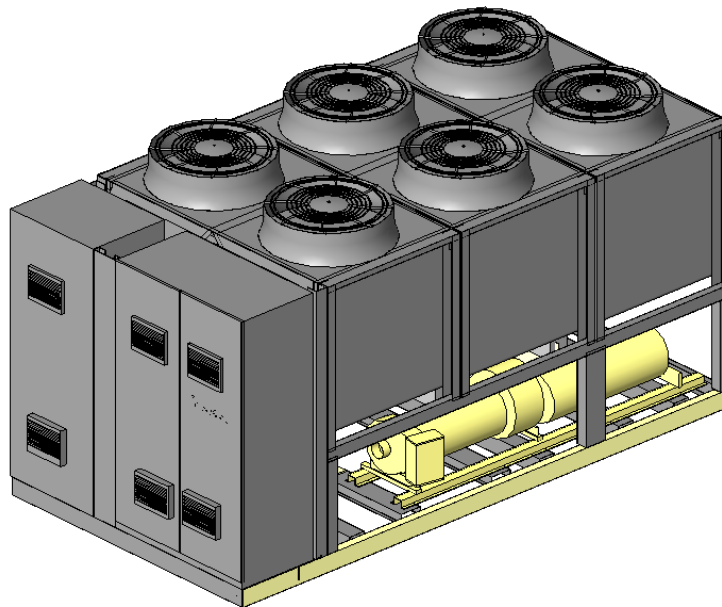


***30KAV0500 /30KAVZE0350/
30KAVIZE0500***



Slide Numbers

- | | |
|-------------------------------------|---------|
| 1. Excel sheet Data to Revit Option | 3 |
| 2. Operation of the Revit file | 4 - 41 |
| 3. Connector Information | 41 - 50 |

Excel to Revit File Conversation

30KAV /30KAVZE/30KAVIZE REVIT DATA BASE

30KAV /30KAVZE/30KAVIZE RANGE + INDUSTRY	<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)
30KAV0500 /30KAVZE0350	X	X	X	X	X	X	X	X	X
30KAVIZE0500	X	-	-	X	X	X	X	-	X

SINGLE OPTION

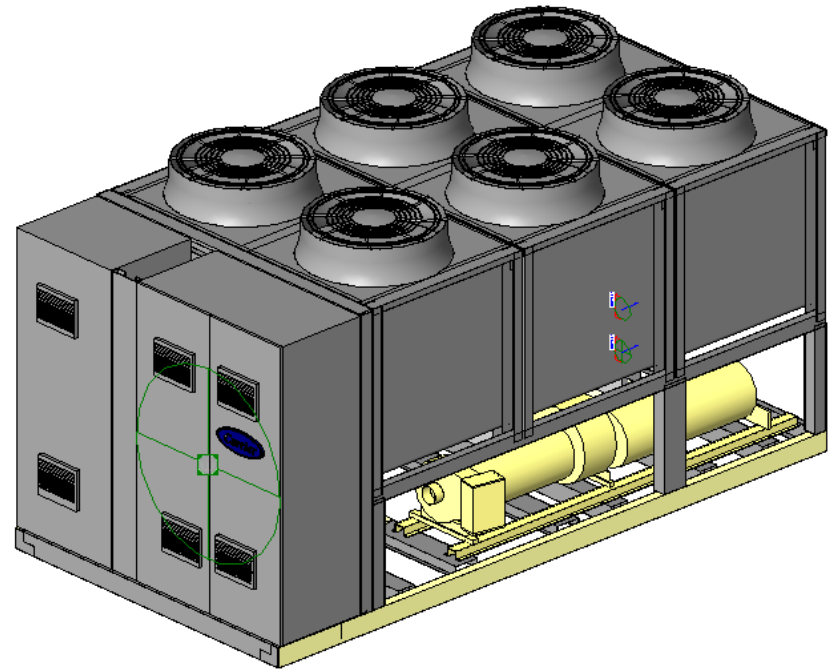
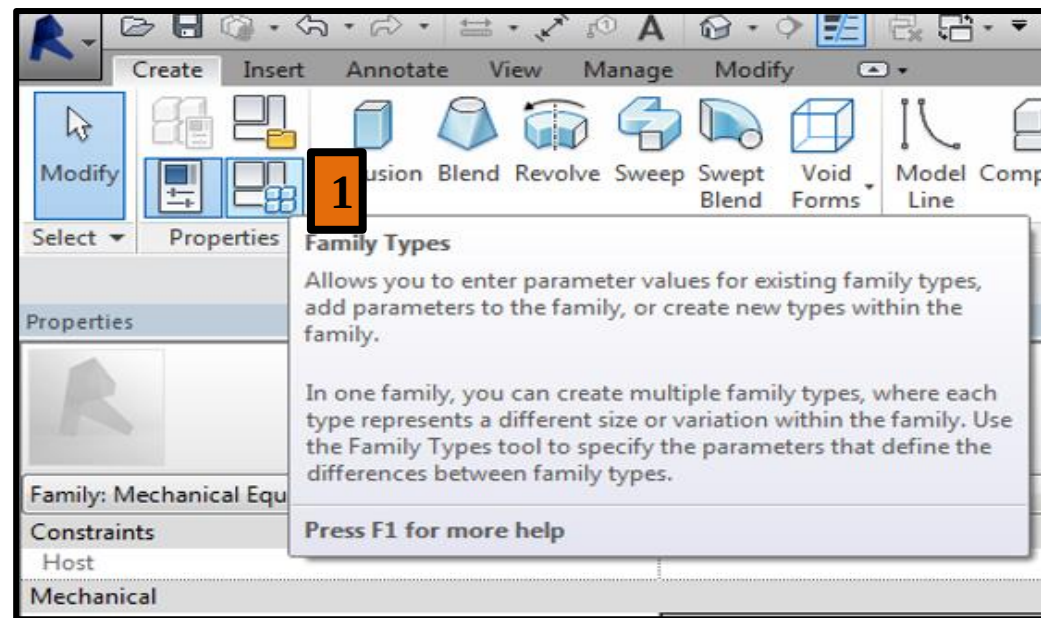
SL.No	Revit Option	Description
1	30KAV0500 /30KAVZE0350	Standard Components
2	30KAVIZE0500	Standard Components
3	Option 15/15LS	Standard Unit + Comp Enclosure
4	Option 23	Standard unit + Coil Protection + Grill
5	Option 23A	Standard unit + Coil Protection
6	Option 116A	Standard unit + Low Pressure Duble 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

Family Types		
Type name:	30KAV0500 / 30KAVZE0350	
Search param	30KAVZE0500	
	30KAVZE0500-OPT5	
	30KAVZE0500-OPT5 + OPT50/50PLUS	
	30KAVZE0500-OPT50/50PLUS	
	Opt 15/15LS + Opt 23	
	Opt 15/15LS + Opt 23a	
Constructio	Opt 15L/15LS+Opt23 + Opt116A	
30KAV0500	Opt 15L/15LS+Opt23 + Opt116W	
30KAVIZE05	Opt 15L/15LS+Opt23a + Opt116A	
ATEX Zone	Opt 15L/15LS+Opt23a + Opt116W	
ATEX Zone	Opt 15L/15LS+Opt293+ Opt116A	
	Opt 15L/15LS+Opt293+ Opt116W	
OPT266	Opt 15L/LS + OPT23+Opt116A+OPT293	
OPT266_116	Opt 15L/LS + OPT23+Opt116W+OPT293	
OPT266_116	Opt 15L/LS + OPT23a+Opt116A+OPT293	
	Opt 15L/LS + OPT23a+Opt116W+OPT293	
OPT49+OPT	Opt 23	
OPT49+OPT	Opt 23+Opt293+ Opt116A	
OPT49+OPT	Opt 23+Opt293+ Opt116W	
OPT50+OPT	Opt 23a+Opt293+ Opt116A	
OPT50+OPT	Opt 23a+Opt293+ Opt116W	
OPT50+OPT	OPT116A + OPT266	
OPT50_OPT	OPT116W + OPT266	
OPT49_OPT	OPT15/15LS	
OPT50	OPT23 KIT	
OPT325 for	Opt23+116W	
OPT49	Opt23a	
	Opt23a_Kit	
	Opt23a+116W	
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	☐	=

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: 30KAV0500 / 30KAVZE0350

Search param

30KAVIZE0500

30KAVIZE0500-OPT5

30KAVIZE0500-OPT5 + OPT50/50PLUS

30KAVIZE0500-OPT50/50PLUS

Opt 15/15ls +Opt 23

Constructio Opt 15/15ls +Opt 23a

30KAV0500 Opt 15L/15LS+Opt23 + Opt116A

30KAVIZE05 Opt 15L/15LS+Opt23 + Opt116W

Opt 15L/15LS+Opt23a + Opt116A

ATEX Zone Opt 15L/15LS+Opt23a + Opt116W

ATEX Zone Opt 15L/15LS+Opt293+ Opt116A

Opt 15L/15LS+Opt293+ Opt116W

OPT266 Opt 15L/LS + OPT23+Opt116A+OPT293

OPT266_116 Opt 15L/LS + OPT23+Opt116W+OPT293

Opt 15L/LS + OPT23a+Opt116A+OPT293

OPT266_116 Opt 15L/LS + OPT23a+Opt116W+OPT293

Opt 23

OPT49+OPT Opt 23+Opt293+ Opt116A

OPT49+OPT Opt 23+Opt293+ Opt116W

OPT50+OPT Opt 23a+Opt293+ Opt116A

Opt 23a+Opt293+ Opt116W

OPT50+OPT OPT116A + OPT266

OPT50_OPT OPT116W + OPT266

OPT15/15LS

OPT49_OPT OPT23 KIT

Opt23+116W

OPT50 Opt23a

OPT325 for Opt23a_Kit

Opt23a+116W

OPT49

Formula		
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	☐	=

Family Types

2

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	☐	=
OPT325	☐	=
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	☐	=

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

30KAV0500 /30KAVZE0350 /30KAVIZE0500

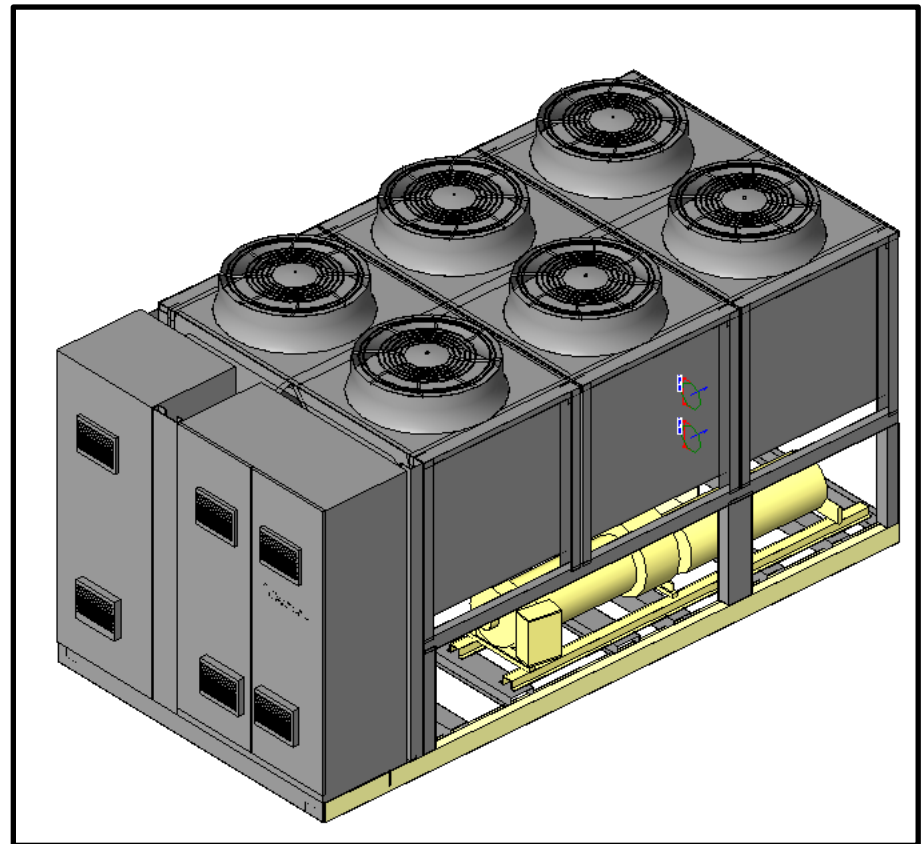
Note: Follow Step 1&2 as explained in Previous slides, to select the option.

Family Types

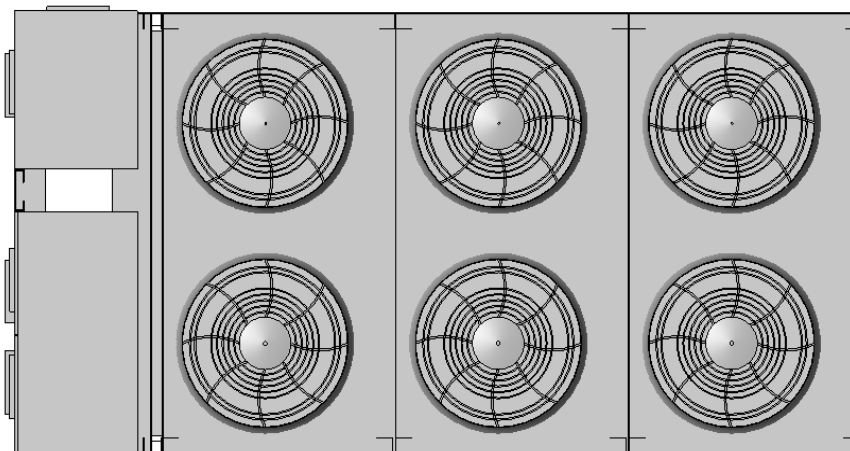
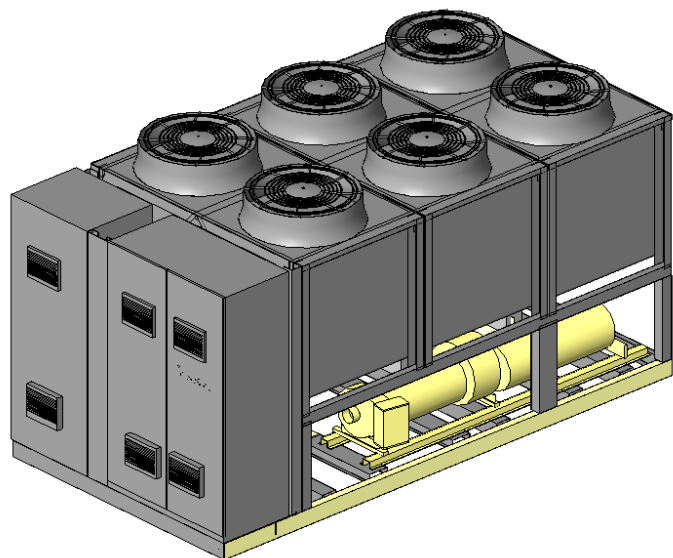
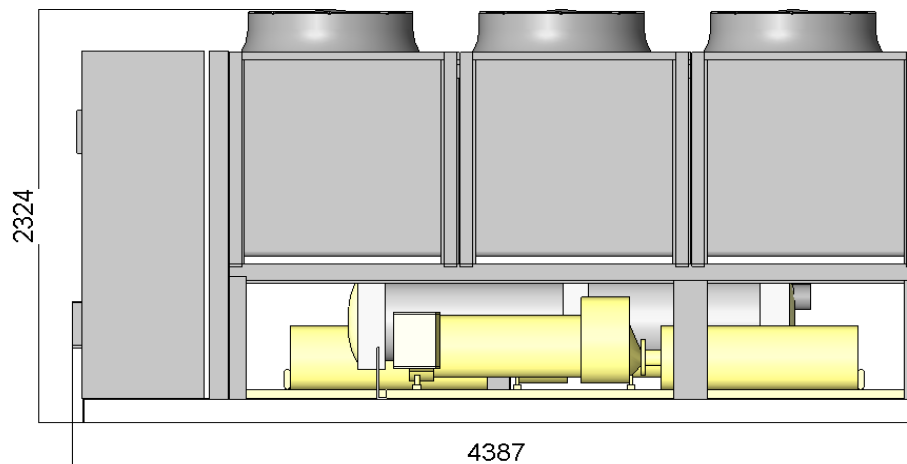
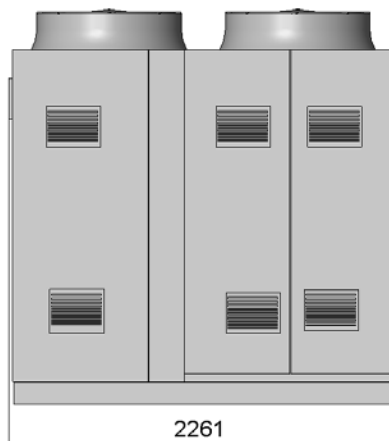
Type name: 30KAV0500 / 30KAVZE0350

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	☐	=

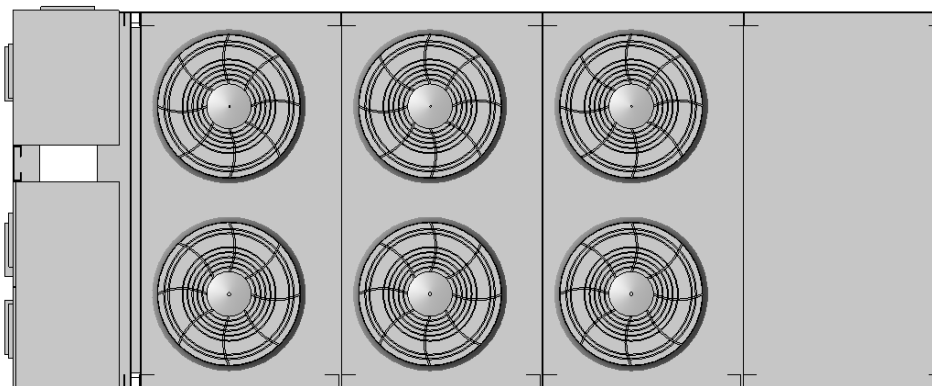
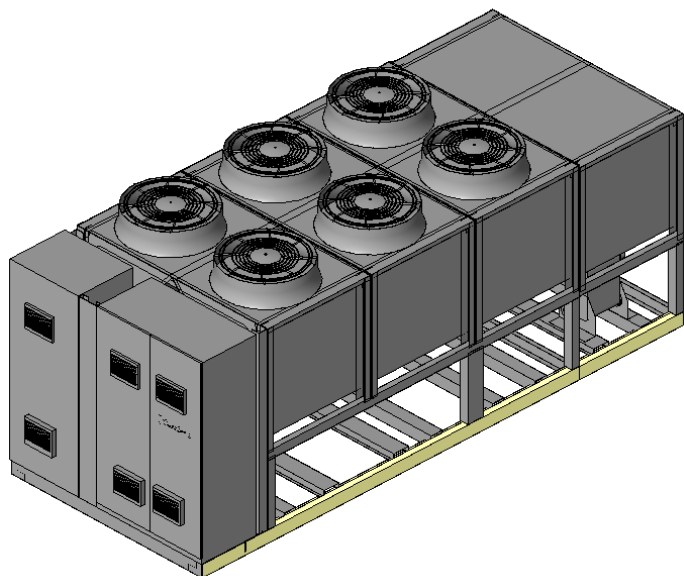
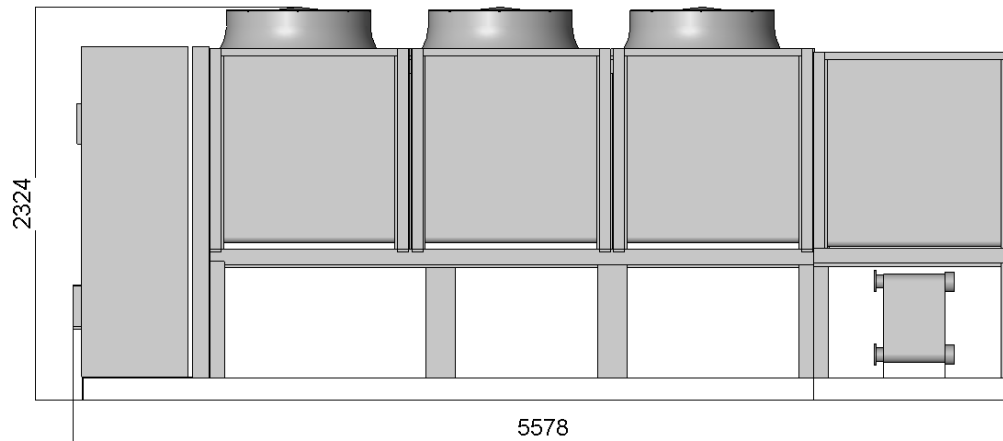
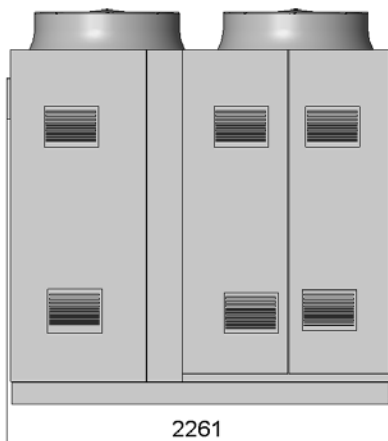


30KAV0500 /30KAVZE0350 /30KAVIZE0500



STD

30KAV0500 /30KAVZE0350 /30KAVIZE0500



TOTAL HEAT RECOVERY

Option 15/15LS

Low Noise Enclosure
Standard unit + Enclosure

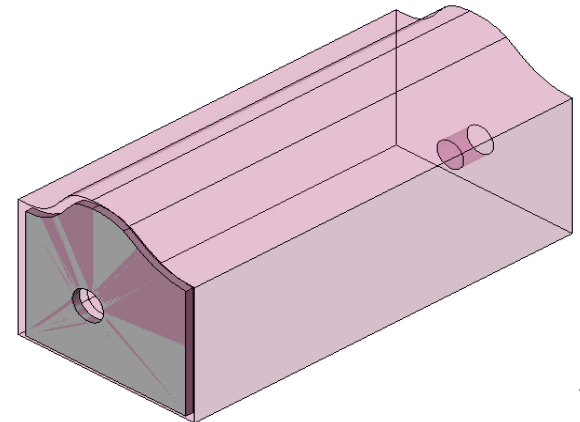
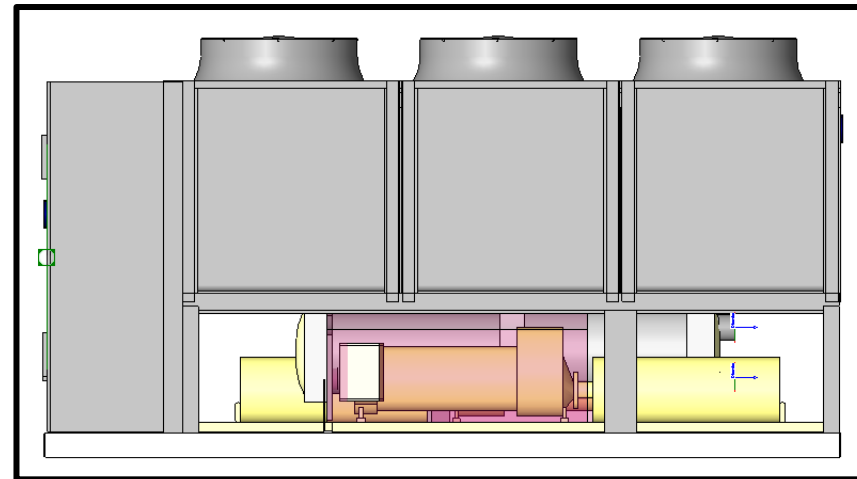
Family Types

Type name: OPT15/15LS

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT325 for OPT50	☐	=
OPT49	☐	=
OPT325 for OPT49	☐	=
Service Area+ 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

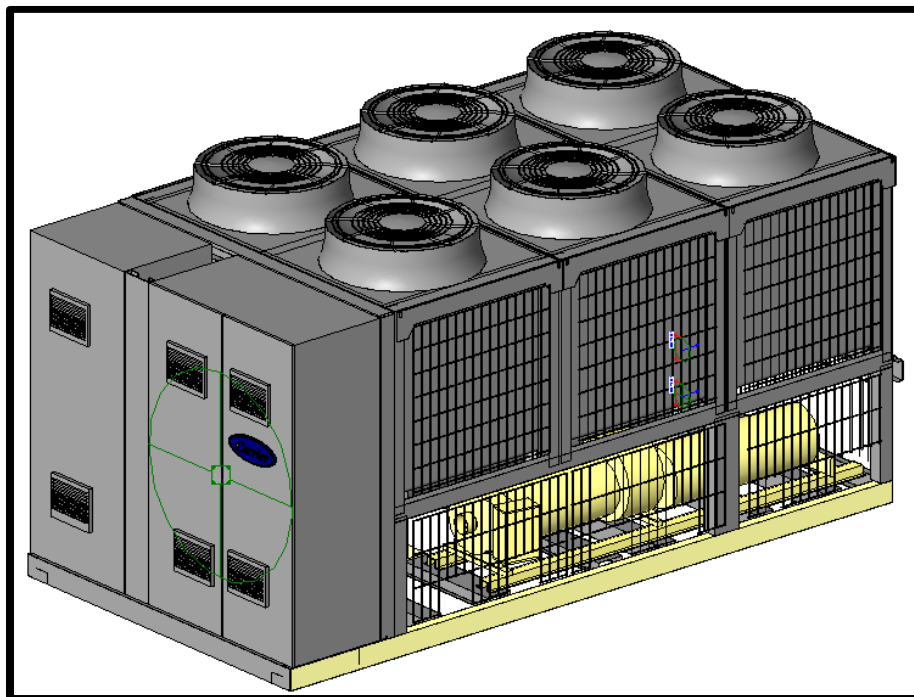
Type name: Opt 23

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	

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Option 23a

Coil panel protection Standard unit + panel

Family Types

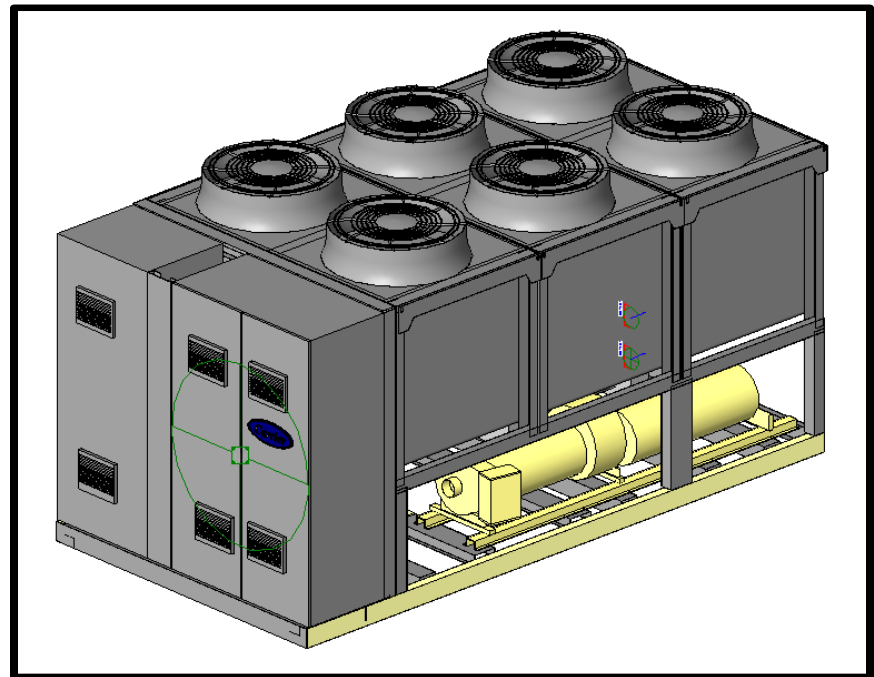
Type name: Opt23a

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

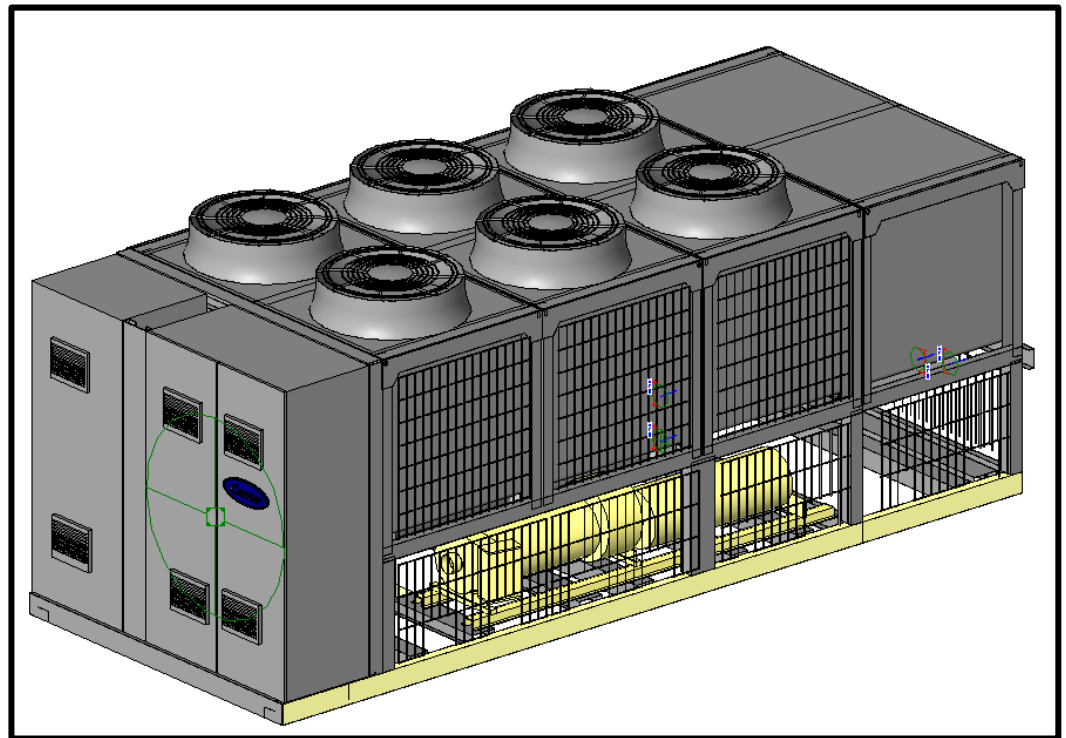
Type name: OPT23 KIT

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

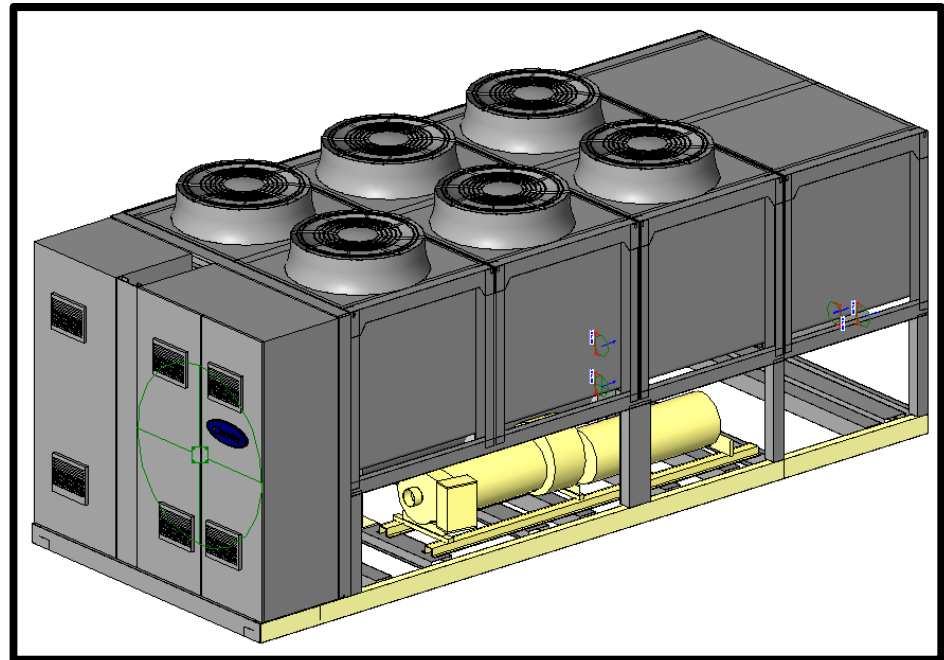
Type name: Opt23a_Kit

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

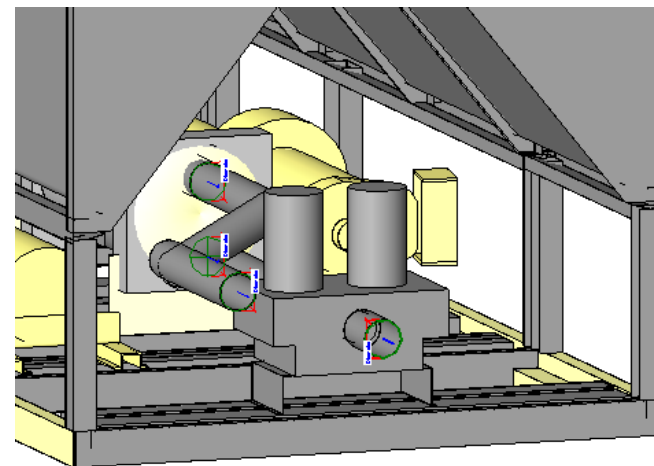
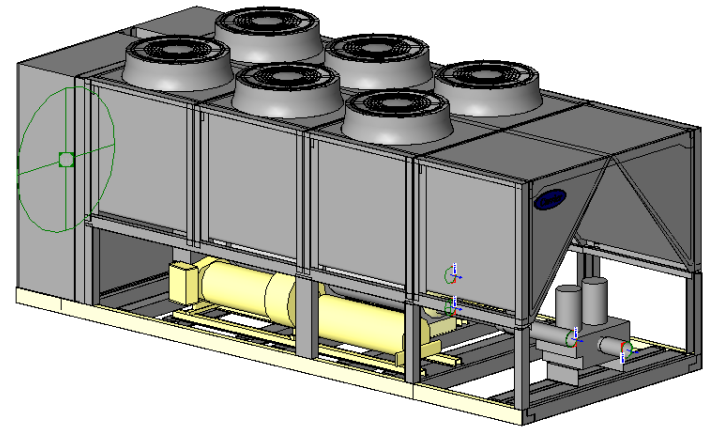
Type name: Option116A

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?](#) OK



Option 116W

High Pressure Double Pump STD Unit + Pump(HP)

Family Types

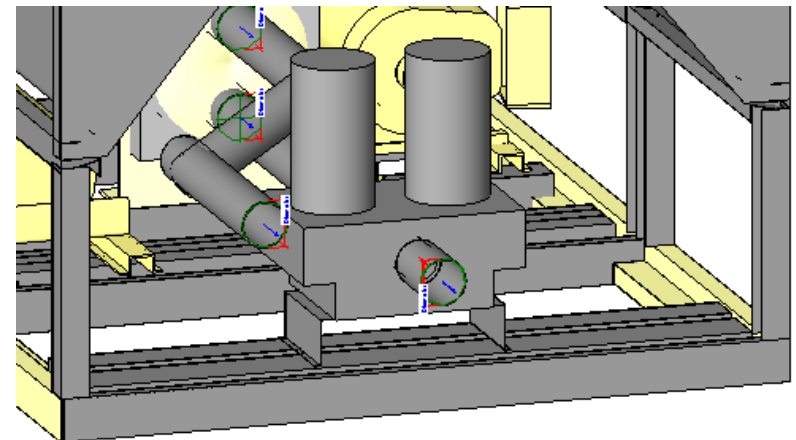
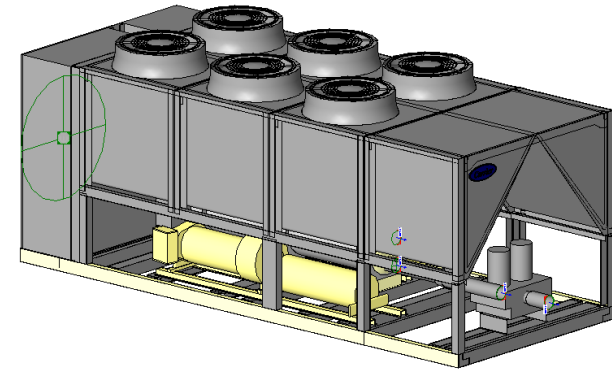
Type name: Option 116W

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?

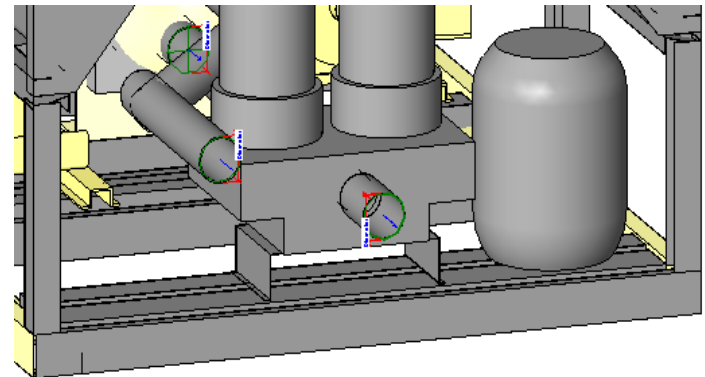
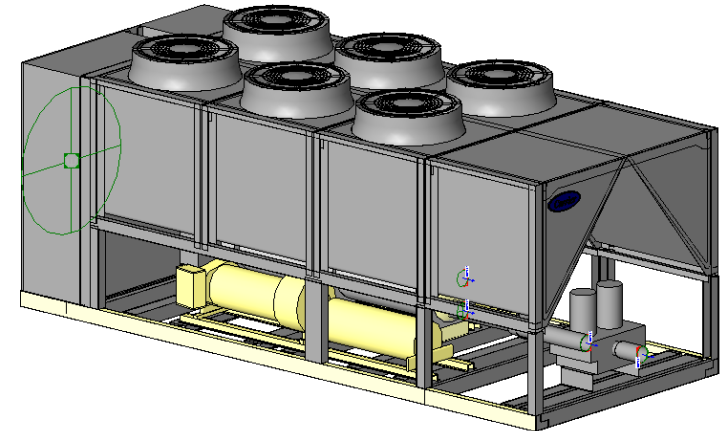
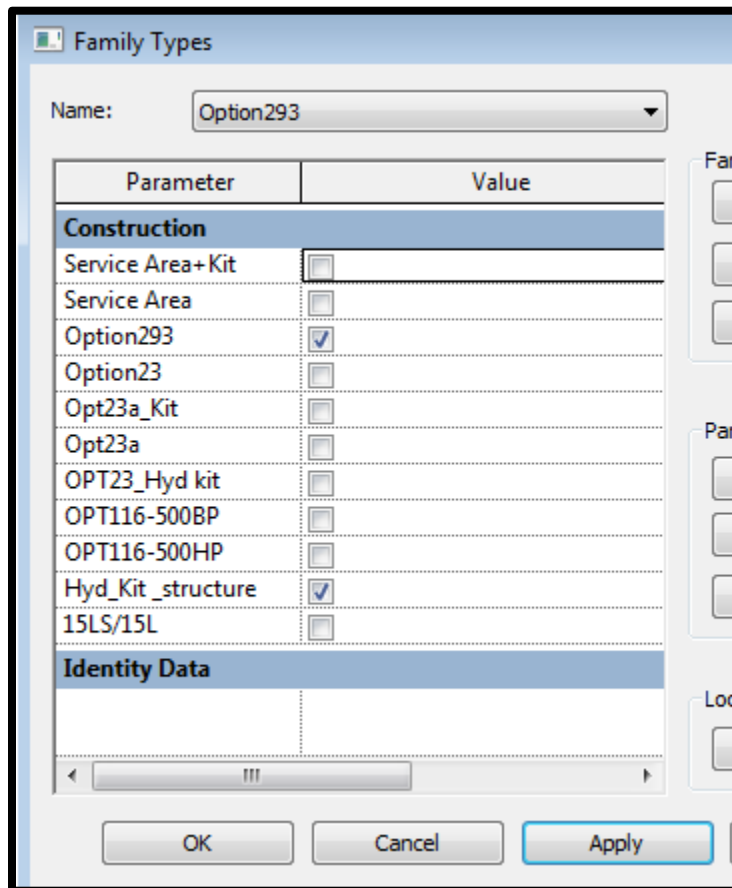
OK



Option 293

Expansion Tank

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



Option 50

Total Heat Recovery

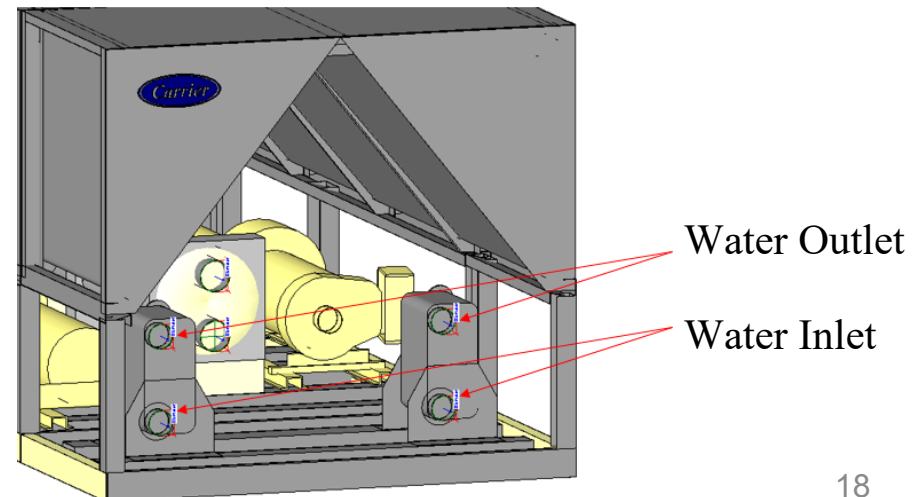
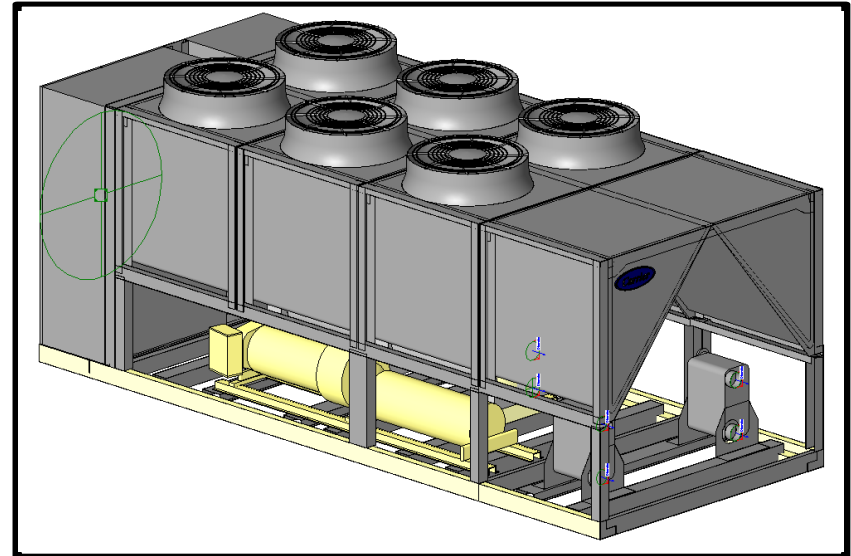
Family Types

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	

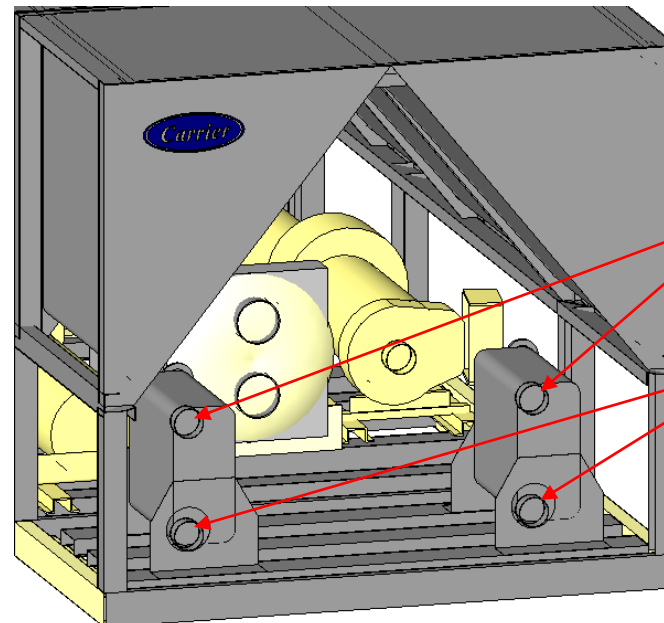
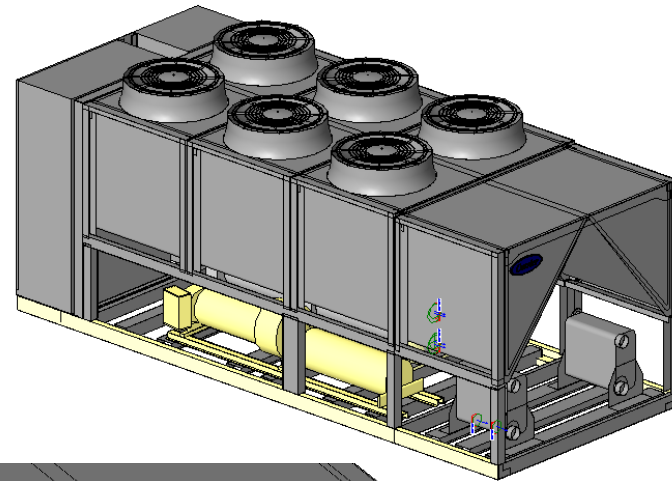
[How do I manage family types?](#)



30KAVIZE0500-Option 50/50PLUS

Total Heat Recovery

Family Types		
Type name: 30KAVIZE0500-OPT50/50PLUS		
Search parameters		
Parameter	Value	Formula
Construction		
30KAV0500 / 30KAVZE0350_std	☐	=
30KAVIZE0500_OPT325 for OPT50	☒	=
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_std	☒	=



Water Outlet

Water Inlet

Option 49

Partial Heat Recovery

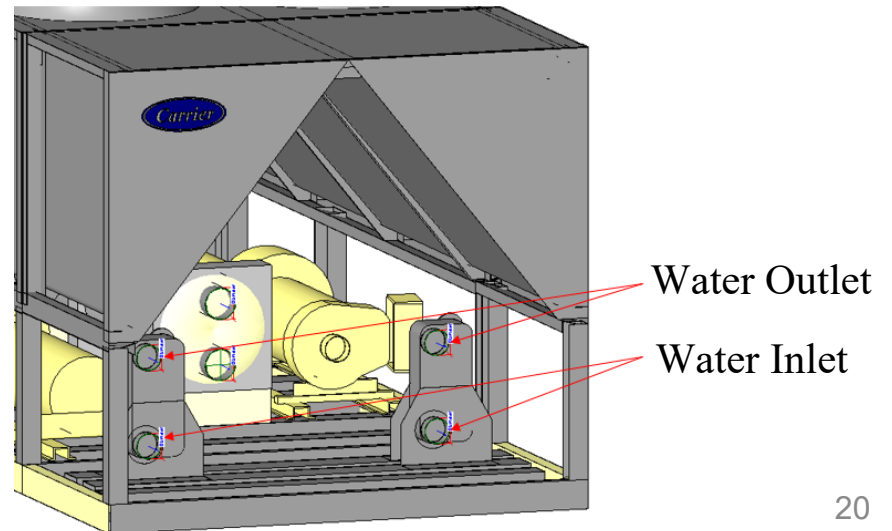
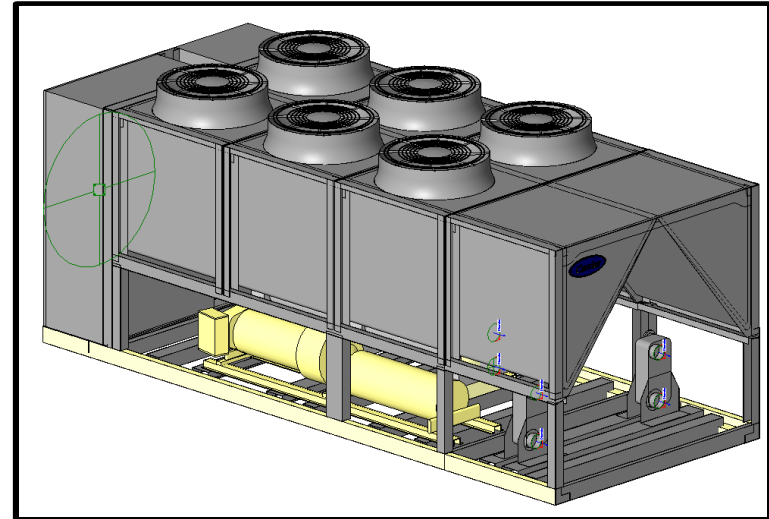
Family Types

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

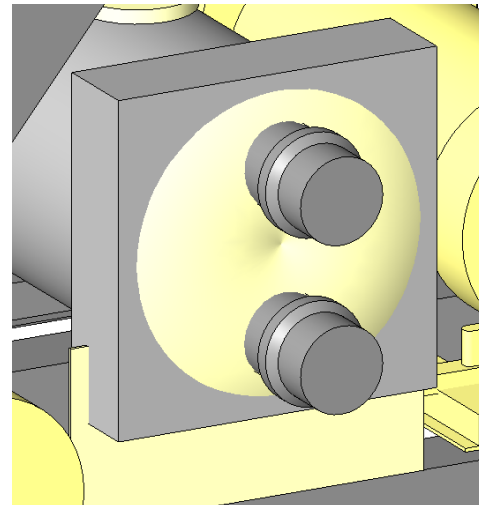
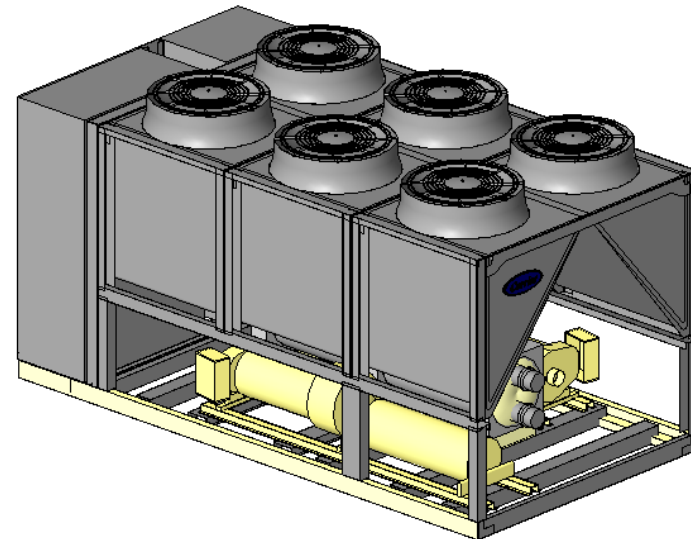
Cooler hydraulic connection

Family Types

Type name: OPT266

Search parameters

Parameter	Value	Formula
Construction		
30KAV0500 / 30KAVZE0350_std	☒	=
30KAVIZE0500_OPT325 for OPT50	☐	=
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_std	☐	=

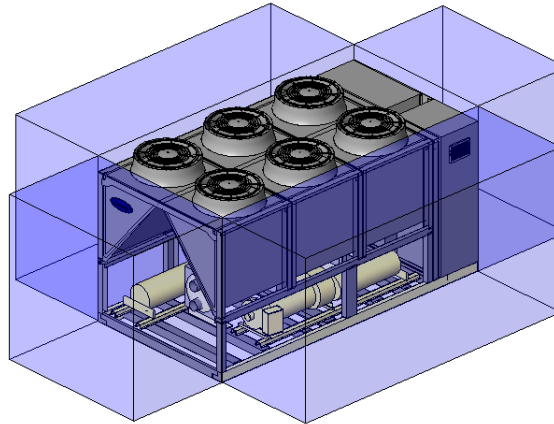


Note: 30KAV0500 /30KAVZE0350 unit with STD Cooler is shown for this representation.

Service Area Option

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

STD_Unit/Industry Unit



Family Types

Type name: Service Area

Search parameters

Parameter	Value
Construction	
30KAV0500 / 30KAVZE0350_std	☒
30KAVIZE0500_OPT325 for OPT50	☐
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	☐

Family Types

Type name: Service area + Heat recovery

Search parameters

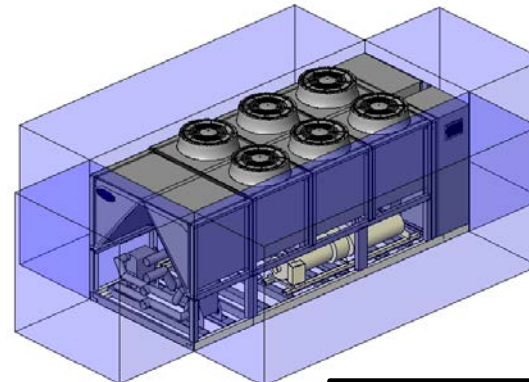
Parameter	Value
Construction	
30KAV0500 / 30KAVZE0350_std	☒
30KAVIZE0500_OPT325 for OPT50	☐
ATEX Zone	☐
ATEX Zone + Kit/Heat Recovery	☐
OPT266	☐
OPT266_116_HYDKIT_BP	☐
OPT266_116_HYDKIT_HP	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☐
OPT49_OPT267	☐
OPT50	☒
OPT325 for OPT50	☒
OPT49	☐
OPT325 for OPT49	☐
Service Area + Kit / Heat Recovery	☒
Service Area	☐

Family Types

Type name: Service Area + Kit

Search parameters

Parameter	Value
Construction	
30KAV0500 / 30KAVZE0350_std	☒
30KAVIZE0500_OPT325 for OPT50	☐
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	☒

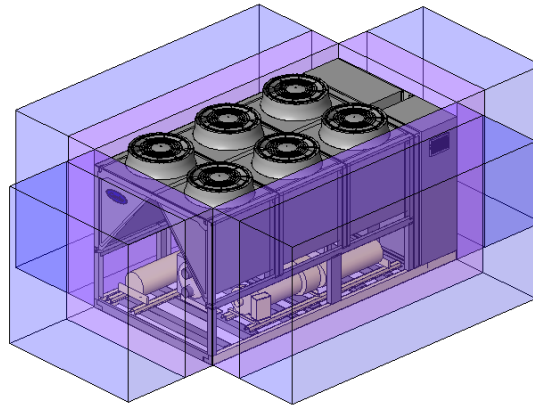


HYD Kit / Heat Recovery

Service Area Option & ATEX Zone - ZE Units

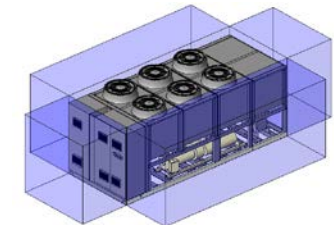
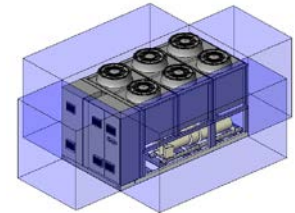
Service Area & ATEX Zone: Standard Unit / Industry Unit /
HYD Kit / Heat Recovery

STD_Unit/Industry Unit

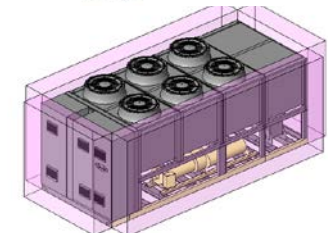
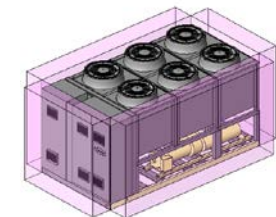


Family Types	
Type name:	Service Area + ATEX Zone - Only ZE units
Search parameters	
Parameter	Value
Construction	
30KAV0500 / 30KAVZE0350_std	☒
30KAVIZE0500_OPT325 for OPT50	☐
ATEX Zone	☒
ATEX Zone + Kit/Heat Recovery	☐
OPT266	☐
OPT266_116_HYDKIT_BP	☐
OPT266_116_HYDKIT_HP	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
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	☐

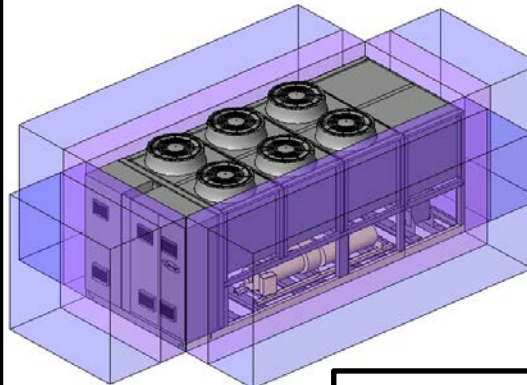
Service Area



ATEX Zone



HYD Kit / Heat Recovery



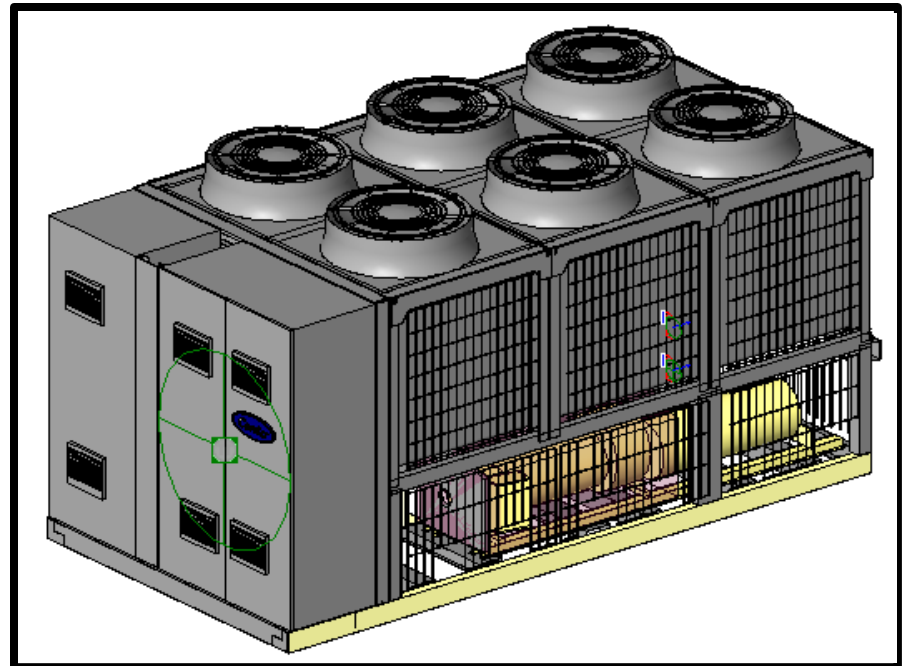
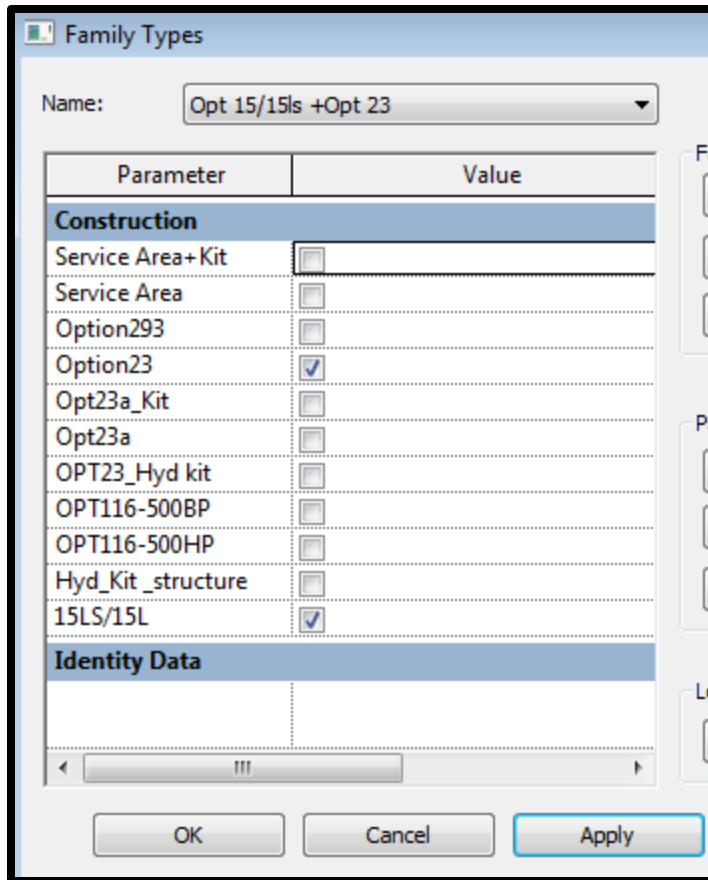
Dual Combo Units

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
30KAV0500 /30KAVZE0350	X	X	X	X	X	X	X	X	X
30KAVIZE0500	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

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



Option 116A+Option15/15LS

Family Types

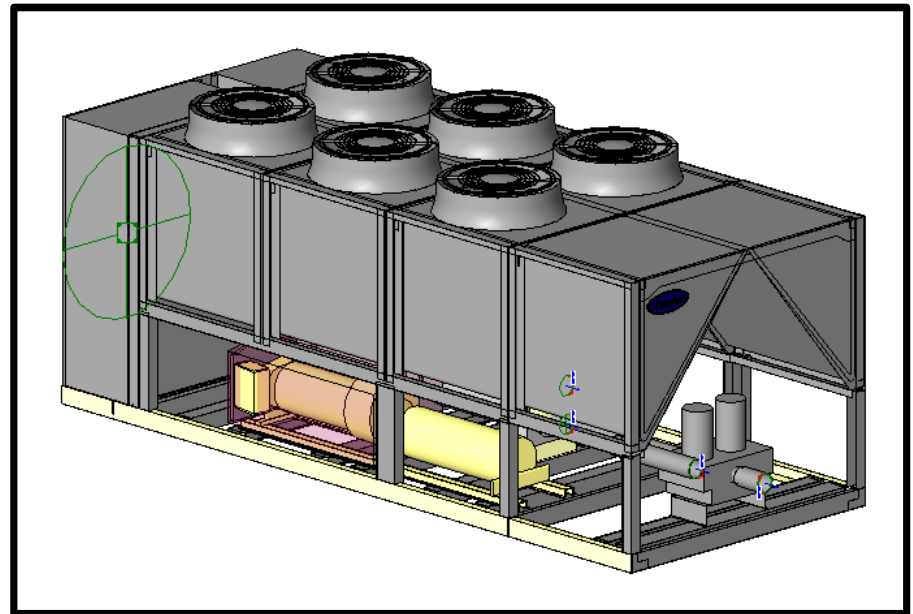
Type name: Option 15L/LS+116A

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	

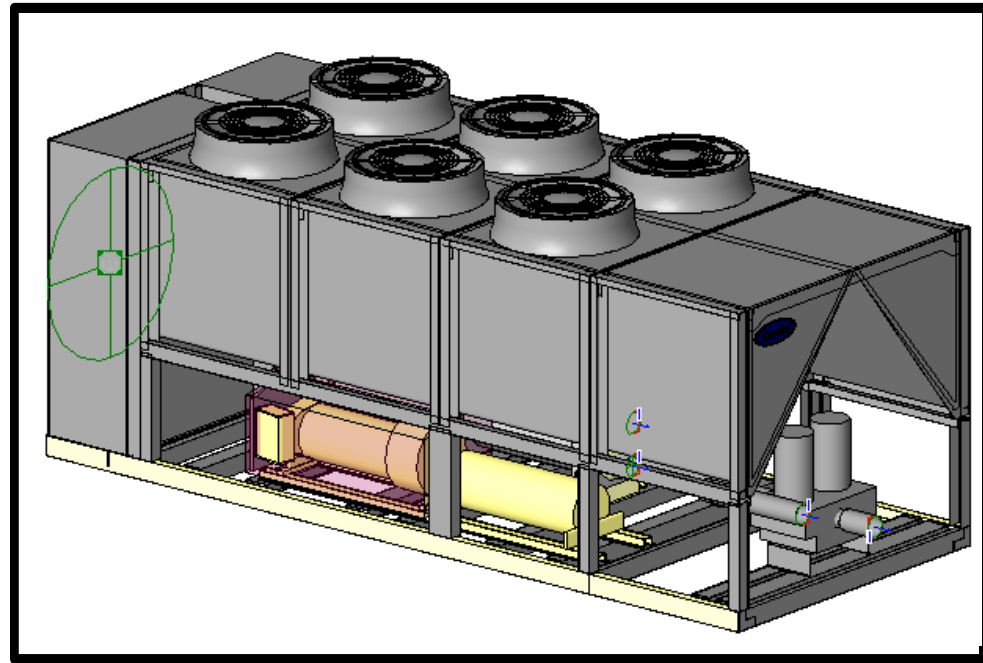








[How do I manage family types?](#) OK



Option 116A+Option23

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

Family Types

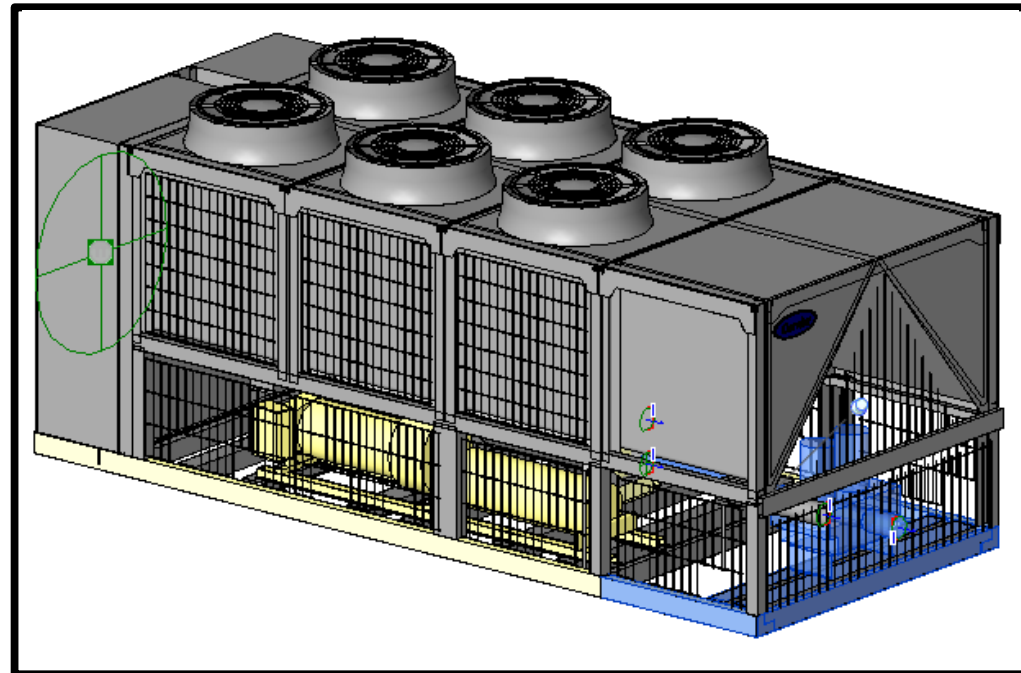
Type name: Option23+116A

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

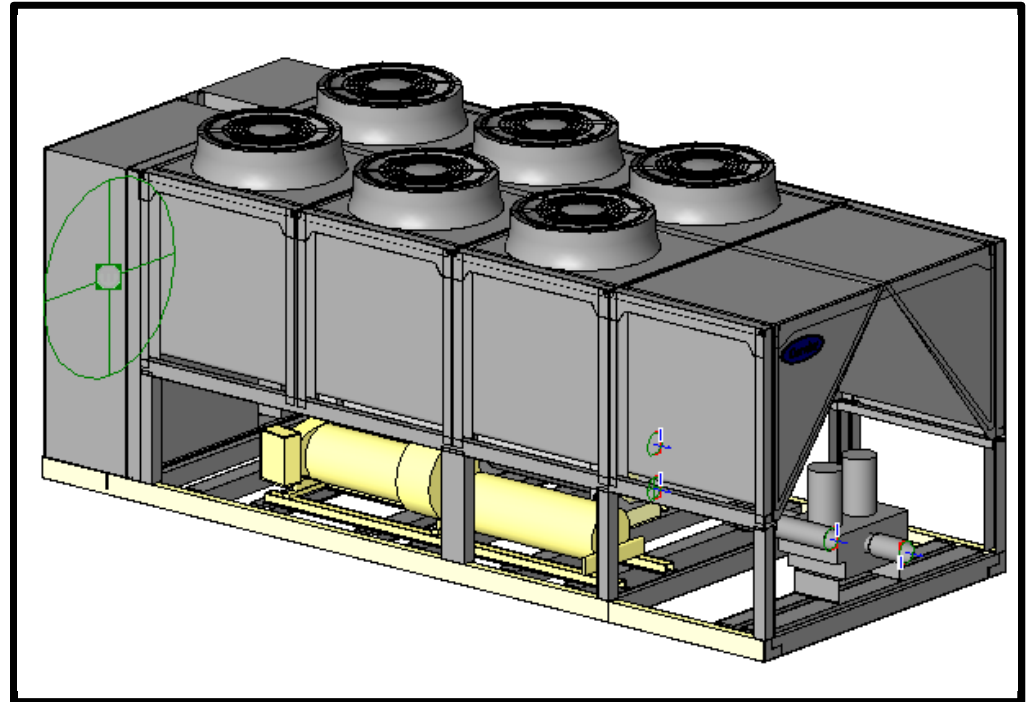
Type name: Option23a+116A

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?](#)



Option 116+Option293

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

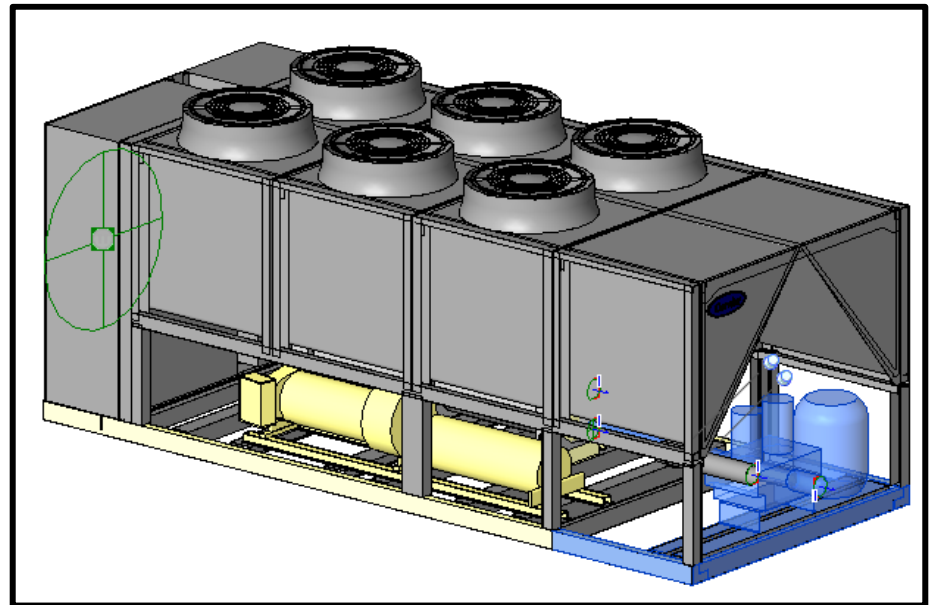
Family Types

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?



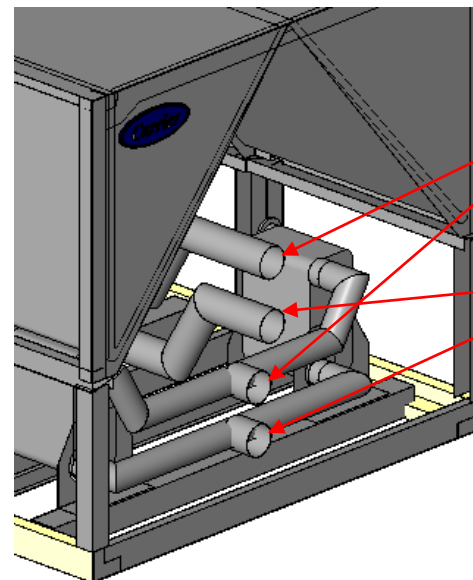
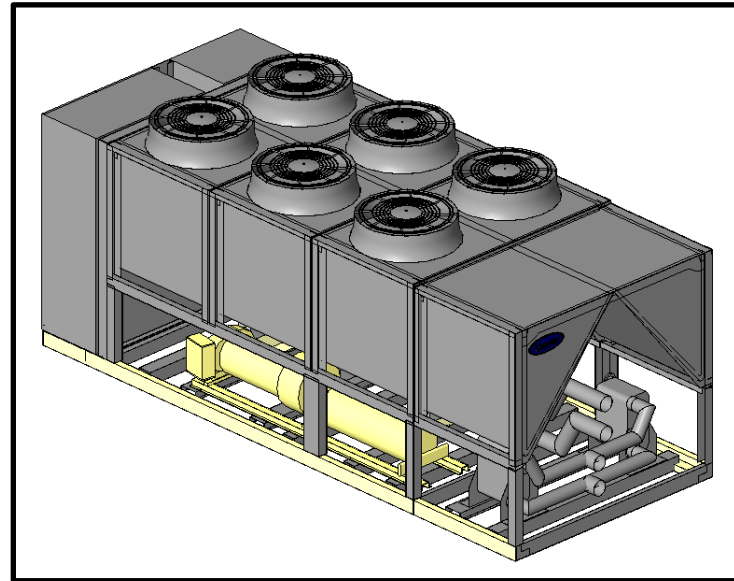
Option50 + Option325

Family Types

Type name: OPT50 + OPT325

Search parameters

Parameter	Value	Formula
Construction		
30KAV0500 / 30KAVZE0350_std	☒	=
30KAVIZE0500_OPT325 for OPT50	☐	=
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_std	☐	=



Water Outlet

Water Inlet

Option49 + Option325

Family Types

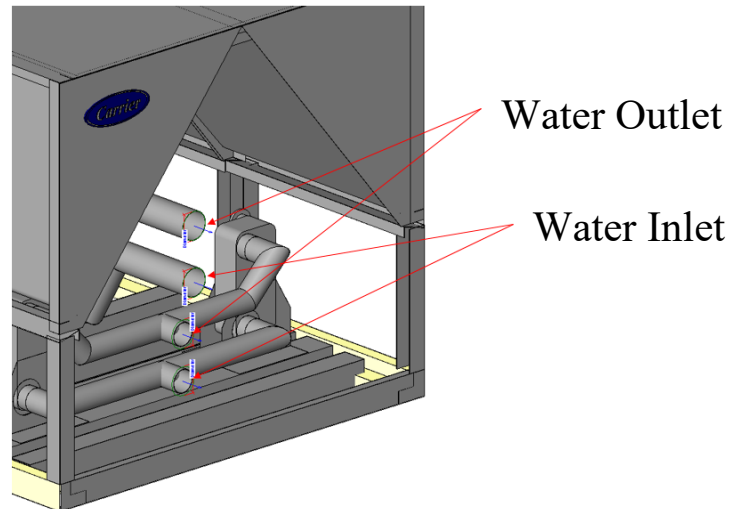
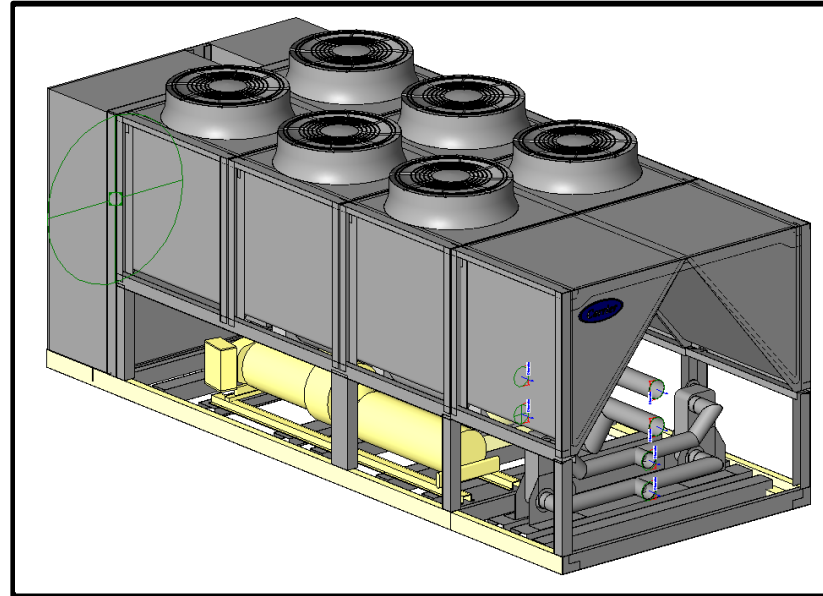
Type name: OPT49 + OPT325

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



Option 116 + Option 266

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

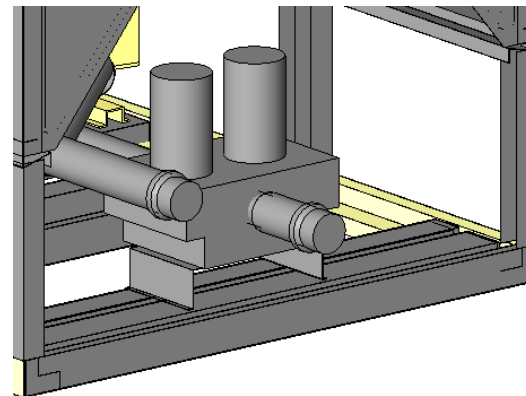
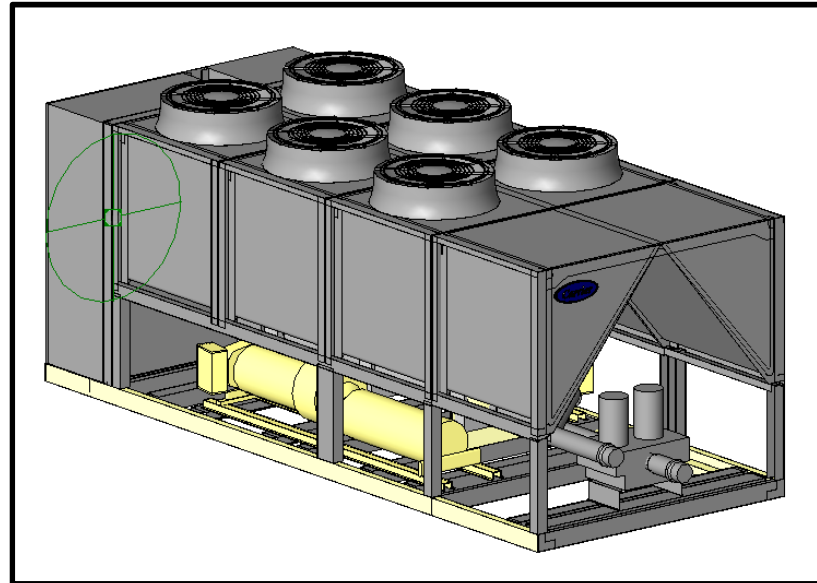
Family Types

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?



Triple Combo Units

30KAV /30KAVZE/30KAVIZE REVIT DATA BASE

30KAV /30KAVZE/30KAVIZE	Options Combinations						
RANGE + INDUSTRY	OPT15/15LS + OPT23 + OPT116	OPT15/15LS + OPT23a + OPT116	Opt15/15LS + OPT293 + OPT116	OPT23 + OPT116 + OPT293	OPT23a + OPT116 + OPT293	OPT50 + OPT266 + OPT267	OPT49 + OPT266 + OPT267
30KAV0500 /30KAVZE0350	X	X	X	X	X	X	X
30KAVIZE0500	-	-	-	-	-	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

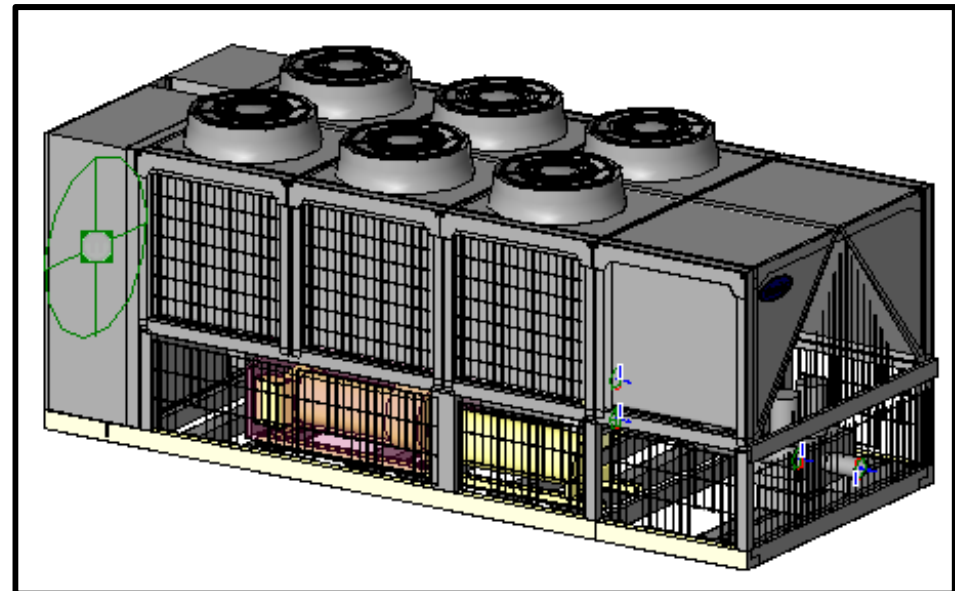
Type name: Opt 15L/15LS+Opt23 + Opt116A

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:

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		



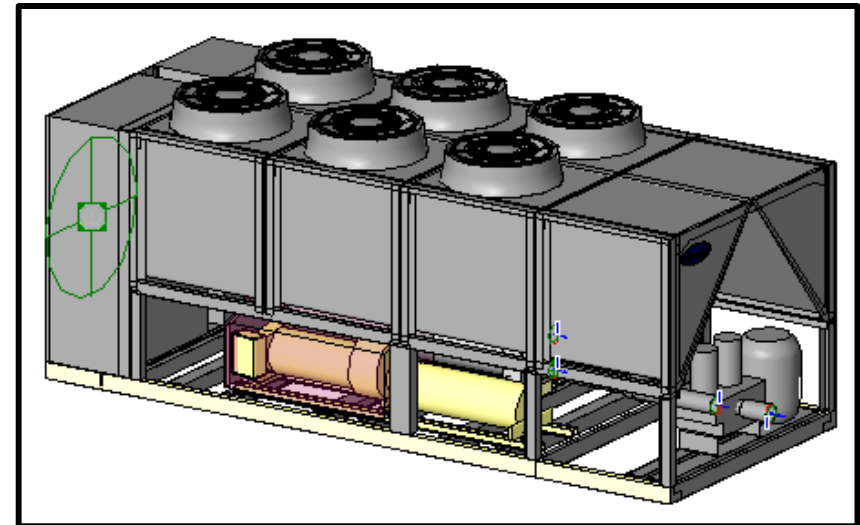







[How do I manage family types?](#)

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

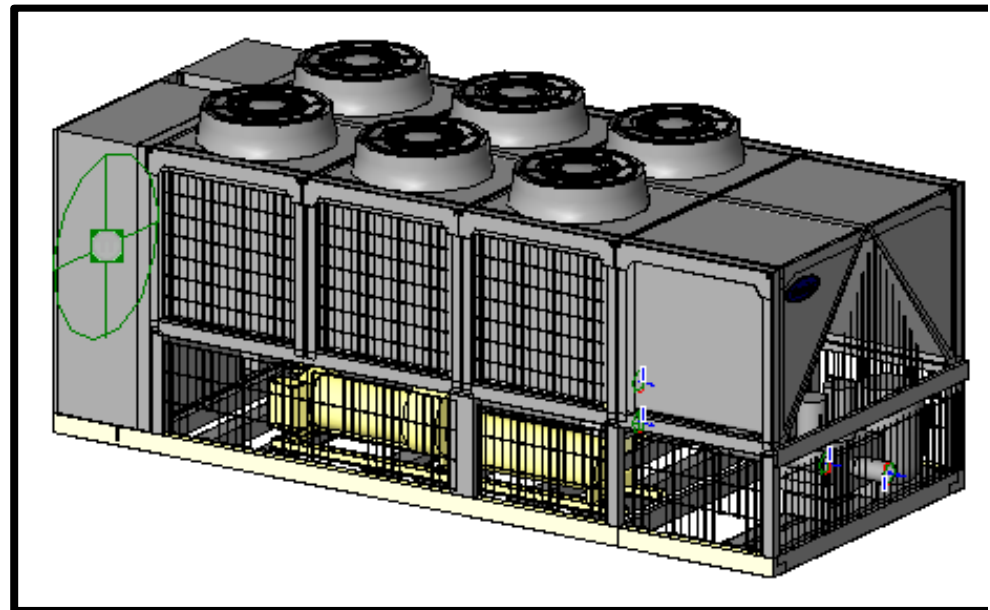
Type name: Opt 23+Opt293+ Opt116A

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 + Opt 267

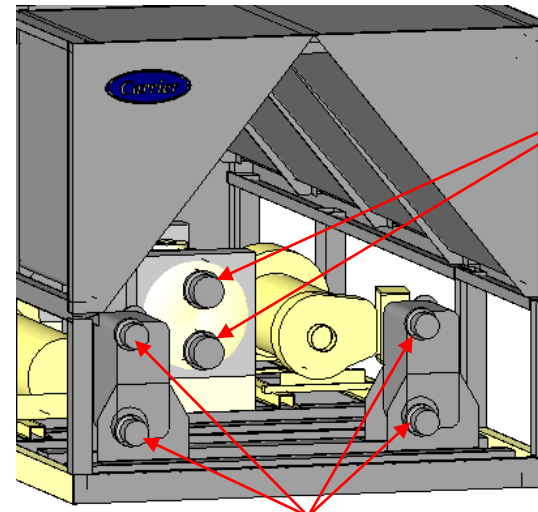
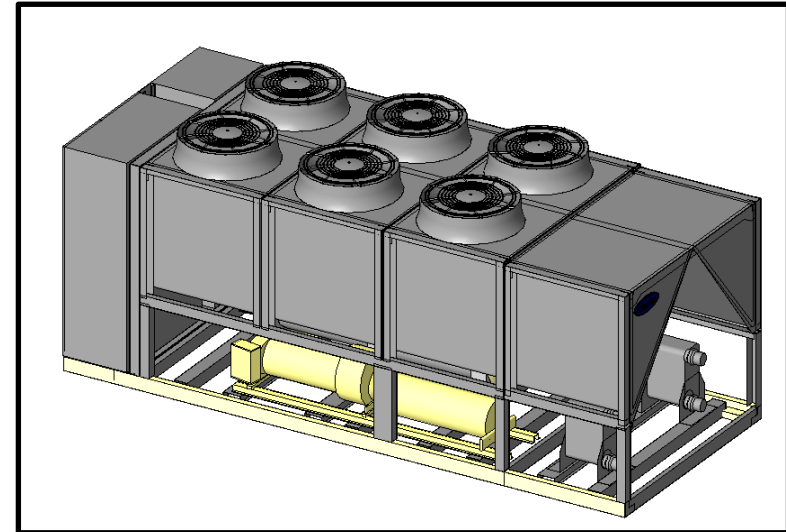
1) In this Slide Only Opt50 is shown, Same way Opt49 is also Configured.

Family Types

Type name: OPT50 + OPT266 + OPT267

Search parameters

Parameter	Value	Formula
Construction		
30KAV0500 / 30KAVZE0350_std	☒	=
30KAVIZE0500_OPT325 for OPT50	☐	=
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_std	☐	=



Opt 266

Opt 267

Note: 30KAV0500 /30KAVZE0350 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
30KAV0500 /30KAVZE0350	X	X	X	X
30KAVIZE0500	-	-	-	-

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. Same way 116W is also configured.
- 2) Similar way Opt 23a is also configured

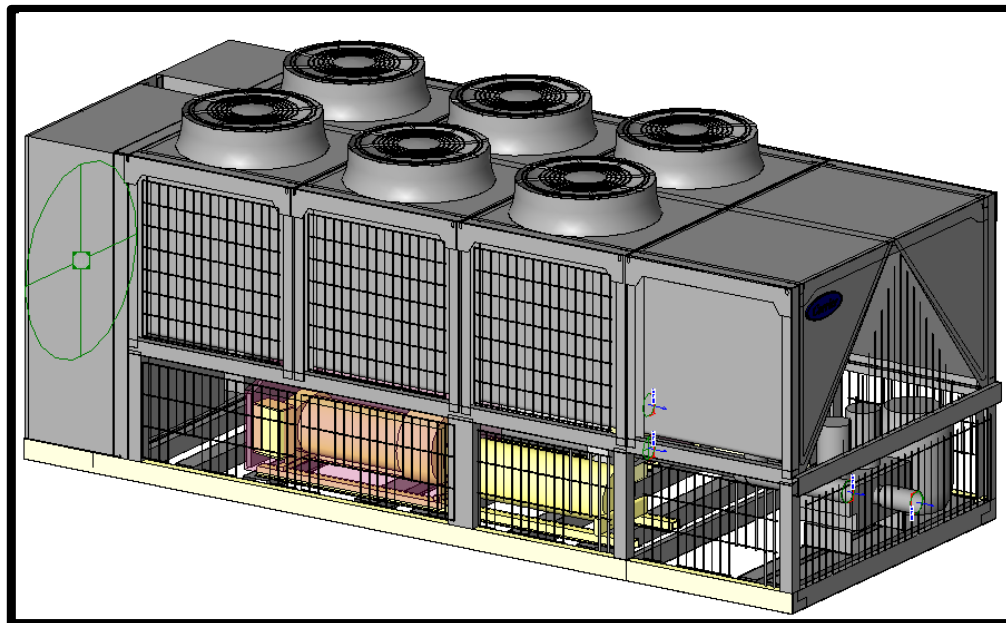
Family Types

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 + Opt 325 + Opt 266 + Opt 267

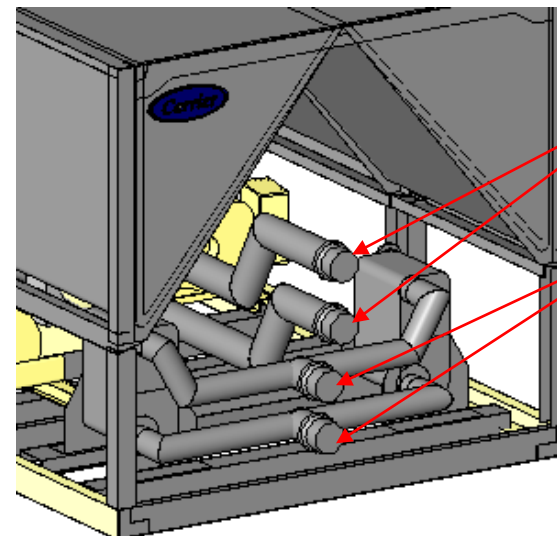
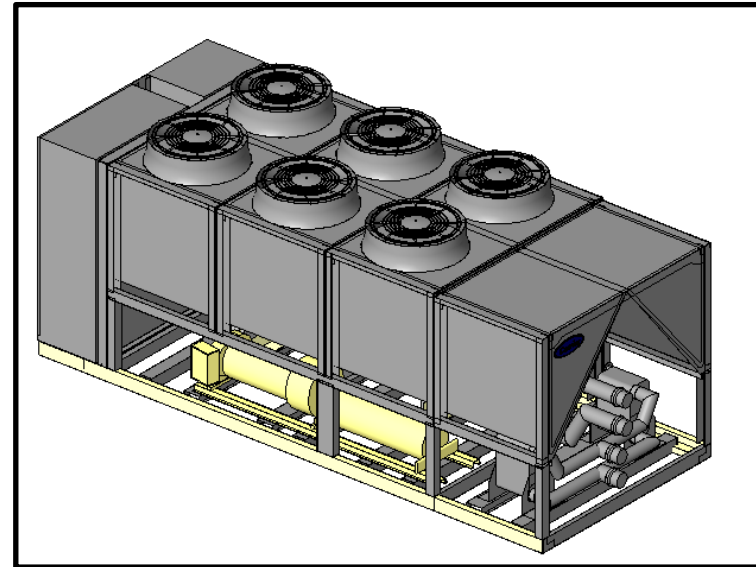
1) In this Slide Only Opt50 is shown, Same way Opt49 is also Configured.

Family Types

Type name: OPT50 + OPT325 + OPT266 + OPT267

Search parameters

Parameter	Value	Formula
Construction		
30KAV0500 / 30KAVZE0350_std	☒	=
30KAVIZE0500_OPT325 for OPT50	☐	=
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_std	☐	=



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.

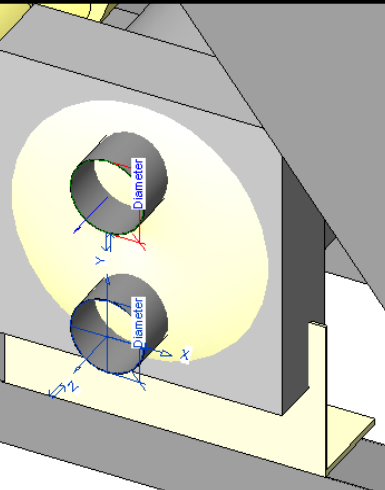
NOTE: 1) Connector are associated with the geometry profile of the unit.

Cooler Inlet / Outlet

STD Unit

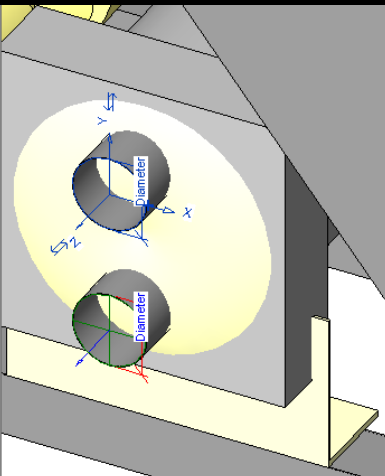
Connector Element (1)  Edit Type

Dimensions	
Diameter	141.30
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...	Water_Inlet



Connector Element (1)  Edit Type

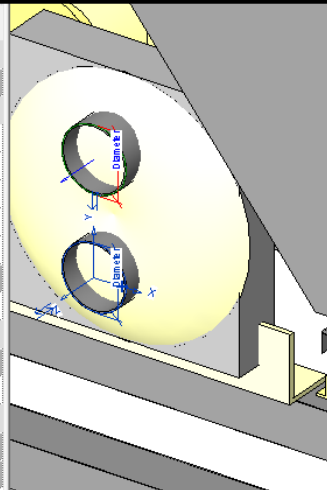
Dimensions	
Diameter	141.30
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	Out
Loss Method	Not Defined
Allow Slope Adjust...	☐
System Classification	Hydronic Return
Mechanical - Flow	
Flow	0.000 GPM
Pressure Drop	0.000 psi
Identity Data	
Utility	☐
Connector Descripti...	Water_Outlet



Industry Unit

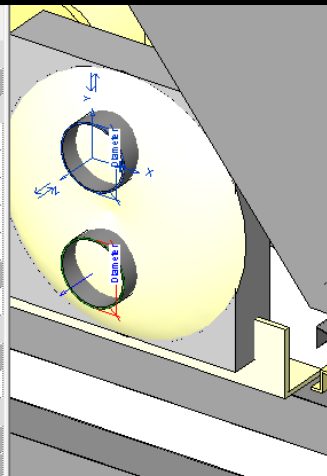
Connector Element (1)  Edit Type

Dimensions	
Diameter	168.30
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 / Chiller Inlet

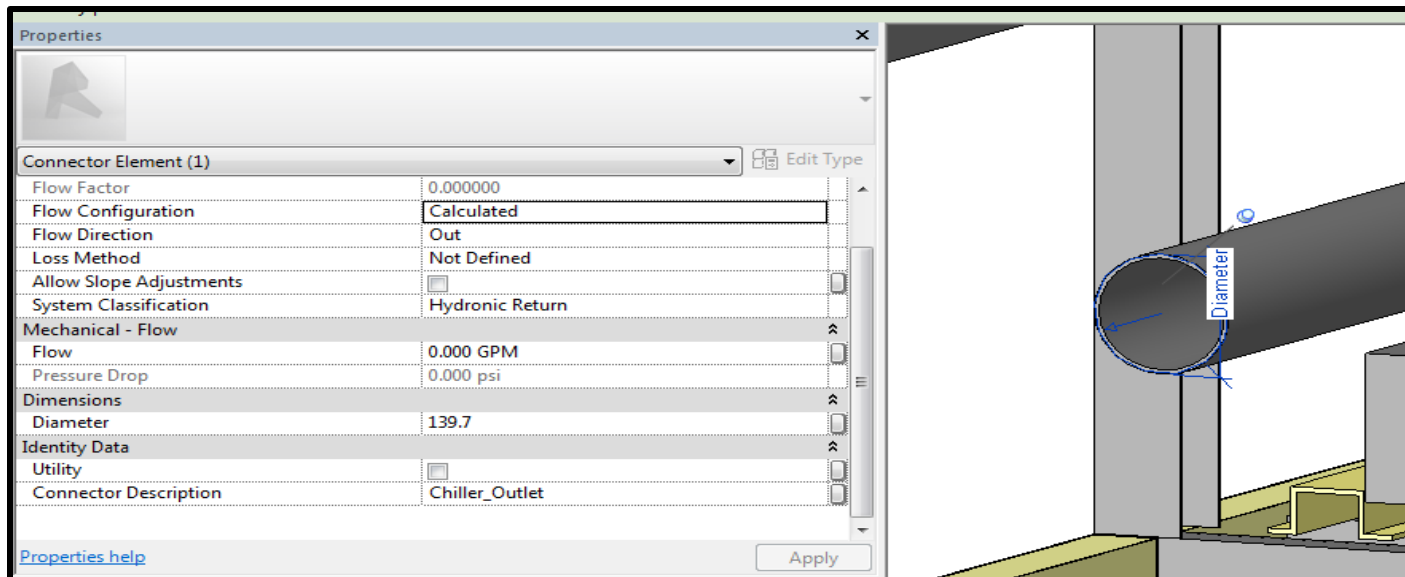
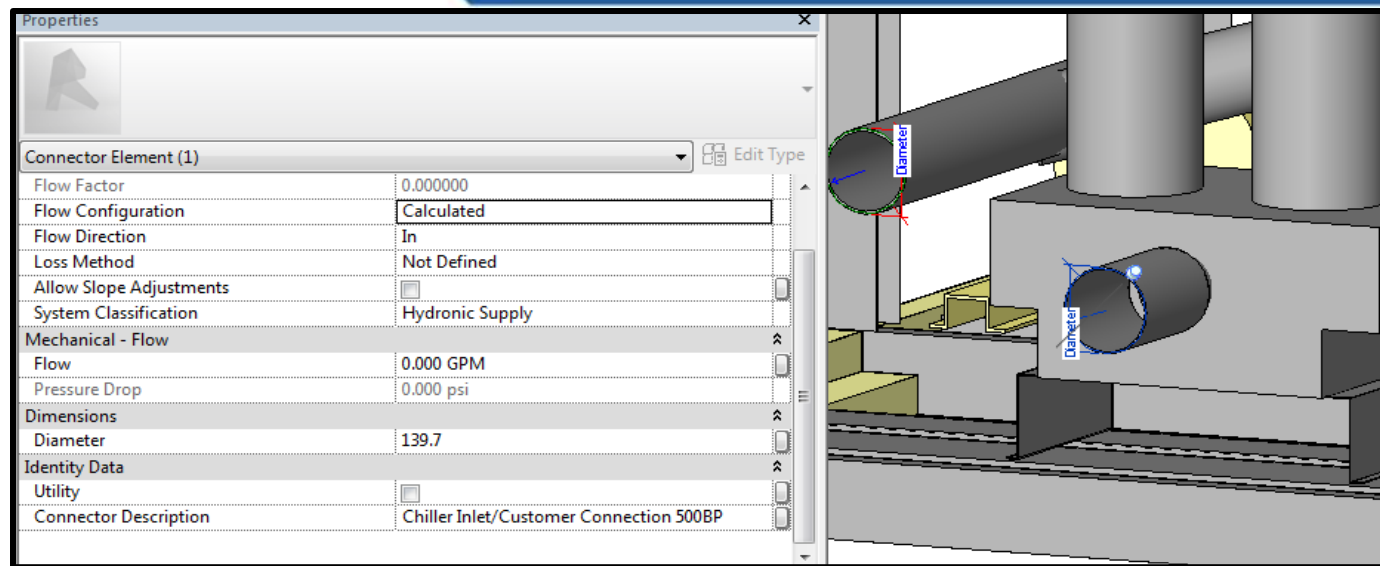


Connector Element (1)  Edit Type

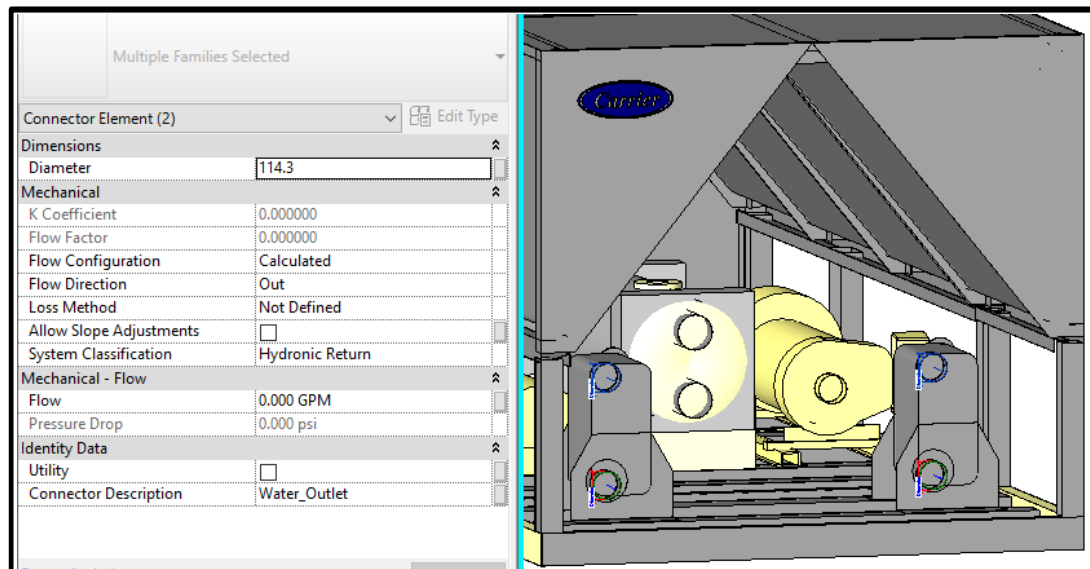
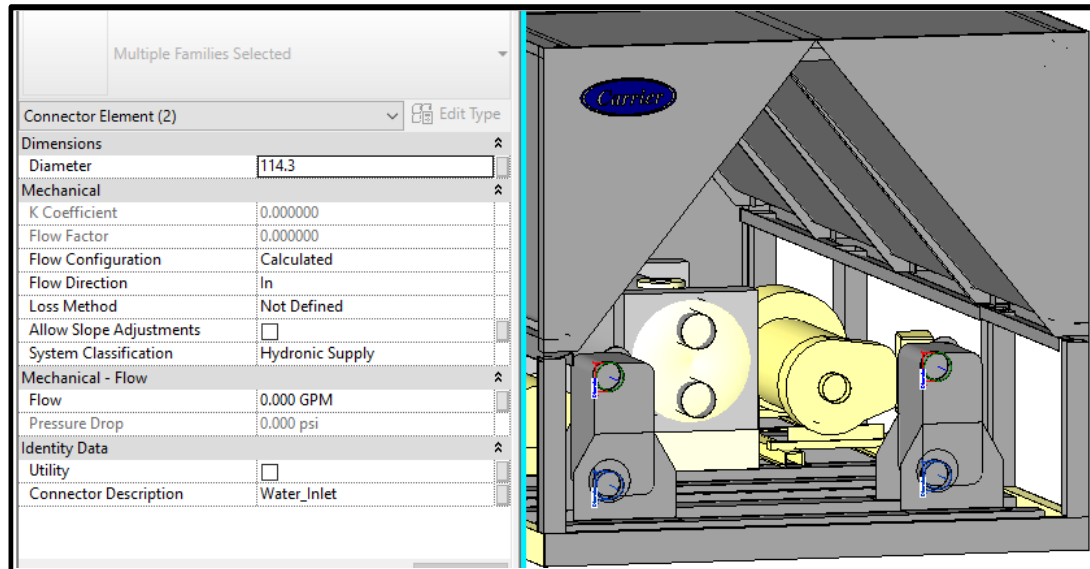
Dimensions	
Diameter	168.30
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	Out
Loss Method	Not Defined
Allow Slope Adjust...	☐
System Classification	Hydronic Supply
Mechanical - Flow	
Flow	0.000 GPM
Pressure Drop	0.000 psi
Identity Data	
Utility	☐
Connector Descripti...	Cooler / Chiller Outlet



Chiller Inlet / Outlet(Customer Connection)



Total Heat Recovery (Opt50) Inlet / Outlet

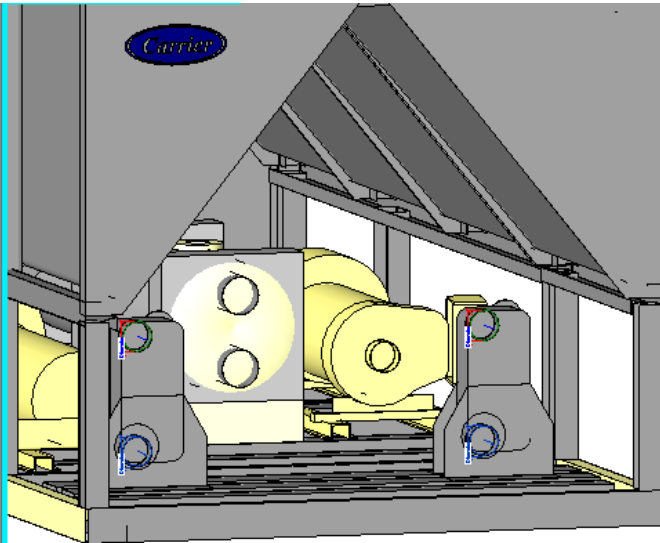


Partial Heat Recovery (Opt49) Inlet / Outlet

Multiple Families Selected

Connector Element (2) Edit Type

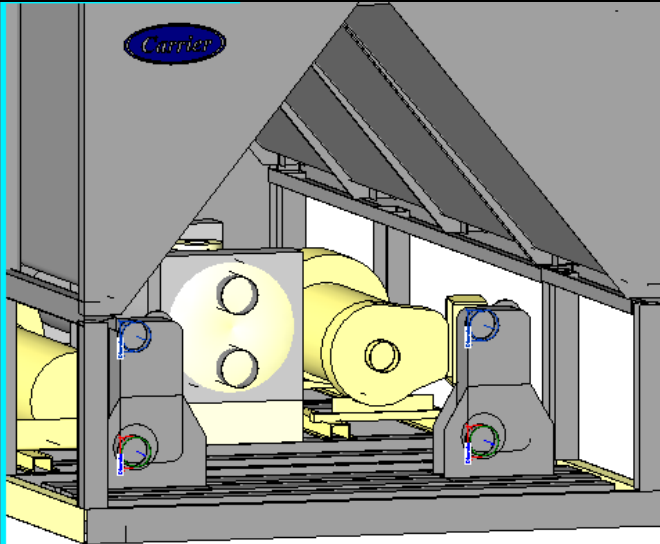
Dimensions	
Diameter	114.3
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	In
Loss Method	Not Defined
Allow Slope Adjustments	☐
System Classification	Hydronic Supply
Mechanical - Flow	
Flow	0.000 GPM
Pressure Drop	0.000 psi
Identity Data	
Utility	☐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

R

Connector Element (1)  Edit Type

Dimensions

Diameter 139.7

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

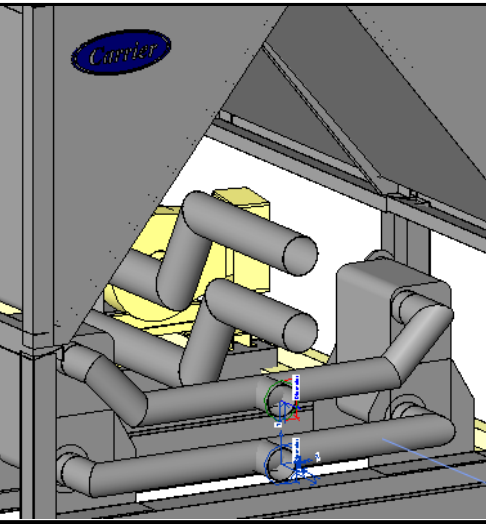
Flow 0.000 GPM

Pressure Drop 0.000 psi

Identity Data

Utility ☐

Connector Description Water_Inlet



R

Connector Element (1)  Edit Type

Dimensions

Diameter 139.7

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

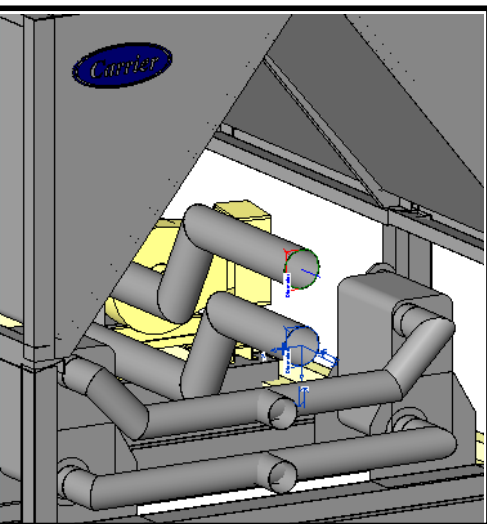
Flow 0.000 GPM

Pressure Drop 0.000 psi

Identity Data

Utility ☐

Connector Description Water_Inlet



R

Connector Element (1)  Edit Type

Dimensions

Diameter 139.7

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

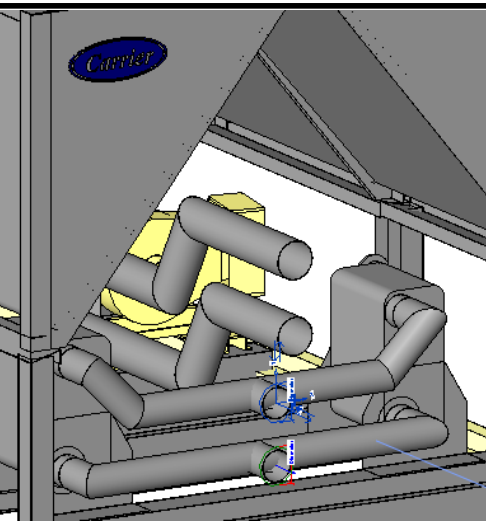
Flow 0.000 GPM

Pressure Drop 0.000 psi

Identity Data

Utility ☐

Connector Description Water_Outlet



R

Connector Element (1)  Edit Type

Dimensions

Diameter 139.7

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

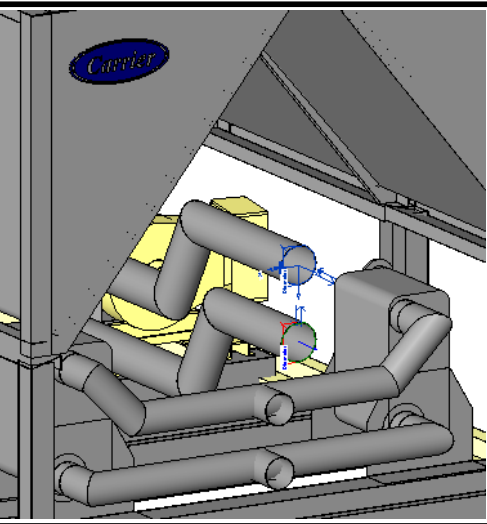
Flow 0.000 GPM

Pressure Drop 0.000 psi

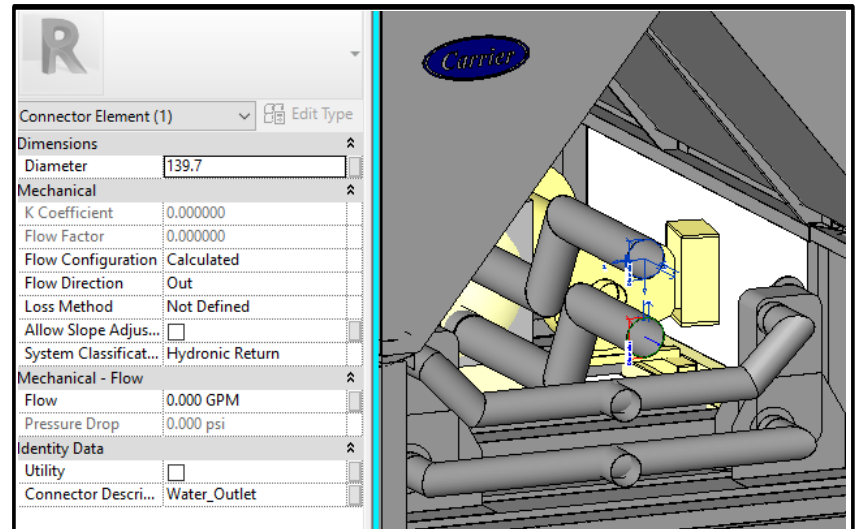
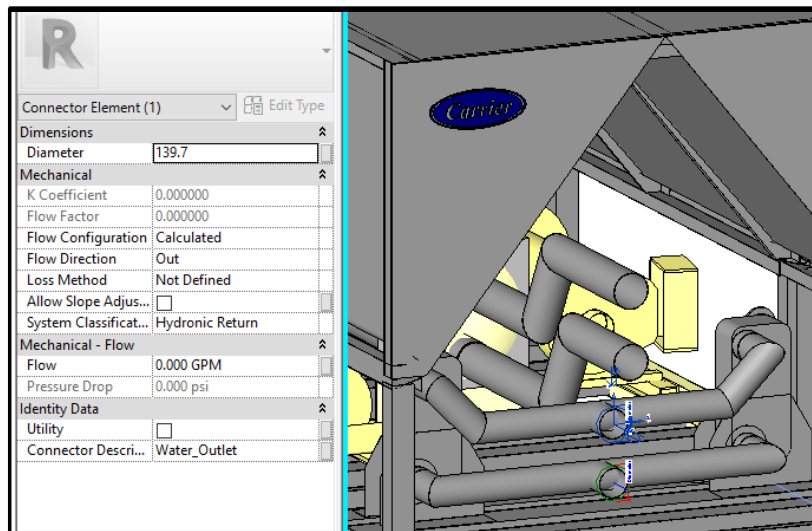
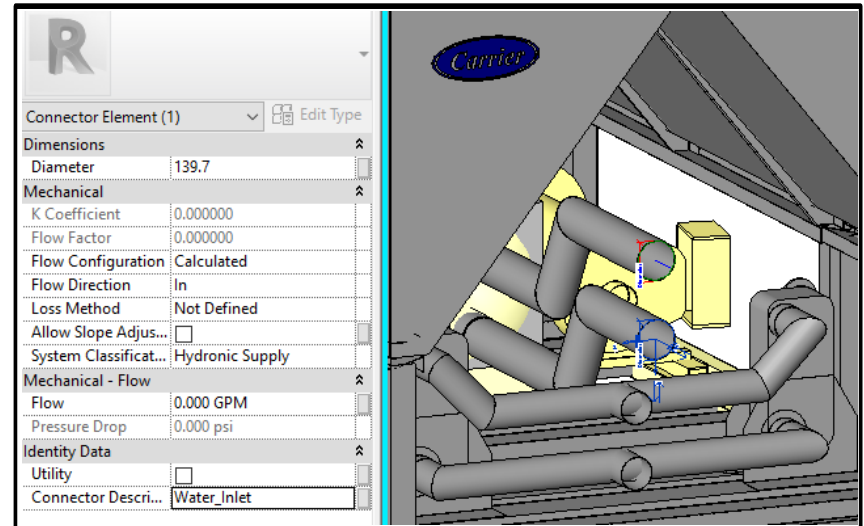
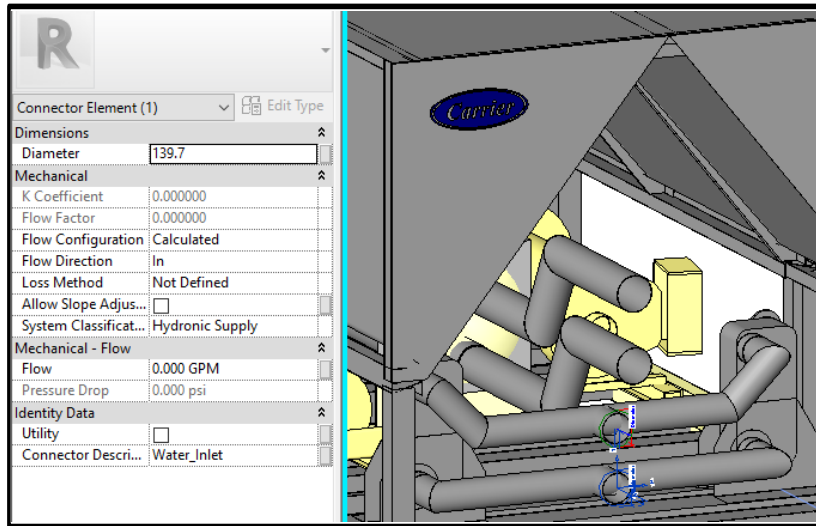
Identity Data

Utility ☐

Connector Description Water_Outlet

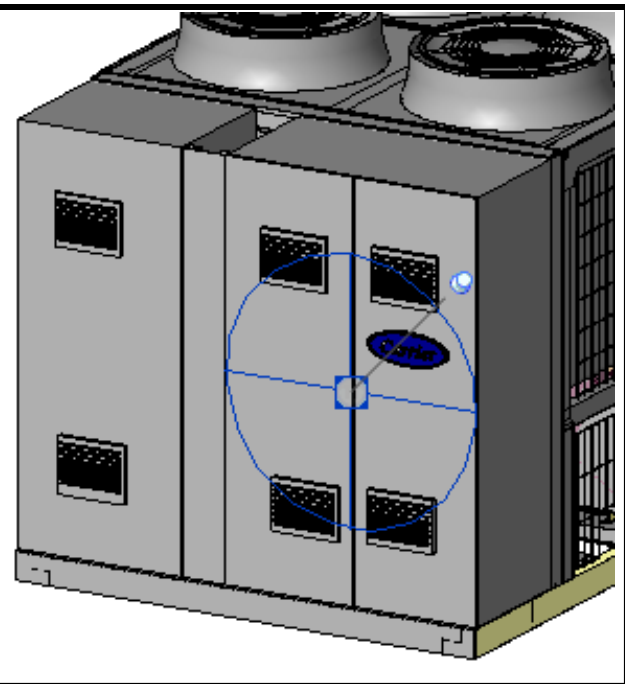


Partial Heat Recovery (Opt49) + Opt325 Inlet / Outlet



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

