐	"
Service Area	☐	"
Option_23	☒	"
Option293	☒	"
Opt23a	☐	"
OPT116-720 BP	☒	"
OPT116-720 HP	☐	"
15LS/15L	☐	"
Identity Data		

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



Opt 50 + Opt 266 + Opt 267

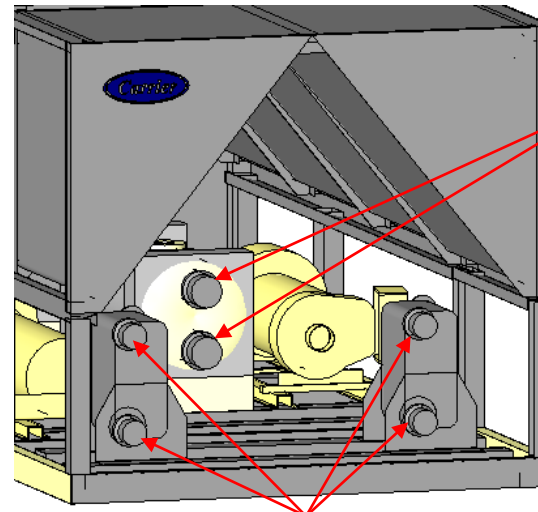
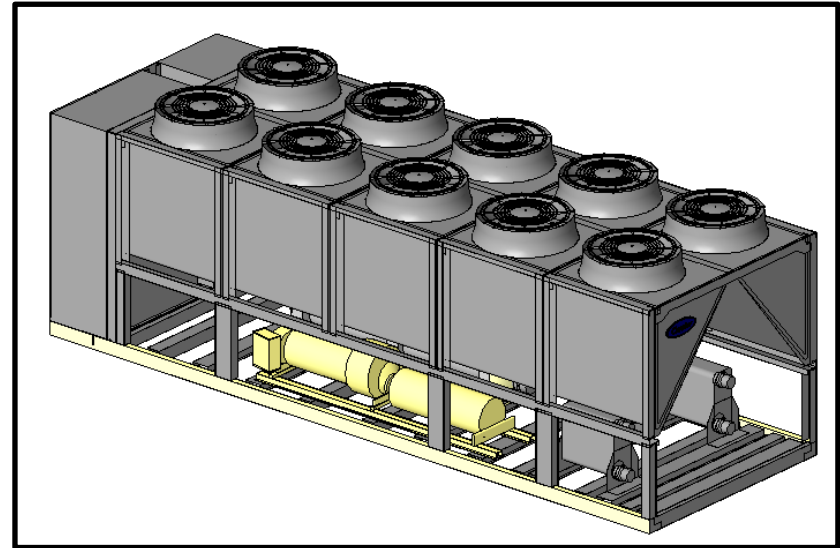
1) In this Slide Only Opt50 is shown, Same way Opt49 is also Configured.

Family Types

Type name: OPT50 + OPT266 + OPT267

Search parameters

Parameter	Value	Formula
Construction		
30KAV0720 / 30KAVZE0550	☒	=
30KAVIZE0800_OPT325	☐	=
30KAVIZE0800_OPT50/50PLUS	☐	=
30KAVIZE0800	☐	=
ATEX Zone	☐	=
OPT266	☒	=
OPT266_116_HYDKIT_BP_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	☐	=
Option_23	☐	=
Option293	☐	=
Opt23a	☐	=
OPT116-BP	☐	=
OPT116-HP	☐	=
15LS/15L	☐	=



Opt 266

Opt 267

Note: 30KAV0720 /30KAVZE0550 unit with STD Cooler is shown for this representation.

4 Combo Units

30KAV /30KAVZE/30KAVIZE REVIT DATA BASE

<u>30KAV /30KAVZE/30KAVIZE</u> <u>RANGE + INDUSTRY</u>	<u>Options Combinations</u>			
	OPT15/15LS + OPT23 + OPT116 + OPT293	OPT15/15LS + OPT23a + OPT116 + OPT293	OPT50 + OPT325 + OPT266 + OPT267	OPT49 + OPT325 + OPT266 + OPT267
30KAV0720 /30KAVZE0550	X	X	X	X
30KAVIZE0800	-	-	X	-

SL.No	Revit Option	Description
1	OPT 15/15LS + OPT 23 + OPT 116A + OPT 293	Comp Enclosure + Grill/Panel + Expansion Tank + Hydro Kit (BP)
2	OPT 15/15LS + OPT 23 + OPT 116W + OPT 293	Comp Enclosure + Grill/Panel + Expansion Tank + Hydro Kit (HP)
3	OPT 15/15LS + OPT 23a + OPT 116A + OPT 293	Comp Enclosure + Panel +Expansion Tank + Hydro Kit (BP)
4	OPT 15/15LS + OPT 23a + OPT 116W + OPT 293	Comp Enclosure + Panel +Expansion Tank + Hydro Kit (HP)
5	OPT 50 + OPT 325 + OPT 266 + OPT 267	Total Heat Recovery + Water Pipe + Cooler Hydraulic Connection + BPHE Hydraulic Connection
6	OPT 49 + OPT 325 + OPT 266 + OPT 267	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

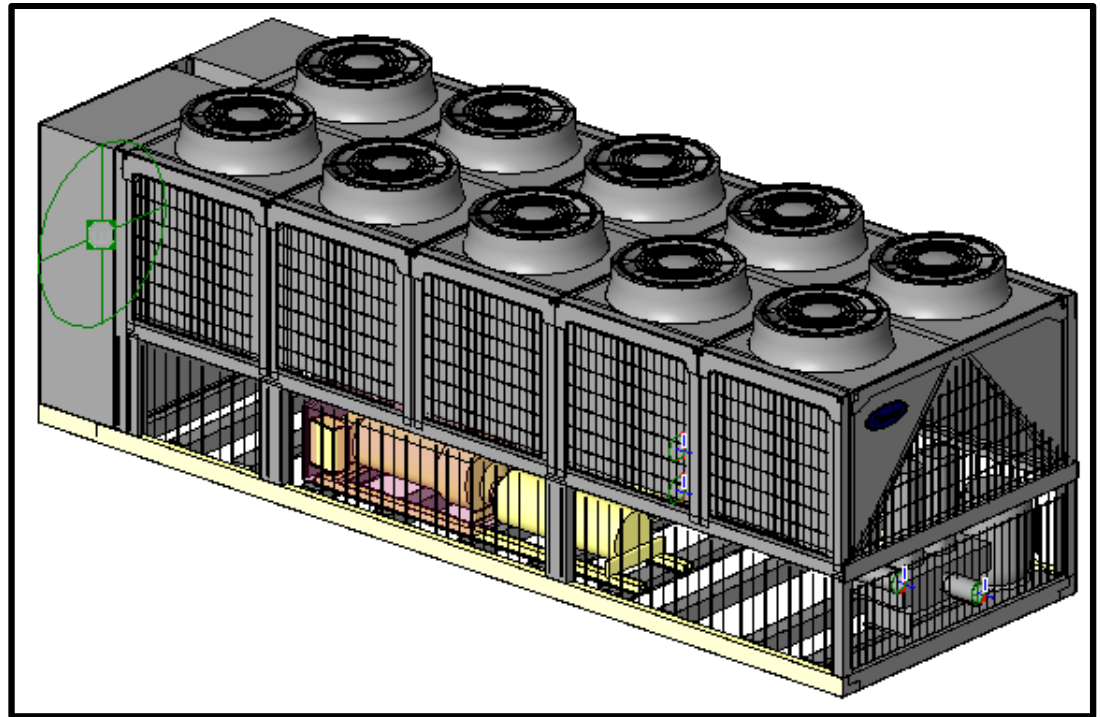
Family Types

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

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT325 for OPT50	☐
OPT49	☐
OPT325 for OPT49	☐
Service Area	☐
Option_23	☒
Option293	☒
Opt23a	☐
OPT116-720 BP	☒
OPT116-720 HP	☐
15LS/15L	☒
Identity Data	

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

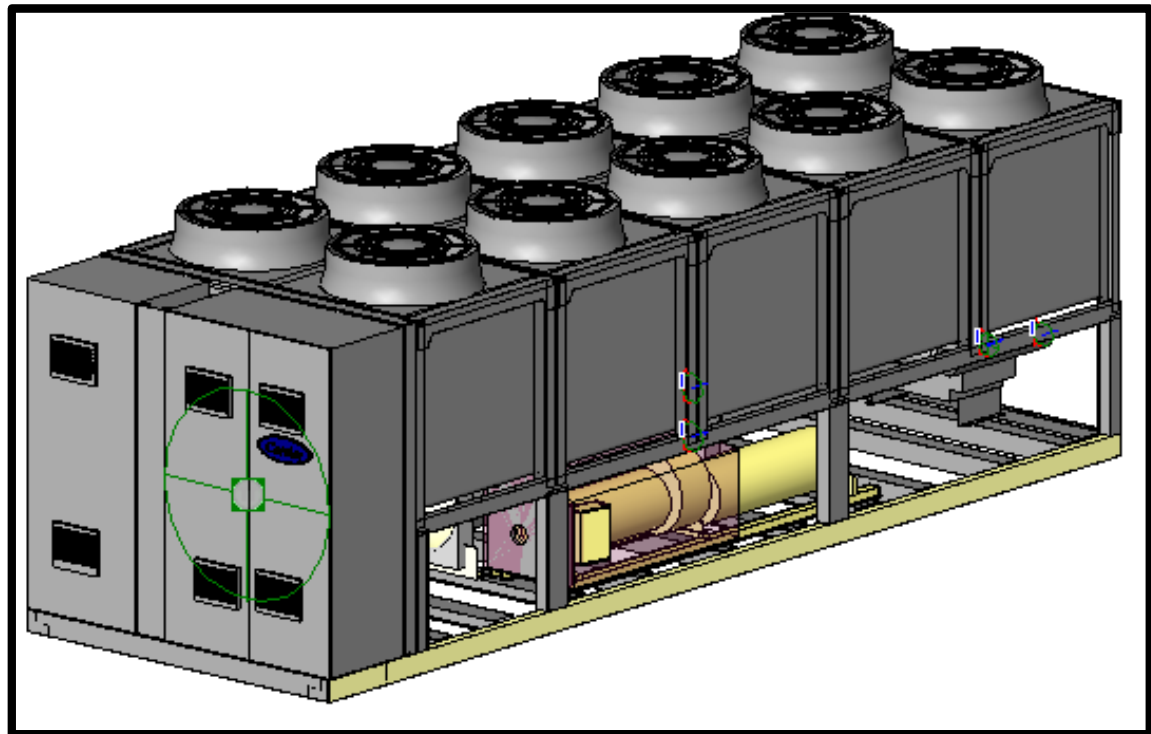
Type name: Opt 15L/LS + OPT23a+Opt116A+OPT293

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area	☐	=
Option_23	☐	=
Option293	☒	=
Opt23a	☒	=
OPT116-720 BP	☒	=
OPT116-720 HP	☐	=
15LS/15L	☒	=
Identity Data		

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



Opt 50 + Opt 325 + Opt 266 + Opt 267

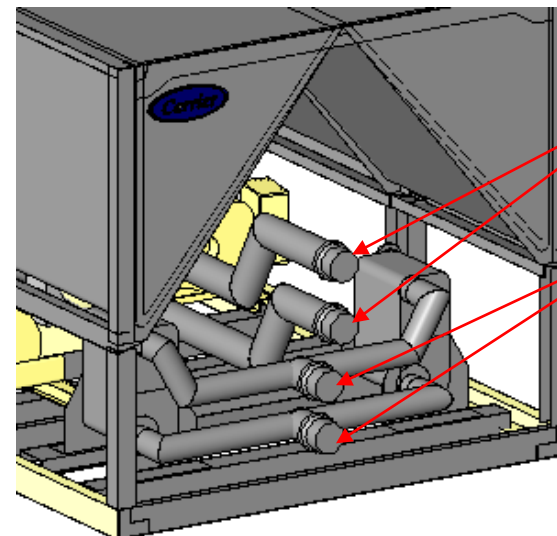
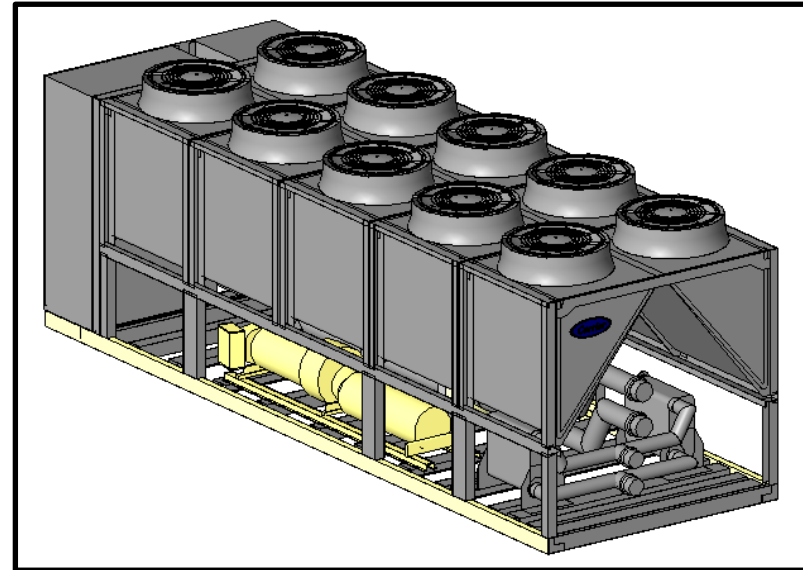
1) In this Slide Only Opt50 is shown, Same way Opt49 is also Configured.

Family Types

Type name: OPT50 + OPT325 + OPT266 + OPT267

Search parameters

Parameter	Value	Formula
Construction		
30KAV0720 / 30KAVZE0550	☒	=
30KAVIZE0800_ OPT325	☐	=
30KAVIZE0800_ OPT50/50PLUS	☐	=
30KAVIZE0800	☐	=
ATEX Zone	☐	=
OPT266	☐	=
OPT266_116_HYDKIT_BP_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	☐	=
Option_23	☐	=
Option293	☐	=
Opt23a	☐	=
OPT116-BP	☐	=
OPT116-HP	☐	=
15LS/15L	☐	=



Opt 266

Opt 267

Note: 30KAV0720 /30KAVZE0550 unit with STD Cooler is shown for this representation.

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

STD Unit

Properties

Connector Element (1) Edit Type

Dimensions

Diameter 168.3

Mechanical

K Coefficient 0.000000

Flow Factor 0.000000

Flow Configuration Calculated

Flow Direction In

Loss Method Not Defined

Allow Slope Adjust... ☐

System Classification Hydronic Supply

Mechanical - Flow

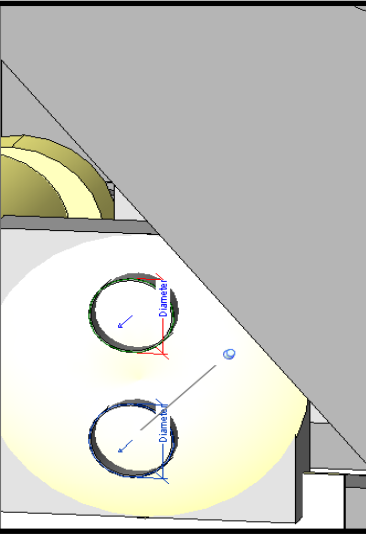
Flow 0.000 GPM

Pressure Drop 0.000 psi

Identity Data

Utility ☐

Connector Descripti... Cooler Inlet



Connector Element (1) Edit Type

Dimensions

Diameter 168.3

Mechanical

K Coefficient 0.000000

Flow Factor 0.000000

Flow Configuration Calculated

Flow Direction Out

Loss Method Not Defined

Allow Slope Adjust... ☐

System Classification Hydronic Supply

Mechanical - Flow

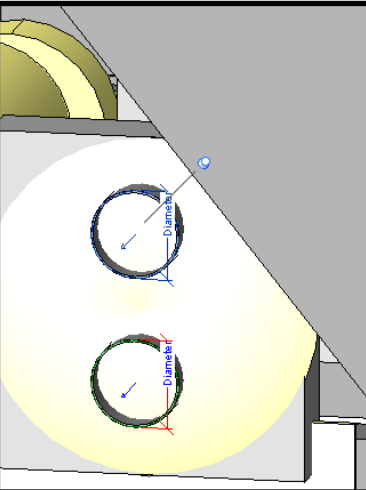
Flow 0.000 GPM

Pressure Drop 0.000 psi

Identity Data

Utility ☐

Connector Descripti... Cooler Outlet



Industry Unit

Connector Element (1) Edit Type

Dimensions

Diameter 220.7

Mechanical

K Coefficient 0.000000

Flow Factor 0.000000

Flow Configuration Calculated

Flow Direction In

Loss Method Not Defined

Allow Slope Adjust... ☐

System Classification Hydronic Supply

Mechanical - Flow

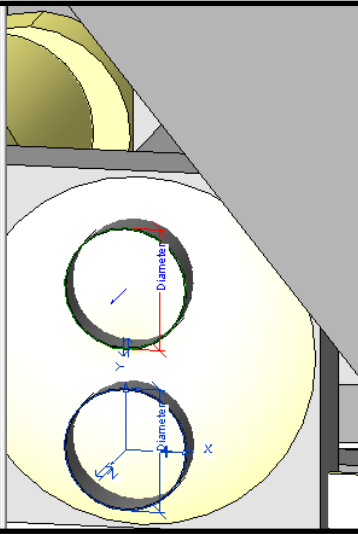
Flow 0.000 GPM

Pressure Drop 0.000 psi

Identity Data

Utility ☐

Connector Descripti... Cooler Inlet



Connector Element (1) Edit Type

Dimensions

Diameter 219.1

Mechanical

K Coefficient 0.000000

Flow Factor 0.000000

Flow Configuration Calculated

Flow Direction Out

Loss Method Not Defined

Allow Slope Adjust... ☐

System Classification Hydronic Supply

Mechanical - Flow

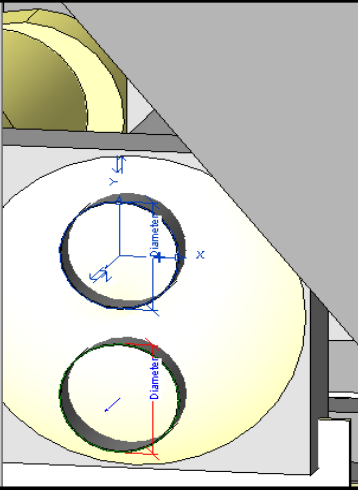
Flow 0.000 GPM

Pressure Drop 0.000 psi

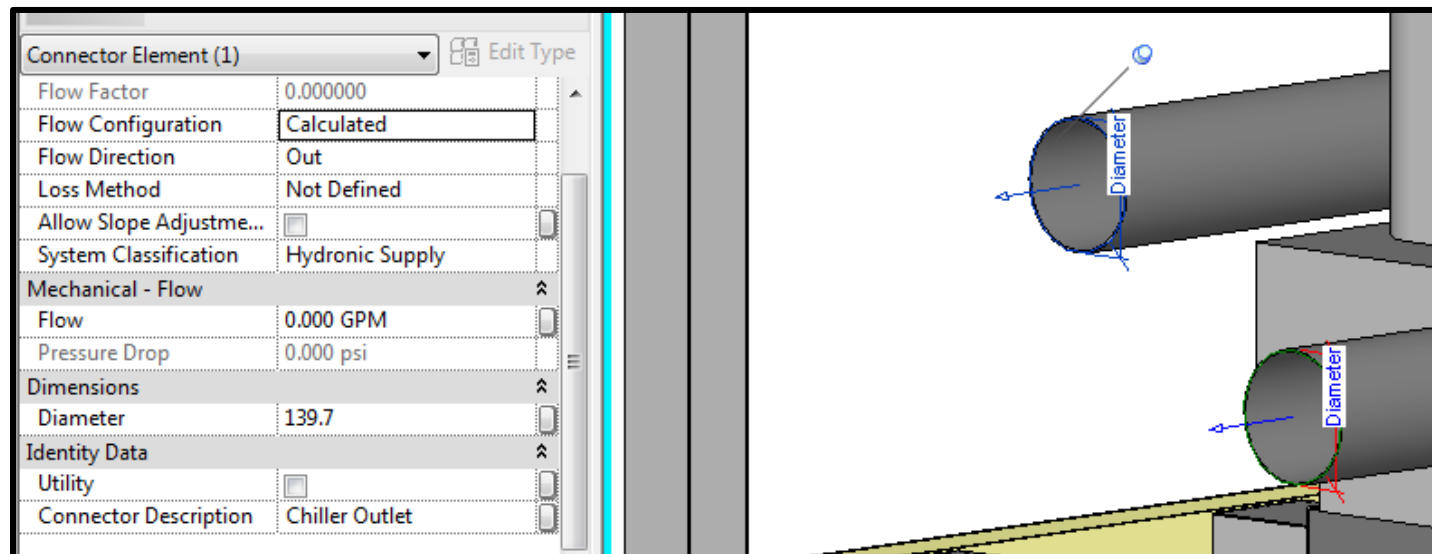
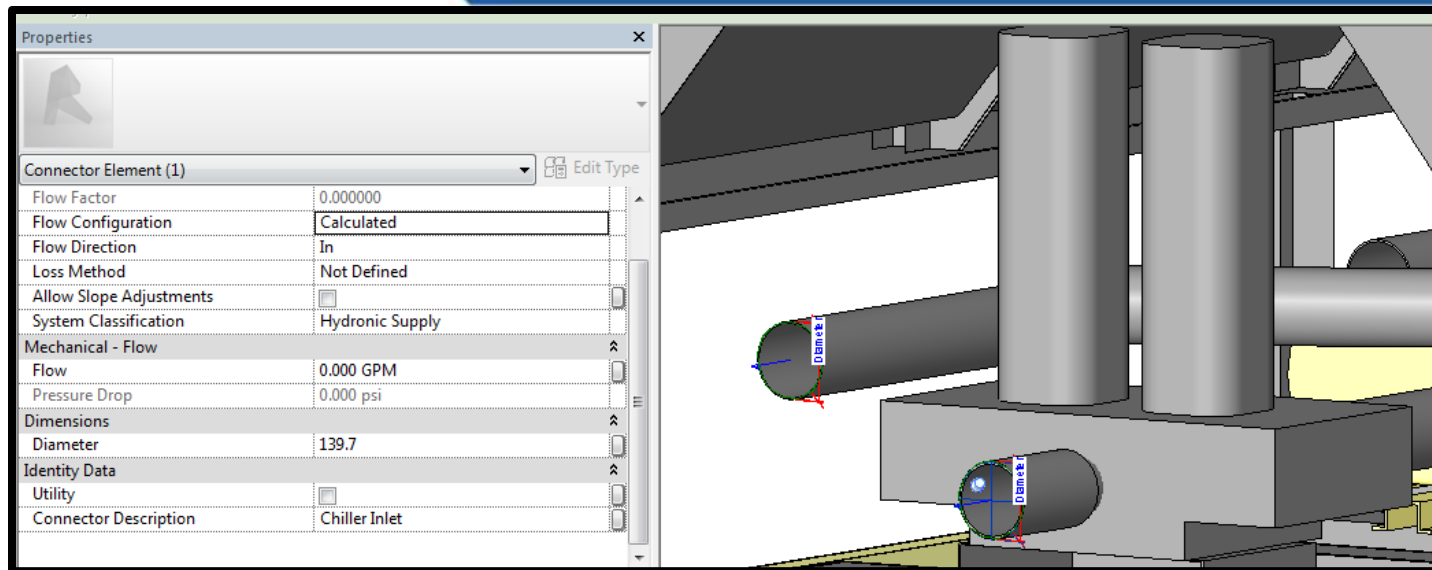
Identity Data

Utility ☐

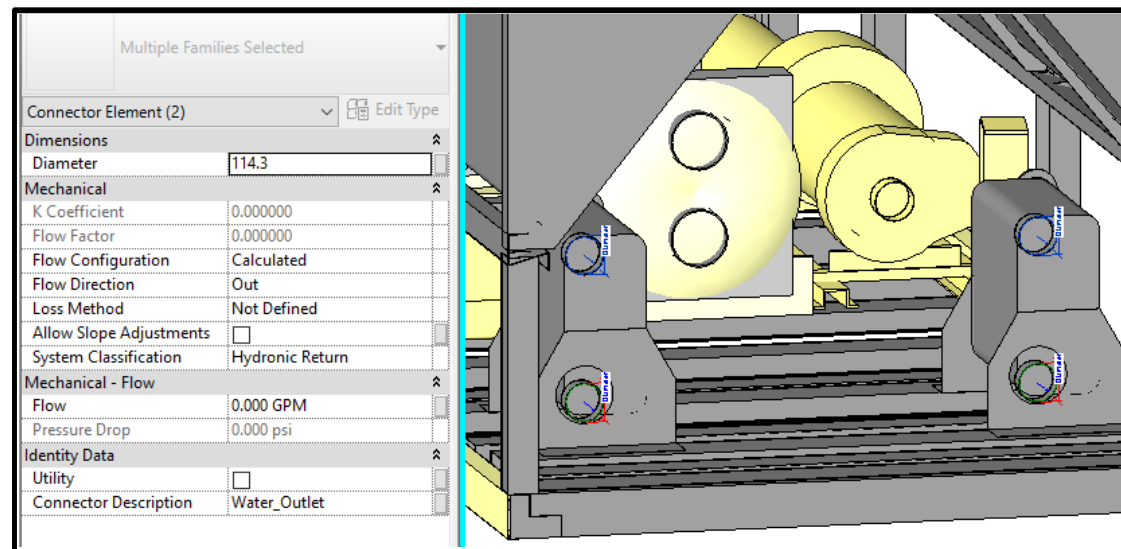
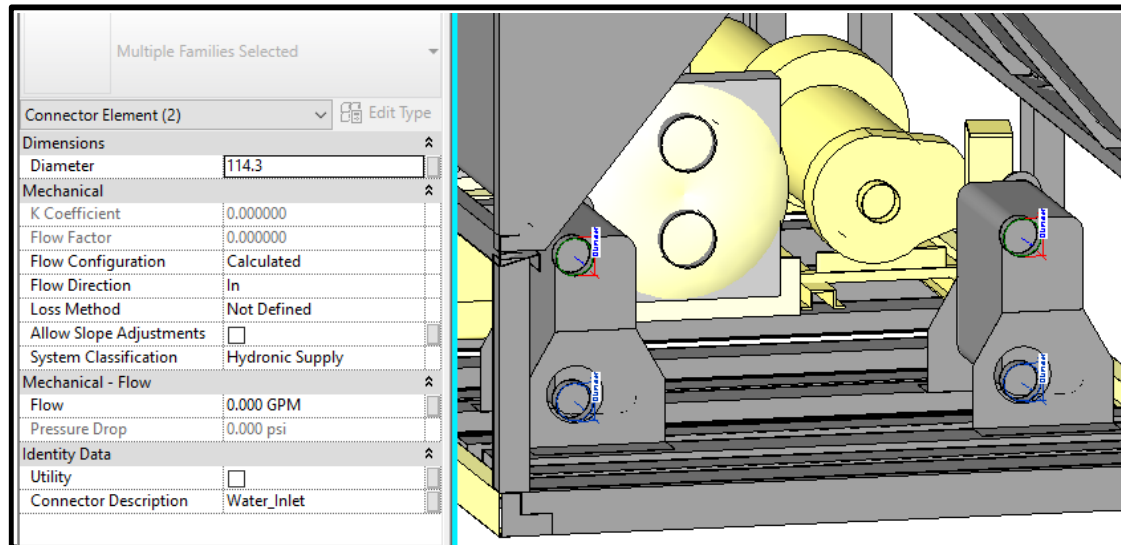
Connector Descripti... Cooler Inlet



Chiller Inlet / Outlet (Customer Connection)



Total Heat Recovery (Opt50) Inlet / Outlet

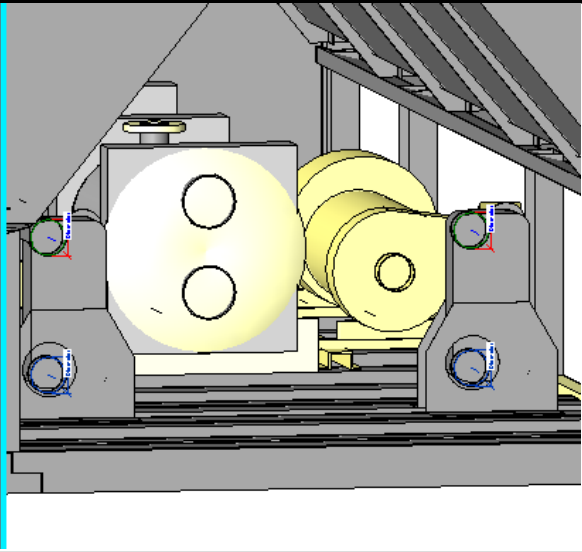


Partial Heat Recovery (Opt49) Inlet / Outlet

Multiple Families Selected

Connector Element (2) Edit Type

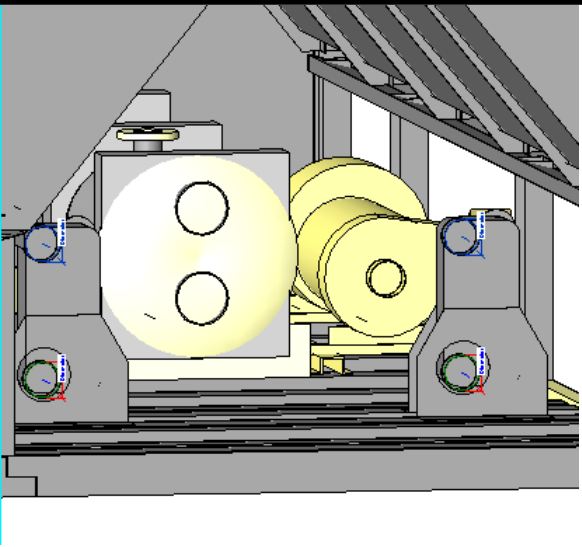
Dimensions	
Diameter	114.3
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	In
Loss Method	Not Defined
Allow Slope Adjustments	☐
System Classification	Hydronic Supply
Mechanical - Flow	
Flow	0.000 GPM
Pressure Drop	0.000 psi
Identity Data	
Utility	☐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

A 3D CAD model of a hydronic system. It features a central white cylindrical tank with two circular openings. To the right of the tank are two yellow cylindrical components, likely heat exchangers or pumps, mounted on a grey structural frame. The system is connected to various pipes and fittings. A blue arrow indicates the flow direction into the white tank, corresponding to the 'Water_Inlet' connector described in the properties panel.

Multiple Families Selected

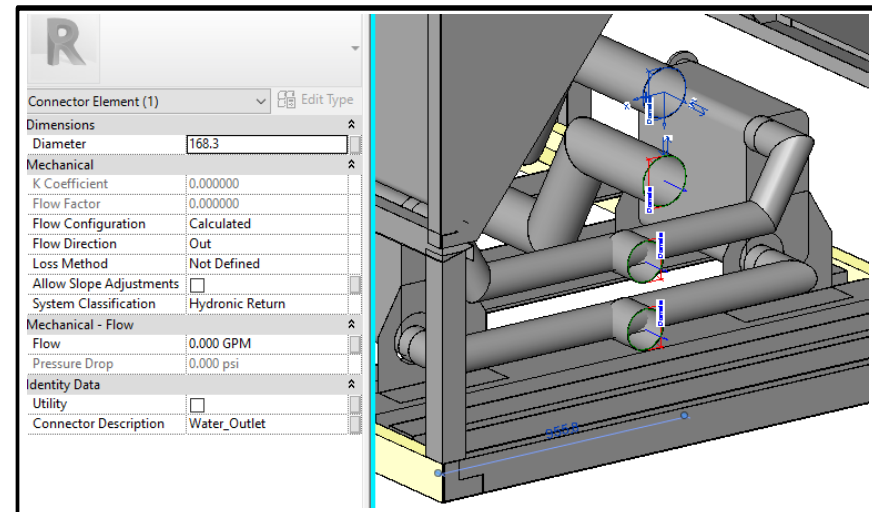
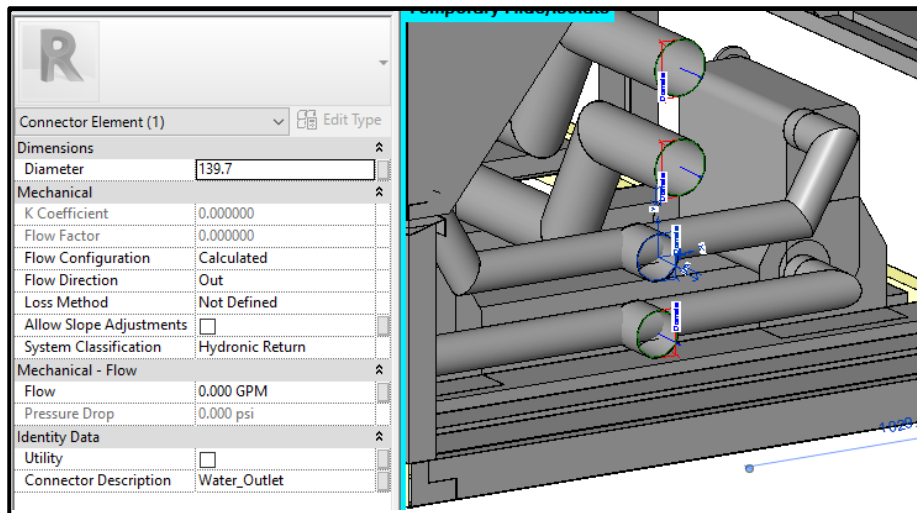
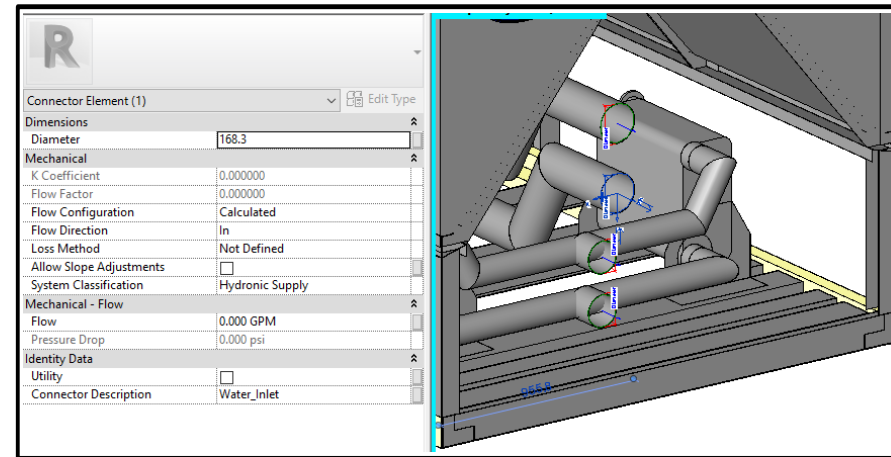
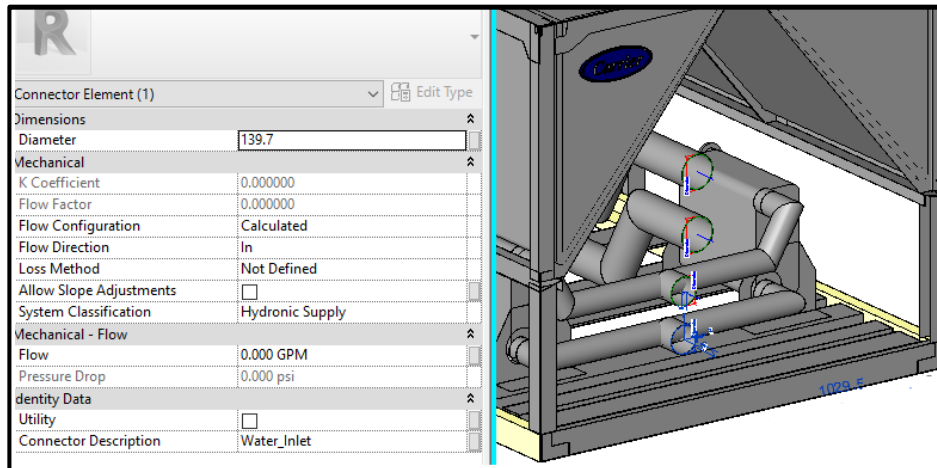
Connector Element (2) Edit Type

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

A 3D CAD model of a hydronic system, identical to the one above. It shows a white cylindrical tank, yellow components, and a grey frame. In this view, a blue arrow indicates the flow direction out of the white tank, corresponding to the 'Water_Outlet' connector described in the properties panel.

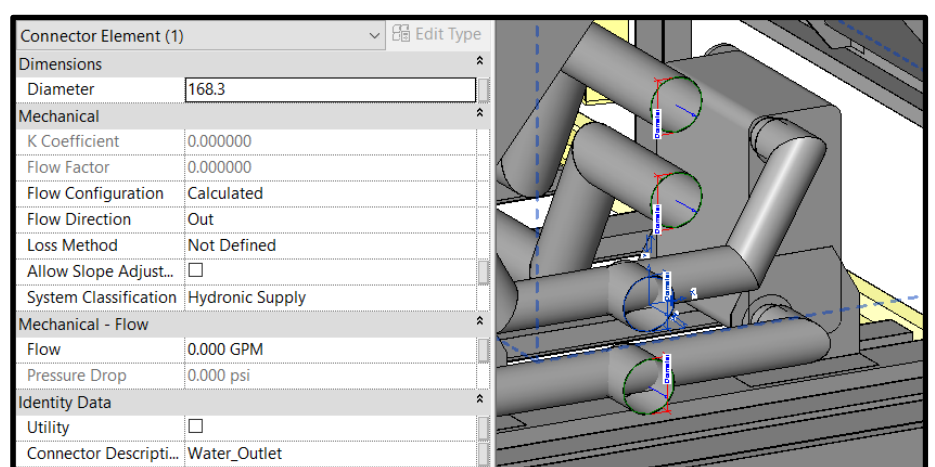
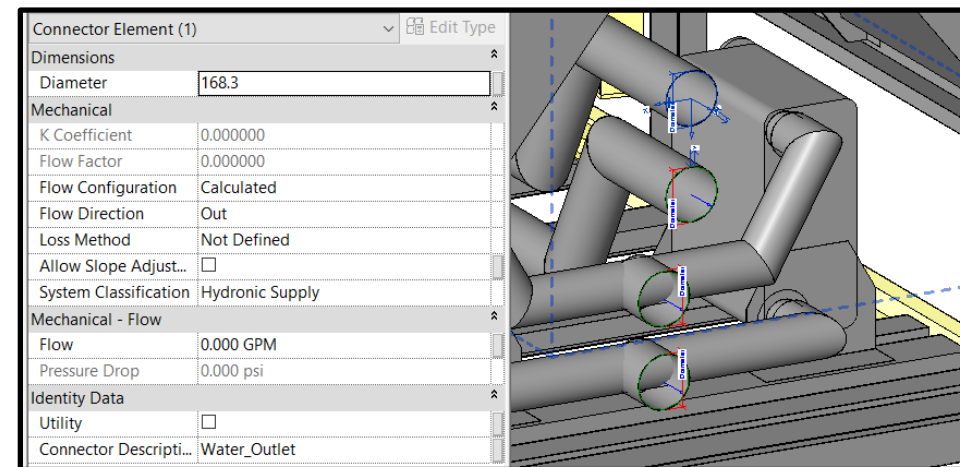
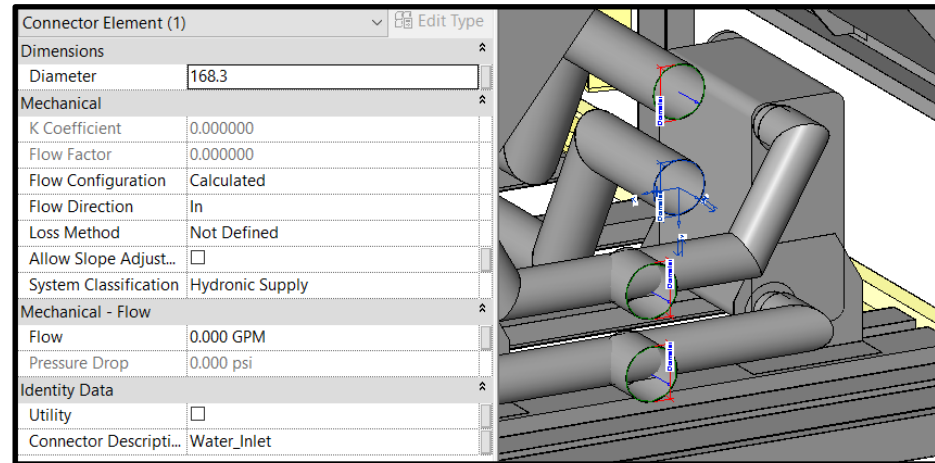
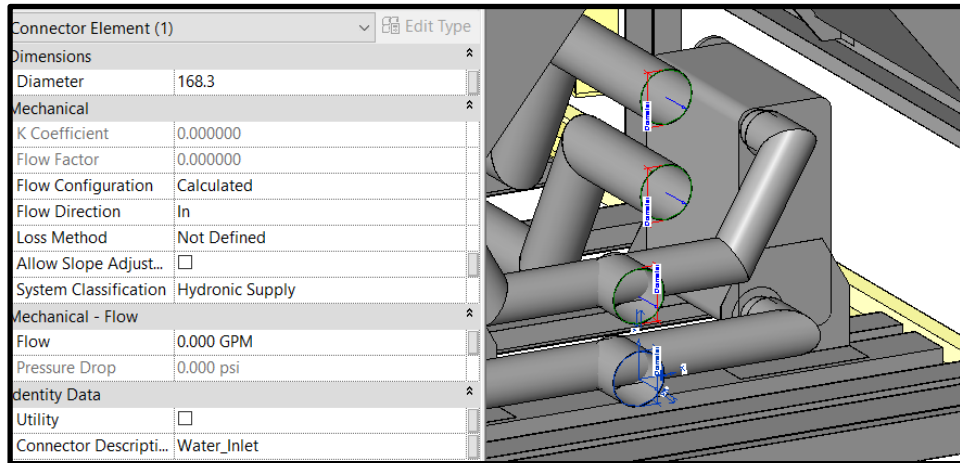
Total Heat Recovery (Opt50) + Opt325 Inlet / Outlet

STD Unit

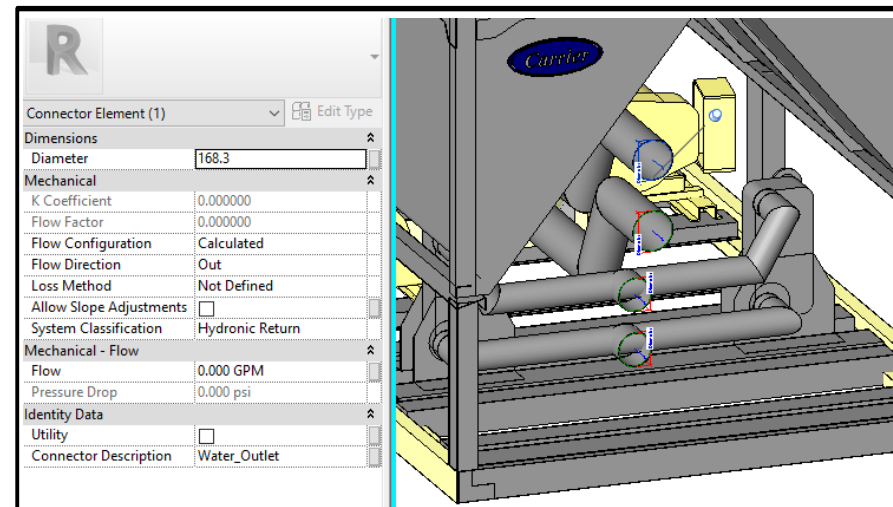
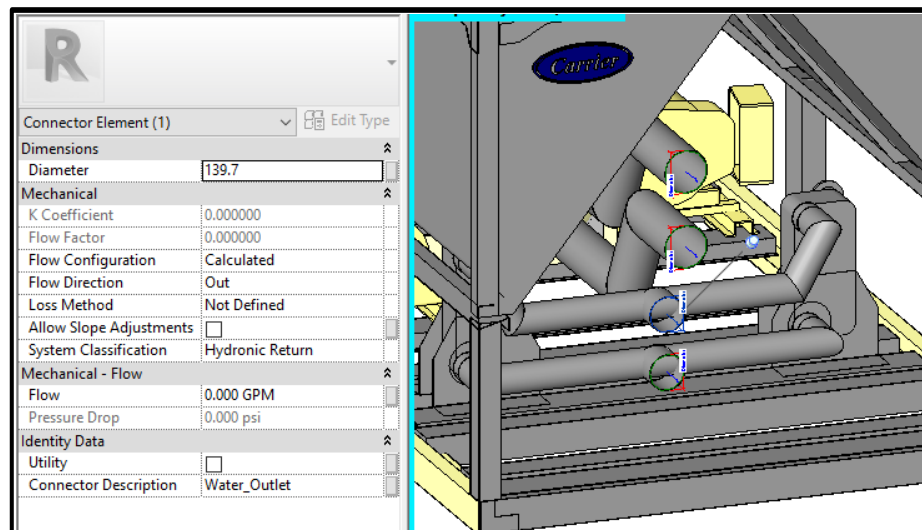
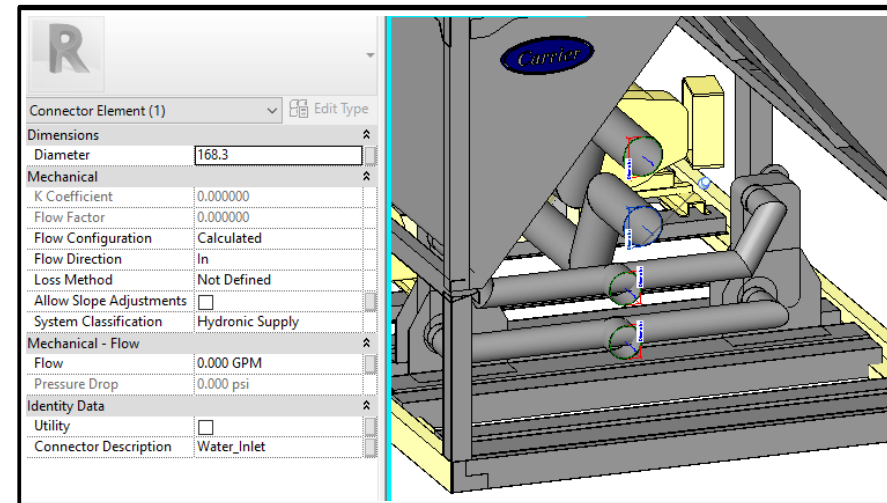
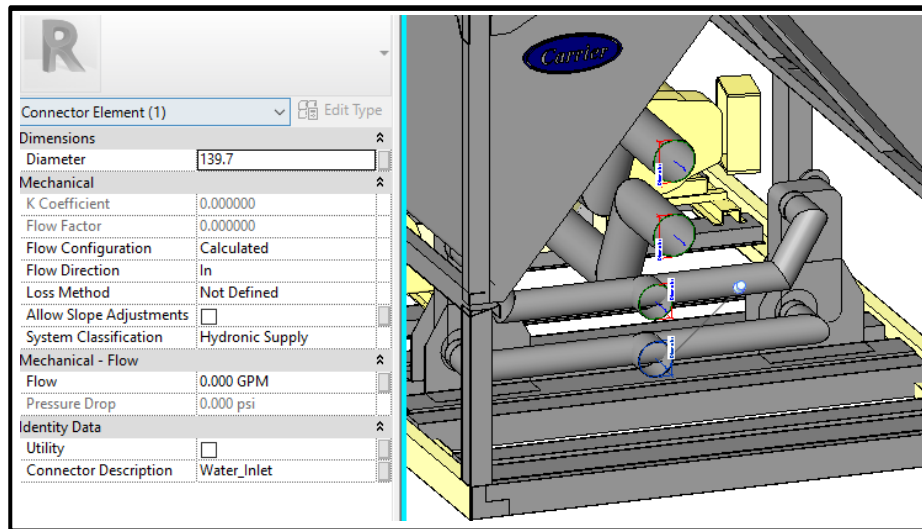


Total Heat Recovery (Opt50) / Opt 325 Inlet / Outlet

Industry Unit



Partial Heat Recovery (Opt49) + Opt325 Inlet / Outlet



Electrical Box Connection



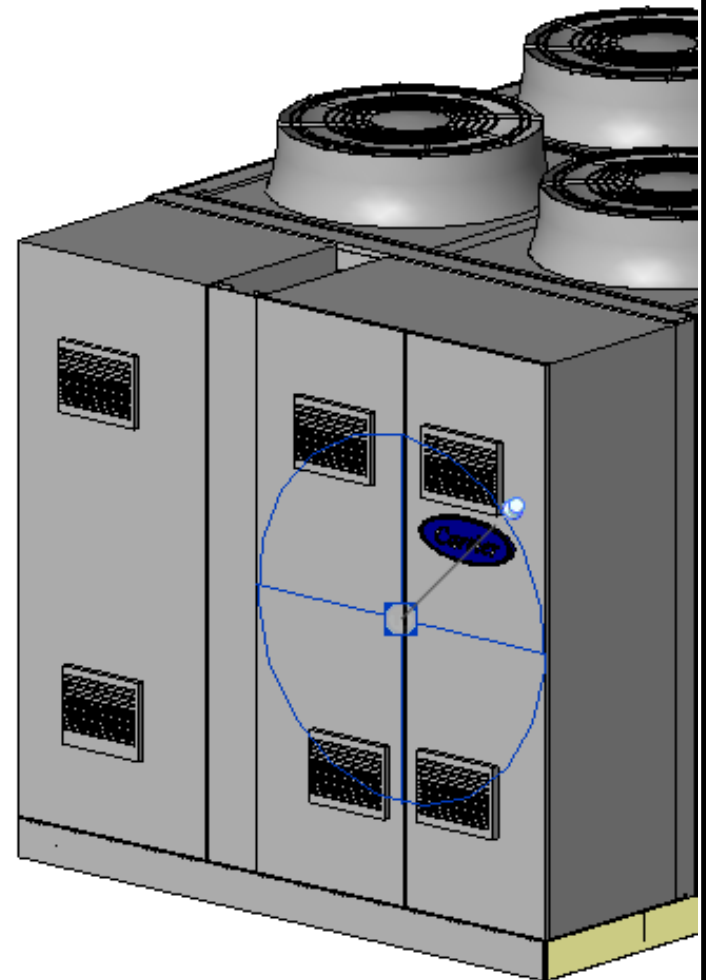
Connector Element (1)  Edit Type

Electrical - Loads 

System Type	Power - Unbalanced
Number of Poles	1
Power Factor State	Lagging
Load Classification	Other
Load Sub-Classification Motor	☐
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 720



Carrier Logo

