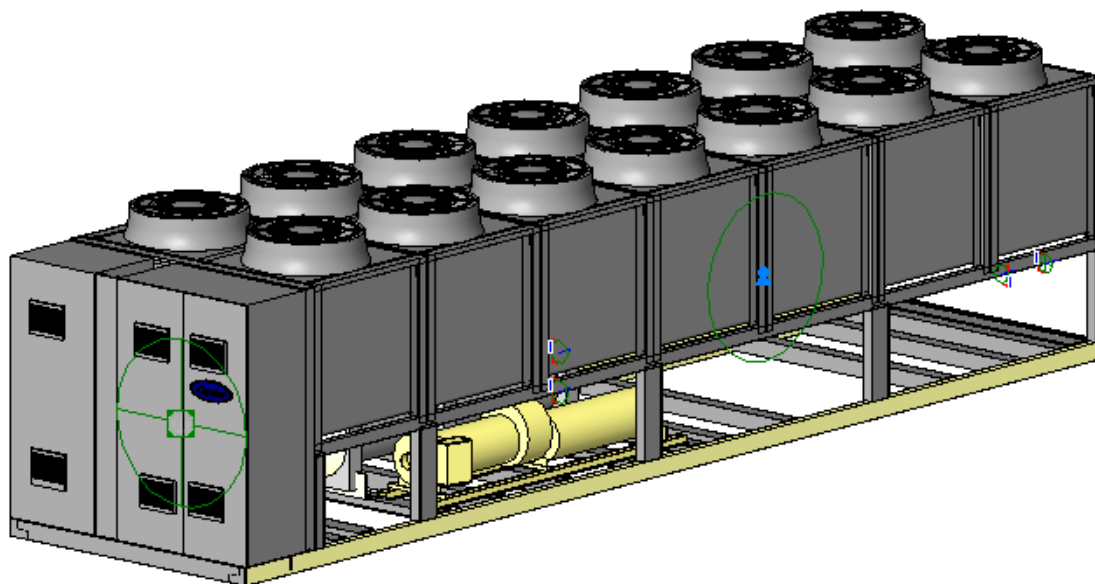


***30KAV0800-OPT119 / 30KAVZE0600-OPT119 /
30KAVP0800 / 30KAVPZE0600***



INDEX

Slide Number

- | | | |
|----|----------------------------------|-------|
| 1. | Excel sheet Data to Revit Option | 3 |
| 2. | Operation of Revit file | 4-41 |
| 3. | Connector Information | 42-50 |

Excel To Revit File Conversion

30KAV / 30KAVZE / 30KAVP / 30KAVPZE REVIT DATABASE

<u>30KAV / 30KAVZE / 30KAVP</u> <u>/ 30KAVPZE 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)
30KAV0800-OPT119 / 30KAVZE0600- OPT119 / 30KAVP0800 / 30KAVPZE0600	x	x	x	x	x	x	x	x	x

SINGLE OPTION

SL NO	Revit Option	Description
1	30KAV0800-OPT119 / 30KAVZE0600-OPT119 / 30KAVP0800 / 30KAVPZE0600	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) VSD Controlled
6	Option 116A/119+	Standard Unit + Low pressureDouble pump(BP) For 119+ Option
7	Option 116W/119+	Standard Unit + Low pressureDouble pump(HP) For 119+ Option
8	Option 116W	Standard Unit + High Pressure Double pump(HP) VSD Controlled
9	Option 293	116+Expansion tank
10	Option 50	Total Heat Recovery
11	Option 49	Partial Heat Recovery
12	Option 266	Cooler hydraulic connection

REVIT FAMILY TABLE

Family Types

Type name: 30KAV0800-OPT119 / 30KAVZE0600-OPT119 / 30KAVP0800 / 30KA

Search param 30KAV0800-OPT119 / 30KAVZE0600-OPT119 / 30KAVP0800 / 30KA

Para	Construction
ATEX Zone	Opt 116A/119+
OPT266	Opt 15L/LS + OPT 23
OPT266_116	Opt 15L/LS + OPT 23a
OPT49+ OPT	Opt 15L/LS + OPT116A
OPT49+ OPT	Opt 15L/LS + OPT116A/119+
OPT49+ OPT	Opt 15L/LS + OPT116W
OPT49+ OPT	Opt 15L/LS + OPT116W/119+
OPT49+ OPT	Opt 15L/LS + OPT23+Opt116A
OPT49+ OPT	Opt 15L/LS + OPT23+Opt116A/119+
OPT49+ OPT	Opt 15L/LS + OPT23+Opt116W
OPT49+ OPT	Opt 15L/LS + OPT23+Opt116W/119+
OPT49+ OPT	Opt 15L/LS + OPT23+OPT293+Opt116A
OPT49+ OPT	Opt 15L/LS + OPT23+OPT293+Opt116A/119+
OPT49+ OPT	Opt 15L/LS + OPT23+OPT293+Opt116W
OPT49+ OPT	Opt 15L/LS + OPT23+OPT293+Opt116W/119+
OPT49+ OPT	Opt 15L/LS + OPT23a+Opt116A
OPT49+ OPT	Opt 15L/LS + OPT23a+Opt116A/119+
OPT49+ OPT	Opt 15L/LS + OPT23a+Opt116W
OPT49+ OPT	Opt 15L/LS + OPT23a+Opt116W/119+
OPT49+ OPT	Opt 15L/LS + OPT23a+OPT293+Opt116 W
OPT49+ OPT	Opt 15L/LS + OPT23a+OPT293+Opt116A
OPT49+ OPT	Opt 15L/LS + OPT23a+OPT293+Opt116A/119+
OPT49+ OPT	Opt 15L/LS + OPT23a+OPT293+Opt116W/119+
Service Area	Opt 15L/LS + OPT293+Opt116 W
VSD Box	Opt 15L/LS + OPT293+Opt116A
Option 23	Opt 15L/LS + OPT293+Opt116A/119+
Option 23	Opt 15L/LS + OPT293+Opt116W/119+
Option 23a	Opt 15L/LS + OPT293+Opt116A/119+
Option 23a	Opt 15L/LS + OPT293+Opt116W/119+
Opt 293	☐
Pump HP/BP	☐
15LS/15L	☐

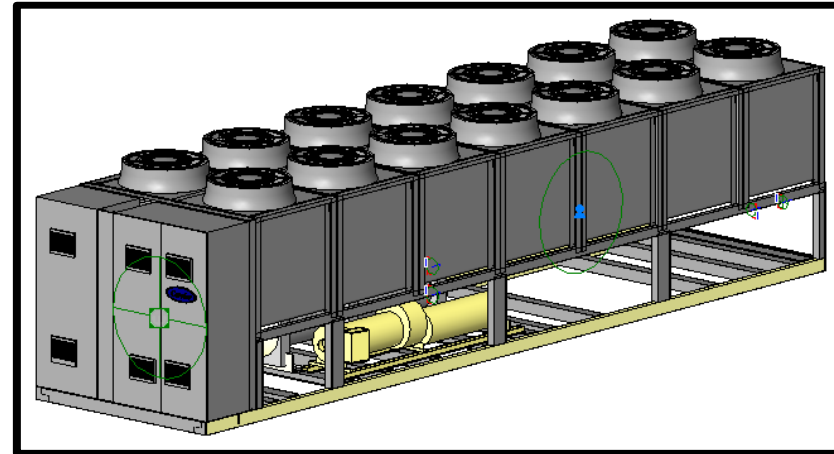
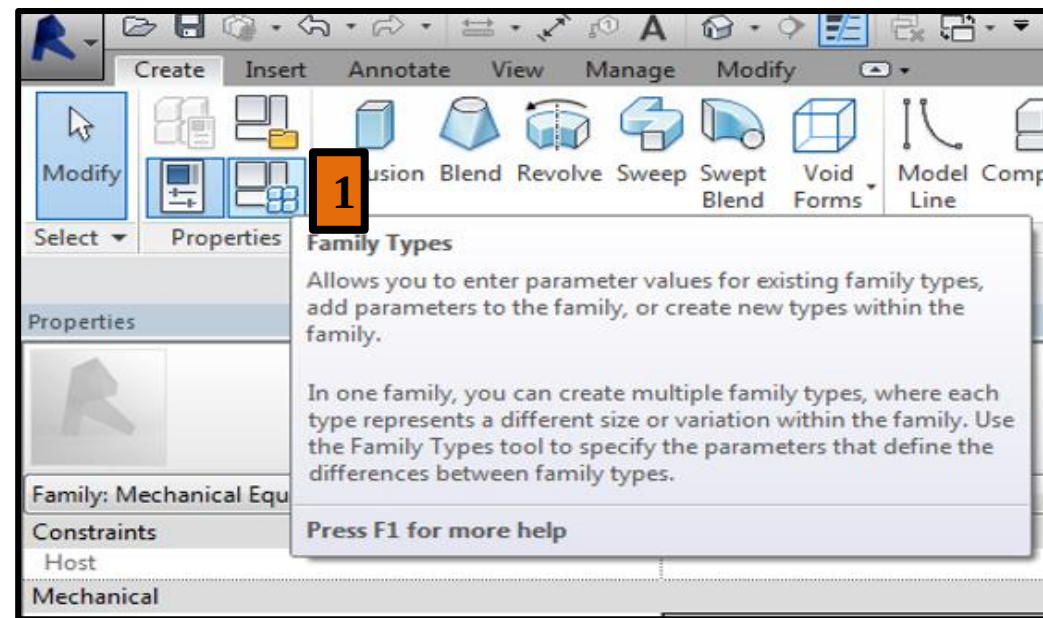
Identity Data

How do I manage family types?

OK Cancel

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: 30KAV0800-OPT119 / 30KAVZE0600-OPT119 / 30KAVP0800 / 30KA

Search parameters

Para

Construction

ATEX Zone

OPT266

OPT266_116

OPT49+ OPT

OPT49+ OPT

OPT49+ OPT

OPT50+ OPT

OPT50+ OPT

OPT50+ OPT

OPT50

OPT50 + OP

OPT49

OPT49 + OP

Service Area

VSD Box

Option 23

Opt23a

Opt 293

Pump HP/BP

15LS/15L

Identity Data

How do I manage family types?

OK Cancel

Family Types

Type name: 30KAV0800-OPT119 / 30KAVZE0600-OPT119 / 30KAVP0800 / 30KA

Search parameters

Parameter	Value	Formula
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	☐	=
OPT50 + OPT325	☐	=
OPT49	☐	=
OPT49 + OPT325	☐	=
Service Area	☐	=
VSD Box	☐	=
Option 23	☐	=
Opt23a	☐	=
Opt 293	☐	=
Pump HP/BP	☐	=
15LS/15L	☐	=

How do I manage family types?

OK Cancel

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

30KAV0800-OPT119 / 30KAVZE0600-OPT119 / 30KAVP0800 / 30KAVPZE0600

Family Types

Type name: 30KAV0800-OPT119 / 30KAVZE0600-OPT119 / 30KAVP0800 / 30KAVPZE0600

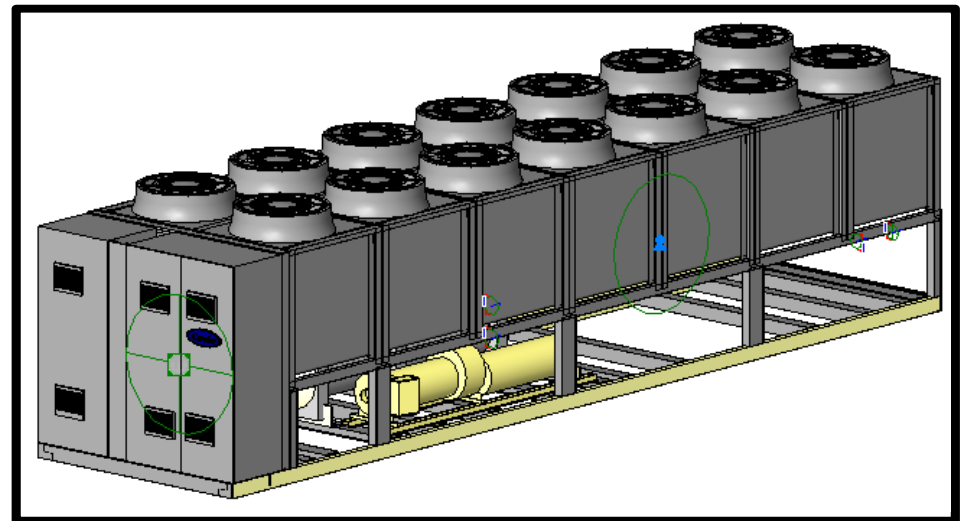
Search parameters

Parameter	Value	Formula
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	☐	"
OPT50 + OPT325	☐	"
OPT49	☐	"
OPT49 + OPT325	☐	"
Service Area		
VSD Box	☐	"
Option 23	☐	"
Opt23a	☐	"
Opt 293	☐	"
Pump HP/BP	☐	"
15LS/15L	☐	"

How do I manage family types?

OK Cancel

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



Option 15/15LS

Low Noise Enclosure Standard unit + Enclosure

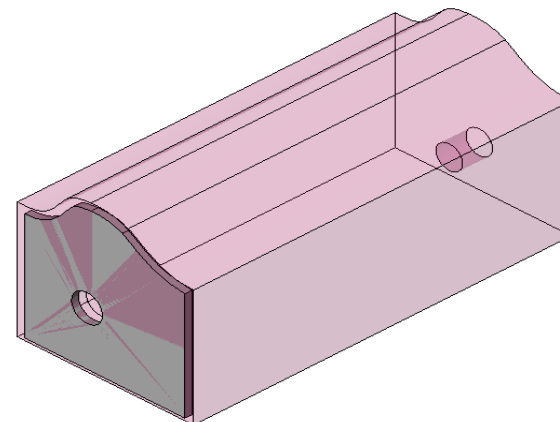
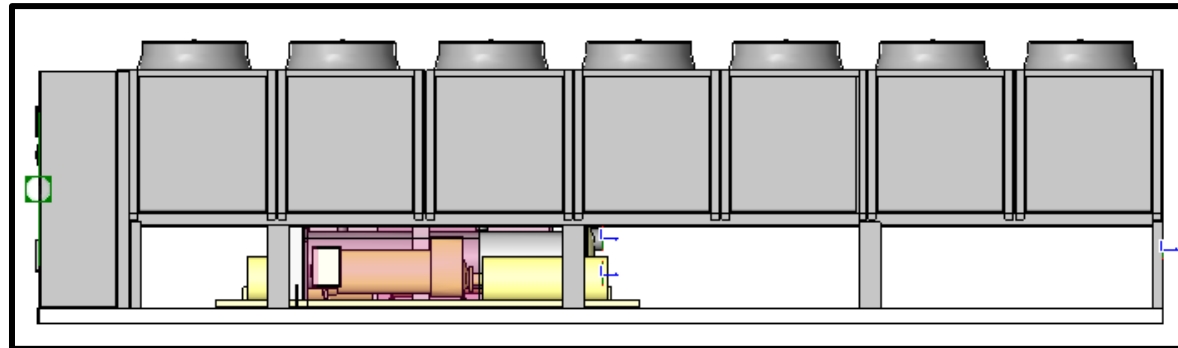
Family Types

Type name:

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	☐
VSD Box	☐
Option 23	☐
Opt23a	☐
Opt 293	☐
800 HP/BP	☐
15LS/15L	☒
Identity Data	

How do I manage family types?



Option 23

Coil panel protection Standard unit + panel+ Grill

Family Types

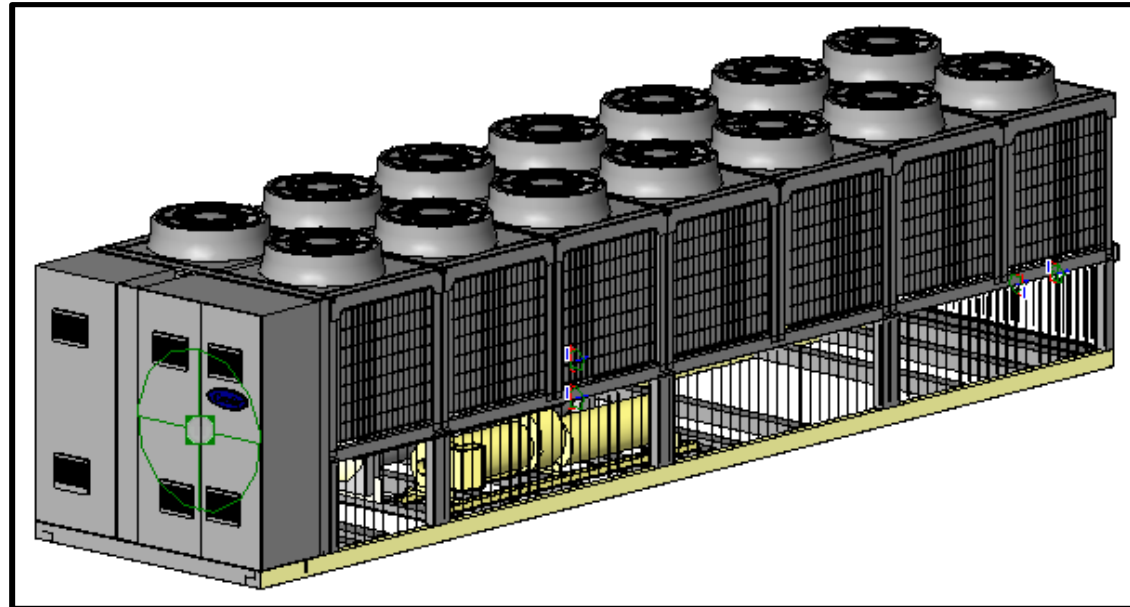
Type name: OPT23

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	☐
VSD Box	☐
Option 23	☒
Opt23a	☐
Opt 293	☐
800 HP/BP	☐
15LS/15L	☐
Identity Data	

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



Option 23a

Coil panel protection Standard unit + panel

Family Types

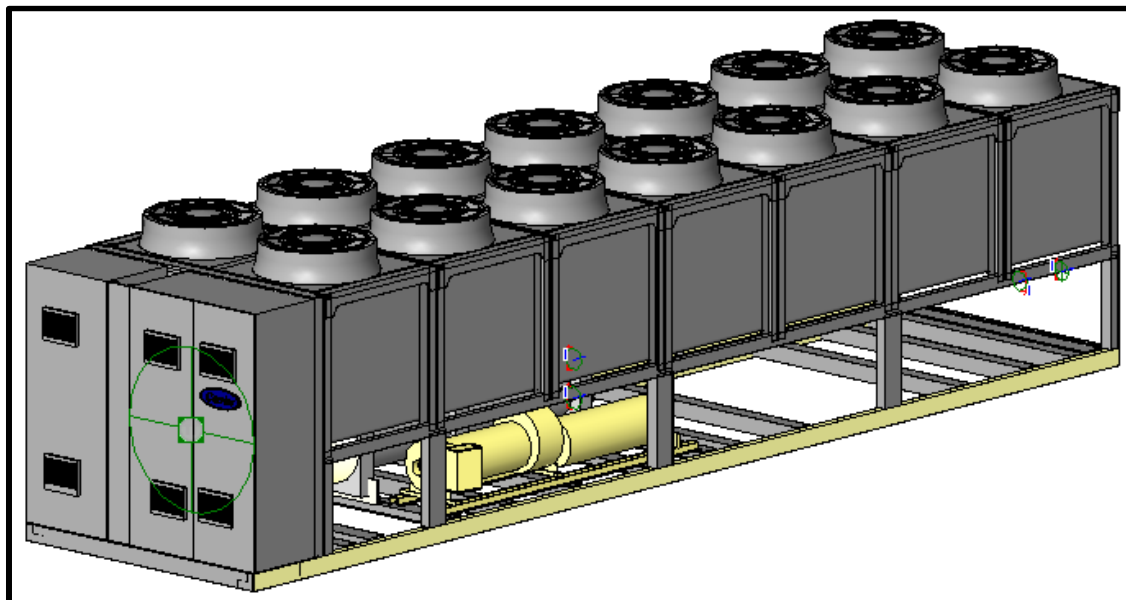
Type name: OPT23a

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	☐
VSD Box	☐
Option 23	☐
Opt23a	☒
Opt 293	☐
800 HP/BP	☐
15LS/15L	☐
Identity Data	

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



Option 116A

Low Pressure Double Pump STD Unit + VSD Controlled Pump(BP)

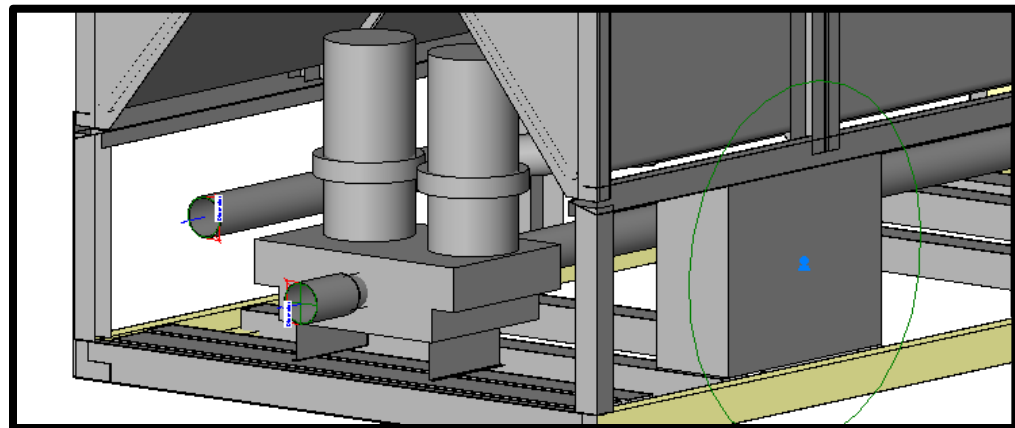
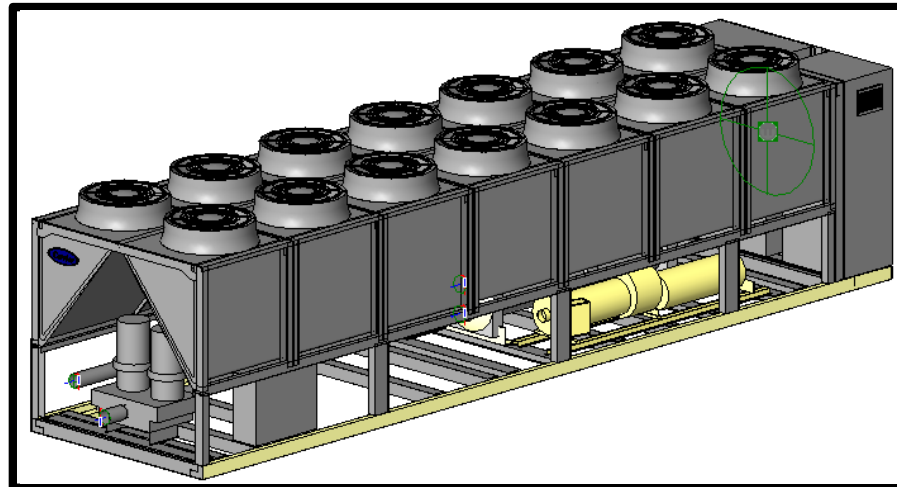
Family Types

Type name: 116A

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	☐
VSD Box	☒
Option 23	☐
Opt23a	☐
Opt 293	☐
800 HP/BP	☒
15LS/15L	☐
Identity Data	

How do I manage family types? OK



Option 116W

High Pressure Double Pump STD Unit + VSD Controlled Pump(HP)

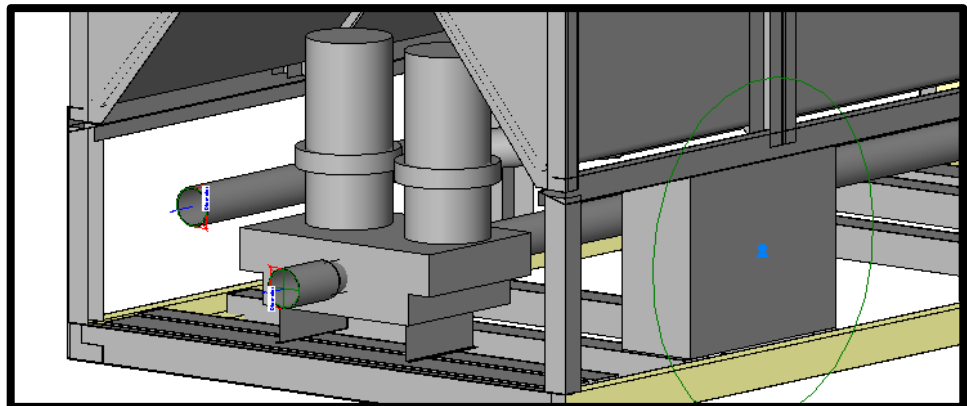
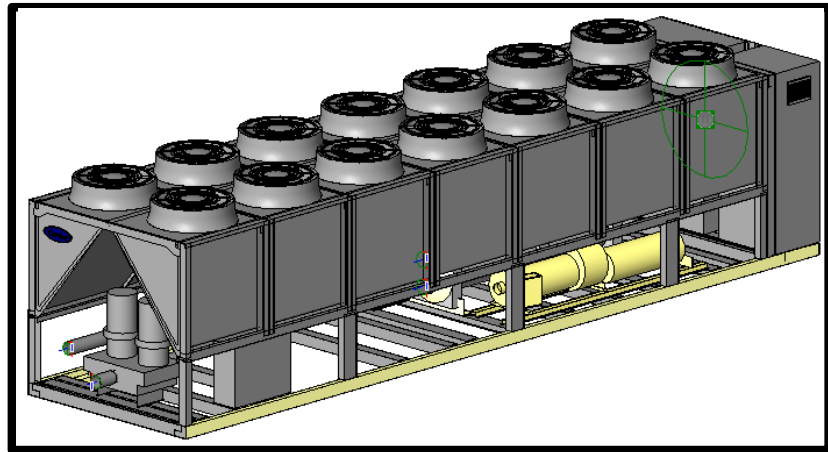
Family Types

Type name: 116W

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	☐
VSD Box	☒
Option 23	☐
Opt23a	☐
Opt 293	☐
800 HP/BP	☒
15LS/15L	☐
Identity Data	

How do I manage family types? OK



Option 116A/119+

Low Pressure Double Pump STD Unit + Pump(BP) 119+ Option

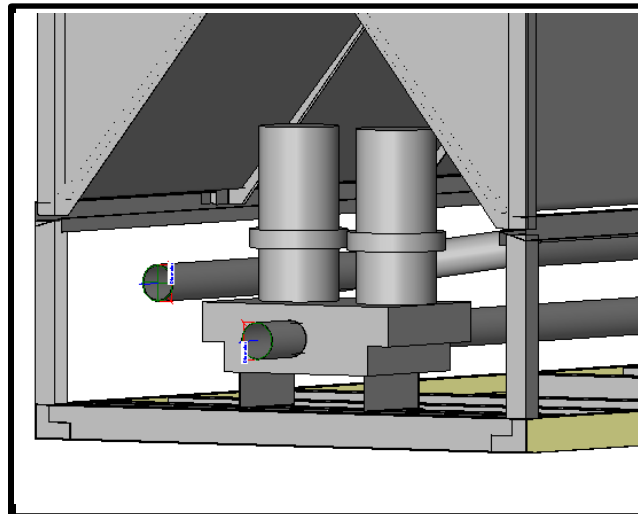
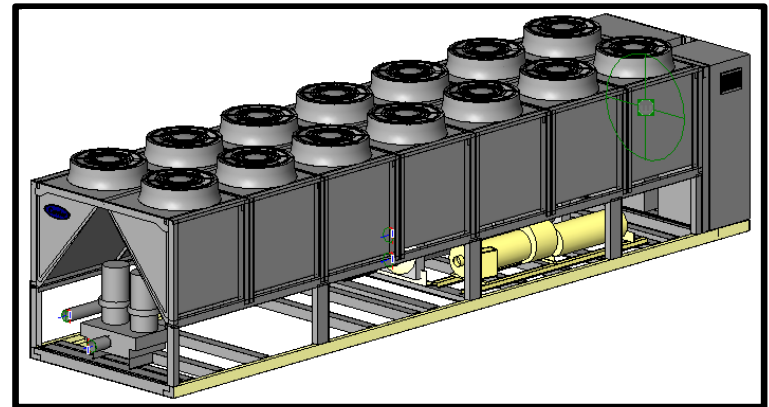
Family Types

Type name:

Parameter	Value	
Construction		
OPT50	☐	=
OPT50 + OPT325	☐	=
OPT49	☐	=
OPT49 + OPT325	☐	=
Service Area	☐	=
VSD Box	☐	=
Option 23	☐	=
Opt23a	☐	=
Opt 293	☐	=
800 HP/BP	☒	=
15LS/15L	☐	=
Identity Data		

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



Option 116W/119+

High Pressure Double Pump STD Unit + Pump(HP) 119+ Option

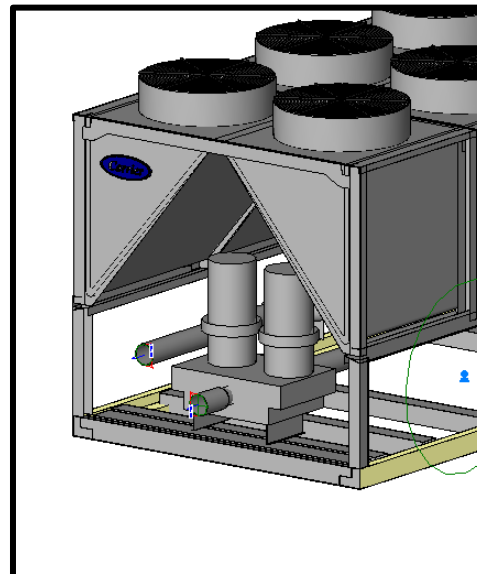
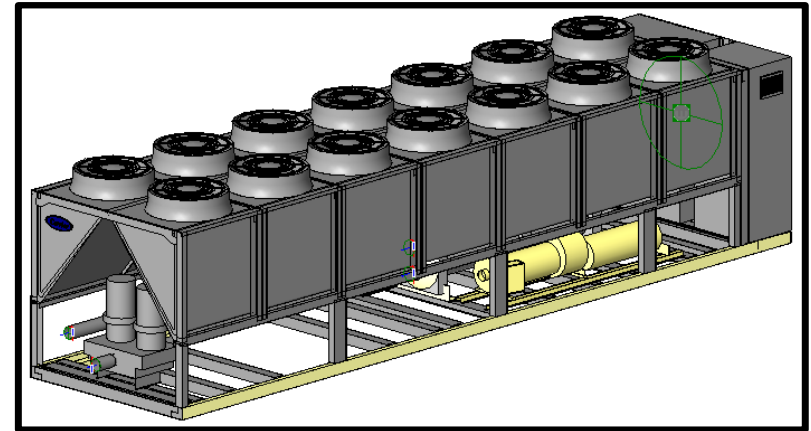
Family Types

Type name: 116W/119+

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	☐
VSD Box	☐
Option 23	☐
Opt23a	☐
Opt 293	☐
800 HP/BP	☒
15LS/15L	☐
Identity Data	

How do I manage family types? OK



Option 293

Expansion Tank

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

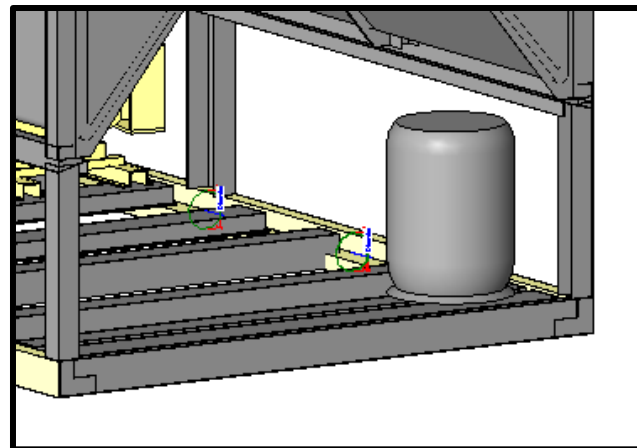
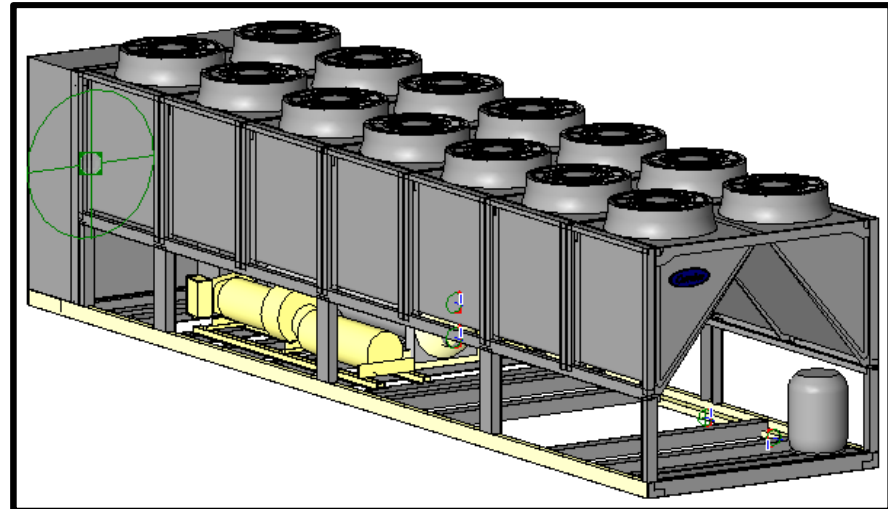
Family Types

Type name:

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	☐
VSD Box	☐
Option 23	☐
Opt23a	☐
Opt 293	☒
800 HP/BP	☐
15LS/15L	☐
Identity Data	

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



Option 50

Total Heat Recovery

Family Types

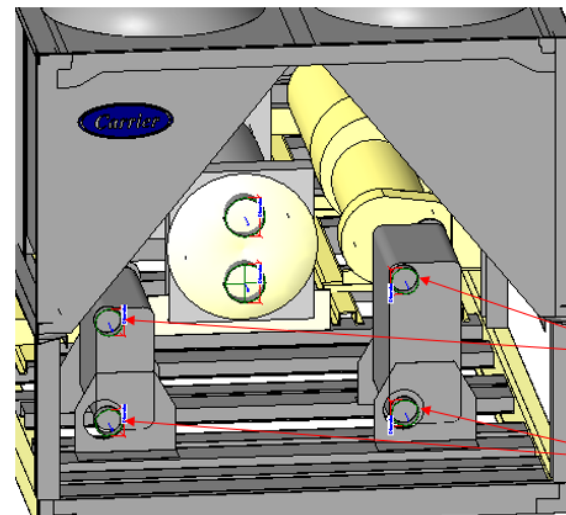
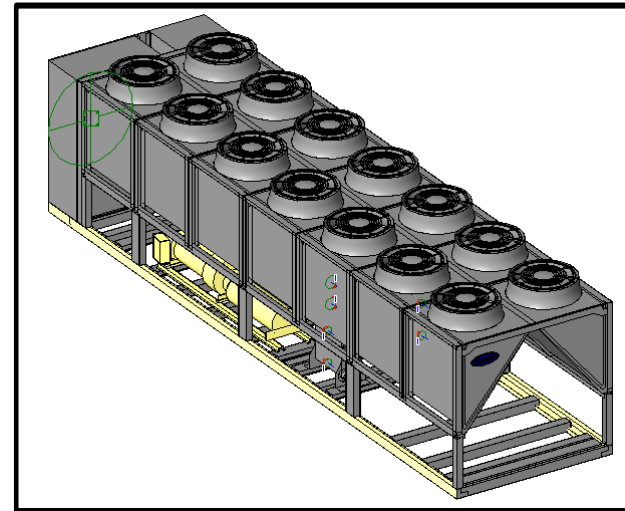
Type name: OPT50

Search parameters

Parameter	Value
Construction	
OPT50	☒
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	
VSD Box	☐
Option 23	☐
Opt23a	☐
Opt 293	☐
800 HP/BP	☐
15LS/15L	☐
Identity Data	

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



Water Outlet

Water Inlet

Option 49

Partial Heat Recovery

Family types

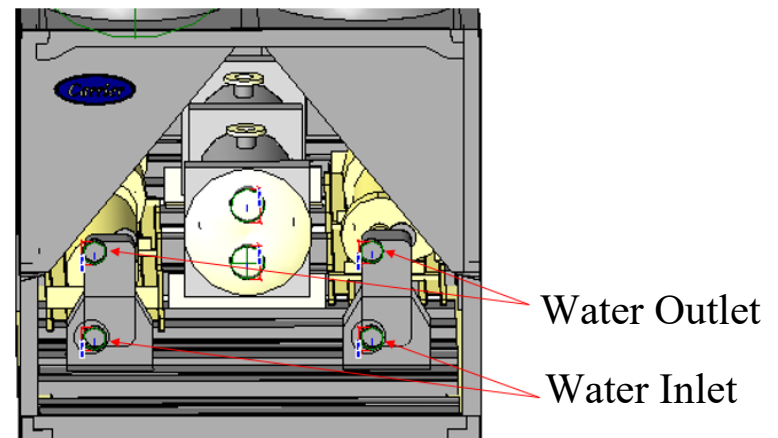
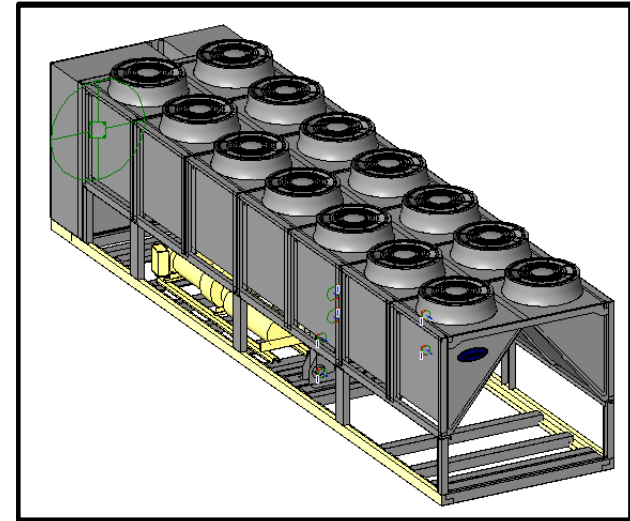
Type name: OPT49

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT50 + OPT325	☐
OPT49	☒
OPT49 + OPT325	☐
Service Area	☐
VSD Box	☐
Option 23	☐
Opt23a	☐
Opt 293	☐
800 HP/BP	☐
15LS/15L	☐
Identity Data	

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



Option 266

Cooler hydraulic connection

Family Types

Type name: OPT266

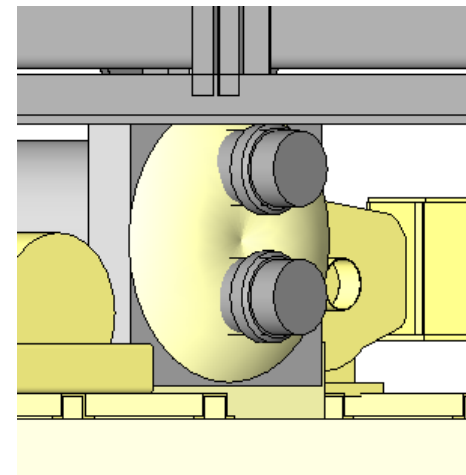
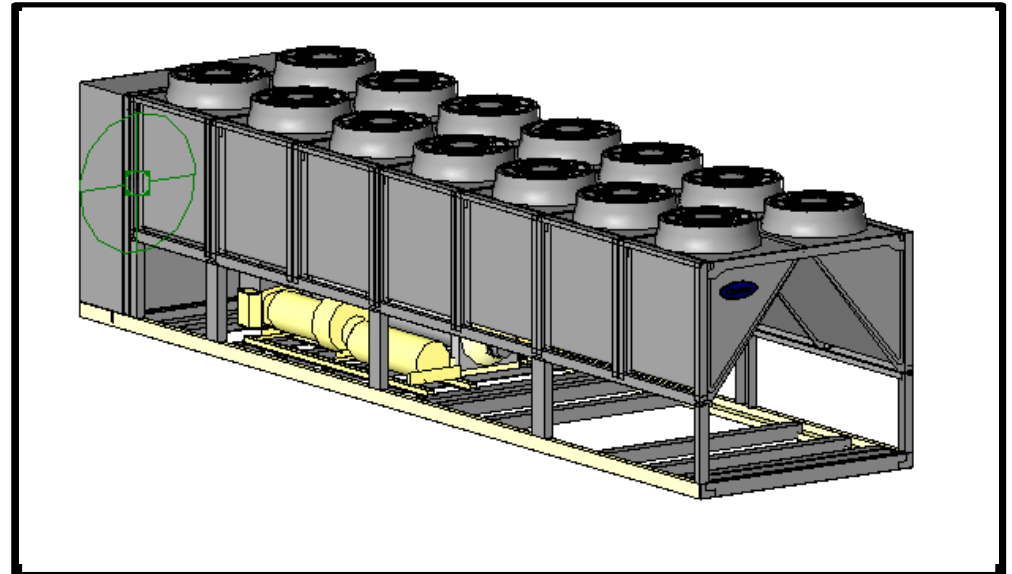
Search parameters

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	☐
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	
VSD Box	☐
Option 23	☐
Opt23a	☐
Opt 293	☐
Pump HP/BP	☐
15LS/15L	☐

<

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



Service Area Option

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

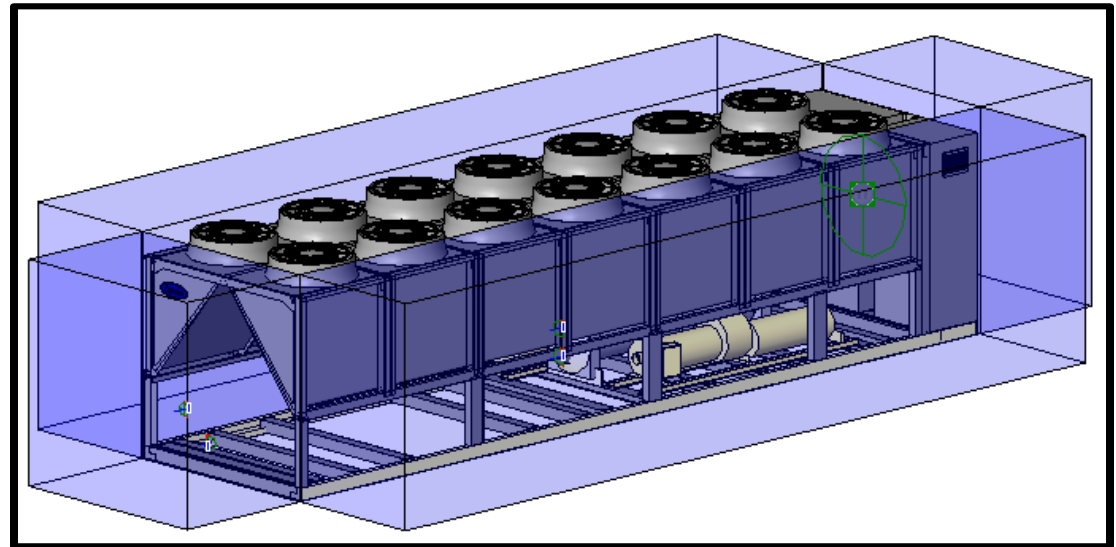
Family Types

Type name:

Search parameters

Parameter	Value	F
Construction		
ATEX Zone	☐	=
OPT266	☐	=
OPT266_116_HYDKIT_BP	☐	=
OPT49+OPT325_OPT266	☐	=
OPT49+OPT325_OPT267	☐	=
OPT49_OPT267	☐	=
OPT50+OPT325_OPT266	☐	=
OPT50+OPT325_OPT267	☐	=
OPT50_OPT267	☐	=
OPT50	☐	=
OPT50 + OPT325	☐	=
OPT49	☐	=
OPT49 + OPT325	☐	=
Service Area	☒	=
VSD Box	☐	=
Option 23	☐	=
Opt23a	☐	=
Opt 293	☐	=
Pump HP/BP	☐	=
15LS/15L	☐	=
Identity Data		

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



Service Area & ATEX Zone - ZE Units

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

Family Types

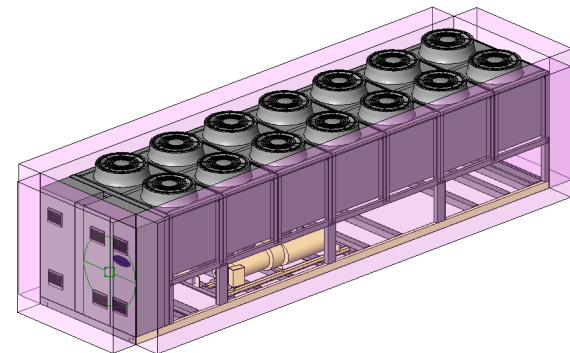
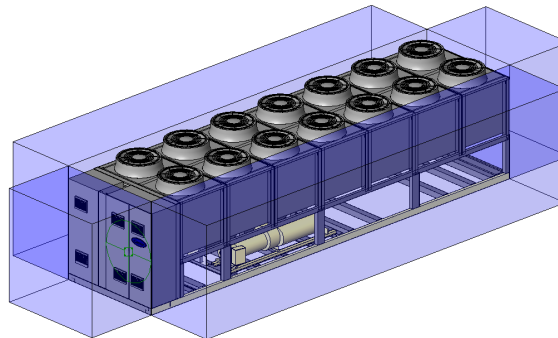
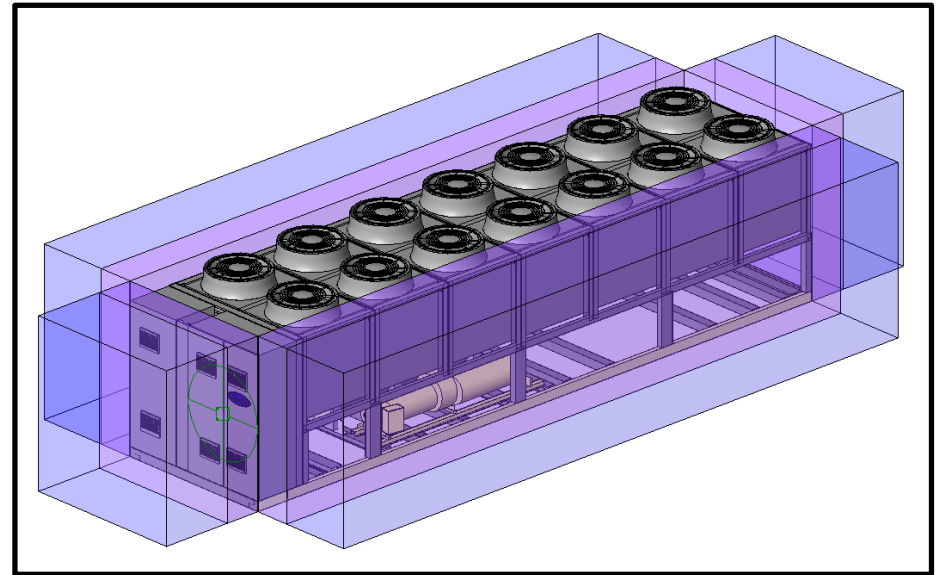
Type name: Service Area + ATEX Zone - Only ZE Units

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	☐
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	☒
VSD Box	☐
Option 23	☐
Opt23a	☐
Opt 293	☐
Pump HP/BP	☐
15LS/15L	☐

How do I manage family types?

OK



Service Area

ATEX Zone

Dual Combo Units

30KAV / 30KAVZE / 30KAVP / 30KAVPZE REVIT DATABASE

30KAV / 30KAVZE / 30KAVP / 30KAVPZE 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
30KAV0800-OPT119 / 30KAVZE0600-OPT119 / 30KAVP0800 / 30KAVPZE0600	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 VSD(BP)
4	Opt 15L/LS + OPT116W	Comp Enclosure + Hydro Kit VSD(HP)
5	Opt 15L/LS + OPT116A/119+	Comp Enclosure + Hydro Kit (BP) For 119+ Option
6	Opt 15L/LS + OPT116W/119+	Comp Enclosure + Hydro Kit (HP) For 119+ Option
7	OPT 23 + OPT 116A	Grill/Panel + Hydro Kit VSD (BP)
8	OPT 23a + OPT 116A	Panel + Hydro Kit VSD (BP)
9	OPT 23 + OPT 116W	Grill/Panel + Hydro Kit VSD (HP)
10	OPT 23a + OPT 116W	Panel + Hydro Kit VSD (HP)
11	OPT 23 + OPT 116A/119+	Grill/Panel + Hydro Kit (BP) For 119+ Option
12	OPT 23a + OPT 116A/119+	Panel + Hydro Kit (BP) For 119+ Option
13	OPT 23 + OPT 116W/119+	Grill/Panel + Hydro Kit (HP) For 119+ Option
14	OPT 23a + OPT 116W/119+	Panel + Hydro Kit (HP) For 119+ Option
15	Opt 116A+ Opt 293	expansion tank+Hydro Kit VSD (BP)
16	Opt 116W+ Opt 293	expansion tank+Hydro Kit VSD (HP)
17	Opt 293+OPT 116A/119+	expansion tank+Hydro Kit (BP) For 119+ Option
18	Opt 293+OPT 116W/119+	expansion tank+Hydro Kit (HP) For 119+ Option
19	Opt 50 + Opt 325	Total Heat Recovery + Water Pipe
20	Opt 49 + Opt 325	Partial Heat Recovery + Water Pipe
21	Opt 116A + Opt 266	Hydro Kit (BP) + Cooler hydraulic connection
22	Opt 116W + Opt 266	Hydro Kit (HP) + Cooler hydraulic connection

Option 15/15LS+Option23

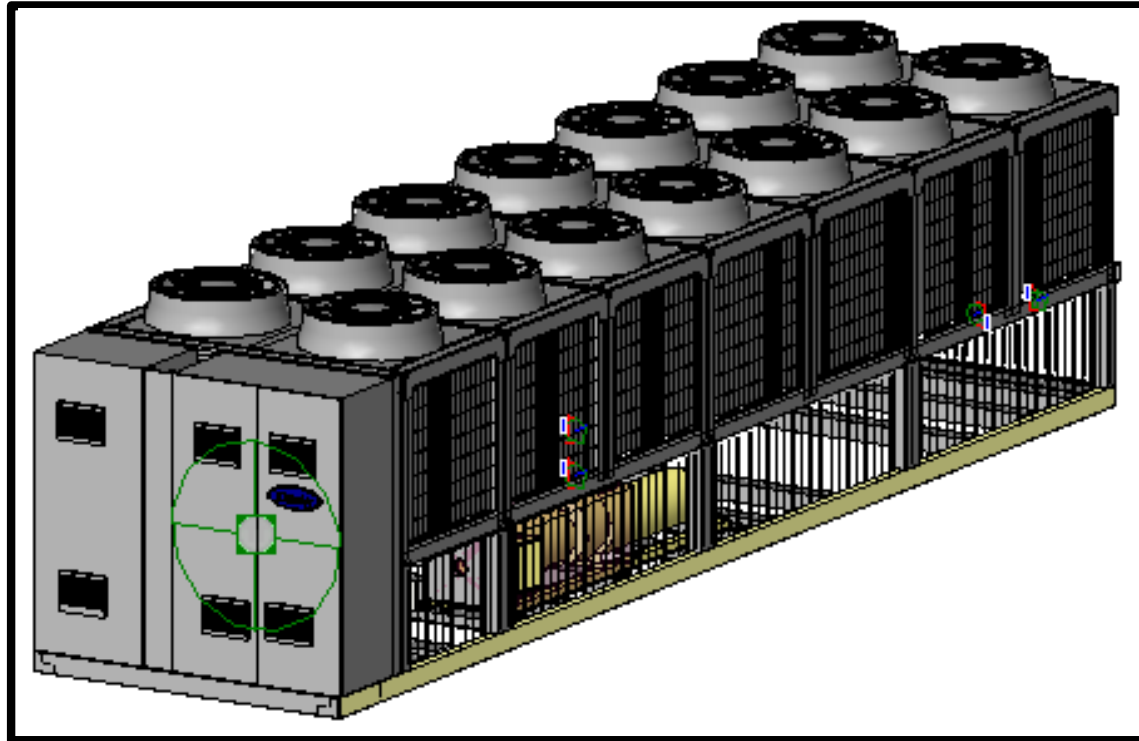
Family Types

Type name:

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT50 + OPT325	☐	=
OPT49	☐	=
OPT49 + OPT325	☐	=
Service Area	☐	=
VSD Box	☐	=
Option 23	☒	=
Opt23a	☐	=
Opt 293	☐	=
800 HP/BP	☐	=
15LS/15L	☒	=
Identity Data		

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



Option 15/15LS+Option23a

Family Types

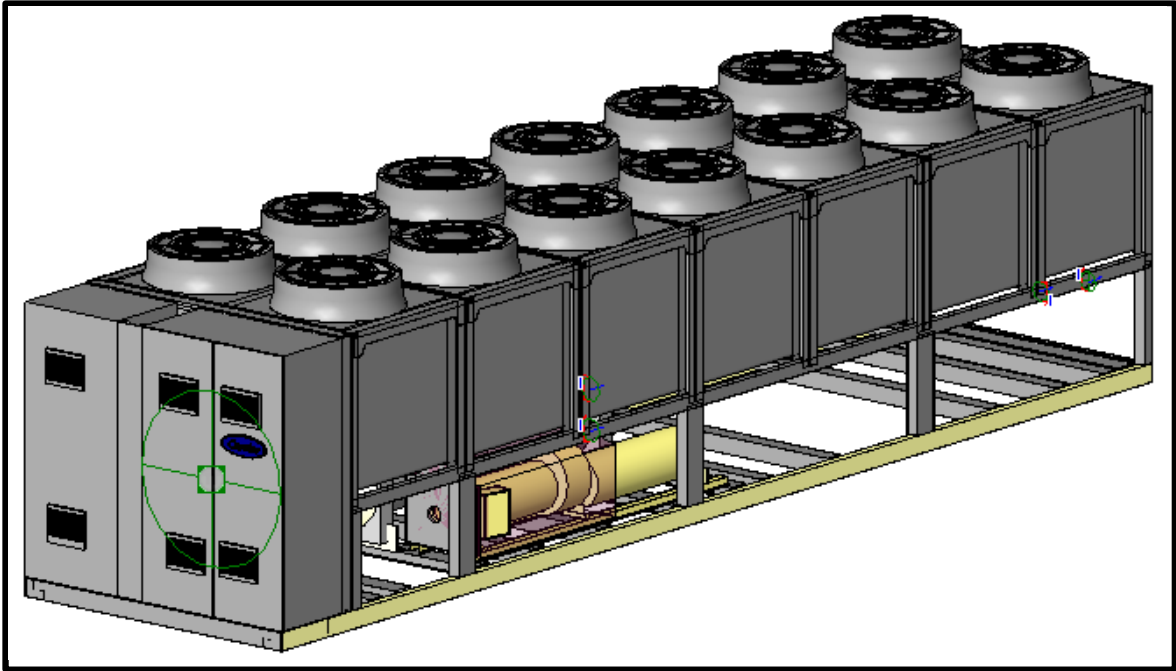
Type name:

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT50 + OPT325	☐	=
OPT49	☐	=
OPT49 + OPT325	☐	=
Service Area	☐	=
VSD Box	☐	=
Option 23	☐	=
Opt23a	☒	=
Opt 293	☐	=
800 HP/BP	☐	=
15LS/15L	☒	=
Identity Data		

How do I manage family types?

OK



Option 116A+Option15/15LS

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

Family Types

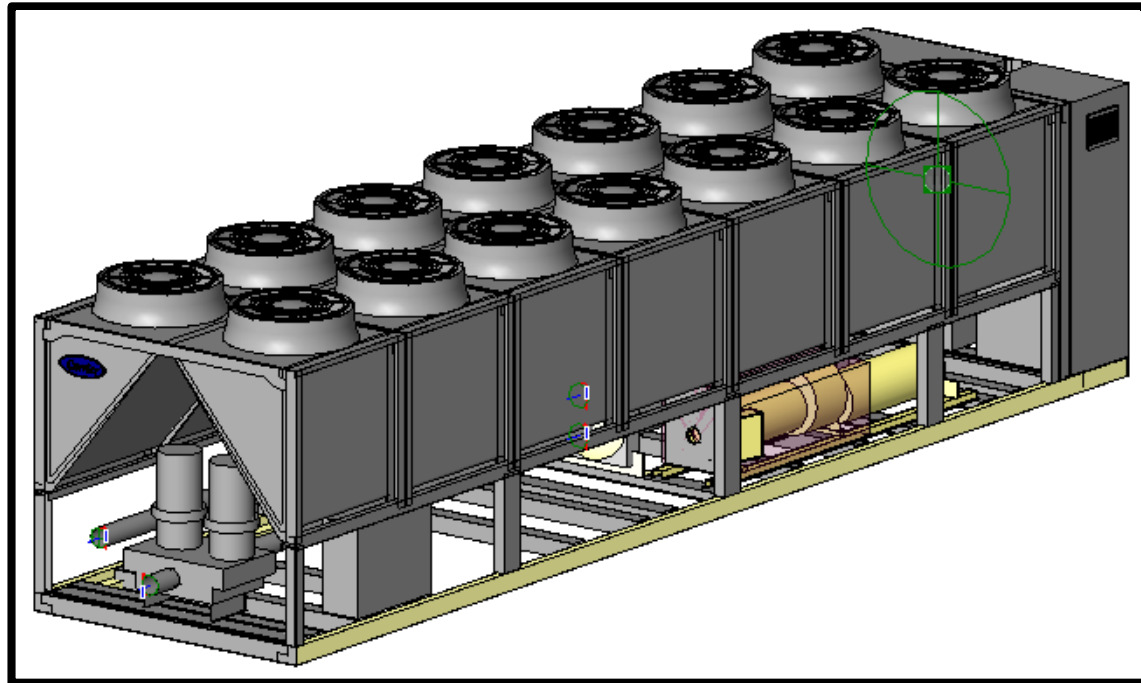
Type name:

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	☐
VSD Box	☒
Option 23	☐
Opt23a	☐
Opt 293	☐
800 HP/BP	☒
15LS/15L	☒
Identity Data	

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



Option 116A+Option23

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

Family Types

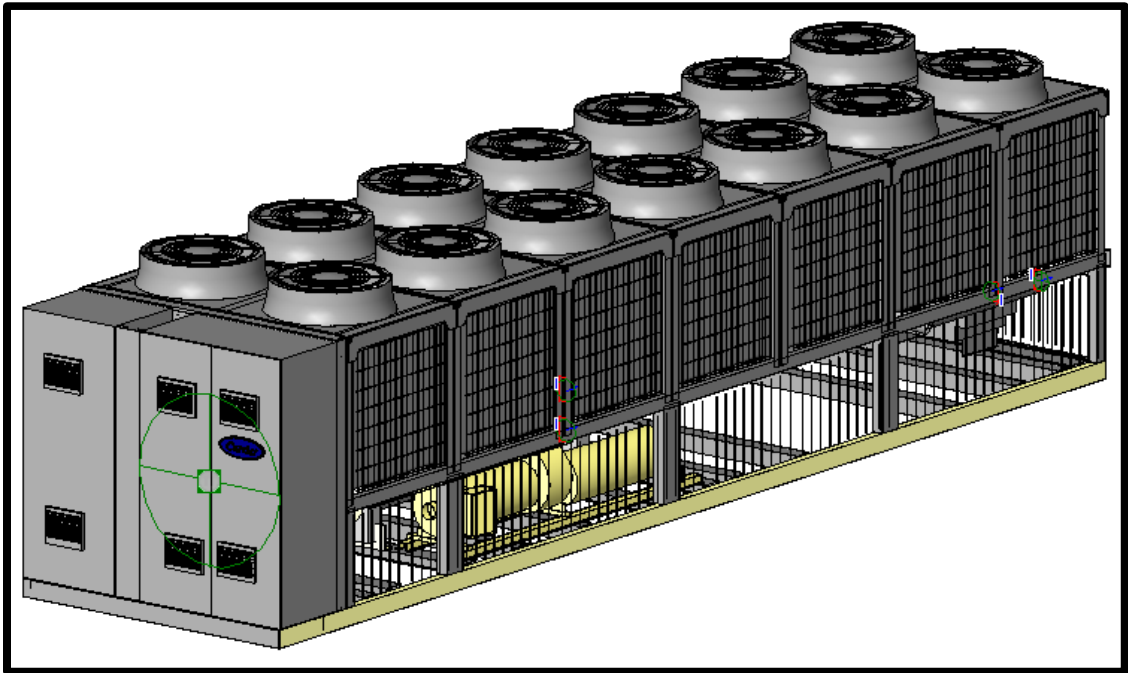
Type name:

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT50 + OPT325	☐	=
OPT49	☐	=
OPT49 + OPT325	☐	=
Service Area	☐	=
VSD Box	☒	=
Option 23	☒	=
Opt23a	☐	=
Opt 293	☐	=
800 HP/BP	☒	=
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, 116A/119+, 116W/119+ is also configured

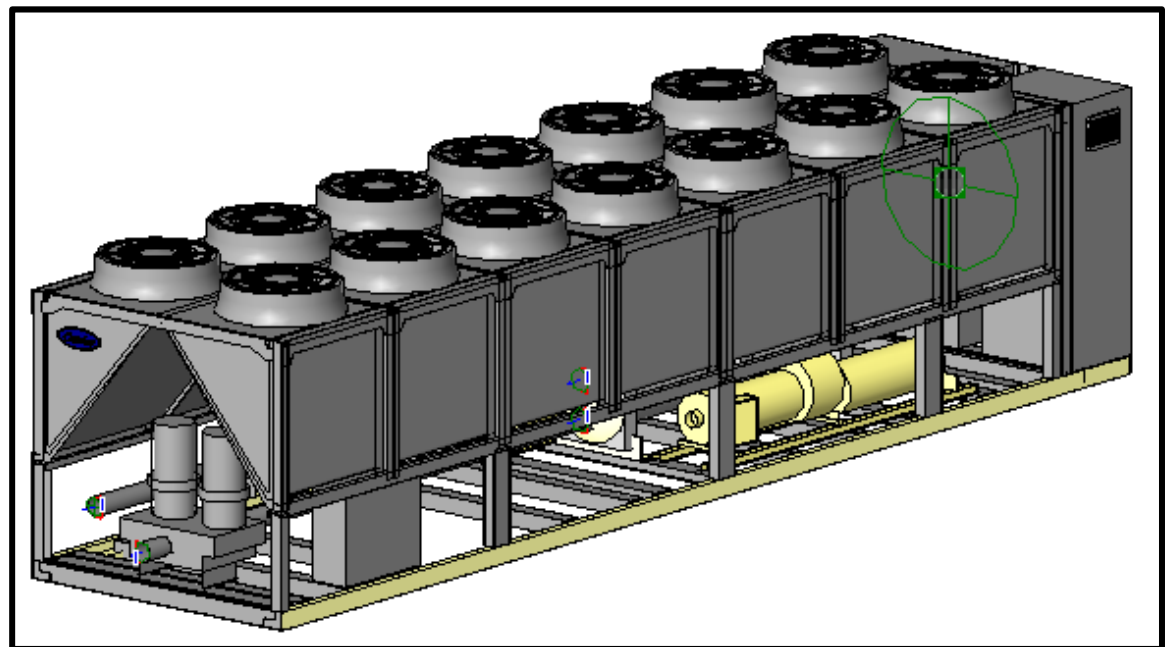
Family Types

Type name: Opt 23a + OPT116A

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT50 + OPT325	☐	=
OPT49	☐	=
OPT49 + OPT325	☐	=
Service Area	☐	=
VSD Box	☒	=
Option 23	☐	=
Opt23a	☒	=
Opt 293	☐	=
800 HP/BP	☒	=
15LS/15L	☐	=
Identity Data		

How do I manage family types?



Option 116+Option293

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

Family Types

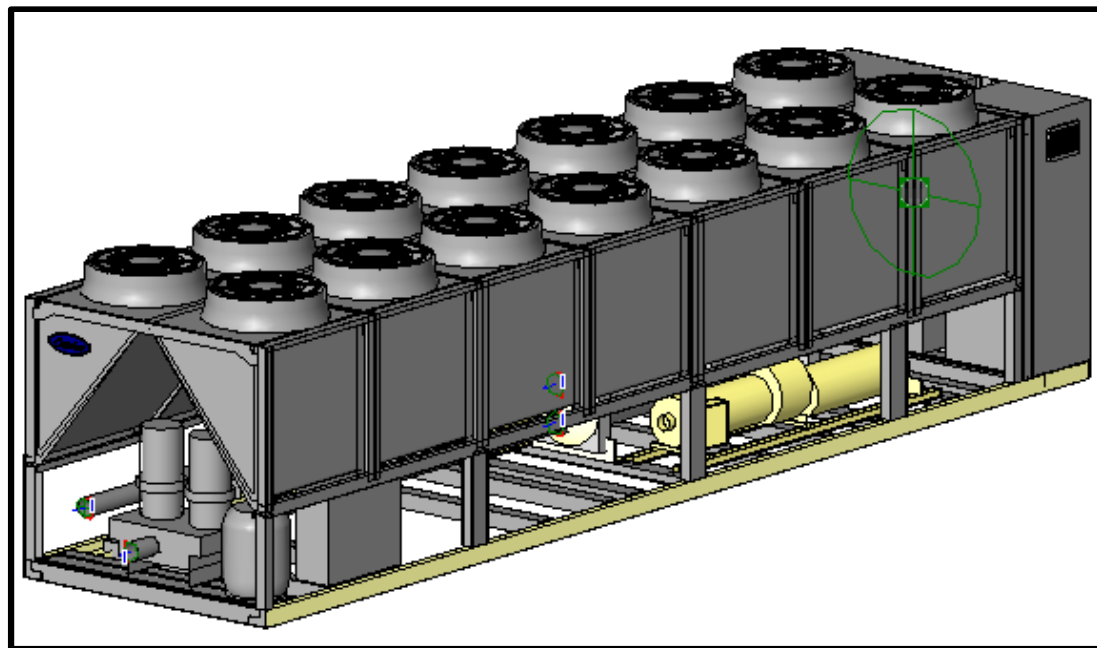
Type name:

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	☐
VSD Box	☒
Option 23	☐
Opt23a	☐
Opt 293	☒
800 HP/BP	☒
15LS/15L	☐
Identity Data	

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



Option50 + Option325

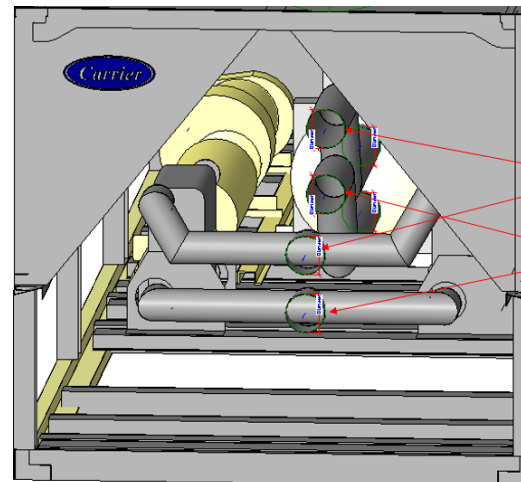
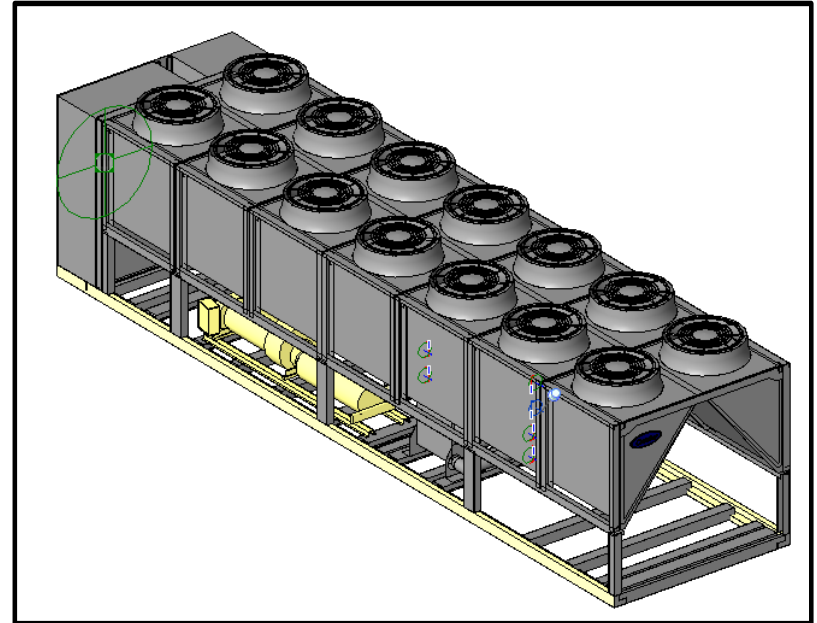
Family Types

Type name: OPT50 + OPT325

Search parameters

Parameter	Value	
Construction		
OPT50	☒	=
OPT50 + OPT325	☒	=
OPT49	☐	=
OPT49 + OPT325	☐	=
Service Area	☐	=
VSD Box	☐	=
Option 23	☐	=
Opt23a	☐	=
Opt 293	☐	=
800 HP/BP	☐	=
15LS/15L	☐	=
Identity Data		

How do I manage family types? OK



Water Outlet

Water Inlet

Option49 + Option325

Family Types

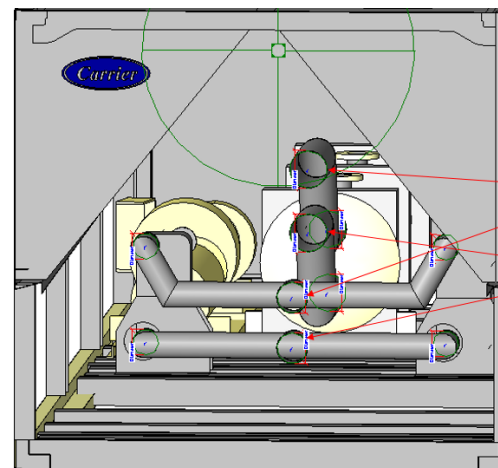
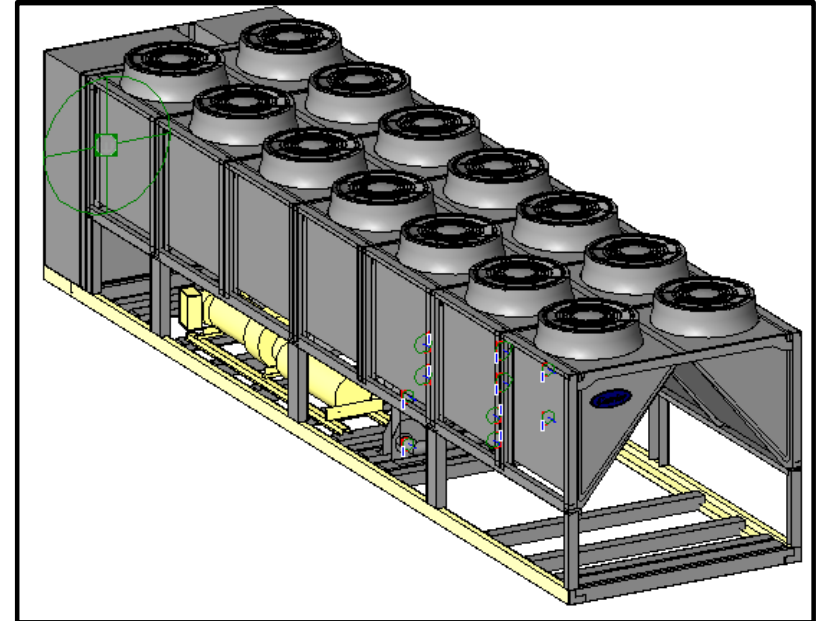
Type name: OPT49 + OPT325

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT50 + OPT325	☐
OPT49	☒
OPT49 + OPT325	☒
Service Area	☐
VSD Box	☐
Option 23	☐
Opt23a	☐
Opt 293	☐
800 HP/BP	☐
15LS/15L	☐
Identity Data	

How do I manage family types?

OK

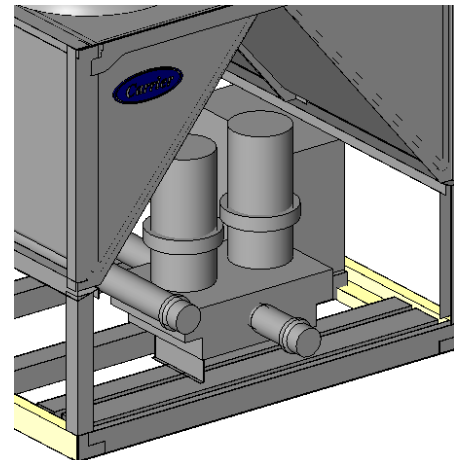
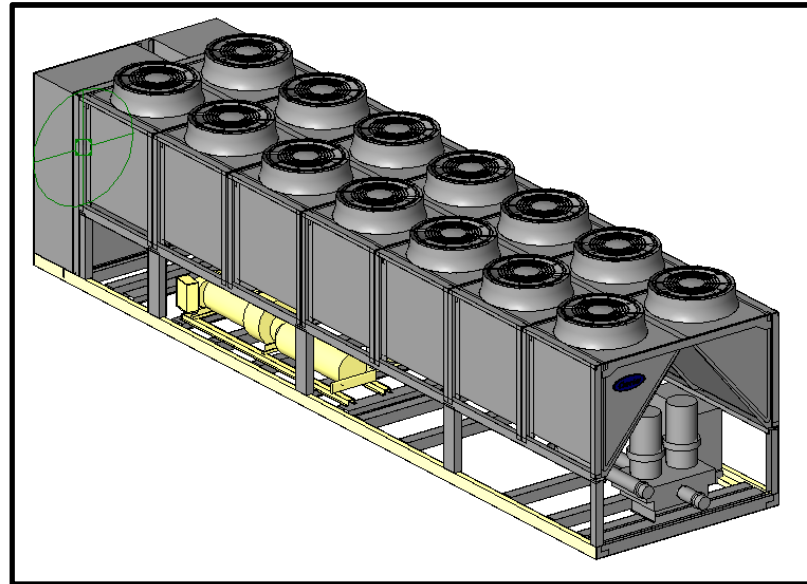
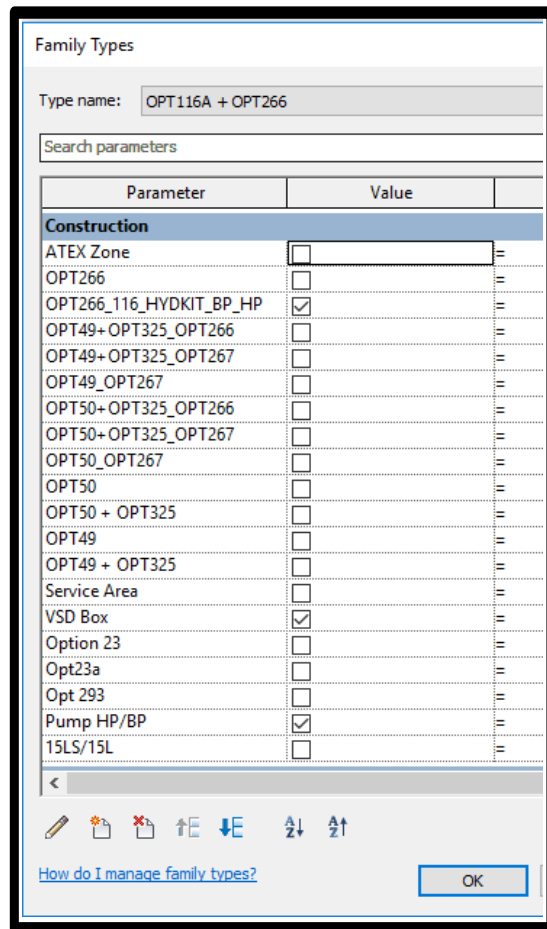


Water Outlet

Water Inlet

Option 116 + Option 266

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



Triple Combo Units

30KAV / 30KAVZE / 30KAVP / 30KAVPZE REVIT DATABASE

30KAV / 30KAVZE / 30KAVP / 30KAVPZE 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
30KAV0800-OPT119 / 30KAVZE0600-OPT119 / 30KAVP0800 / 30KAVPZE0600	x	x	x	x	x	x	x

SL NO	Revit Option	Description
1	Opt 15L/LS + OPT23+Opt116A	Comp Enclosure+ Grill/panel+Hydro Kit VSD(BP)
2	Opt 15L/LS + OPT23a+Opt116A	Comp Enclosure+ panel+Hydro Kit VSD(BP)
3	Opt 15L/LS + OPT23+Opt116W	Comp Enclosure+ Grill/panel+Hydro Kit VSD(HP)
4	Opt 15L/LS + OPT23a+Opt116W	Comp Enclosure+ panel+Hydro Kit VSD(HP)
5	Opt 15L/LS + OPT23+Opt116A/119+	Comp Enclosure+ Grill/panel+Hydro Kit (BP) For 119+ Option
6	Opt 15L/LS + OPT23a+Opt116A/119+	Comp Enclosure+ panel+Hydro Kit (BP) For 119+ Option
7	Opt 15L/LS + OPT23+Opt116W/119+	Comp Enclosure+ Grill/panel+Hydro Kit (HP) For 119+ Option
8	Opt 15L/LS + OPT23a+Opt116W/119+	Comp Enclosure+ panel+Hydro Kit (HP) For 119+ Option
9	Opt 15L/LS + OPT293+Opt116A	Comp Enclosure+ expansion tank+Hydro Kit VSD (BP)
10	Opt 15L/LS + OPT293+Opt116W	Comp Enclosure+ expansion tank+Hydro Kit VSD (HP)
11	Opt 15L/LS + OPT293+Opt116A/119+	Comp Enclosure+ expansion tank+Hydro Kit (BP) For 119+ Option
12	Opt 15L/LS + OPT293+Opt116W/119+	Comp Enclosure+ expansion tank+Hydro Kit (HP) VSD For 119+ Option
13	OPT 23/23a + OPT 116A+Opt293	Grill/panel+ expansion tank+Hydro Kit (BP)
14	OPT 23/23a +Opt293+ Opt 116A/119+	Grill/panel+ expansion tank+Hydro Kit (BP) Option For 119+
15	OPT 23/23a +Opt293+ Opt 116W/119+	Grill/panel+ expansion tank+Hydro Kit (HP) For 119+ Option
16	OPT 23/23a + OPT 116W+Opt293	Grill/panel+ expansion tank+Hydro Kit (HP)
17	OPT 50 + OPT 266 + Opt267	Total Heat Recovery + Cooler hydraulic connection + BPHE hydraulic connection
18	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, 116A/119+, 116W/119+ is also configured

Family Types

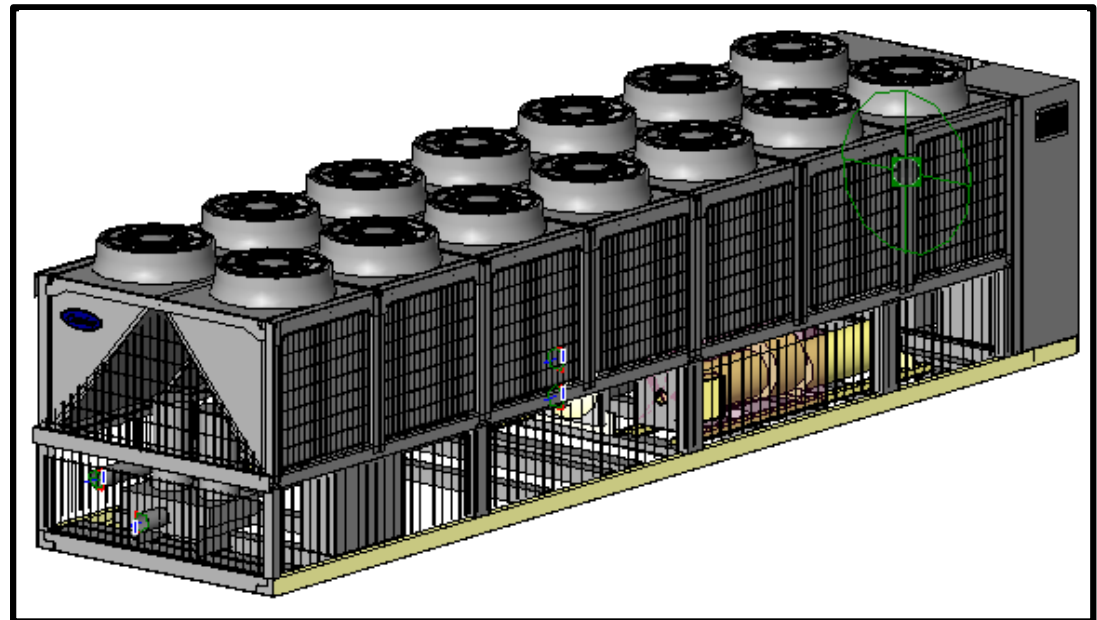
Type name:

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	☐
VSD Box	☒
Option 23	☒
Opt23a	☐
Opt 293	☐
800 HP/BP	☒
15LS/15L	☒
Identity Data	

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



Option 15L/15LS+Option23a+ Option116

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

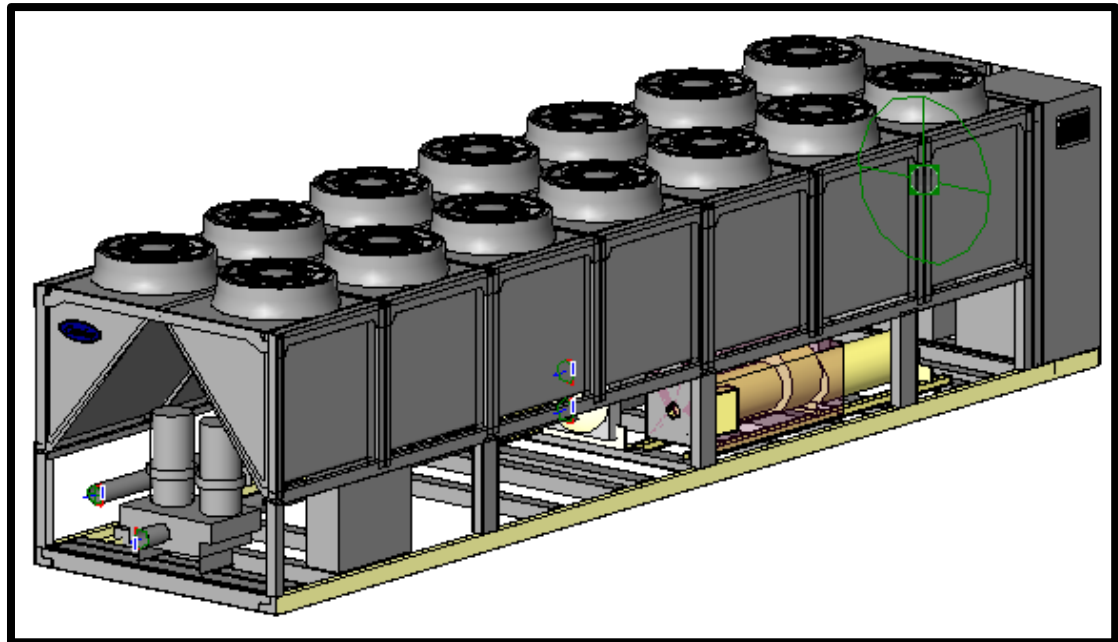
Family Types

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

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	☐
VSD Box	☒
Option 23	☐
Opt23a	☒
Opt 293	☐
800 HP/BP	☒
15LS/15L	☒
Identity Data	

How do I manage family types? OK



Option 15L/15LS+Option293 + Option116

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

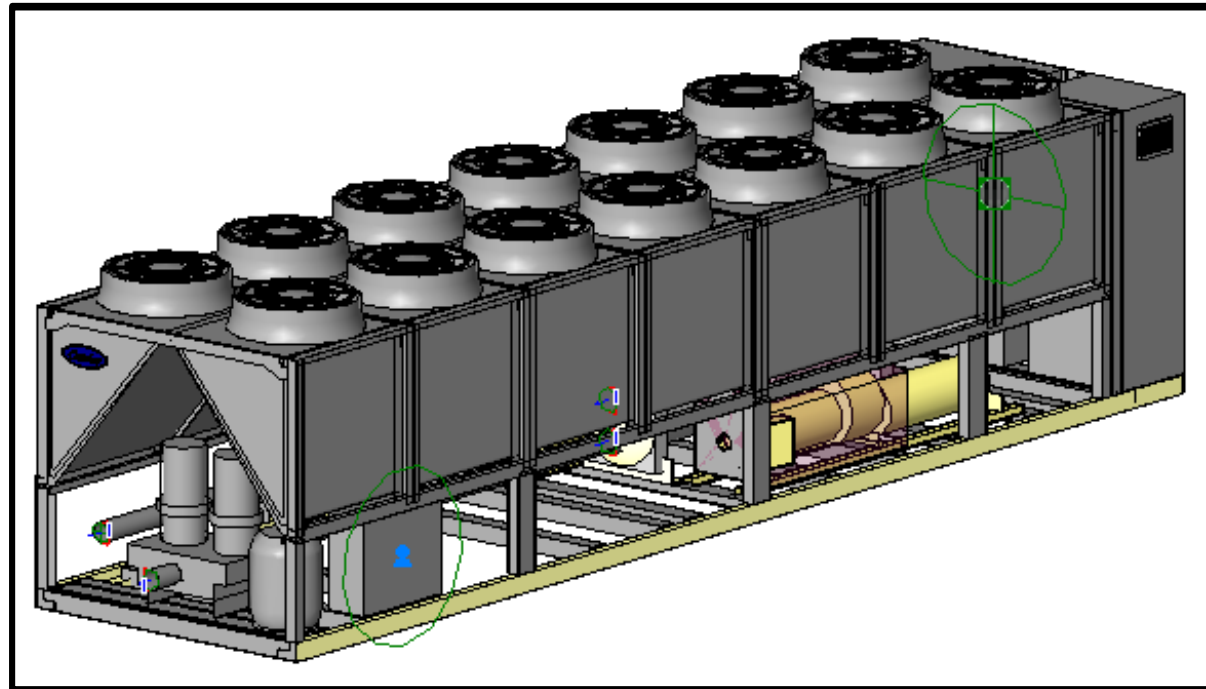
Family Types

Type name:

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	☐
VSD Box	☒
Option 23	☐
Opt23a	☐
Opt 293	☒
800 HP/BP	☒
15LS/15L	☒
Identity Data	

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



OPT 23+ OPT 116+Opt293

1) In this slide only 116A is shown. Same way 116W, 116A/119+, 116W/119+ is also configured

Family Types

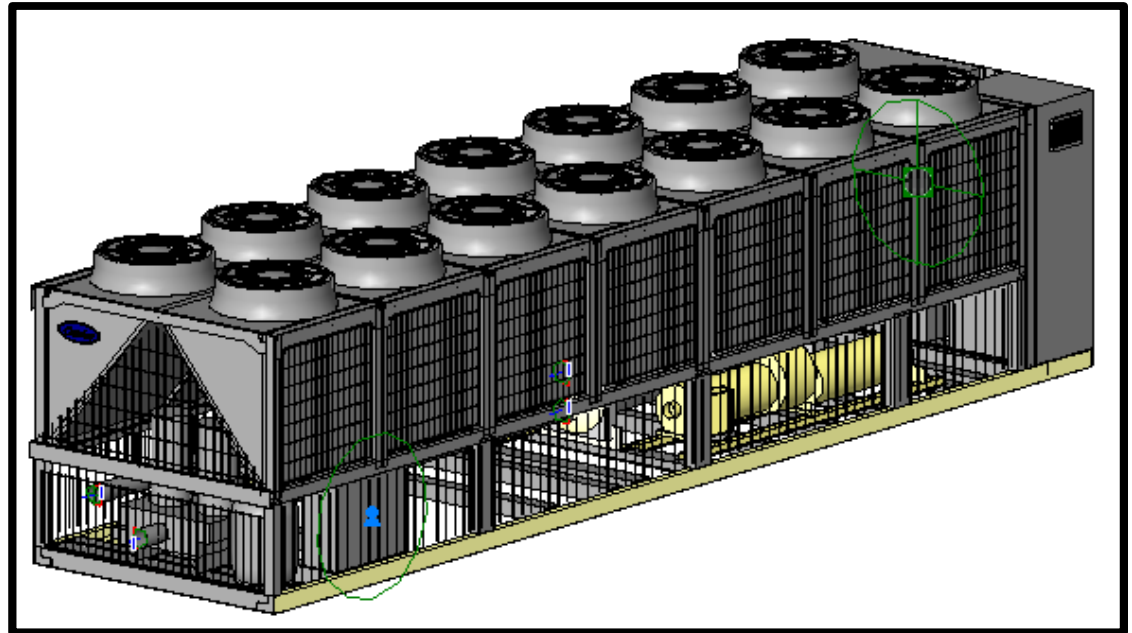
Type name:

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT50 + OPT325	☐	=
OPT49	☐	=
OPT49 + OPT325	☐	=
Service Area	☐	=
VSD Box	☒	=
Option 23	☒	=
Opt23a	☐	=
Opt 293	☒	=
800 HP/BP	☒	=
15LS/15L	☐	=
Identity Data		

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



OPT 23a+ OPT 116+Opt293

1) In this slide only 116A is shown. Same way 116W, 116G/119+, 116I/119+ is also configured

Family Types

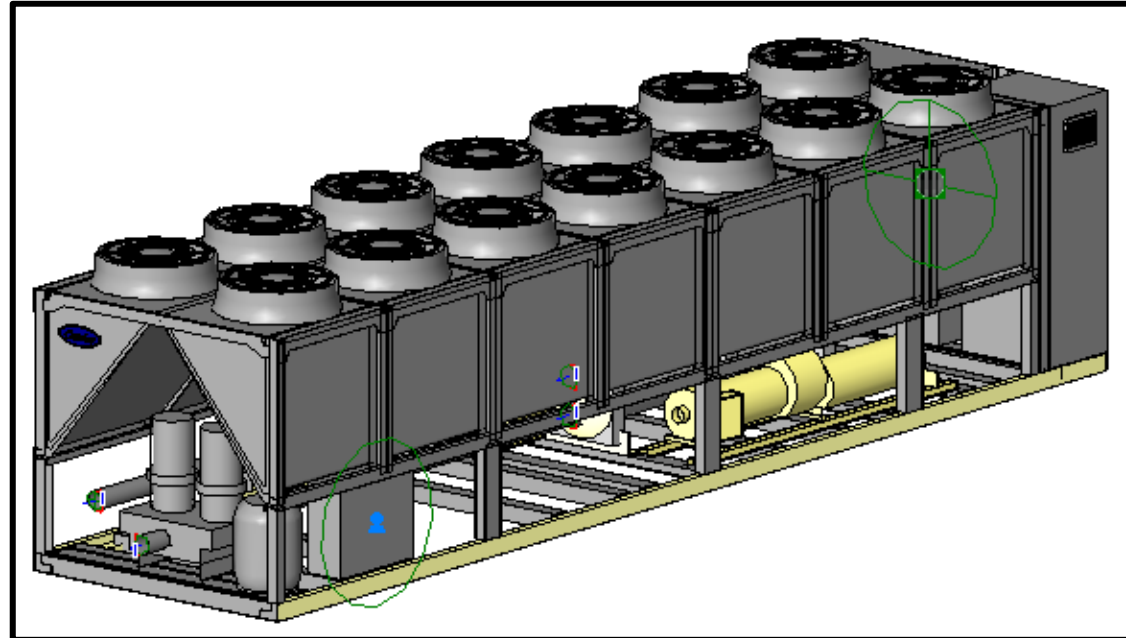
Type name: Opt 23a + Opt 293+OPT116A

Search parameters

Parameter	Value	
Construction		
OPT50	☐	=
OPT50 + OPT325	☐	=
OPT49	☐	=
OPT49 + OPT325	☐	=
Service Area	☐	=
VSD Box	☒	=
Option 23	☐	=
Opt23a	☒	=
Opt 293	☒	=
800 HP/BP	☒	=
15LS/15L	☐	=
Identity Data		

How do I manage family types?

OK



OPT 50 + OPT 266 + Opt267

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

Family Types

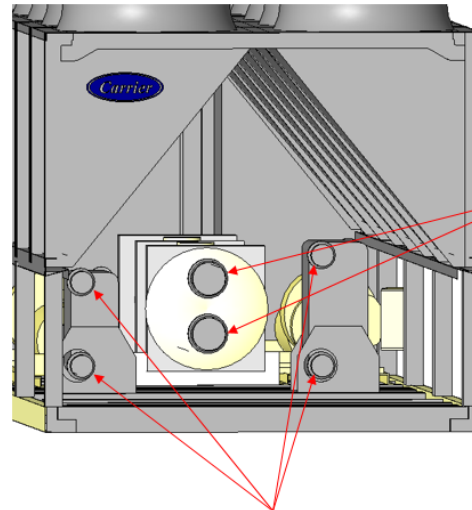
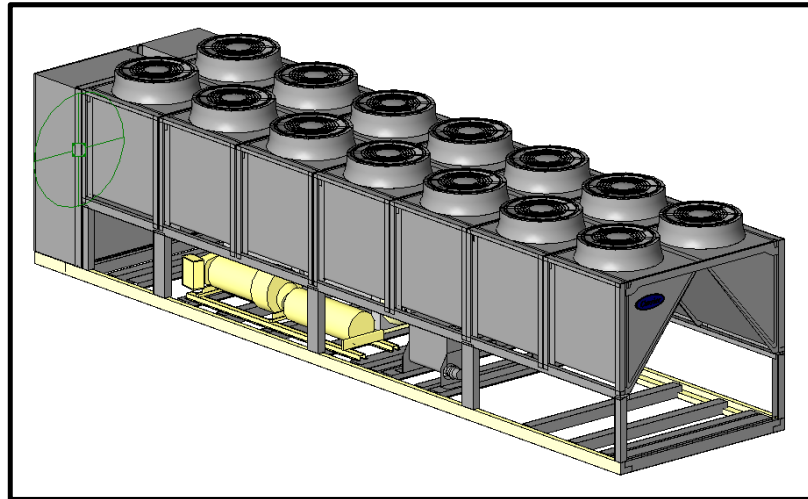
Type name: OPT50 + OPT266 + OPT267

Search parameters

Parameter	Value
Construction	
ATEX Zone	☐
OPT266	☒
OPT266_116_HYDKIT_BP_HP	☐
OPT49+OPT325_OPT266	☐
OPT49+OPT325_OPT267	☐
OPT49_OPT267	☐
OPT50+OPT325_OPT266	☐
OPT50+OPT325_OPT267	☐
OPT50_OPT267	☒
OPT50	☒
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	☐
VSD Box	☐
Option 23	☐
Opt23a	☐
Opt 293	☐
Pump HP/BP	☐
15LS/15L	☐

< [Icons]

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



Opt 266

Opt 267

4 Combo Units

30KAV / 30KAVZE / 30KAVP / 30KAVPZE REVIT DATABASE

<u>30KAV / 30KAVZE / 30KAVP / 30KAVPZE 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
30KAV0800-OPT119 / 30KAVZE0600-OPT119 / 30KAVP0800 / 30KAVPZE0600	x	x	x	x

SL NO	Revit Option	Description
1	Opt 15L/LS + OPT23+Opt116A+OPT293	Comp Enclosure+ Grill/panel+expansion tank+Hydro Kit VSD (BP)
2	Opt 15L/LS + OPT23a+Opt116A+OPT293	Comp Enclosure+ panel+expansion tank+Hydro Kit VSD (BP)
3	Opt 15L/LS + OPT23+OPT293+Opt116A/119+	Comp Enclosure+ Grill/panel+expansion tank+Hydro Kit (BP) For 119+ Option
4	Opt 15L/LS + OPT23a+OPT293+Opt116A/119+	Comp Enclosure+ panel+expansion tank+Hydro Kit (BP) For 119+ Option
5	Opt 15L/LS + OPT23+OPT293+Opt116W/119+	Comp Enclosure+ Grill/panel+expansion tank+Hydro Kit (HP) For 119+ Option
6	Opt 15L/LS + OPT23a+OPT293+Opt116W/119+	Comp Enclosure+ panel+expansion tank+Hydro Kit (HP) For 119+ Option
7	Opt 15L/LS + OPT23+Opt116W+OPT293	Comp Enclosure+ Grill/panel+expansion tank+Hydro Kit VSD (BP)
8	Opt 15L/LS + OPT23a+Opt116W+OPT293	Comp Enclosure+ panel+expansion tank+Hydro Kit VSD (BP)
9	OPT 50 + OPT325 + OPT 266 + Opt267	Total Heat Recovery + Water pipe + Cooler hydraulic connection + BPHE hydraulic connection
10	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, 116A/119+, 116W/119+ is also configured

Family Types

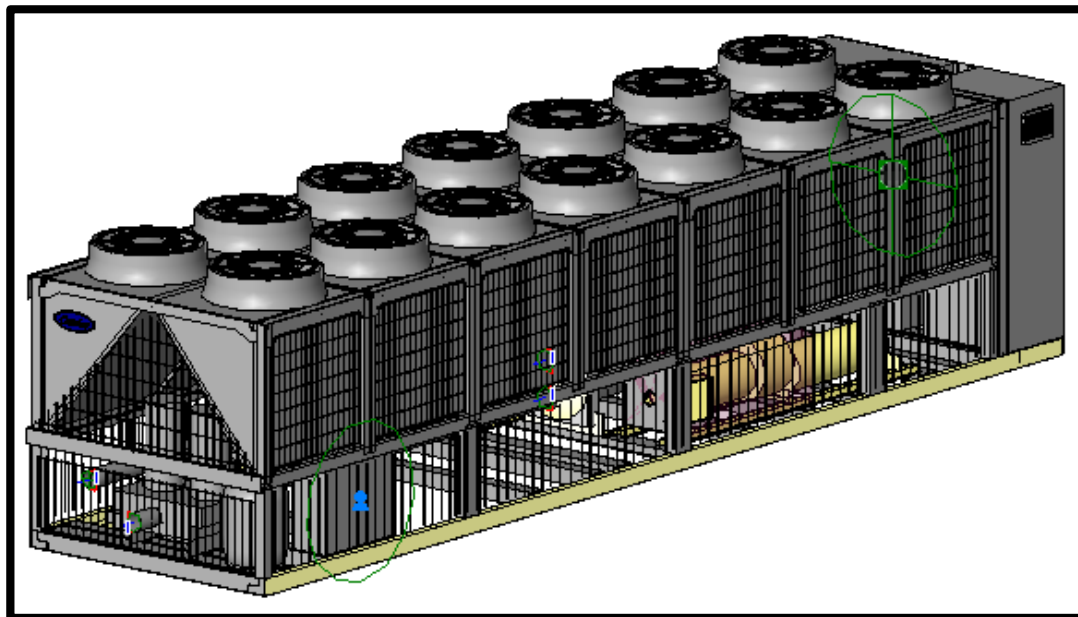
Type name: Opt 15L/LS + OPT23+OPT293+Opt116A

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	
VSD Box	☒
Option 23	☒
Opt23a	☐
Opt 293	☒
800 HP/BP	☒
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. Same way 116W, 116A/119+, 116W/119+ is also configured

Family Types

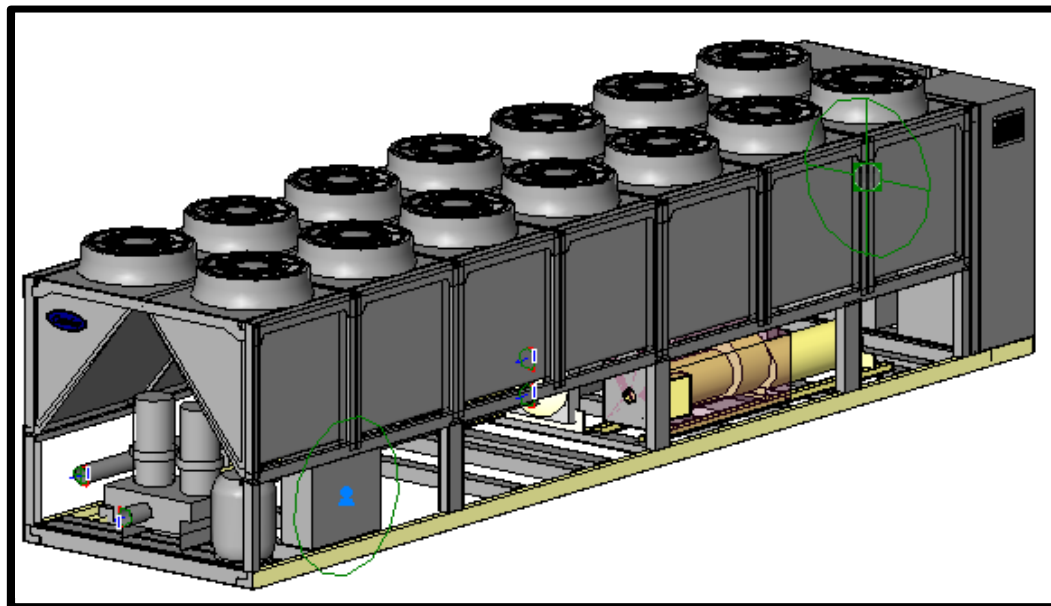
Type name: Opt 15L/LS + OPT23a+OPT293+Opt116A

Search parameters

Parameter	Value
Construction	
OPT50	☐
OPT50 + OPT325	☐
OPT49	☐
OPT49 + OPT325	☐
Service Area	☐
VSD Box	☒
Option 23	☐
Opt23a	☒
Opt 293	☒
800 HP/BP	☒
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

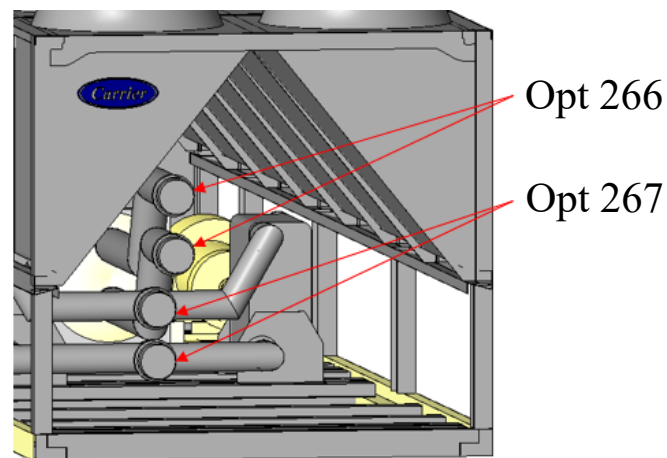
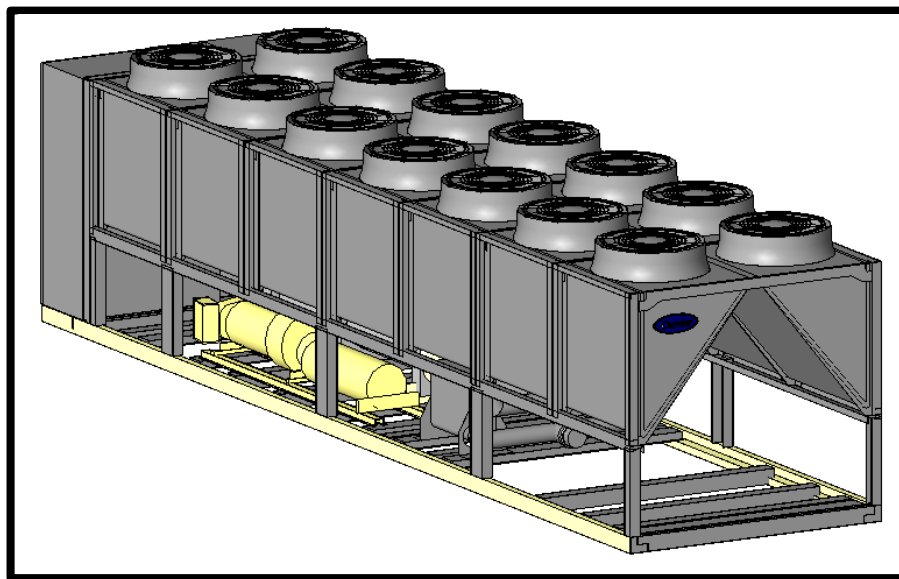
Type name: OPT50 + OPT325 + OPT266 + OPT267

Search parameters

Parameter	Value	F
Construction		
ATEX Zone		
OPT266		
OPT266_116_HYDKIT_BP_		
OPT49+OPT325_OPT266		
OPT49+OPT325_OPT267		
OPT49_OPT267		
OPT50+OPT325_OPT266	☒	
OPT50+OPT325_OPT267	☒	
OPT50_OPT267		
OPT50	☒	
OPT50 + OPT325	☒	
OPT49		
OPT49 + OPT325		
Service Area		
VSD Box		
Option 23		
Opt23a		
Opt 293		
Pump HP/BP		
15LS/15L		
Identity Data		

How do I manage family types?

OK



IMPORTANT:-

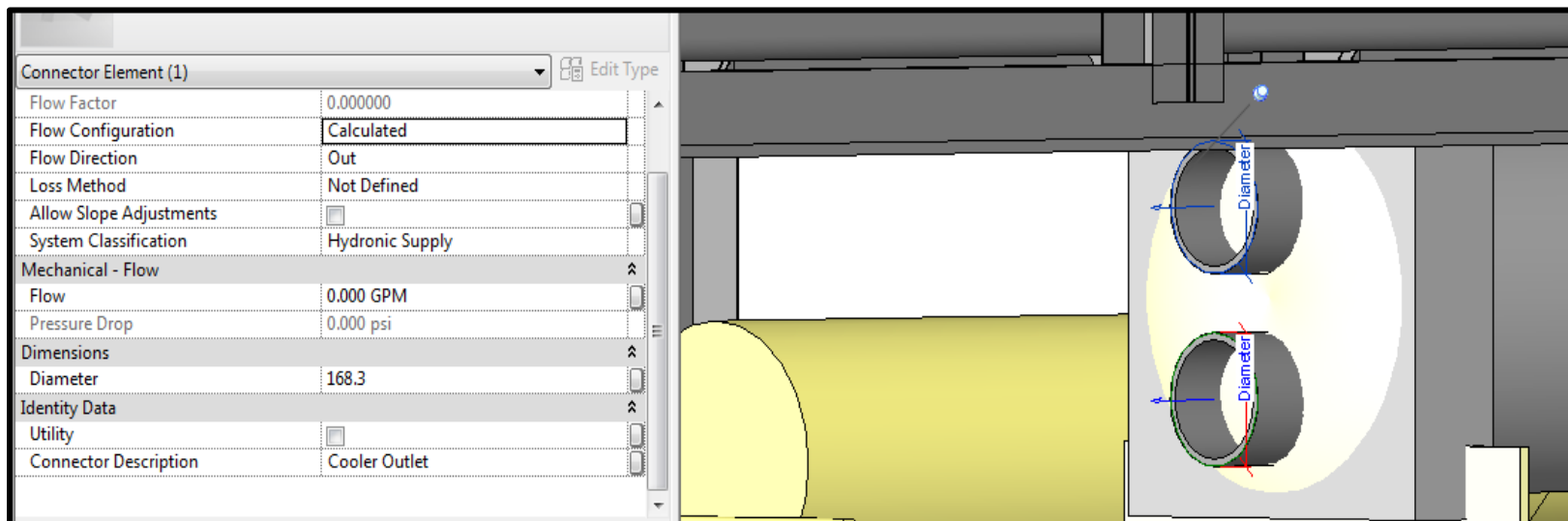
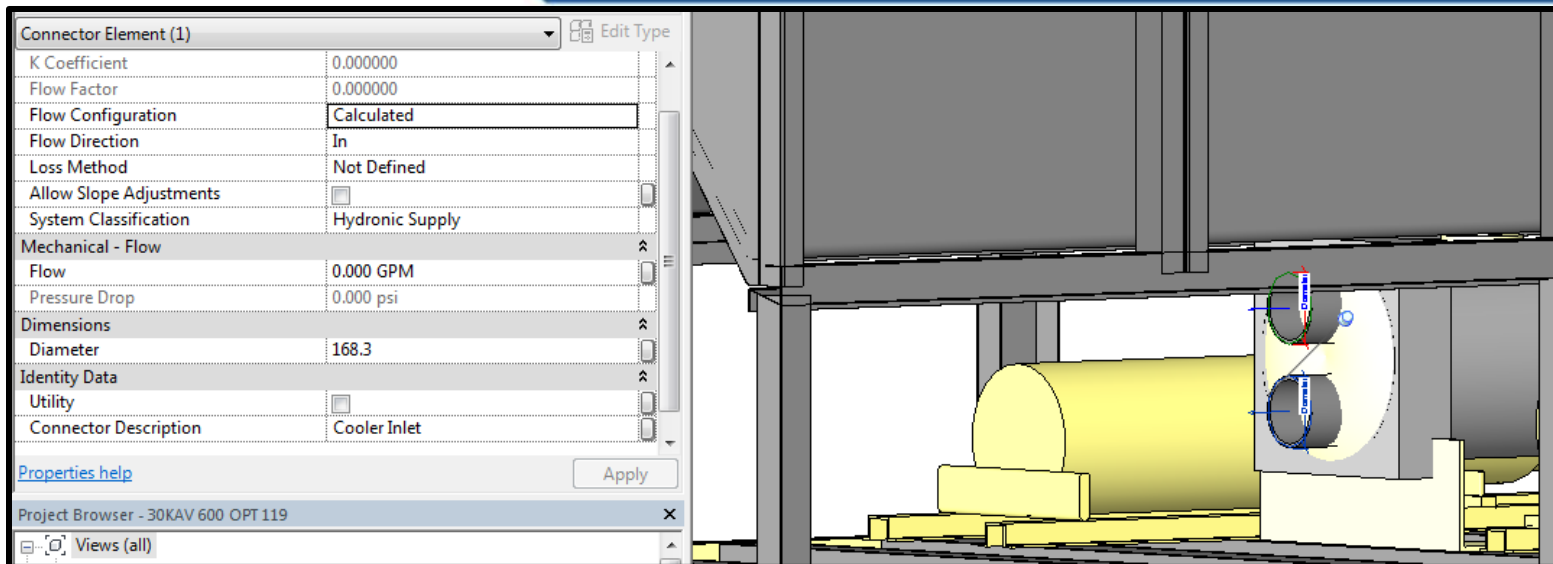
Connectors Used-

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

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

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

Cooler Inlet / Outlet



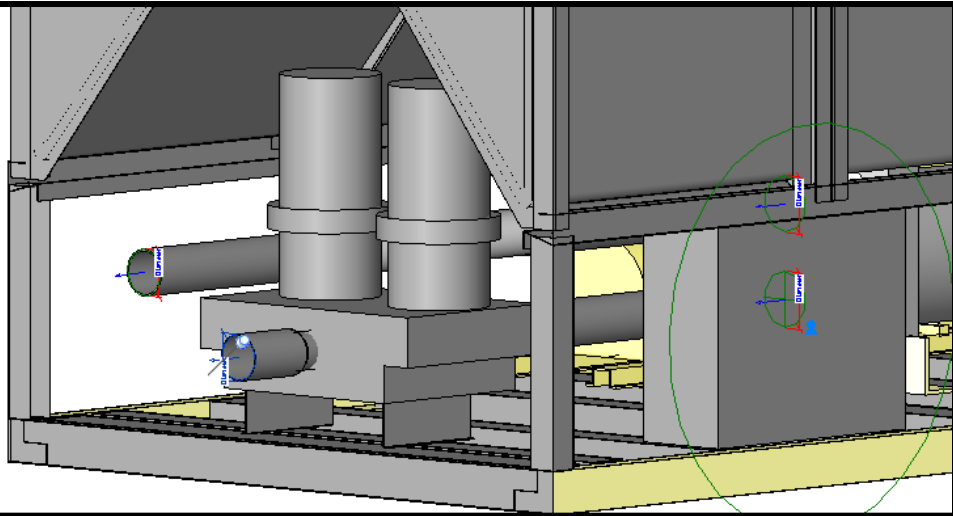
Chiller Inlet / Outlet (Customer Connection)

Connector Element (1) 

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	139.7
Identity Data	
Utility	☐
Connector Description	Chiller Inlet

[Properties help](#) 

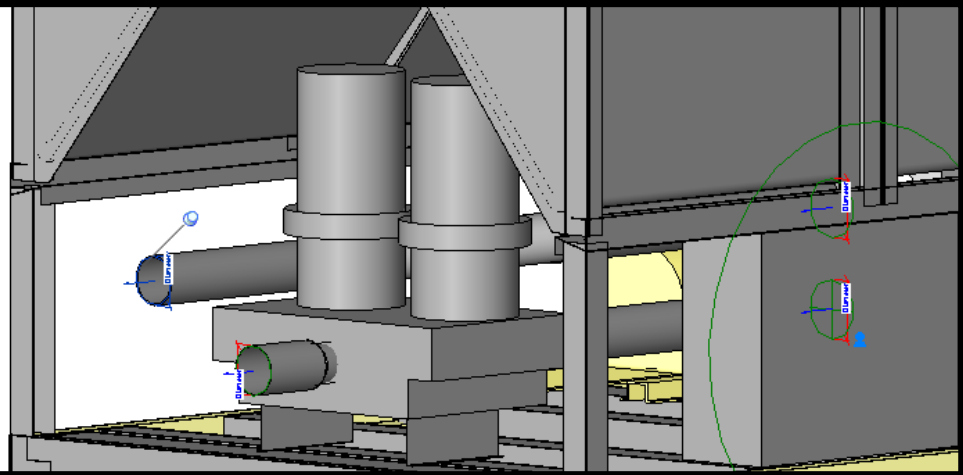
Project Browser - 30KAV800 



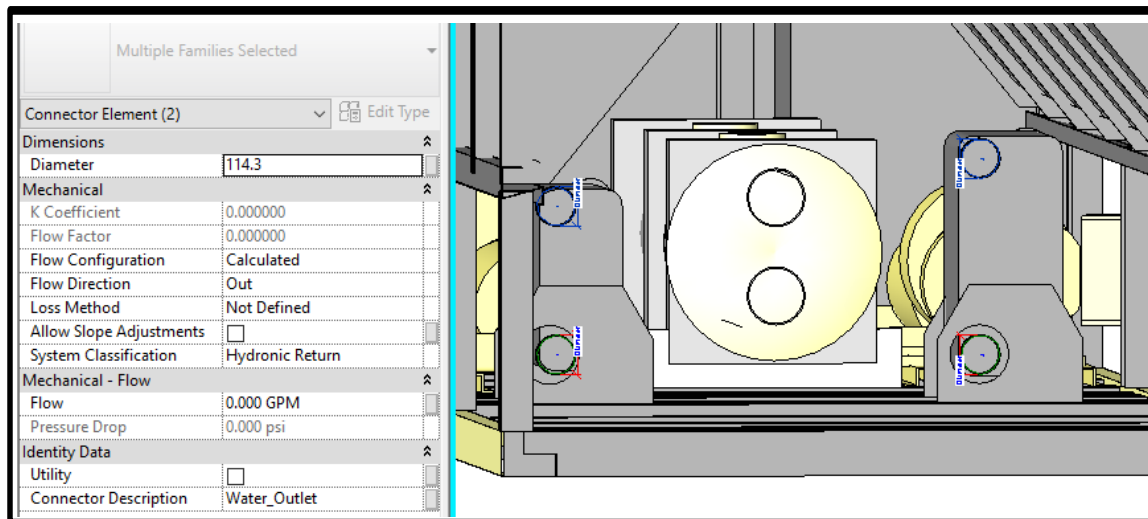
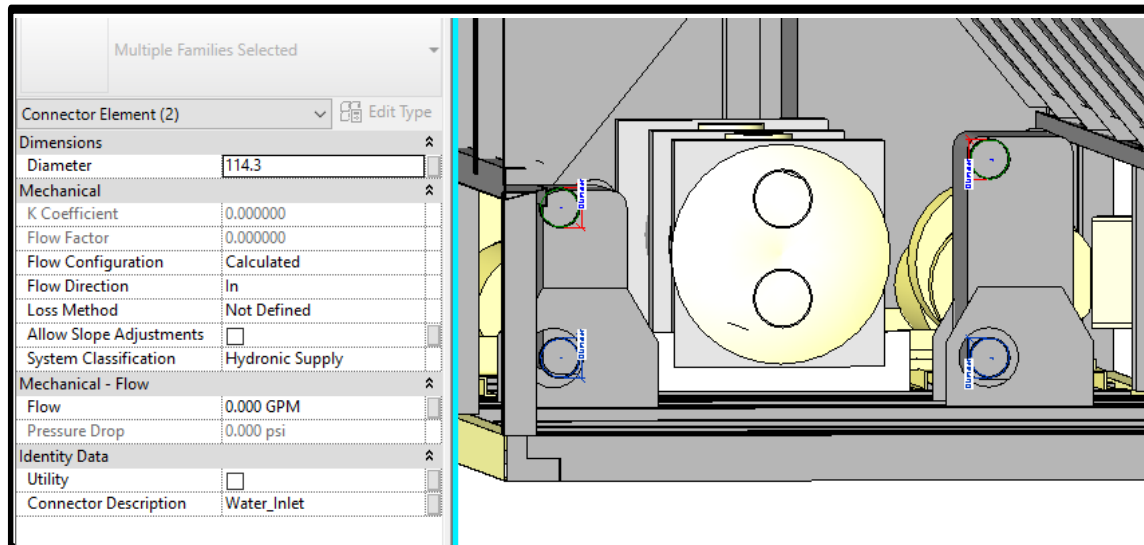
Connector Element (1) 

Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	Out
Loss Method	Not Defined
Allow Slope Adjustments	☐
System Classification	Hydronic Supply
Mechanical - Flow	
Flow	0.000 GPM
Pressure Drop	0.000 psi
Dimensions	
Diameter	139.7
Identity Data	
Utility	☐
Connector Description	Chiller Outlet

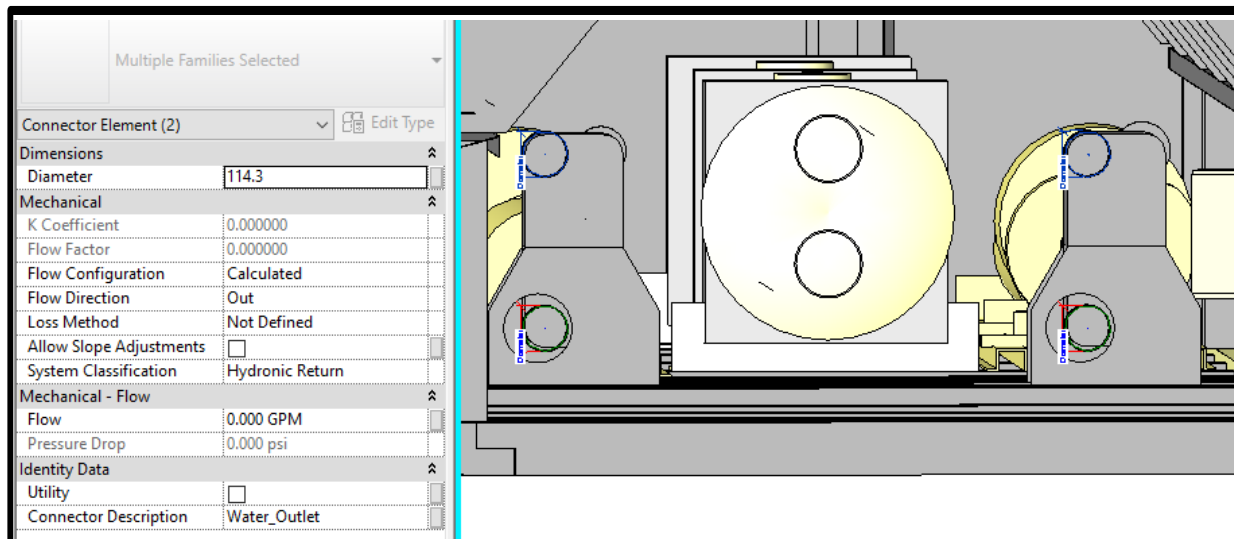
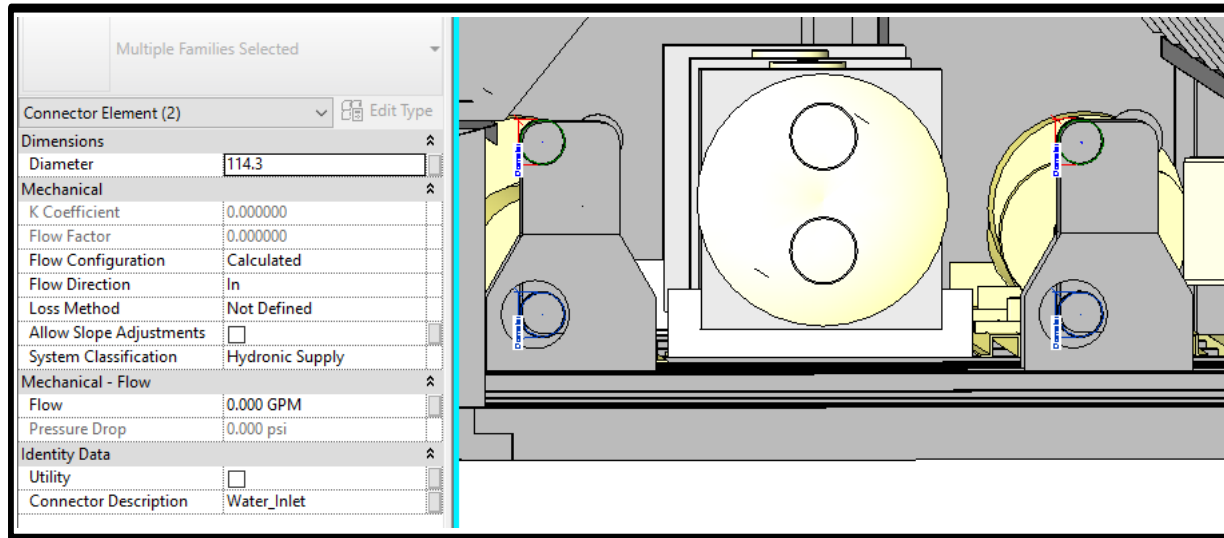
[Properties help](#) 



Total Heat Recovery (Opt50) Inlet / Outlet



Partial Heat Recovery (Opt49) Inlet / Outlet



Total Heat Recovery (Opt50) + Opt325 Inlet / Outlet

R

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 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 168.3

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

R

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 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 168.3

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

Partial Heat Recovery (Opt49) + 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 168.3

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

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 168.3

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

Electrical Box Connection



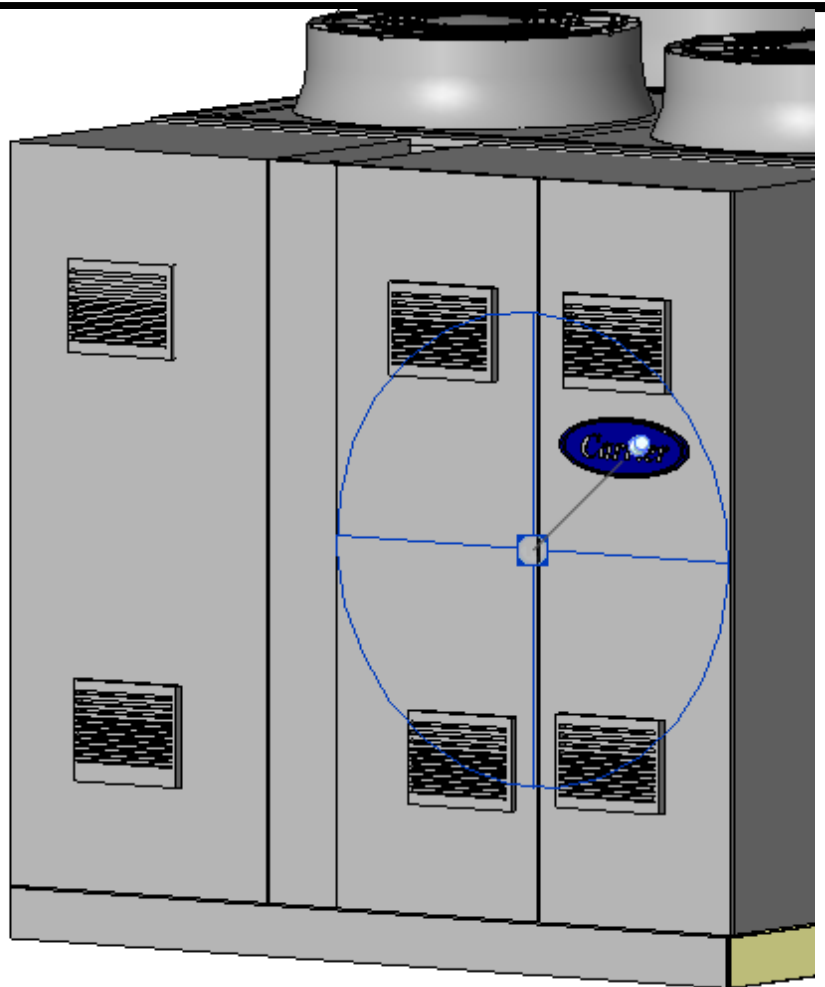
Connector Element (1)  Edit Type

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 800 Op...



Carrier Logo

